

**2014/2015  
Power Tools +  
Accessories**

**metabo<sup>®</sup>**

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**PROFESSIONAL POWER TOOL SOLUTIONS**



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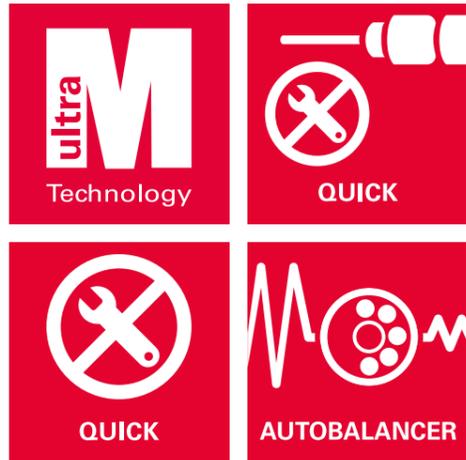
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# Our experience is working for you

## 90 years of experience

Since 1924 we have been working with passion, dynamics, confidence and courage. It all started with our **Metallbohrdreher** (metal drill), our namesake. From the world's first impact drill to our innovative Metabo Ultra-M battery pack technology: Metabo power tools set standards in terms of productivity, robustness, safety and service.



## Systemised innovation

In all Metabo machines there are technologies delivering special features: From the Metabo Ultra-M battery technology to the Autobalancer in angle grinders, or the Metabo Quick System, which allows you a tool free change of change of application and enables you to work quickly and efficiently.

## User proximity

As mid-sized company we can maintain our competitive edge internationally only with close customer proximity. The powerful products developed from this process increase your productivity and inspire enthusiasm.



## Productivity

Our tools feature convincing technical solutions, offering you plenty of benefits. Minimal processing times yield maximum results. This helps you to save valuable time and reduce your costs.



## Safety

The less time lost due to work related illness, the higher your productivity. Our products offer utmost safety and protection for the user - with this we are setting new standards in the market.



## Robustness

Metabo's machines and accessories guarantee best quality, absolute reliability and unparalleled service life - for uncompromising high performance even under harshest conditions.



## Service

From application analysis to individual product and system solutions, fast spare parts and repair service: Your workflow is our commitment.

# Tools, accessories and service - from Nürtingen, Germany

In every Metabo tool there is traditional German engineering ingenuity. Since 1924 we have been developing innovative ideas in our Nürtingen plant and have been implementing them into pioneering tools and perfect accessories for professional users directly on site. Our service, tailor-made to your requirements, also makes us a strong partner for the industrial sector.



Steel parts with hardening plant



Mould construction



Plastic injection moulding



Assembly

Motor production



Mechanical production



Engineering

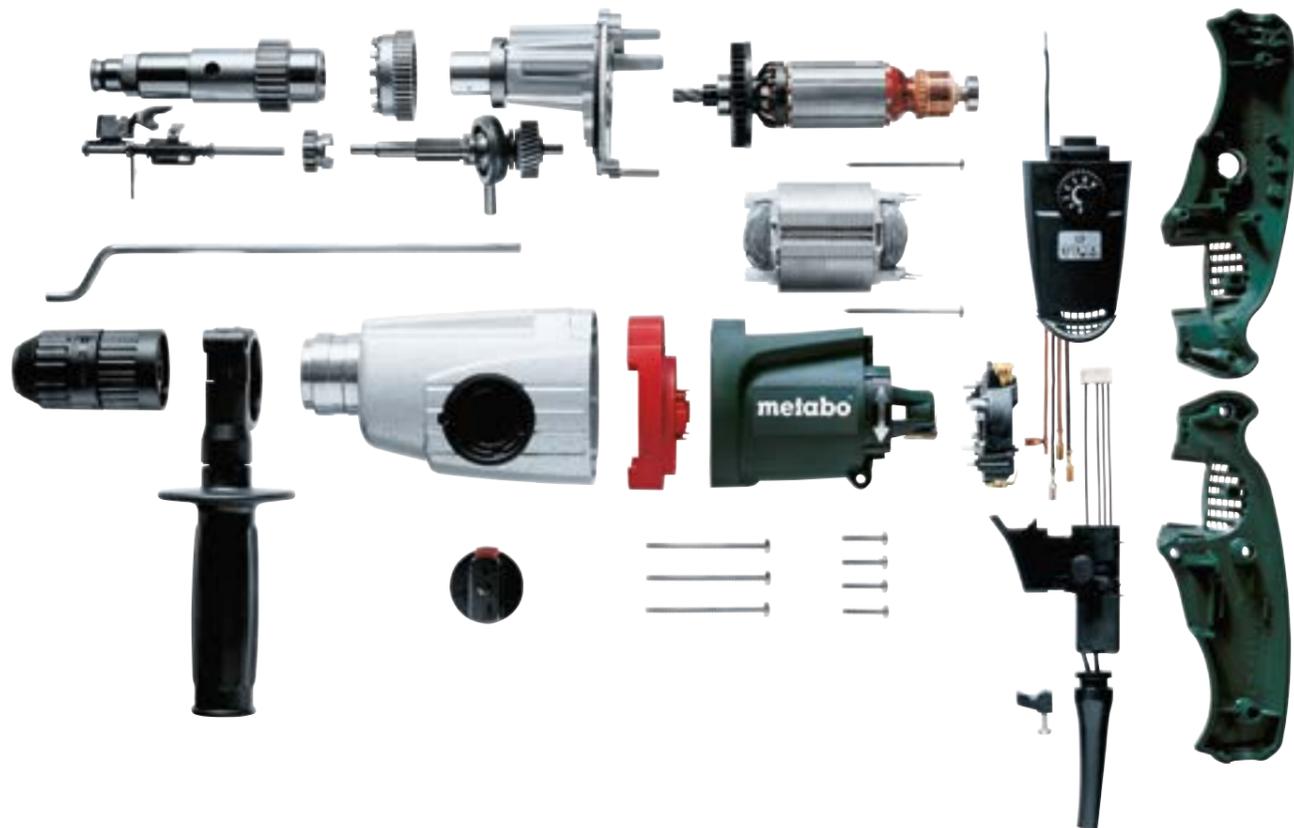


Aluminium foundry



# Fast, professional, economical - Metabo's repair service

Metabo machines and accessories stand for highest quality and reliability. However, should any damage occur, the Metabo repair service will see to a fast solution: Minor downtimes with the fast and powerful Metabo repair service. Thanks to our sophisticated repair logistics, we endeavour to ensure that a machine will be repaired and leave our repair service within max. 24 hours. This means that you will be able to resume your work as soon as possible. When purchasing a Metabo machine, this and other services are included.



## 3 year XXL warranty

If the worst should come to the worst, Metabo customers are on the safe side thanks to the XXL warranty. Simply register your new Metabo online within 4 weeks from the purchase date and get your warranty extended to 3 years.

## 8 year obligation on replacement parts

We also provide safety when it comes to the supply of spare parts: If a Metabo machine is replaced or phased out, we ensure availability of spare parts for 8 more years after production phase out.

## Online service portal [www.metabo-service.com](http://www.metabo-service.com)

At any time, Metabo customers can use our Metabo online service on the Internet at [www.metabo.com](http://www.metabo.com), where they can find all important product information, such as spare parts lists or user manuals.

## Competent product and application advice

If Metabo customers have particular queries about products or applications, competent and experienced staff will be at their disposal in Metabo service to provide personal support for our customers individual requirements.



# Machine and accessories perfectly synchronised for maximum performance

In excess of 90 years experience as manufacturers of high-quality power tools have shown us that good results are heavily dependent on the quality of the accessory used with the machine. All Metabo products are designed without compromises for the toughest of situations. Manufactured and fully monitored in accordance with the toughest of quality standards. Our accessories are thus perfectly matched for use with your Metabo machine - and of course with many other brands.

### Abrasive media for stainless steel

For perfect results when it comes to the processing of stainless steel surfaces. For example, the KLS Metabo combi lamellar disc: simple, fast and safe in just a single work process from the removal of material to the fine grade grinding.



### Abrasive media for fillet welds

Accessories specially adapted to the unique flat-head angle grinders permit optimum grinding results in acute angles. The Metabo convex grinding discs with high-quality ceramic grain and a design that is adapted ideally to weld seams, offer extremely high material removal and a particularly long service life.



### Cutting and Roughing Discs

50 years of experience in generating new ideas. For example, the new M-Calibur grinding discs with special ceramic grit (CER) and special bonding for ultimate removal and high cutting speed with maximum service life in steel and stainless steel.

**Jigsaw and sabre saw blades**  
The ideal saw blade for every situation. For example, the »professional« jigsaw blade for two-sided perfect, tear free and fast cutting results in wood or the "professional premium" sabre saw blades for metal work with high durability and performance.



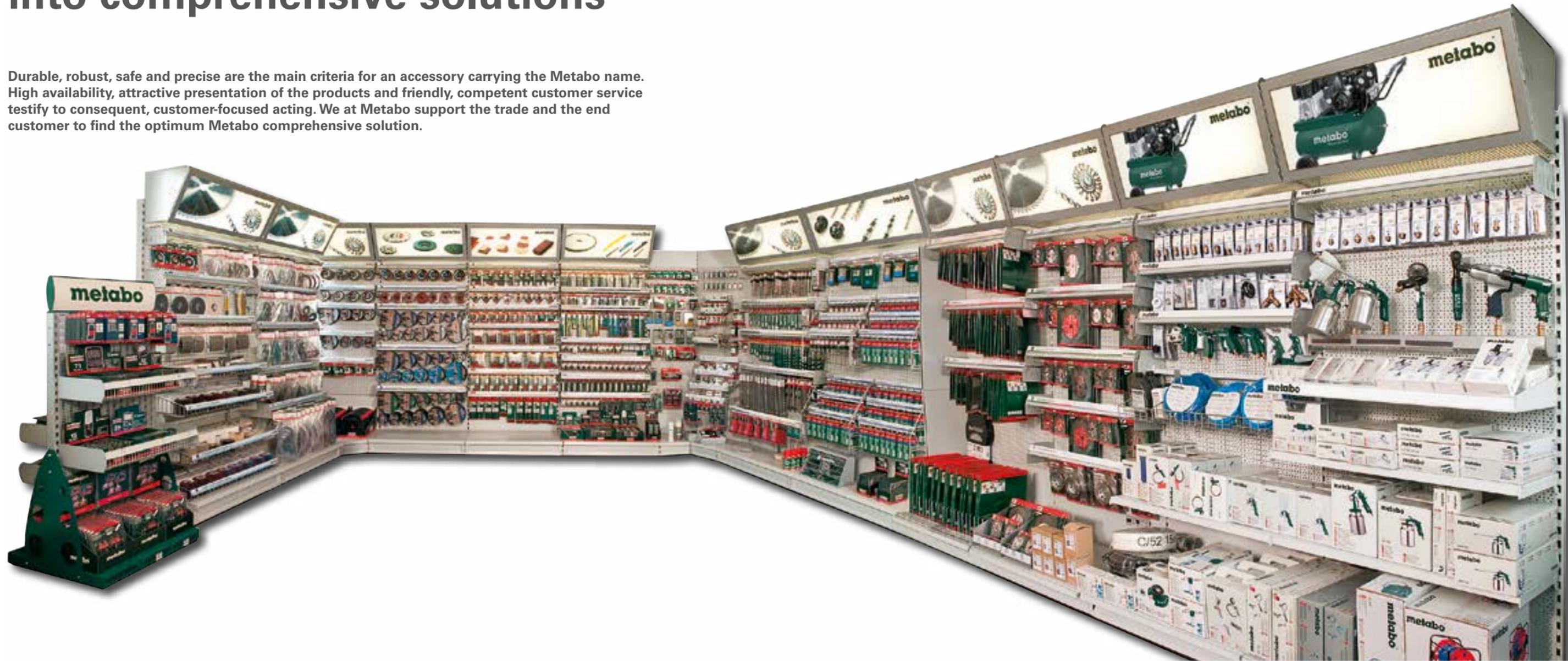
### Drill chuck

Detailed precision for all common drills and any application. For example, the legendary quick-action keyless chuck Futuro Top: Highest precision and long service life also in continuous operation. Particularly fixed support of the drill bit thanks to spring tension safety mechanism.

**Hammer Drill Bits and Chisels**  
Robust, durable and innovative. For example, the SDS plus drill »Pro 4 Premium« (P4P) with the single-piece hard metal plate with 4 x 90° symmetry. It prevents catching on reinforcements and ensures perfectly round drilled holes.

# Metabo accessories turn machines into comprehensive solutions

Durable, robust, safe and precise are the main criteria for an accessory carrying the Metabo name. High availability, attractive presentation of the products and friendly, competent customer service testify to consequent, customer-focused acting. We at Metabo support the trade and the end customer to find the optimum Metabo comprehensive solution.



**More space for sales**  
Optimum utilisation of the sales premises by virtue of suspending the goods at different levels. This permits the presentation of 40% more goods using the same area.



**Quick orientation**  
Targeted information by means of colour coding system: The customer receives targeted information about applications and product benefits using continuous colour coding on info bars and packaging.



**Flexible set-up**  
Metabo's presentation system for accessories optimally adapts itself to any sales area. The shelf elements are available in all common widths and can be set up quickly and easily.



**Professional know-how**  
Targeted and professional advice helps the customer to find optimum solutions. Committed salespersons will be updated during our professional training events.



# M+ System: Machine and accessories perfectly synchronised for maximum performance



## Reliable quality tools for any application

We are the specialist for the metal trade and industry, and the ideal partner when drilling/screwdriving, cutting/grinding and sawing in the building sector.

## The M+ System: Metabo Machine + Metabo Accessories for maximum service life



Even during the development phase at Metabo, machines and accessories are optimally adjusted to one another and tested. Your added benefit: Maximum performance for screwdriving, drilling, grinding, cutting and sawing thanks to Metabo+ System effect.



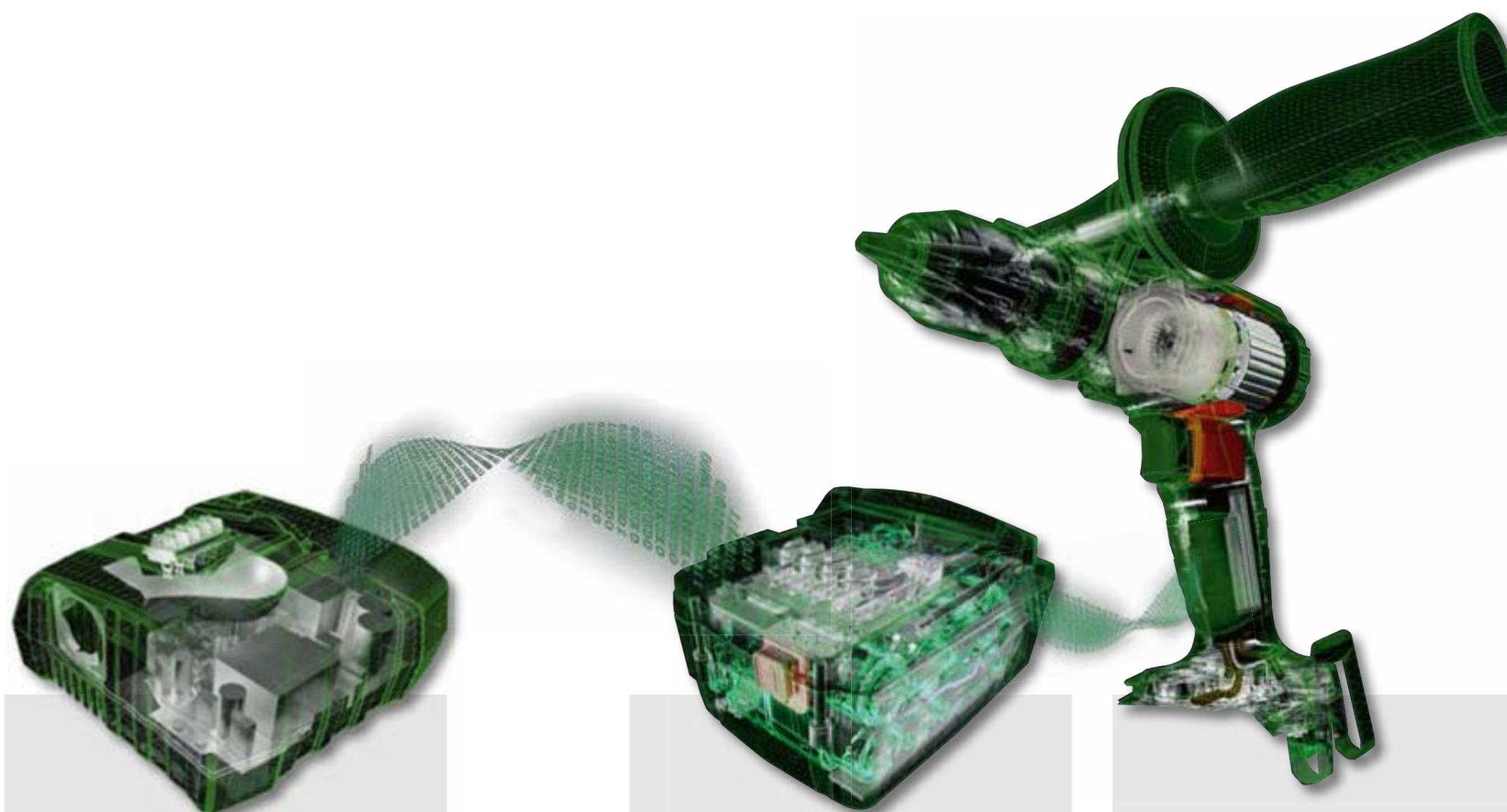
## Cordless Tools



## Increased performance thanks to perfect interfaces: the Metabo Ultra-M technology

The Metabo Ultra-M Technology stands for perfect communication at the interface of machine, battery pack and charger. Your benefits: efficient and gentle charging, optimum energy utilisation and extremely long service life.

- Intelligent battery management – for maximum performance and service life
- Electronic Single Cell Protection (ESCP) – for extremely long battery pack service life.
- Patented AIR COOLED technology – for speedy charging and longer service life
- Investment in a sustainable battery pack system



### ➤ »AIR COOLED« – ready for use again in no time at all

**Quick Charger ASC Ultra**  
The ASC Ultra significantly reduces the charging time of your battery pack. An empty 18V/5.2 Ah battery pack is ready for use again in only 45 minutes with the new charger. Thanks to the patented »AIR COOLED« charging technology, the battery pack in the charger is cooled with air - for shorter charging time and longer service life.

The charger is compatible with all slide-in battery packs from 14.4 Volt to 36 Volt. The charging times depend on the capacity of the battery pack to be charged.

at 3.0 Ah: charging time 27 min  
at 4.0 Ah: charging time 35 min  
at 5.2 Ah: charging time 45 min

### ➤ 75 % greater endurance

Our unique 5.2 Ah battery pack offers 75% greater endurance compared to the 3.0 Ah battery pack. Often this is enough for **more than one days' work!**

### ➤ 3 year battery pack warranty

The unique Metabo Ultra-M technology permits us to grant you a 3-year warranty on the battery pack.



### ➤ With or without carbon brushes: Metabo's powerful motors

Developed taking the Metabo Ultra-M technology as a basis, the robust Metabo motors offer a long service life and incomparable reliability.

- **4-pole motor:** extremely powerful, high overload capacity!
- **Metabo brushless motor:** perfect combination of power and efficiency!

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# The right cordless tool for every application

Metabo offers you a product range of cordless drill/drivers and cordless impact drills that are ideally adapted to every application, from the smallest to the largest drill diameter or from the smallest to the largest screw, and no matter for which material: At Metabo you will always find the optimum tool for your application.

## Which cordless drill/screwdriver for which drilling application?



Cordless Drill/ Screwdriver and Cordless Impact Drill	Power Maxx BS Power Maxx BS Quick	BS 18 Li SB 18 Li	BS 18 LT BS 18 LT Quick SB 18 LT	BS 18 LTX BL Quick SB 18 LTX BL Quick	BS 18 LTX Quick SB 18 LTX Quick BS 18 LTX Impuls SB 18 LTX Impuls
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Wood					
Spiral drill					
up to Ø 10					
Ø 10					
Ø 20					
Ø 30					
Auger bits					
up to Ø 10					
Ø 10					
Ø 20					
Ø 30					
Ø 40					
Ø 50					
Fostner drill bit/multispur machine bit					
up to Ø 10					
Ø 10					
Ø 20					
Ø 30					
Ø 40					
Ø 50					
Ø 68					
Ø 80					
Ø 90					
Ø 105					
Ø 130					
Hole Saws					
up to Ø 10					
Ø 10					
Ø 20					
Ø 30					
Ø 40					
Ø 50					
Ø 68					
Ø 80					
Ø 90					
Ø 105					
Ø 130					
Ø 140					
Ø 210					
Metal					
Ø 5					
Ø 10					
Ø 13					
Concrete / Masonry*					
Ø 5					
Ø 10					
Ø 13					
Ø 16					

\* only with cordless impact drills (SB)

## Which cordless drill/screwdriver/cordless impact drill for which screwdriving application?



Cordless Drill/ Screwdriver and Cordless Impact Drill	Power Maxx BS Power Maxx BS Quick	BS 18 Li SB 18 Li	BS 18 LT BS 18 LT Quick SB 18 LT	BS 18 LTX BL Quick SB 18 LTX BL Quick	BS 18 LTX Quick SB 18 LTX Quick
Full-threaded screws					
Length in mm				+ PowerX3	+ PowerX3
Ø 3 up to 35					
Ø 3.5 up to 40					
Ø 4.5 up to 60					
60					
Ø 5 60					
80					
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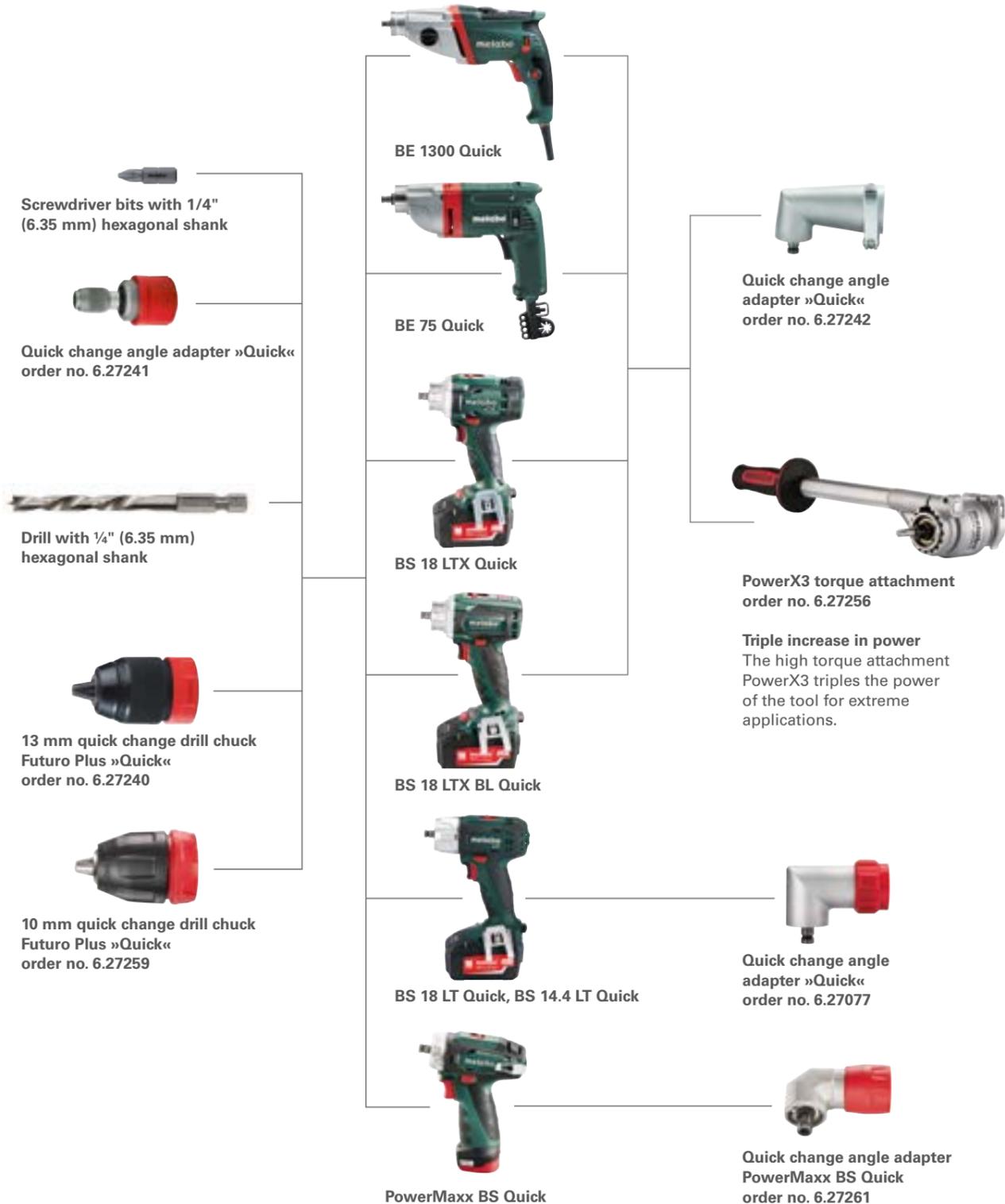
■ optimum application  
 ■ possible application  
 Intermediate sizes of drill bits or screws are not listed.

# The Metabo Quick system: Versatile and Convenient



**Quick and efficient working**  
thanks to a tool free system enabling a quick change from drill chuck to angle attachment or to bit retainer for different applications with the same machine.

**Increase in efficiency with competence accessories**  
thanks to the Metabo »Quick« system and the magnetised female hexagon socket located in the end of the spindle, screwdriver bits and drill bits with a hexagon shaft can be inserted directly into machine without a chuck or bit holder to reduce the overall length and aid drilling/screwdriving in confined spaces.



# Systems with a future: Metabo's 10.8 V battery pack family



# 10.8V

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10.8 V



NEW



NEW



Technical Data	Cordless Drill / Screwdriver PowerMaxx BS	Cordless Drill / Screwdriver PowerMaxx BS Quick
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	10.8 V	10.8 V
Max. torque, soft	17 Nm	17 Nm
Max. torque, hard	34 Nm	34 Nm
Adjustable torque	0.5 - 5 Nm	0.5 - 5 Nm
Drill diameter in		
- Steel	10 mm	10 mm
- Wood	22 mm	22 mm
No-load speeds	0 - 360 / 0 - 1,400 /min	0 - 360 / 0 - 1,400 /min
Drill spindle thread	1/2 " - 20 UNF	1/2 " - 20 UNF
Chuck capacity	1 - 10 mm	1 - 10 mm
Weight (with battery pack)	0.8 kg	0.8 kg

Scope of delivery

Order no.	6.00079	6.00080	6.00156	6.00157
Quick-action keyless chuck	■	■		
Quick-change drill chuck			■	■
Quick change offset screw attachment				■
Belt hooks	■	■	■	■
Li-Power Battery Pack (10.8 V/2.0 Ah)	■			■
2 Li-Power Battery Packs (10.8 V/2.0 Ah)		■	■	
Li-Power Battery Pack (10.8 V/4.0Ah)				■
Charger LC 40	■	■	■	■
Tool bag	■			
Plastic carry case		■	■	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- With screw-type angle attachment for drilling and fixing screws in hard to reach areas
- Light compact drill/screwdriver in extremely compact design for versatile use
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Integrated working light to illuminate the work site
- Practical battery capacity display for checking the charge status

System components

69, 224, 285 → Accessories

66 → Battery packs

10.8 V



Technical Data	Cordless Impact Driver PowerMaxx SSD
Battery pack type	Li-Ion
Battery voltage	10.8 V
Speed/torque levels	1
No-load speed	0 - 2,300 /min
Max. impact rate	3,000 /min
Max. torque	105 Nm
Bit retainer	Hexagon recess 1/4" (6.35 mm)
Weight (with battery pack)	1 kg

**Scope of delivery**

Order no.	6.00093
2 Li-Power Battery Packs (10.8 V/2.0 Ah)	■
Charger LC 40	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Compact cordless impact driver for tough applications
- High torque machine with low kick-back torque
- Integrated work light for illumination of the work area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability

System Components

297 → Accessories

66 → Battery packs



Technical Data	Cordless Sabre Saw PowerMaxx ASE
Battery pack type	Li-Ion
Battery pack voltage	10.8 V
Strokes at no load	0 - 3,100 /min
Saw blade stroke	13 mm
Weight (with battery pack)	1.5 kg

**Scope of delivery**

Order no.	6.02264
Jigsaw blade for metal	■
Sabre saw blade for wood and metal	■
2 Li-Power Battery Packs (10.8 V/4.0 Ah)	■
Charger LC 40	■
MetaLoc case	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- To saw wood, plastics, metal pipes and profiles and much more.
- Light, extremely handy saw for operation with one hand or both hands
- Especially suitable for working in places that are difficult to reach
- Vario (V)-electronics for working with customised strokes for the materials used
- Metabo »Quick« for changing saw blades without tools
- Extended range of application thanks to unique quick retainer for sabre saw blades and jigsaw blades
- Depth guide can be adjusted without tools for the ideal utilisation of all the saw blade and diverse applications such as plunge cuts
- Integrated LED work light for optimum illumination of the cutting line
- Practical capacity display for checking the charge status

System Components

359, 373 → Accessories

66 → Battery packs

01

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14

10.8 V



Technical Data	Cordless Cartridge Gun KPA 10.8 600	Cordless Cartridge Gun KPA 10.8 400
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	10.8 V	10.8 V
Discharge pressure	4,413 N/450 kg	4,413 N/450 kg
Holder size	600 ml	400 ml
Feed rate in idle	3 - 10 mm/s	3 - 10 mm/s
Suitable for	Cartridges, foil bags	Cartridges
Weight (with battery pack)	2.7 kg	2.7 kg

Scope of delivery	6.02117.60	6.02117.61
Order no.		
600 ml tube	■	
400 ml tube		■
Push plate for foil bag	■	■
Push plate for cartridges	■	■
Li-Power Battery Pack (10.8 V/4.0Ah)	■	■
Charger LC 40	■	■

Equipment variants can be found in the Metabo price list and on the internet

- Product Advantages**
- For using cartridges and foil bags
  - Quick, easy change between foil bags and cartridges
  - High discharge force for easy processing of all materials - even particularly viscous ones.
  - Infinitely variable setting of the discharge speed for precision working
  - No dripping thanks to automatic retraction of the gear rack
  - All-metal gear for long service life

**System Components**

- 70 → Accessories
- 66 → Battery packs

10.8 V



Technical Data	Cordless Portable Lamp PowerMaxx LED	Cordless Portable Lamp PowerMaxx ULA LED	Cordless Inspection Lamp PowerMaxx SLA LED
Max. operation time per battery charge	10.8 V / 2.0 Ah: 14.6 h 10.8 V / 4.0 Ah: 29.2 h 10.8 V / 5.2 Ah: 38.0 h	10.8 V / 2.0 Ah: 9.5 h 10.8 V / 4.0 Ah: 19 h 10.8 V / 5.2 Ah: 24.7 h	10.8 V / 2.0 Ah: 3.8 h 10.8 V / 4.0 Ah: 7.6 h 10.8 V / 5.2 Ah: 9.9 h
Weight (without battery pack)	0.1 kg	0.32 kg	0.42 kg
<b>Scope of delivery</b>			
Order no.	6.00036	6.00367	6.00369
without battery, without charger	■	■	■

- Product Advantages**
- Extremely long-lasting illumination of up to 38 hours per battery charge
  - Very good illumination thanks to the high-performance Power-LED
  - Powerful LED portable lamp for uniform, bright illumination of the working area
  - Lamp head can be tilted and locked in 12 positions
  - Robust aluminium die-cast housing for use on construction sites.
  - Swivelling hook for suspending the lamp
  - Powerful LED inspection lamp for uniform, bright illumination of the working area
  - Lamp head can be turned and swivelled by 180° for almost infinite positions of the lamp
  - Robust aluminium die-cast housing for use on construction sites.
  - Swivelling hook for suspending the lamp



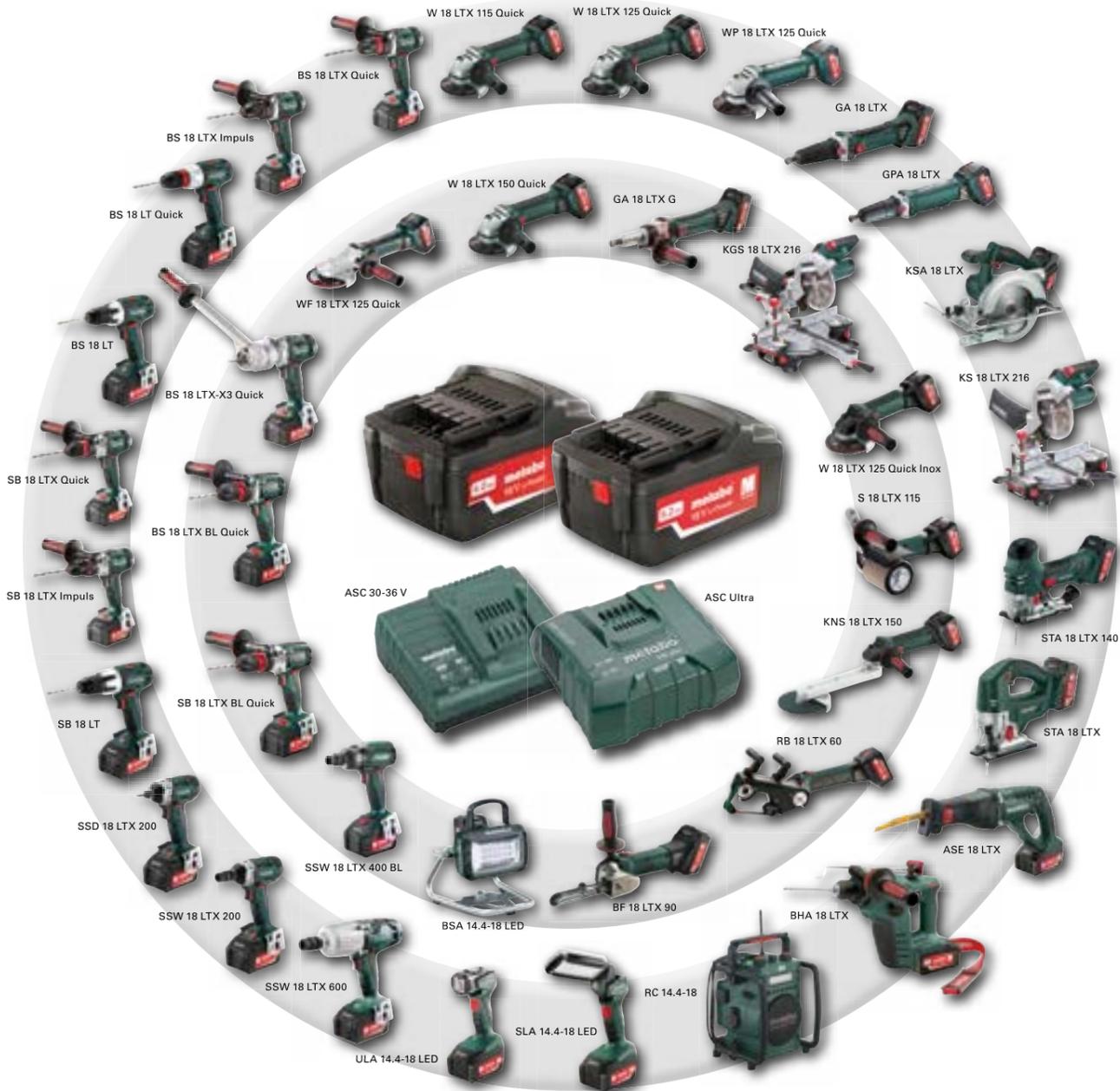
Technical Data	Cordless Worksite Radio PowerMaxx RC
Max. runtime per battery charge	10.8 V / 2.0 Ah: 10.6 h    10.8 V / 4.0 Ah: 21.2 h    10.8 V / 5.2 Ah: 27.6 h
Weight (without battery pack)	2.2 kg
<b>Scope of delivery</b>	
Order no.	6.02113
AUX connection cable	■
Mains cable	■
2 batteries (AAA) for time and station memory	■
without battery pack	■

- Product Advantages**
- Charger function for charging all Metabo Li-Power 10.8 V battery packs
  - Battery pack operation up to 27.6 h
  - Robust plastic housing: splashproof, dustproof, shockproof
  - Digital DSP tuner with illuminated LCD display and automatic station search
  - Powerful loudspeakers
  - AUX input for CD or MP3 player (e.g. iPod®, etc.)
  - Safe storage of MP3 players

**System Components**

- 66 → Battery packs

# Systems with a future: Metabo's 18 V battery pack family



# 18V

**With Metabo you are always on the right track:**  
With Metabo you are investing in systems with a future. All our 18v battery pack generations can be combined with each other. For example, the first battery packs, machines and chargers from 2009 are compatible with the current Metabo developments and will be so also in the future.

# Pick+Mix: Your individual freedom

Metabo Pick+Mix stands for unlimited combination possibilities in the 18 Volt class: Choose exactly what you want - and save money!

## Limitless variety

**More is hardly possible:** With Pick+Mix select from numerous machines, battery packs and chargers, plenty of accessories, cases and bags! **You will find the right solution for almost all applications.**

**Machines, battery packs + chargers, accessories, cases + bags**

## Unlimited safety: 3-year warranty

**Definitely care-free:** The unique Metabo Ultra-M technology permits us to grant you a **3-year warranty on the battery pack.**



**Today and in the future:** Thanks to the Metabo Ultra-M technology, our battery packs are compatible with all Metabo machines and chargers of the same voltage class.

## Limitless compatibility

**Save money:** Get just the machines, battery packs, chargers and transport solutions that you need! **No more, no less.**

## Limitless combinations

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# Cordless Drills/Screwdrivers and Impact Screwdrivers: The New Reference in the Top Class

Brushed, brushless, fast, powerful and precise or ultimately strong: With our top class compact and lightweight cordless drills/screwdrivers and impact drills we offer you mobile solutions for demanding applications. While the powerful LTX machines convince with highest torque even for the most intense screwdriving jobs, we have equipped some models with brushless motors and all with numerous intelligent functions. The result: Maximum efficiency, exceptional precision and increased working comfort across the entire range of applications.



**Metabo Quick-System**  
for versatile use

**Three-level all metal gear**  
extends the service life of the machine by an enormous degree.

**Die-cast aluminium gear housing**  
Increases the service life of the machine. The machine is more robust and dissipates generated heat faster.

**Metabo motor competence**  
Innovative, powerful Metabo brushless motor for quick work progress and highest efficiency.

**High-performance impact mechanism**  
for best working results



**Metabo »Impuls«**  
for the simple removal of tight-fitting or damaged screws and pilot drilling of materials such as ceramics.



SB 18 LTX BL Quick

14.4 V  
18 V



## Technical Data

	Cordless Drill / Screwdriver BS 14.4 Li	Cordless Drill / Screwdriver BS 18 Li
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	14.4 V	18 V
Max. torque, soft	20 Nm	24 Nm
Max. torque, hard	40 Nm	48 Nm
Adjustable torque	0.8 - 5 Nm	0.8 - 5 Nm
Drill diameter in		
- Steel	10 mm	10 mm
- Wood	20 mm	20 mm
No-load speeds	0 - 450 / 0 - 1,600 /min	0 - 450 / 0 - 1,650 /min
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF
Chuck capacity	1 - 10 mm	1 - 10 mm
Weight (with battery pack)	1.4 kg	1.5 kg

## Scope of delivery

Order no.	6.02105	6.02116
Quick-action keyless chuck	■	■
2 Li-Power Battery Packs (14.4 V/2.0 Ah)	■	
2 Li-Power Battery Packs (18 V/2.0 Ah)		■
Charger SC 60 Plus	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet

## Product Advantages

- Integrated working light to illuminate the work site
- Battery packs with capacity display for checking the charge status



**Intelligent brushless motors thanks to Ultra-M technology**  
Optimum energy utilisation by virtue of Metabo Ultra-M technology



**Precision Stop: Torque clutch for more precision**  
The torque setting 1-4 ensures that apart from the power also the speed is automatically adapted, permitting precise working particularly for small screws with Ø 3 to 8 mm.



**Faster working for changing applications**  
At the touch of a button you can switch between maximum power, impulse mode and preset torque.

## System Components

224, 285 → Accessories

66 → Battery packs

14.4 V  
18 V



Technical Data	Cordless Drill / Screwdriver BS 14.4 LT	Cordless Drill / Screwdriver BS 14.4 LT Quick	Cordless Drill / Screwdriver BS 18 LT	Cordless Drill / Screwdriver BS 18 LT Quick
Battery pack type	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Battery pack voltage	14.4 V	14.4 V	18 V	18 V
Max. torque, soft	27 Nm	27 Nm	34 Nm	34 Nm
Max. torque, hard	50 Nm	50 Nm	60 Nm	60 Nm
Adjustable torque	0.7 - 8 Nm	0.7 - 8 Nm	0.7 - 8 Nm	0.7 - 8 Nm
Drill diameter in				
- Steel	13 mm	13 mm	13 mm	13 mm
- Wood	35 mm	35 mm	38 mm	38 mm
No-load speeds	0 - 400 / 0 - 1,450 /min	0 - 400 / 0 - 1,450 /min	0 - 450 / 0 - 1,600 /min	0 - 450 / 0 - 1,600 /min
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Weight (with battery pack)	1.7 kg	1.8 kg	1.8 kg	1.9 kg

Scope of delivery

Order no.	6.02100	6.02101	6.02102 <sup>1)</sup>	6.02104
Quick-action keyless chuck	■		■	
Quick-change drill chuck		■		■
Quick change system		■		■
Belt hook with bit case	■		■	■
2 Li-Power Battery Packs (14.4 V/4.0 Ah)	■	■		
2 Li-Power Battery Packs (18 V/4.0 Ah)			■	■
»AIR COOLED« Charger ASC 30-36 V	■	■	■	■
Plastic carry case	■	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Extremely powerful thanks to powerful Metabo 4-pole motor for quick drilling and screwdriving
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Integrated working light to illuminate the work site
- Battery packs with capacity display for checking the charge status

System Components

69, 224, 285 → Accessories

66 → Battery packs

18 V



Technical Data	Cordless Drill / Screwdriver BS 18 LTX Impuls	Cordless Drill / Screwdriver BS 18 LTX Quick
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
Max. torque, soft	55 Nm	55 Nm
Impulse torque	60 Nm	60 Nm
Max. torque, hard	110 Nm	110 Nm
Adjustable torque	1.5 - 25 Nm	1.5 - 24 Nm
Drill diameter in		
- Steel	13 mm	13 mm
- Wood	65 mm	65 mm
No-load speeds	0 - 500 / 0 - 1,700 /min	0 - 500 / 0 - 1,700 /min
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Weight (with battery pack)	2 kg	2 kg

Scope of delivery

Order no.	6.02191 <sup>1)</sup>	6.02193
Futuro Plus quick-action keyless chuck with metal sleeve	■	
Quick-change drill chuck		■
Quick change system		■
Side handle	■	■
Belt hook with bit case	■	■
2 Li-Power Battery Packs (18 V/4.0 Ah)	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)		■
»AIR COOLED« Charger ASC 30-36 V	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Selectable "impuls" mode for removal of damaged screws and spot-drilling on smooth surfaces
- Extremely powerful thanks to powerful Metabo 4-pole motor for quick drilling and screwdriving
- Overload protection: protects the motor from overheating
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the work site
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

System Components

69, 224, 285 → Accessories

66 → Battery packs

18 V



## Technical Data

Cordless Drill / Screwdriver  
BS 18 LTX-X3 Quick

Battery pack type	Li-Ion
Battery pack voltage	18 V
Max. torque, soft	55 Nm
Impulse torque	60 Nm
Max. torque, hard	110 Nm
Adjustable torque	1.5 - 24 Nm
Drill diameter in	
- Steel	13 mm
- Wood	65 mm
No-load speeds	0 - 500 / 0 - 1,700 /min
Drill spindle thread	1/2" - 20 UNF
Chuck capacity	1.5 - 13 mm
Weight (with battery pack)	2 kg

## Scope of delivery

Order no.	6.02201
PowerX3 high torque attachment with long handle	■
Quick-change drill chuck	■
1 bit (TX 50)	■
Quick change system	■
Side handle	■
Belt hook with bit case	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

## Product Advantages

- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Selectable "impuls" mode for removal of damaged screws and spot-drilling on smooth surfaces
- The high torque attachment PowerX3 triples the power of the tool for extreme applications
- Extremely powerful thanks to powerful Metabo 4-pole motor for quick drilling and screwdriving
- Overload protection: protects the motor from overheating
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the work site
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

## System Components

69, 224, 285 → Accessories

66 → Battery packs

18 V



## Technical Data

Cordless Drill / Screwdriver  
BS 18 LTX BL Quick

Battery pack type	Li-Ion
Battery pack voltage	18 V
Max. torque, soft	44 Nm
Impulse torque	49 Nm
Max. torque, hard	90 Nm
Adjustable torque	0.8 - 20 Nm
Drill diameter in	
- Steel	13 mm
- Wood	50 mm
No-load speeds	0 - 600 / 0 - 2,050 /min
Drill spindle thread	1/2" - 20 UNF
Chuck capacity	1.5 - 13 mm
Weight (with battery pack)	1.9 kg

## Scope of delivery

Order no.	6.02197 <sup>1)</sup>
Quick-change drill chuck	■
Quick change system	■
Side handle	■
Belt hook with bit case	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

## Product Advantages

- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Selectable "impuls" mode for removal of damaged screws and spot-drilling on smooth surfaces
- Unique Metabo brushless motor for quick work progress and highest efficiency when drilling and screwdriving
- Precision Stop: Electronic torque coupling with increased precision for precise, delicate working
- Overload protection: protects the motor from overheating
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the work site
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

## System Components

69, 224, 285 → Accessories

66 → Battery packs

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18 V



Technical Data	Cordless Impact Drill SB 18 Li
Battery pack type	Li-Ion
Battery pack voltage	18 V
Max. torque, soft	24 Nm
Max. torque, hard	48 Nm
Adjustable torque	1.2 - 6.5 Nm
Drill diameter in	
- Concrete	10 mm
- Steel	10 mm
- Wood	20 mm
No-load speed	0 - 450 / 0 - 1,600 /min
Max. impact rate	25,800 /min
Drill spindle thread	1/2 " - 20 UNF
Chuck capacity	1.5 - 13 mm
Weight (with battery pack)	1.8 kg

**Scope of delivery**

Order no.	6.02190
Quick-action keyless chuck	■
2 Li-Power Battery Packs (18 V/2.0 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

**Product Advantages**

- High-performance impact mechanism for the best results
- Integrated working light to illuminate the work site
- Battery packs with capacity display for checking the charge status

**System Components**

224, 285 → Accessories | 66 → Battery packs



Technical Data	Cordless Impact Drill SB 18 LT
Battery pack type	Li-Ion
Battery pack voltage	18 V
Max. torque, soft	34 Nm
Max. torque, hard	60 Nm
Adjustable torque	0.7 - 8 Nm
Drill diameter in	
- Concrete	13 mm
- Steel	13 mm
- Wood	38 mm
No-load speed	0 - 450 / 0 - 1,600 /min
Max. impact rate	27,200 /min
Drill spindle thread	1/2 " - 20 UNF
Chuck capacity	1.5 - 13 mm
Weight (with battery pack)	1.9 kg

**Scope of delivery**

Order no.	6.02103 <sup>1)</sup>
Quick-action keyless chuck	■
Belt hook with bit case	■
2 Li-Power Battery Packs (18 V/4.0 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Extremely powerful thanks to powerful Metabo 4-pole motor for quick drilling and screwdriving
- High-performance impact mechanism for the best results
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Integrated working light to illuminate the work site
- Battery packs with capacity display for checking the charge status

**System Components**

69, 224, 285 → Accessories | 66 → Battery packs

18 V



Technical Data	Cordless Impact Drill SB 18 LTX Impuls
Battery pack type	Li-Ion
Battery pack voltage	18 V
Max. torque, soft	55 Nm
Impulse torque	60 Nm
Max. torque, hard	110 Nm
Adjustable torque	1.5 - 24 Nm
Drill diameter in	
- Concrete	16 mm
- Steel	13 mm
- Wood	65 mm
No-load speed	0 - 500 / 0 - 1,700 /min
Max. impact rate	32,300 /min
Drill spindle thread	1/2 " - 20 UNF
Chuck capacity	1.5 - 13 mm
Weight (with battery pack)	2.1 kg

**Scope of delivery**

Order no.	6.02192 <sup>1)</sup>	6.02200
Quick-change drill chuck		■
Futuro Plus quick-action keyless chuck with metal sleeve	■	
Quick change system		■
Side handle	■	■
Belt hook with bit case	■	■
2 Li-Power Battery Packs (18 V/4.0 Ah)	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)		■
»AIR COOLED« Charger ASC 30-36 V	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Selectable "impuls" mode for removal of damaged screws and spot-drilling on smooth surfaces
- Extremely powerful thanks to powerful Metabo 4-pole motor for quick drilling and screwdriving
- High-performance impact mechanism for the best results
- Overload protection: protects the motor from overheating
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the work site
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

**System Components**

69, 224, 285 → Accessories | 66 → Battery packs

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18 V



**Technical Data**

**Cordless Impact Drill SB 18 LTX BL Quick**

Battery pack type	Li-Ion
Battery pack voltage	18 V
Max. torque, soft	44 Nm
Impulse torque	49 Nm
Max. torque, hard	90 Nm
Adjustable torque	0.8 - 20 Nm
Drill diameter in	
- Concrete	16 mm
- Steel	13 mm
- Wood	50 mm
No-load speed	0 - 600 / 0 - 2,050 /min
Max. impact rate	38,950 /min
Drill spindle thread	1/2" - 20 UNF
Chuck capacity	1.5 - 13 mm
Weight (with battery pack)	2 kg

**Scope of delivery**

Order no.	6.02199 <sup>1)</sup>
Quick-change drill chuck	■
Quick change system	■
Side handle	■
Belt hook with bit case	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Selectable "impuls" mode for removal of damaged screws and spot-drilling on smooth surfaces
- Unique Metabo brushless motor for quick work progress and highest efficiency when drilling and screwdriving
- Precision Stop: Electronic torque coupling with increased precision for precise, delicate working
- High-performance impact mechanism for the best results
- Overload protection: protects the motor from overheating
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the work site
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

**System Components**

69, 224, 285 → Accessories

66 → Battery packs

# Cordless Impact Driver & Wrenches: Compact tools, great performance

As compact as a small one, as powerful as a big one: With the new cordless impact wrench SSW 18 LTX 400 BL we are offering you a completely new performance class of cordless impact screwdrivers. The tool does not only cover the complete performance range of medium-sized impact drills with its excellent efficiency and the twelve-level speed and torque selection, but it can also be used for many jobs that required a much heavier tool up to now. The brushless motor guarantees a particularly quick work progress with maximum efficiency.

Unique Metabo brushless motor for quick work progress and highest efficiency for any application

High torque accompanied by a particularly compact design

Integrated work light for illumination of the work area

Twelve speed/torque levels for a wide range of applications

Extremely high torque machine with low kick-back torque

With handy belt hook, can be fixed either on the right or left side



SSW 18 LTX 400 BL



For working with screwdriver bits you can use the adapter 6.28836 (accessories).



For powerful screwdriving with high torque and low reverse torque at the same time



Metabo Impact Screwdriver Accessories for demanding applications. For example, the Metabo Impact Bits have a 70% higher service life.

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18 V



**Technical Data**

**Cordless Impact Driver  
SSD 18 LTX 200**

**Cordless Impact Wrench  
SSW 18 LTX 200**

Battery pack type	Li-Ion	Li-Ion
Battery voltage	18 V	18 V
Speed/torque levels	3	3
No-load speed	0 - 2,500 /min	0 - 2,300 /min
Idling speed level 1	0 - 1,000 /min	0 - 900 /min
Max. impact rate	3,300 /min	3,000 /min
Maximum impact rate stage 1	2,100 /min	1,900 /min
Max. torque	150 Nm	210 Nm
Max. torque level 1	75 Nm	100 Nm
Bit retainer	Hexagon recess 1/4" (6.35 mm)	Male square 1/2" (12.70 mm)
Weight (with battery pack)	1.6 kg	1.6 kg

**Scope of delivery**

Order no.	6.02196 <sup>1)</sup>	6.02195 <sup>1)</sup>
Belt hook with bit case	■	■
2 Li-Power Battery Packs (18 V/4.0 Ah)	■	■
»AIR COOLED« Charger ASC 30-36 V	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Compact cordless impact machines for tough applications
- High torque with low kick-back torque
- Three speed/torque levels for varied ranges of applications
- Integrated work light for illumination of the work area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

**System Components**

297 → Accessories | 66 → Battery packs

18 V



NEW



NEW

**Technical Data**

**Cordless Impact Wrench  
SSW 18 LTX 400 BL**

**Cordless Impact Wrench  
SSW 18 LTX 600**

Battery pack type	Li-Ion	Li-Ion
Battery voltage	18 V	18 V
Speed/torque levels	12	1
No-load speed	0 - 2,150 /min	0 - 1,600 /min
Idling speed level 1	0 - 590 /min	-
Max. impact rate	4,250 /min	2,200 /min
Maximum impact rate stage 1	1,200 /min	-
Max. torque	400 Nm	600 Nm
Max. torque level 1	130 Nm	-
Bit retainer	Male square 1/2" (12.70 mm)	Male square 1/2" (12.70 mm)
Weight (with battery pack)	1.9 kg	3.1 kg

**Scope of delivery**

Order no.	6.02205 <sup>1)</sup>	6.02198 <sup>1)</sup>
Belt hooks	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	■
»AIR COOLED« Charger ASC 30-36 V	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Unique Metabo brushless motor for quick work progress and highest efficiency for any application
- Overload protection: protects the motor from overheating
- High torque accompanied by a particularly compact design
- Twelve speed/torque levels for a wide range of applications
- Extremely powerful for demanding applications
- High torque machine with low kick-back torque
- Integrated work light for illumination of the work area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

**System Components**

297 → Accessories | 66 → Battery packs

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18 V



Technical Data		Cordless Rotary Drill BHA 18 LTX
Battery pack type		Li-Ion
Battery pack voltage		18 V
Drill diameter in		
- Concrete with hammer drills		18 mm
- Masonry with core bits		-
- Steel		10 mm
- Soft wood		22 mm
No-load speed		0 - 1,100 /min
Max. impact rate		4,900 /min
Max. single blow energy (EPTA)		1.8 J
Impact power		131 J/s
Bit retainer		SDS-plus
Weight (with battery pack)		3.1 kg

Scope of delivery	
Order no.	6.00228
Metabo VibraTech (MVT) side handle	■
Drilling depth guide	■
Carrying strap	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

- Product Advantages**
- Hammer stop for drilling in rotary only mode and for screwdriving
  - Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working if the drill snags
  - Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Battery packs with capacity display for checking the charge status

**System Components**

267 → Accessories

66 → Battery packs

# Cordless Angle Grinders: Powerful and versatile

Metabo's cordless angle grinders convince with excellent battery pack technology combined with impressive performance. The world's first cordless angle grinder for discs with 150 mm in diameter, now our largest cordless grinder, cuts not only fast and efficiently, but also very deep: 45 millimeter tubes and profiles can be cut with ease without having to turn the workpiece or the tool.

**Slim design**  
Ensures prolonged comfort when working overhead or in areas with limited space

**Battery Packs**  
With up to 5.2 Ah and integrated battery capacity display for checking the charge status

**Metabo Quick**  
Permits tool-less changing of discs by means of quick-locking nut

**Cutting Guard Clip**  
Permits standardised safe cutting use.

**Restart protection**  
When the power supply is interrupted the restart protection prevents unintentional restarting of the machine, e.g. after removing the battery pack.

**Overload protection**  
Protects the motor from overheating

W 18 LTX 150



**Rotating Battery Pack**  
Permits comfortable and practical working in hard to reach places and for other applications.



**Removable Dust Filter**  
Protects the motor from material dust and debris and thus increases the service life of the machine.



**Original Metabo Accessories**  
for cordless angle grinders ensure optimum working results.

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18 V



Technical Data	Cordless Flat-head Angle Grinder WF 18 LTX 125 Quick
Battery pack type	Li-Ion
Battery pack voltage	18 V
Minimum accessible angle	43 °
Minimum accessible gap (hxd)	66 x 110 mm
Grinding disc Ø	125 mm
No-load speed	8,000 /min
Spindle thread	M 14
Weight (with battery pack)	2.4 kg

Scope of delivery	Order no.
	6.01306 <sup>1)</sup>
Guard	■
Inner Support Flange	■
Quick adjusting nut	■
Side handle	■
Dust filter	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Extremely flat gear head permits working at acute angles down to 43°
- Compact design for quick removal of welding slag, rust or paint in tight places e.g. frame constructions
- Low-fatigue working even at weld seams during out-of-position welding thanks to slim handle
- Robust motor for long service life
- Metabo »Quick« for changing discs by means of quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

**System Components**

- 75, 113 → Accessories
- 66 → Battery packs

18 V



Technical Data	Cordless Angle Grinder W 18 LTX 115 Quick	Cordless Angle Grinder W 18 LTX 125 Quick	Cordless Angle Grinder WP 18 LTX 125 Quick
Battery pack type	Li-Ion	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V	18 V
Grinding disc Ø	115 mm	125 mm	125 mm
No-load speed	8,000 /min	8,000 /min	8,000 /min
Spindle thread	M 14	M 14	M 14
Weight (with battery pack)	2.4 kg	2.4 kg	2.4 kg

Scope of delivery	Order no.	6.02170 <sup>1)</sup>	6.02174	6.13072
Guard		■	■	■
Inner Support Flange		■	■	■
Quick adjusting nut		■	■	■
Side handle		■	■	■
Dust filter		■	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)			■	■
»AIR COOLED« Charger ASC 30-36 V			■	■
Plastic carry case			■	■
without battery, without charger		■		

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Slim design for prolonged comfort when working overhead or in areas with limited space
- Robust motor for long service life
- Metabo »Quick« for changing discs by means of quick-adjusting nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated switch

**System Components**

- 113 → Accessories
- 66 → Battery packs

18 V



Technical Data	Cordless Angle Grinder W 18 LTX 150 Quick
Battery pack type	Li-Ion
Battery pack voltage	18 V
Grinding disc Ø	150 mm
No-load speed	8,000 /min
Spindle thread	M 14
Weight (with battery pack)	2.4 kg

Scope of delivery	6.00404 <sup>1)</sup>
Cutting Guard Clip	■
Guard	■
2 Flexiarapid Inox Cutting Discs (150x1.6x22.2 mm)	■
Inner Support Flange	■
Quick Adjusting Nut	■
Side Handle	■
Dust Filter	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product Advantages**
- Cordless angle grinder with highest stock removal and most cuts per battery charge with 5.2 Ah
  - World's first 150 mm cordless angle grinder for powerful cutting up to 45 mm deep.
  - Slim design for prolonged comfort when working overhead or in areas with limited space
  - Robust motor for long service life
  - Metabo »Quick« for changing discs by means of quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Battery pack can be swivelled for better working in hard to reach places.
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth startup
  - No-volt release switch: prevents unintentional startup after power cut
  - Battery packs with capacity display for checking the charge status

**System Components**

- 113 → Accessories
- 66 → Battery packs

18 V



Technical Data	Cordless Angle Grinder W 18 LTX 125 Quick Inox Set	Cordless Angle Grinder W 18 LTX 125 Quick Inox
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
Grinding disc Ø	125 mm	125 mm
No-load speed	5,000 /min	5,000 /min
Spindle thread	M 14	M 14
Weight (with battery pack)	2.4 kg	2.4 kg

Scope of delivery	6.00174.88 <sup>1)</sup>	6.00174.85 <sup>1)</sup>
Guard	■	■
Inner Support Flange	■	■
Quick Adjusting Nut	■	■
Side Handle	■	■
Dust Filter	■	■
2 Combination Lamellar Grinding Discs (125x22.23 mm, medium)	■	
1 Fleece Compact Discs (125x15x 22.23 mm, very fine)	■	
1 Cling-fit Backing Pad (125 mm, hard)	■	
1 Cling-fit Backing Pad (125 mm, soft)	■	
5 Pyramid Cling-fit Sanding Sheets (125 mm, P600/A30)	■	
Cling-fit Nylon Web Disc (125 mm; P280)	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Charger ASC 30-36 V	■	
Sheet Steel Carry Case	■	
without battery, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product Advantages**
- Speed and torque configured precisely for stainless steel processing ensuring a cool grinding action with perfect finish
  - Slim design for prolonged comfort when working overhead or in areas with limited space
  - Robust motor for long service life
  - Metabo »Quick« for changing discs by means of quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Battery pack can be swivelled for better working in hard to reach places.
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth startup
  - No-volt release switch: prevents unintentional startup after power cut
  - Battery packs with capacity display for checking the charge status

**System Components**

- 153 → Accessories
- 66 → Battery packs

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18 V



Technical Data	Cordless Band File BF 18 LTX 90 Set	Cordless Band File BF 18 LTX 90
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
No-load belt speed	8 m/s	8 m/s
Grinding belt width	6 - 19 mm	6 - 19 mm
Grinding belt length	457 mm	457 mm
Useful length of grinding belt arm	90 mm	90 mm
Weight (with battery pack)	2.6 kg	2.6 kg

Scope of delivery	6.00321.88 <sup>1)</sup>	6.00321.85
Order no.		
Side Handle	■	■
Dust Filter	■	■
Grinding Belt Arm 1 (for belt width 6 and 13 mm)	■	■
Grinding Belt Arm 3 (for belt width 13 mm)	■	
10 Grinding Belts Ceramic (6x457 mm; P80)	■	
10 Grinding Belts Ceramic (13x457 mm; P80)	■	
3 Nylon Web Bands (6x457 mm; medium)	■	
3 Nylon Web Bands (13x457 mm; medium)	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Charger ASC 30-36 V	■	
Sheet Steel Carry Case	■	
Hexagonal Wrench		■
without battery, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Powerful, compact cordless band file for grinding, burnishing and deburring in places difficult to reach
- Robust motor for long service life
- Tool-free change of sanding belt and adjustable belt guide
- Grinding attachment can be swivelled by 270° for perfect adaptation to any working position
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

**System Components**

158 → Accessories | 66 → Battery packs

18 V



Technical Data	Cordless Fillet Weld Grinder KNS 18 LTX 150 Set	Cordless Fillet Weld Grinder KNS 18 LTX 150
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
No-load speed	3,800 /min	3,800 /min
Disc diameter	150 mm	150 mm
Spindle thread	M 14	M 14
Weight (with battery pack)	3 kg	3 kg

Scope of delivery	6.00191.88 <sup>1)</sup>	6.00191.85
Order no.		
Guard	■	■
Inner Support Flange	■	■
Nut with two holes	■	■
Side Handle	■	■
Dust Filter	■	■
1 Fleece Compact Disc (150x3x25.4 mm, medium)	■	
1 Fleece Compact Disc (150x6x25.4 mm, medium)	■	
1 Fleece Compact Discs (150x6x 25.4 mm, very fine)	■	
1 Profiling File	■	
25 Sandpaper strips for Files	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Charger ASC 30-36 V	■	
Sheet Steel Carry Case	■	
Flat-pin Spanner	■	■
Hexagonal Wrench	■	■
without battery, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Very flat cordless fillet weld grinder for processing stainless steel weld seams in tight spaces
- Robust motor for long service life
- Spindle lock for quick disc change
- Tool-free adjustable, removable guard
- Grinding arm can be swivelled by 270° for perfect adaptation to any working position
- Low-maintenance belt drive for long service life
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

**System Components**

162 → Accessories | 66 → Battery packs

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18 V



Technical Data	Cordless Burnishing Machine S 18 LTX 115 Set	Cordless Burnishing Machine S 18 LTX 115
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
No-load speed	3,000 /min	3,000 /min
Spindle thread	M 14	M 14
Grinding media diameter	100 - 200 mm	100 - 200 mm
Grinding media width	50 - 100 mm	50 - 100 mm
Weight (with battery pack)	3.1 kg	3.1 kg

Scope of delivery

Order no.	6.00154.88 <sup>1)</sup>	6.00154.85 <sup>1)</sup>
Side handle	■	■
Dust filter	■	■
3 Spacer Rings for narrow rollers	■	
1 Lamellar/ Nylon Web Grinding Wheel (Ø105x100 mm; P60)	■	
1 Lamellar/ Nylon Web Grinding Wheel (Ø105x100 mm; P80)	■	
1 Lamellar/ Nylon Web Grinding Wheel (Ø105x100 mm; P180)	■	
Single-ended spanner	■	■
Hexagonal Wrench		■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Charger ASC 30-36 V	■	
Sheet Steel Carry Case	■	
without battery, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Compact cordless burnishing machine for grinding, burnishing, brushing and high-gloss polishing of e.g. stainless steel
- Robust motor for long service life
- Spindle lock and quick-adjusting nut for quick roller change without tools
- Bracket for side handle with different mounting points; adjustable without tools
- Smooth-running, form-fit roller arbor for a uniform finish
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

System Components

165 → Accessories | 66 → Battery packs

18 V



Technical Data	Cordless Tube Belt Sander RB 18 LTX 60 Set	Cordless Tube Belt Sander RB 18 LTX 60
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
No-load belt speed	9.2 m/s	9.2 m/s
Sanding belt dimensions	30 x 533 mm	30 x 533 mm
Max. pipe diameter	60 mm	60 mm
Wrap angle	190 °	190 °
Weight (with battery pack)	3.3 kg	3.3 kg

Scope of delivery

Order no.	6.00192.88 <sup>1)</sup>	6.00192.85
Dust Filter	■	■
10 Zirconia Sanding Belts (30x533 mm, P80)	■	
10 Zirconia Sanding Belts (30x533 mm, P120)	■	
2 Pyramid Sanding Belts (30x533 mm, P280/A65)	■	
2 Pyramid Sanding Belts (30x533 mm, P400/A45)	■	
2 Pyramid Sanding Belts (30x533 mm, P600/A30)	■	
2 Pyramid Sanding Belts (30x533 mm, P1200/A16)	■	
3 Nylon Web Bands (30x533 mm; one each coarse, medium, very fine)	■	
1 Felt Band (30x533 mm)	■	
1 Polishing Paste (white)	■	
Hexagonal Wrench	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Charger ASC 30-36 V	■	
Sheet Steel Carry Case	■	
without battery, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Tool-free adjustable, compact grinding attachment; perfect for reworking mounted handrails
- Compact cordless tube belt sander for quick, flexible processing of stainless steel pipes
- Large wrap angle of 190° for seamless surfaces
- Robust motor for long service life
- Tool-free change of sanding belt and adjustable belt guide
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

System Components

174 → Accessories | 66 → Battery packs

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NEW



18 V

Technical Data	Cordless Die Grinder GA 18 LTX	Cordless Die Grinder GPA 18 LTX	Cordless Die Grinder GA 18 LTX G
Battery pack type	Li-Ion	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V	18 V
No-load speed	25,000 /min	25,000 /min	6,000 /min
Collar diameter	43 mm	43 mm	43 mm
Collet bore of the collet chuck	6 mm	6 mm	6 mm
Weight (with battery pack)	2.1 kg	2.1 kg	2.2 kg

Scope of delivery	6.00638 <sup>1)</sup>	6.00621 <sup>1)</sup>	6.00639 <sup>1)</sup>
Order no.	6.00638 <sup>1)</sup>	6.00621 <sup>1)</sup>	6.00639 <sup>1)</sup>
Collet 6 mm	■	■	■
Protective Rubber Cap	■	■	■
Side Handle			■
Dust Filter	■	■	■
Open-jawed Spanner	■	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	■	■
»AIR COOLED« Charger ASC 30-36 V	■	■	■
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product Advantages**
- Spindle lock for simple change of tools
  - Electronic safety shutdown of the motor if the tool jams for safe working
  - No-volt release switch: prevents unintentional startup after power cut
  - Overload protection: protects the motor from overheating
  - Removable protective rubber cap for comfortable and safe working
  - Slim housing for ideal handling
  - Precision collet for precise concentricity
  - Battery packs with capacity display for checking the charge status
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated switch
  - High torque and compact design thanks to robust planetary gear

**System Components**

- 182 → Accessories
- 66 → Battery packs

18 V



Technical Data	Cordless Circular Saw KSA 18 LTX
Battery pack type	Li-Ion
Battery pack voltage	18 V
Bevel range from / to:	0 °/+ 50 °
Adjustable cutting depth	0 - 53.5 mm
Max. cutting depth at 90°	53.5 mm
Max. cutting depth at 45°	42 mm
Saw blade Ø x drilling	Ø 165 x 16 mm
No-load speed	2,700 /min
Weight (with battery pack)	4.3 kg

Scope of delivery	6.02268
Order no.	6.02268
Carbide Circular Saw Blade (18 teeth)	■
Parallel Guide/Ripping Fence	■
Hexagonal Wrench	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■

Equipment variants can be found in the Metabo price list and on the internet

- Product Advantages**
- Integrated LED work light for optimum illumination of the cutting line
  - Brake area stops the saw blade particularly quickly and improves safety
  - Large range of applications thanks to angled cuts up to 50°
  - Precise cuts with guide rail 6.31213 and matching adapter 6.31019 (accessory)
  - Battery packs with capacity display for checking the charge status

**System Components**

- 344 → Accessories
- 66 → Battery packs



Technical Data	Cordless Sabre Saw ASE 18 LTX
Battery pack type	Li-Ion
Battery pack voltage	18 V
Strokes at no load	0 - 2,700 /min
Saw blade stroke	30 mm
Weight (with battery pack)	3.6 kg

Scope of delivery	6.02269
Order no.	6.02269
Hexagonal Wrench	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Charger ASC 30-36 V	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

- Product Advantages**
- To saw wood, plastics, metal pipes and profiles and much more.
  - Slim, lightweight machine with softgrip handle for comfortable sawing in every working position
  - Robust aluminium die-cast gear housing, coated for optimum handling
  - Vario (V)-electronics for working with customised strokes for the materials used
  - Saw blade rotatable by 180° for working comfortably overhead
  - Metabo »Quick« for changing saw blades without tools
  - Depth guide can be adjusted for the ideal utilisation of all the saw blade and diverse applications such as plunge cuts
  - Battery packs with capacity display for checking the charge status

**System Components**

- 373 → Accessories
- 66 → Battery packs

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18 V



Technical Data	Cordless Jigsaw STA 18 LTX	Cordless Jigsaw STA 18 LTX 140
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
Maximum thickness of material in		
- Wood	135 mm	140 mm
- NF metals	35 mm	35 mm
- Sheet steel	10 mm	10 mm
Bevel range from / to:	- 45 °/+ 45 °	+ 45 °/- 45 °
Orbital motion levels	4	4
Strokes at no load	0 - 2,700 /min	1,000 - 3,000 /min
Weight (with battery pack)	2.8 kg	2.9 kg

Scope of delivery

Order no.	6.02298	6.01405
Extraction nozzle		■
Protective glass		■
Plastic guard plate	■	■
Chip break guard plate	■	■
Hexagonal Wrench	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	■
»AIR COOLED« Charger ASC 30-36 V	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet

Product Advantages

- Metabo »Quick« for changing saw blades without tools
- Close proximity saw blade guidance for precise cuts
- Top handle with non-slip softgrip surface
- Vario (V)-electronics for working with customised strokes for the materials used
- Splinter-free and gentle sawing due to guard plate with chip break guard
- Extremely powerful jigsaw with VTC electronics for fast cuts into softwood of up to 140 mm
- Extremely handy due to small handle size and softgrip surface
- Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support
- Metabo »Quick« for changing saw blades without tools and with automatic ejection
- Convenient start automatic: automatic stroke acceleration when starting to saw
- Simple bevel cuts thanks to tool-less adjustable footplate with rest points
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised strokes for the materials used that remain almost constant under load
- Switchable shaving blower function ensures free view of cutting line
- Integrated LED work light for illumination of the cutting line
- Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing.
- Battery packs with capacity display for checking the charge status

System Components

359 ▶ Accessories | 66 ▶ Battery packs

18 V



NEW



NEW



Technical Data	Cordless Crosscut Saw KS 18 LTX 216	Cordless Crosscut Saw KGS 18 LTX 216 with sliding function
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
Maximum cutting width 90°/45°	120 mm/80 mm	305 mm/205 mm
Maximum cutting depth at 90°/45°	60 mm/45 mm	65 mm/36 mm
Maximum cross-section of the workpiece		
- Straight cut 90°/90°	120 x 60 mm	305 x 65 mm
- Double mitre 45°/45°	80 x 45 mm	205 x 36 mm
Turntable setting left/right	47 °/47 °	47 °/47 °
Saw blade tilt left/right	47 °/0 °	47 °/0 °
Saw blade	Ø 216 x 30 mm	Ø 216 x 30 mm
No-load speed	4,200 /min	4,200 /min
Weight (with battery pack)	9.6 kg	13.8 kg

Scope of delivery

Order no.	6.19000 available from autumn 2014	6.19001 available from autumn 2014
Carbide Saw Blade (40 teeth)	■	■
2 Table length extensions	■	■
Length guide	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	■
»AIR COOLED« Charger ASC 30-36 V	■	■

Equipment variants can be found in the Metabo price list and on the internet

Product Advantages

- Sliding function for wide work pieces.
- Powerful cordless crosscut saw for assembly jobs with high cutting output
- High orbital frequency per battery charge by means of 5.2 Ah battery pack
- Compact light weight, suitable also for one-handed transport
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Motor brake for quick stop of the saw blade
- Robust die-cast aluminium design for highest demands
- Effective dust extraction via integrated dust scoop.
- Fast and precise setting of common angles using stop points
- Cutting line laser and LED work light with energy-saving automatic switch-off
- Infinitely extendable table width extension, removable to put long panels, skirtings etc. underneath
- High sliding rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front
- Easy saw blade change by means of spindle lock: No dismantling of the pendulum protective cover required
- Chip collection bag for clean air at the workplace
- Battery packs with capacity display for checking the charge status

System Components

446 ▶ Accessories | 66 ▶ Battery packs

14.4 V  
18 V



NEW

**Cordless Portable Lamp  
ULA 14.4-18 LED**

14.4 V / 1.5 Ah: 3.4 h  
14.4 V / 4.0 Ah: 9 h  
18 V / 1.5 Ah: 4.8 h  
18 V / 4.0 Ah: 12.7 h  
18 V / 5.2 Ah: 16.5 h

Weight (without battery pack) 0.39 kg

#### Scope of delivery

Order no.	6.00368	6.00370
without battery, without charger	■	■

#### Product Advantages

- Powerful LED portable lamp for uniform, bright illumination of the working area
- Lamp head can be tilted and locked in 12 positions
- Compact and handy for versatile use
- Robust aluminium die-cast housing for use on construction sites.
- The Metabo cordless system: Operation with all Li-Power push-fit battery packs with 14.4 and 18 volts.
- Swivelling hook for suspending the lamp



NEW

**Cordless Inspection Lamp  
SLA 14.4-18 LED**

14.4 V / 1.5 Ah: 2.6 h  
14.4 V / 4.0 Ah: 6.8 h  
18 V / 1.5 Ah: 3.4 h  
18 V / 4.0 Ah: 9.1 h  
18 V / 5.2 Ah: 11.8 h

Weight (without battery pack) 0.46 kg

- Powerful LED inspection lamp for uniform, bright illumination of the working area
- Lamp head can be turned and swivelled by 180° for almost infinite positions of the lamp

14.4 V  
18 V



#### Technical Data

Max. operation time per battery charge

Weight (without battery pack) 2.5 kg

#### Scope of delivery

Order no.	6.02111
without battery, without charger	■

#### Product Advantages

- Powerful cordless site light with 18 LEDs for extensive and even illumination of the workplace, also suitable for surface processing.
- The Metabo cordless system: Operation with all Li-Power push-fit battery packs with 14.4 and 18 volts.
- Robust and with a long service life for demanding applications on construction sites. Housing and glass can be cleaned with a damp cloth
- Very bright and pleasant light, inspired by daylight, with two illumination levels
- Extremely long-lasting illumination of up to 7 hours per battery charge
- Minimum heat generation: The light gets only warm to the touch in continuous operation
- Handles and light, compact design for quick change of position and for on the go
- Light can be swivelled quickly and infinitely by 180°
- Rubberised stand for secure positioning and gentle use on delicate surfaces
- It can also be suspended from a wall or on a tripod

#### System Components

70 → Accessories

66 → Battery packs

#### Technical Data

Max. runtime per battery charge

Weight (without battery pack) 5.3 kg

#### Scope of delivery

Order no.	6.02106
AUX connection cable	■
Mains cable	■
without battery pack	■

#### Product advantages

- Operation with all all Li-Power push-fit 14.4 and 18 V battery packs or mains operation
- Charger function for charging all Li-Power push-fit 14.4 and 18 V battery packs
- Battery pack operation up to 31 h
- Robust plastic housing: splashproof, dustproof, shockproof
- Safety frame
- Digital PLL tuner with illuminated LCD display and automatic station search
- Capacity for 10 programmes (5 for FM stations, 5 for AM stations)
- Robust, rotating sound, station search and volume control
- Digital clock with alarm function with two separate alarm times (wake-up alarm tone or radio alarm)
- Flexible antenna
- AC mains cable (2.2 m)
- 12 V DC power input (9-14 V)
- Powerful loudspeaker
- Headphones and AUX inputs for CD and MP3 player (e.g.iPod®, etc).
- DC output (5 V, 500 mA) for charging mobile phones
- Safe storage of battery packs and MP3 players etc

#### System Components

66 → Battery packs

#### System Components

66 → Battery packs

## Clever combination of battery pack power

Metabo offers you mobile system solutions with product combinations customised for target groups from the wide range of cordless tools. Thanks to the flexible combination possibilities, the tools including accessories and charger can be stored in the robust MetaLoc system cases. The cases can be interconnected and can be opened/closed with one hand. Thanks to the MetaLoc system case, the tools cannot be only transported comfortably and safely to the construction site, but can also be stored whilst occupying little space.

### 10.8 V



#### Combo Set 2.1 10.8 V Quick Pro

- Cordless Drill / Screwdriver PowerMaxx BS Quick
- Cordless Impact Driver PowerMaxx SSD
- »Quick« Quick-action Keyless Chuck
- »Quick« Quick Screw-type Angle Attachment
- Li-Power Battery Pack (10.8 V/2.0 Ah)
- Li-Power Battery Pack (10.8 V/4.0Ah)
- Charger LC 40
- In MetaLoc I

Order no. 6.85053



#### Combo Set 2.2 10.8 V Quick Pro

- Cordless Drill / Screwdriver PowerMaxx BS Quick
- Cordless Sabre Saw PowerMaxx ASE
- »Quick« Quick-action Keyless Chuck
- »Quick« Quick Screw-type Angle Attachment
- Li-Power Battery Pack (10.8 V/2.0 Ah)
- Li-Power Battery Pack (10.8 V/4.0Ah)
- Charger LC 40
- In MetaLoc III

Order no. 6.85054

### 18 V



#### Combo Set 2.1.1 18 V

- Cordless Drill / Screwdriver BS 18 LT
- Cordless Impact Driver SSD 18 LTX 200
- 2 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III

Order no. 6.85030

or with SB 18 LT + SSD 18 LTX 200

Combo Set 2.1.3 18 V  
Order no. 6.85032



#### Combo Set 2.1.2 18 V

- Cordless Drill / Screwdriver BS 18 LT
- Cordless Impact Wrench SSW 18 LTX 200
- 2 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III

Order no. 6.85031

or with SB 18 LT + SSW 18 LTX 200

Combo Set 2.1.4 18 V  
Order no. 6.85033



#### Combo Set 2.1.5 18 V LTX

- Cordless Impact Screwdriver SB 18 LTX
- Cordless Impact Driver SSD 18 LTX 200
- 2 Li-Power Battery Packs (18 V/5.2 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III

Order no. 6.85058



#### Combo Set 2.3.1 18 V

- Cordless Drill / Screwdriver BS 18 LT Quick
- Cordless Rotary Hammer BHA 18 LT
- »Quick« Quick Change System
- »Quick« Quick-action Keyless Chuck
- »Quick« Quick Screw-type Angle Attachment
- 2 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III

Order no. 6.85037



#### Combo Set 2.5.1 18 V

- Cordless Angle Grinder W 18 LTX 125 Quick
- Cordless Die Grinder GA 18 LTX
- 2 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III

Order no. 6.85040



#### Combo Set 4.2.1 18 V

- Cordless Impact Drill SB 18 LT
- Cordless Impact Wrench SSW 18 LTX 200
- Cordless Circular Saw KSA 18 LTX
- Cordless Portable Lamp ULA 14.4-18
- Adapter 1/2"- 1/4"
- 3 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III and MetaLoc IV

Order no. 6.85043



#### Combo Set 2.2.2 18 V

- Cordless Impact Drill SB 18 LT
- Cordless Jigsaw STA 18 LTX 140
- 2 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III

Order no. 6.85036

or with SB 18 LT + STA 18 LTX

Combo Set 2.2.1 18 V  
Order no. 6.85035



#### Combo Set 4.1.1 18 V

- Cordless Impact Drill SB 18 LT
- Cordless Impact Wrench SSW 18 LTX 200
- Cordless Jigsaw STA 18 LTX
- Cordless Portable Lamp ULA 14.4-18
- Adapter 1/2"- 1/4"
- 3 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III and MetaLoc II

Order no. 6.85041



#### Combo Set 2.4.1 18 V

- Cordless Drill / Screwdriver BS 18 LT
- Cordless Angle Grinder W 18 LTX 125 Quick
- 2 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III

Order no. 6.85038

or with SB 18 LT + W 18 LTX 125 Quick

Combo Set 2.4.2 18 V  
Order no. 6.85039



#### Combo Set 4.1.2 18 V

- Cordless Impact Drill SB 18 LT
- Cordless Impact Wrench SSW 18 LTX 200
- Cordless Jigsaw STA 18 LTX 140
- Cordless Portable Lamp ULA 14.4-18
- Adapter 1/2"- 1/4"
- 3 Li-Power Battery Packs (18 V/4.0 Ah)
- »AIR COOLED« Charger ASC 30-36 V
- In MetaLoc III and MetaLoc II

Order no. 6.85042

25.2 V



## Technical Data

Cordless Magnetic Core Drill  
MAG 28 LTX 32

Battery pack type	Li-Ion
Voltage	25.2 V
Maximum drilling diameter	
- With core drill	32 mm
- With spiral drill	13 mm
Max. drilling depth	50 mm
Max. stroke	160 mm
Dimensions of magnetic base	70 x 190 mm
No-load speeds	380/680 /min
Bit retainer	Morse taper MK 2, Weldon shaft 19 mm (3/4")
Height (including motor) max.	615 mm
Weight (with battery pack)	14.5 kg

## Scope of delivery

Order no.	6.00334 <sup>1)</sup>
Industrial holder for Weldon shank 19 mm	■
HSS core drill "rapid cut" Ø 14 mm, 18 mm, 22 mm	■
Ejector pin 77 mm	■
Geared chuck 13 mm with adapter MK2	■
Chuck key	■
MK 2 drift key	■
Safety strap	■
Allen key	■
Universal cutting paste	■
2 Li-ion Battery Packs (25.2 V/3.0 Ah)	■
»AIR COOLED« Quick Charger ASS 15 Plus	■
Transport case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

## Product Advantages

- Large stroke, therefore suitable for use of core drills, spiral drills and countersinks.
- Magnetic base with high holding power permits working at vertical surfaces and overhead
- Highest safety at work thanks to permanent magnet, no accidental deactivation of the magnet possible
- Magnetic base in prismatic shape, particularly suited for processing pipes from Ø 90 mm
- Durable two-speed gearbox with oil bath lubrication for ideal speeds
- Overload protection: protects the motor from overheating
- Integrated coolant container for easy to dose internal cooling of the core drill
- Spare battery pack always handy thanks to storage at drill stand

## System Components

252 → Accessories

66 → Battery packs

36 V



## Technical Data

Cordless Combination Hammer  
KHA 36 LTX

Battery pack type	Li-Ion
Battery pack voltage	36 V
Drill diameter in	
- Concrete with hammer drills	32 mm
- Masonry with core bits	68 mm
- Steel	13 mm
- Soft wood	30 mm
No-load speed	0 - 1,100 /min
Max. impact rate	4,500 /min
Max. single blow energy (EPTA)	3.1 J
Impact power	226 J/s
Bit retainer	SDS-plus
Weight (with battery pack)	4.9 kg

## Scope of delivery

Order no.	6.00795 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■
Quick-action keyless chuck for tools with cylindrical shank end	■
Metabo VibraTech (MVT) side handle	■
Drilling depth guide	■
2 Li-Power Battery Packs (36V/4.0 Ah)	■
»AIR COOLED« Quick Charger ASC Ultra	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

<sup>1)</sup> also available in 120 V (North/Latin America)

## Product Advantages

- Hammer stop for drilling in rotary only mode and for screwdriving
- Ergonomic housing shape for chiselling tasks without side handle.
- Rotation stop for chiselling
- Metabo »Quick«: Quick change between SDS Plus hammer chuck and quick-action keyless chuck for drilling in wood and metal
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
- Battery packs with capacity display for checking the charge status

## System Components

267, 275 → Accessories

66 → Battery packs

01

02

03

04

05

06

07

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09

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11

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13

14

# 36 V



**Technical Data**

**Cordless Hedge Trimmer AHS 36 V**

**Cordless Hedge Trimmer AHS 36-65 V**

Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	36 V	36 V
Lifetime of battery pack	50 min	50 min
Cutting strength	18 mm	18 mm
Cutting length	53 cm	63 cm
Orbital frequency at no load	2,700 /min	2,700 /min
Weight (with battery pack)	3.9 kg	4.1 kg

**Scope of delivery**

Order no.	6.02177	6.02203
2 Li-Power Battery Packs (36 V/1.5 Ah)	■	
2 Li-Power Battery Packs (36 V/1.5 Ah)		■
»AIR COOLED« Quick Charger ASC Ultra		■
»AIR COOLED« Charger ASC 30-36 V	■	
Storage slipcase	■	■

**Product Advantages**

- The lightweight among the professional hedge trimmers in the 36 V class
- Blades with improved geometry generates less wear and thus delivers 200% longer service life
- Cleaner cuts thanks to double diamond-ground blade teeth at an optimum 30° angle
- Safety lower blade for high safety at work
- Two-level reduced gear for particularly high cutting performance
- Pleasant to work with thanks to low-vibration run, perfect ergonomics and softgrip handle
- Safety thanks to electronic quick stop of the blade (in 0.3 seconds)
- Trigger-guard with twig feed protects user and gear from backstrokes
- Battery packs with capacity display for checking the charge status

**Assortment 2009 – today**

Machine type	Order no.	Previous model	Li-Ion Battery Packs »AIR COOLED«									
			14.4 V 1.5 Ah 6.25588 2.0 Ah 6.25595	14.4 V 3.0 Ah 6.25593	14.4 V 4.0 Ah 6.25590	18 V 1.5 Ah 6.25589 2.0 Ah 6.25596	18 V 3.0 Ah 6.25594	18 V 4.0 Ah 6.25591	18 V 5.2 Ah 6.25592	36 V 1.5 Ah 6.25453	36 V 4.0 Ah 6.25528	
			6.25498	6.25454	6.25526	6.25468	6.25455	6.25527	6.25587			
			6.25467	6.25456		6.25499	6.25469					
BS 14,4 Li	6.02105	6.02135	■	■	■							
BS 18 Li	6.02116	6.02136				■	■	■	■			
BS 14,4 LT	6.02100	6.02137	■	■	■							
BS 14,4 LT Quick	6.02101	6.02107	■	■	■							
BS 18 LT	6.02102	6.02139				■	■	■	■			
BS 18 LT Quick	6.02104	6.02108				■	■	■	■			
BS 14,4 LTX Impuls	6.02143			■	■							
BS 18 LTX Impuls	6.02191	6.02145					■	■	■			
BS 18 LTX Quick	6.02193	6.02109					■	■	■			
BS 18 LTX-X3 Quick	6.02201						■	■	■			
BS 18 LTX BL Quick	6.02197						■	■	■			
SB 14,4 LT Impuls	6.02140		■	■	■							
SB 14,4 LTX Impuls	6.02146			■	■							
SB 18 LT	6.02103	6.02142				■	■	■	■			
SB 18 LTX Impuls	6.02192	6.02148				■	■	■	■			
SB 18 LT Impuls	6.02142					■	■	■	■			
SB 18 LTX Impuls	6.02148						■	■	■			
SB 18 LTX Quick	6.02200						■	■	■			
SB 18 LTX BL Quick	6.02199						■	■	■			
SSD 14,4 LT	6.02125		■	■	■							
SSD 18 LTX 200	6.02196	6.02127				■	■	■	■			
SSW 14,4 LT	6.02126		■	■	■							
SSW 18 LTX 200	6.02195	6.02128				■	■	■	■			
SSW 18 LTX 400 BL	6.02205						■	■	■			
SSW 18 LTX 600	6.02198						■	■	■			
BHA 18 LT	6.00228					■	■	■	■			
BHA 36 LTX Compact	6.00206									■		
W 18 LTX 115	6.02170						■	■	■			
W 18 LTX 125 / WP 18 LTX 125	6.02174 / 6.13072						■	■	■			
W 18 LTX 125 Inox	6.00174						■	■	■			
W 18 LTX 150	6.00404						■	■	■			
WF 18 LTX 125	6.01306						■	■	■			
BF 18 LTX	6.00321						■	■	■			
KNS 18	6.00191						■	■	■			
S 18 LTX	6.00154						■	■	■			
RB 18 LTX 60	6.00192						■	■	■			
GA 18 LTX	6.00638						■	■	■			
GA 18 LTX G / GPA 18 LTX G	6.00639 / 6.00623						■	■	■			
KSA 18 LTX	6.02268						■	■	■			
ASE 18 LTX	6.02269						■	■	■			
STA 18 LTX	6.02298						■	■	■			
STA 18 LTX 140	6.01405						■	■	■			
ULA 14,4-18 LED	6.00368	6.02311	■	■	■	■	■	■	■			
SLA 14,4-18 LED	6.00370		■	■	■	■	■	■	■			
BSA 14,4-18 LED	6.02111		■	■	■	■	■	■	■			
RC 14,4-18	6.02106		■	■	■	■	■	■	■			
KHA 36	6.00795									■		
AHS 36 V / AHS 36-65 V	6.02177 / 6.02203									■	■	
<b>Charger</b>	<b>Order no.</b>											
ASC 30	6.27056		■	■	■	■	■	■	■	■	■	
ASC 30-36	6.27044		■	■	■	■	■	■	■	■	■	
ASC 15	6.27292		■	■	■	■	■	■	■	■	■	
ASC Ultra	6.27265		■	■	■	■	■	■	■	■	■	

Additional models

		Additional battery packs									
Machine type	Order no.	6.25489									
BS 12 NiCD	6.02172					■					
BS 12 NiCD	6.02194								■		
PowerGrip Flashlight	6.27000				■						
PowerGrip	6.02410				■						
PowerMaxx	6.00059/ 6.00063				■						
PowerMaxx Li	6.00068/ 6.00069		■	■							
PowerGrip Li	6.00077		■	■							
PowerCutter Li	6.00087		■	■							
PowerCutter Li Pro	6.00088		■	■							
PowerTrimmer Li	6.00137		■	■							
PowerTrimmer Li Pro	6.00138		■	■							
PowerMaxx BS	6.00079/ 6.00090							■	■	■	
PowerMaxx BS Basic	6.00080/ 6.00091							■	■	■	
PowerMaxx BS Pro	6.00092							■	■	■	
PowerMaxx BS Quick Basic	6.00156							■	■	■	
PowerMaxx BS Quick Pro	6.00157							■	■	■	
PowerMaxx SSD	6.00093							■	■	■	
KPA 10.8	6.02117							■	■	■	
PowerMaxx ASE	6.02264							■	■	■	
PowerMaxx LED	6.00036							■	■	■	
PowerMaxx ULA LED	6.00367							■	■	■	
PowerMaxx SLA LED	6.00369							■	■	■	
PowerMaxx RC	6.02113							■	■	■	
KHA 24	6.00189/ 6.00190	■									
MAG 28 LTX 32	6.00334	■									
Charger	Order no.										
ASC 30	6.27056					■					
ASC 30-36	6.27044					■					
ASC 15	6.27292					■					
ASS 15	6.27283	■									
Charger 2h, 4.8 V	6.27270				■						
LC 60	6.27306		■	■							
LC 40	6.27064							■	■	■	
C 60	6.27053								■	■	■

Assortment 2004 – 2009

		NiCd Battery Packs »AIR COOLED«							Li-Ion battery pack »AIR COOLED« socket seat		
Device type	Order no.	6.25471	6.25473	6.25474	6.25475	6.25476	6.25477	6.25478	6.25486	6.25482	6.25484
BZ 9.6 SP	6.02150	■									
BZ 12 SP	6.02151		■								
BSZ 9.6	6.02152	■									
BSZ 9.6 Impuls	6.02156	■									
BS 12 SP	6.02149		■								
BSZ 12	6.02153		■								
BSZ 12 Impuls	6.02157		■								
BSZ 14.4	6.02154				■	■					
BSZ 14.4 Impuls	6.02158				■	■					
BSZ 18	6.02155						■	■			
BSZ 18 Impuls	6.02159						■	■			
BSZ (Li) Partner Edition	6.20029		■								
BSZ (Li) Partner Edition	6.20033		■								
SBZ14.4 Impuls	6.01442				■	■					
SBZ 18 Impuls	6.01443						■	■			
BSZ 12 Premium	6.02157		■								
SSP 12	6.02160		■								
KSAP 18	6.02168						■	■			
ASE 18	6.02169						■	■			
BHA 18	6.00218/6.00219						■	■			
ULA 9.6-18	6.02511	■	■	■	■	■	■	■	■	■	■
Charger	Order no.										
AC 30 Plus	6.27275	■	■	■	■	■	■	■	■	■	■
ACS 15 Plus	6.27060	■	■	■	■	■	■	■	■	■	■
AC 30	6.27300	■	■	■	■	■	■	■	■	■	■
ACS 15	6.27089	■	■	■	■	■	■	■	■	■	■
C 45 (Car)	6.27070/6.27074	■	■	■	■	■	■	■	■	■	■
ICS 10	6.31770	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>
IC 25	6.31765	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>
C60 (Car)	6.31759	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>

<sup>1)</sup> With adapter 6.27075

Assortment 2000 – 2004

		NiCd battery pack series 3									
Device type	Order no.	6.31746	6.31728	6.31747	6.31729	6.31748	6.31738	6.31749	6.31739	6.31857	6.31740
BS 9.6	6.02271	■	■								
BST 9.6	6.02272	■	■								
BS 9.6 Impuls	6.02224	■	■								
BST 9.6 Impuls	6.02223/6.02301	■	■								
BST 12 SP	6.02274			■	■	■					
BST 12 Euro	6.20010			■	■	■					
BS 12 Impuls	6.02273			■	■	■					
BST 12 Impuls	6.02274/6.02283			■	■	■					
BST 12 Plus	6.02250			■	■	■					
BST 12 Impuls +	6.02252/6.02254			■	■	■					
BS 12 Plus	6.02286			■	■	■					
BST 15.6 Impuls	6.02262						■	■			
BST 15.6 Plus	6.02276						■	■			
BS 15.6 Plus	6.02260						■	■			
BST 18 Impuls	6.02425								■	■	■
BST 18 Plus	6.02278								■	■	■
BS 18 Plus	6.02277								■	■	■
BST 18 SP	6.02278								■	■	■
BSP 12 Plus	6.02419			■	■	■					
BSP 15.6 Plus	6.02420						■	■			
BSP 18 Plus	6.02421								■	■	
SB 12 Impuls	6.02413			■	■	■					
SBT 12 Plus	6.02292			■	■	■					
SBT 15.6 Plus	6.02293/6.02295			■	■	■					
SBP 12 Plus	6.02426			■	■	■					
SBP 18 Plus	6.02422								■	■	■
KSA 18	6.02412								■	■	■
ULA 9.6-18	6.02411	■	■	■	■	■	■	■	■	■	■
Charger	Order no.										
AC 30 Plus	6.27275	■	■	■	■	■	■	■	■	■	■
ACS 15 Plus	6.27060	■	■	■	■	■	■	■	■	■	■
AC 30	6.27300	■	■	■	■	■	■	■	■	■	■
ACS 15	6.27089	■	■	■	■	■	■	■	■	■	■
ASS 15	6.27283	■	■	■	■	■	■	■	■	■	■
C 45 (Car)	6.27070/6.27074	■	■	■	■	■	■	■	■	■	■
ICS 10	6.31770	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>
IC 25	6.31765	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>	■ <sup>1)</sup>
C60 (Car)	6.31759	■	■	■	■	■	■	■	■	■	■

<sup>1)</sup> With adapter 6.27075

Battery packs

Li-ion battery pack					
	Battery pack voltage V	Battery pack capacity Ah	»AIR COOLED«	Order no.	
	<b>Li-ion Battery Packs »AIR COOLED«</b>				
	<ul style="list-style-type: none"> <li>■ Ultra-M technology: Intelligent battery management for long-lasting battery packs</li> <li>■ Patented »AIR COOLED« charging technology</li> <li>■ Permanent electronic Electronic Single Cell Protection (ESCP) when charging, for particularly long life.</li> <li>■ Processor-controlled charge and discharge management</li> <li>■ Long storage capacity with almost no self-discharge</li> <li>■ No memory effect</li> <li>■ Long storage capacity with almost no self-discharge</li> <li>■ Excellent environmental properties</li> </ul>				
		14.4	1.5	■	6.25588*
		14.4	2.0	■	6.25595*
		14.4	3.0	■	6.25593*
		14.4	4.0	■	6.25590*
		18	1.5	■	6.25589*
		18	2.0	■	6.25596*
		18	3.0	■	6.25594*
		18	4.0	■	6.25591*
	<b>NEW</b>	18	5.2	■	6.25592*
		36	1.5	■	6.25453*
	36	4.0	■	6.25528	
	<b>Li-ion Battery Pack 7.2 V</b>				
		7.2	1.1		6.25485*
		7.2	2.2		6.25487*
	<b>Li-ion Battery Pack 10.8 V</b>				
		10.8	1.5		6.25439*
		10.8	2.0		6.25438*
		10.8	4.0		6.25585*
	<b>NEW</b>	10.8	5.2		6.25597*
		<b>Li-ion Battery Packs 25.2 V</b>			
		25.2	3.0	■	6.25437*
	<b>Li-ion Socket Battery Packs »AIR COOLED«</b>				
		12	2.2	■	6.25486*
		14.4	2.2	■	6.25482*
		18	2.2	■	6.25484*

\* Self-service packaging

NiCd battery packs

	Battery pack voltage V	Battery pack capacity Ah	»AIR COOLED«	Order no.	
	<b>NiCd battery packs series 1</b>				
		7.2	1.4		6.30069*
		9.6	1.4		6.30070*
		9.6	1.7		6.30072*
		12	1.7		6.30073*
		12	2.0		6.31723*
	<b>NiCd battery packs series 3</b>				
		9.6	1.4		6.31746*
		9.6	2.0		6.31728*
		12	1.4		6.31747*
		12	2.0		6.31729*
		12	2.4		6.31748*
		15.6	1.25		6.31738*
		15.6	2.4		6.31749*
		18	1.25		6.31739*
		18	2.0		6.31857*
		18	2.4		6.31740*
		<b>NiCd battery packs series 4</b>			
<ul style="list-style-type: none"> <li>■ 6.25452 Slide-in Battery Pack</li> <li>■ 6.25472 Push-in Battery Pack</li> </ul>					
		12	1.7		6.25452*
		12	1.7		6.25472*
	<b>NiCd Battery Packs »AIR COOLED«</b>				
		9.6	2.0	■	6.25471*
		12	1.4	■	6.25473*
		12	2.0	■	6.25474*
		14.4	1.4	■	6.25475*
		14.4	2.0	■	6.25476*
		18	1.4	■	6.25477*
		18	2.0	■	6.25478*
		<b>NiCd battery pack for PowerGrip/PowerMaxx</b>			
			4.8	1.2	

Adapter for Metabo Chargers

	Order no.
 <p><b>Adapter</b></p> <ul style="list-style-type: none"> <li>■ For inserting older battery packs (starting 1981, models 1 and 2) into the new »AIR COOLED« chargers. Also for inserting »AIR COOLED« batteries into older chargers</li> </ul>	6.27075*

\* Self-service packaging

Chargers

	Order no.
 <p><b>Charger ASC 30-36 V</b></p> <ul style="list-style-type: none"> <li>For charging all Li-Power push-fit battery packs (14.4 V - 36 V).</li> <li>Patented »AIR COOLED« charging technology</li> <li>Charging voltage: 3.0 A</li> <li>Very low stand-by input power</li> <li>Processor-controlled charging management system</li> <li>Charge time approximately 30 minutes at 1.3 Ah; approximately 80 minutes at 4.0 Ah</li> </ul> <p>Mains voltage 230 - 240 V Mains frequency: 50/60 Hz</p>	6.27044*
<p><b>NEW</b></p>  <p><b>Quick Charger ASC Ultra</b></p> <ul style="list-style-type: none"> <li>For charging all Li-Power push-fit batter packs (14.4 V - 36 V).</li> <li>Patented »AIR COOLED« charging technology</li> <li>Charging voltage: 6.5 A</li> <li>Very low stand-by input power</li> <li>Processor-controlled charging management system</li> <li>Charge time approximately 30 minutes at 1.3 Ah; approximately 35 minutes at 4.0 Ah</li> </ul> <p>Mains voltage 230 - 240 V Mains frequency: 50/60 Hz</p>	6.27265*
 <p><b>ASS 15 Plus Quick Charger</b></p> <ul style="list-style-type: none"> <li>For charging Metabo NiCd battery packs of 24-25.2 V, as well as Li-Ion battery packs of 24-25.2 V (cordless combination hammer KHA 24)</li> <li>»AIR COOLED« function</li> <li>"Refresh" function for maintenance of batteries for NiCd battery packs</li> <li>Charging voltage: 5 A</li> </ul> <p>Mains voltage: 230 - 240 V Mains frequency: 50/60 Hz</p>	6.27283*
 <p><b>Charger LC 40</b></p> <ul style="list-style-type: none"> <li>For charging Li-ion battery packs 10.8 V</li> <li>Charging voltage: 2.3 A</li> </ul> <p>Mains voltage 230 - 240 V Mains frequency: 50/60 Hz</p>	6.27064*
 <p><b>Charger LC 60</b></p> <ul style="list-style-type: none"> <li>For charging Li-ion battery packs 7.2 V</li> <li>Charging voltage: 2.4 A</li> </ul> <p>Mains voltage: 230 - 240 V Mains frequency: 50/60 Hz</p>	6.27306*
 <p><b>AC 30 Plus Charger</b></p> <ul style="list-style-type: none"> <li>For charging all old (with adapter 6.27075) and new Metabo NiCd and NiMH battery packs of 4.8 V -18 V, as well as the new Li-Ion battery packs of 12 V-18 V</li> <li>»AIR COOLED« function</li> <li>Charging voltage: 2.5 A</li> </ul> <p>Mains voltage 230 - 240 V Mains frequency: 50/60 Hz</p>	6.27275*
 <p><b>Quick charger ACS 15</b></p> <ul style="list-style-type: none"> <li>For charging all old (with 6.27075 adapter) and new Metabo NiCd and NiMH battery packs of 4.8 V -18 V</li> <li>»AIR COOLED« function</li> <li>Charging voltage: 5 A</li> </ul> <p>Mains voltage 230 - 240 V Mains Frequency: 50/60 Hz</p>	6.27089*
 <p><b>Charger C 60</b></p> <ul style="list-style-type: none"> <li>For charging NiCd battery packs 12 V; 1.7 Ah (6.25472)</li> <li>Charging voltage: 2.2 A</li> </ul> <p>Mains voltage: 230 - 240 V Mains Frequency: 50/60 Hz</p>	6.27053*
 <p><b>Battery charger 2 hours for Power Grip²/ PowerMaxx</b></p> <ul style="list-style-type: none"> <li>Especially for the Power Grip² and PowerMaxx</li> <li>Charging voltage: 0.7 A</li> </ul> <p>Mains voltage 230 - 240 V Mains Frequency: 50/60 Hz</p>	6.27270*

Accessories for »Quick« drill and drill/screwdriver

	Order no.
 <p><b>PowerX3 torque attachment</b></p> <ul style="list-style-type: none"> <li>The torque attachment enables the power of the tool (torque) to be tripled to handle tough jobs</li> <li>Suitable for all Metabo cordless drills/screwdriver, cordless impact drill and dills with Metabo »Quick«-quick change adapter in combination with 43 mm collet</li> <li>Standard equipment incl. bit (1 x TX 50) and intermediate piece for adjusting the handle length</li> </ul> <p>Attention: Use the PowerX3 only in connection with the following tools and the correct length of the handle: BS 18 LTX - 340 mm; BE 1300 Quick - 340 mm; BE 75 Quick - 640 mm.</p>	6.27256
 <p><b>Quick change drill chuck Futuro Plus S 1 M, »Quick«</b></p> <ul style="list-style-type: none"> <li>Simple, fast and convenient change of the drill chuck thanks to the Metabo Quick change system</li> <li>Drill chuck: stable model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>Maximum opening: 1.5 - 13 mm</li> <li>Suitable for Metabo BS 14,4 LT Quick, BS 18 LTX Quick, BS 18 LTX BL Quick, BE 1300 Quick</li> </ul>	6.27240*
<p><b>NEW</b></p>  <p><b>Quick change drill chuck Futuro Plus H 1 R+L, »Quick«</b></p> <ul style="list-style-type: none"> <li>Simple, fast and convenient change of the drill chuck thanks to the Metabo Quick change system</li> <li>Drill chuck: model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>Maximum opening: 1.0 - 10 mm</li> <li>Suitable for Metabo PowerMaxx BS Quick</li> </ul>	6.27259*
 <p><b>»Quick« quick change system</b></p> <ul style="list-style-type: none"> <li>Simple, fast and convenient change of the bit retainer thanks to the Metabo Quick change system</li> <li>Chuck suitable for bits with 1/4" external hexagonal drive according to DIN 3126- C 6,3 and E 6,3</li> <li>Suitable for Metabo BS 14.4 LT Quick, BS 18 LTX Quick, BS 18 LTX BL Quick, BE 1300 Quick, BE 75 Quick, Power Maxx BS Quick</li> </ul>	6.27241*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>Quick and comfortable fixing of angle adapter without tools</li> <li>Quick spindle for fixing the quick change angle adapter 6.27240 and bit holder 6.27241</li> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Suitable for clockwise and anti-clockwise rotation</li> <li>Suitable for cordless machines up to a maximum of 110 Nm</li> <li>Suitable for Metabo BS 14,4 LT Quick (bis Bj.01/2013), BS 18 LTX Quick, BS 18 LTX BL Quick, BE 1300 Quick, BE 75 Quick</li> </ul>	6.27242*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>Quick and comfortable fixing of angle adapter without tools</li> <li>Quick spindle for fixing the quick change angle adapter 6.27240 and bit holder 6.27241</li> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Suitable for clockwise and anti-clockwise rotation</li> <li>Suitable for cordless machines up to a maximum of 100 Nm</li> <li>Suitable only for Metabo BS 14.4 LT Quick, BS 18 LT Quick ( from year of construction 02/2013)</li> </ul>	6.27077*
<p><b>NEW</b></p>  <p><b>Quick change angle adapter PowerMaxx BS Quick</b></p> <ul style="list-style-type: none"> <li>For fixing screws more easily at locations difficult to reach</li> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>Suitable for clockwise and anti-clockwise rotation; up to max. 28 Nm</li> <li>Especially for PowerMaxx BS Quick (type no. 6.00156; 6.00157)</li> </ul>	6.27261*
<p><b>Accessories for PowerGrip/PowerMaxx</b></p>  <p><b>Screw-type angle attachment for PowerMaxx</b></p> <ul style="list-style-type: none"> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>For clockwise and anticlockwise rotation; suitable for PowerMaxx to a maximum of 16 Nm</li> </ul> <p>For fixing screws more easily at locations difficult to reach Specially for PowerMaxx (7.2V)</p>	6.30650*

\* Self-service packaging

	Order no.
 <p><b>Geared chuck</b></p> <ul style="list-style-type: none"> <li>With hexagonal shank 1/4" (6.35 mm), bit retaining bush and chuck key</li> <li>Span width = 0.5-6.5 mm</li> </ul>	6.35100*
 <p><b>Adapter</b></p> <ul style="list-style-type: none"> <li>Adapter with hexagonal shank KW 6.3 and 1/2"-20 UNF</li> <li>For use in a chuck (e.g. 6.36623) in the screw-type angle attachment for the PowerMaxx 6.30650</li> </ul> <p>For use in a chuck in combination with the screw-type angle attachment. Thus allowing the PowerMaxx Li to also be used as an angle drill.</p>	6.25226*
 <p><b>Screw-type angle attachment for PowerMaxx 12</b></p> <ul style="list-style-type: none"> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>For clockwise and anticlockwise rotation; suitable for PowerMaxx to a maximum of 28 Nm</li> </ul> <p>For fixing screws more easily at locations difficult to reach Especially for PowerMaxx 12/ BS (type no. 6.00090; 6.00091; 6.00092)</p>	6.30649*
 <p><b>Quick-action keyless chuck Futuro Plus H1, R+L, 1-10 mm, 1/2" UNF</b></p> <ul style="list-style-type: none"> <li>Special design for drills with spindle stop</li> <li>Plastic sleeve</li> <li>1-sleeve without supporting ring, span: 1-10 mm</li> </ul> <p>Female thread: 1/2" - 20 UNF</p>	6.36219*

### Accessories for Cordless Cartridge Gun

Cartridge Tube		Order no.
 <p><b>400 ml cartridge tube</b></p> <ul style="list-style-type: none"> <li>Cartridge tube 400 ml incl. rack and push plate for standard foil bags and cartridges</li> </ul>	6.30148*	

### Accessories for the cordless site spotlight

Tripod		Order no.
 <p><b>Tripod for cordless site spotlight</b></p> <ul style="list-style-type: none"> <li>Telescopic legs with quick-locking mechanism and additional central telescopic extension. (working height from 85 cm to 173 cm).</li> <li>Stable support thanks to non-slip rubberised feet, tripod feet secured together with chains</li> <li>Easy to transport thanks to carry strap and bag</li> <li>With 5/8" tripod thread</li> </ul>	6.23729	

### Accessories for PowerCutter

Blades		Order no.
 <p><b>Double-sided blades</b></p> <ul style="list-style-type: none"> <li>Blades with either three double-sided cutters</li> <li>Blades completely resharpenable</li> </ul>	6.24579*	



# Angle Grinders Angle Polishers

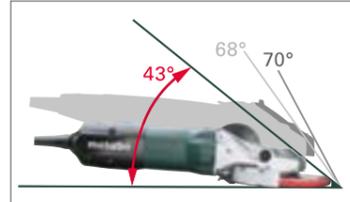
# Flat-head Angle Grinder: Continues where others stop

Thanks to its extraordinarily flat gear housing, the world's first flat-head angle grinder is the absolute specialist for confined spaces. Using the new grinder you can process weld seams in angles down to 43 degrees without any problems. You can work significantly faster than with wire brushes, die grinders or compressed air chisels. Improvised or even dangerous solutions are a thing of the past. We can offer you maximum productivity, speed and safety in confined spaces with the flat-head angle grinder.

**MARATHON  
MOTOR**

**Low-fatigue operation**  
even at weld seams during  
out-of-position welding thanks  
to slim handle

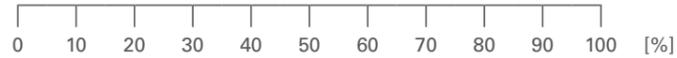
**Metabo Marathon-Motor**  
with patented dust protection  
for long service life



**Patented gear design**  
permits working  
at acute angles down  
to 43°



**Increased productivity**  
up to 66% time saving



**Die Grinder**

**34%**

**Flat-head Angle Grinder**

Comparison of required working time for stripping slag at 50 cm fillet  
weld in 45° steel elbow

**WEF 9-125**



**Metabo Convex grinding discs**  
We have developed precisely adapted  
accessories for even better finished  
results for particular applications.



Ø 125 mm



**Technical Data**

	<b>Flat-head Angle Grinder WEF 9-125 Quick</b>	<b>Flat-head Angle Grinder WEPF 9-125 Quick</b>
Minimum accessible angle	43 °	43 °
Minimum accessible gap (hxd)	66 x 110 mm	66 x 110 mm
Grinding disc Ø	125 mm	125 mm
Rated input power	910 W	910 W
Output power	430 W	430 W
No-load speed	10,000 /min	10,000 /min
Speed at rated load	8,200 /min	8,200 /min
Torque	2 Nm	2 Nm
Spindle thread	M 14	M 14
Weight without mains cable	2.1 kg	2.1 kg
Cable length	4 m	4 m

**Scope of delivery**

Order no.	<b>6.13060</b> <sup>1) 2)</sup>	<b>6.13069</b> <sup>1)</sup> available from autumn 2014
1 Lamellar Grinding Disc Flexiamant Super Convex (125mm; P60)	■	■
Guard	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side handle	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated switch
- Extremely flat gear head permits working at acute angles down to 43°
- Compact design for quick removal of welding slag, rust or paint in tight places e.g. frame constructions
- Low-fatigue working even at weld seams during out-of-position welding thanks to slim handle
- Metabo Marathon-Motor with patented dust protection for long service life
- Constamatic (C)-Full Wave Electronics: fast work progress thanks to almost constant speed under load
- Metabo "Quick" for changing discs by means of quick-locking nut
- Tool-free adjustable guard; twist-proof
- Electronic safety shutdown of the motor for safer working if the disc jams
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- Restart protection: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor

**The flat-head angle grinder permits you to work...**



... faster than with wire brushes



... faster than with die grinders



... safer than without Guard

**System components**

75 → Accessories



Ø 125 mm



Technical Data

Cordless Flat-head Angle Grinder WF 18 LTX 125 Quick

Battery pack type	Li-Ion
Battery pack voltage	18 V
Minimum accessible angle	43 °
Minimum accessible gap (hxd)	66 x 110 mm
Grinding disc Ø	125 mm
No-load speed	8,000 /min
Spindle thread	M 14
Weight (with battery pack)	2.4 kg

Scope of delivery

Order no.	6.01306 <sup>1)</sup>
Guard	■
Inner Support Flange	■
Quick Adjusting Nut	■
Side Handle	■
Dust Filter	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Quick Charger ASC 30-36 V	■
Plastic Carry Case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Extremely flat gear head permits working at acute angles down to 43°
- Compact design for quick removal of welding slag, rust or paint in tight places e.g. frame constructions
- Low-fatigue working even at weld seams during out-of-position welding thanks to slim handle
- Robust motor for long service life
- Metabo "Quick" for changing discs by means of quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

System components

75, 113 → Accessories

66 → Battery Packs

Lamellar Grinding Discs

	Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
<p><b>NEW</b></p> 						
<p><b>NEW</b></p> 						
	125 x 22.23	P 60		12,200	1/10	6.26460
	125 x 22.23	P 80		12,200	1/10	6.26461
	125 x 22.23	P 40		12,200	1/10	6.26462
	125 x 22.23	P 60		12,200	1/10	6.26463
	125 x 22.23	P 80		12,200	1/10	6.26464

Flap Sanding Wheel

	Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
<p><b>NEW</b></p> 						
	125 x 8 x M 14	P 40		10,000	1/5	6.26470
	125 x 8 x M 14	P 60		10,000	1/5	6.26471
	125 x 8 x 5/8"	P 40		10,000	1/5	6.26486
	125 x 8 x 5/8"	P 60		10,000	1/5	6.26487

Fleece Compact Grinding Disc »Unitized« - VKS ZK

<p><b>NEW</b></p> 						
	Diameter x thickness x bore hole mm	Grit			Sales unit / packaging unit	Order no.
	125 x 6 x 22.23	coarse			1/5	6.26482
	125 x 6 x 22.23	medium			1/5	6.26483

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Ø 115 mm  
Ø 125 mm



NEW

Technical Data	Cordless Angle Grinder W 18 LTX 115 Quick	Cordless Angle Grinder W 18 LTX 125 Quick	Cordless Angle Grinder WP 18 LTX 125 Quick
Battery pack type	Li-Ion	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V	18 V
Grinding disc Ø	115 mm	125 mm	125 mm
No-load speed	8,000 /min	8,000 /min	8,000 /min
Spindle thread	M 14	M 14	M 14
Weight (with battery pack)	2.4 kg	2.4 kg	2.4 kg

Scope of delivery

Order no.	6.02170 <sup>1)</sup>	6.02174	6.13072
Guard	■	■	■
Inner Support Flange	■	■	■
Quick Adjusting Nut	■	■	■
Side Handle	■	■	■
Dust Filter	■	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)		■	■
»AIR COOLED« Quick Charger ASC 30-36 V		■	■
Plastic Carry Case		■	■
without battery, without charger	■		

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Slim design for prolonged comfort when working overhead or in areas with limited space
- Robust motor for long service life
- Metabo "Quick" for changing discs by means of quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- Restart protection: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated switch

System Components

113 → Accessories | 66 → Battery Packs

Ø 125 mm  
Ø 150 mm



Technical Data	Cordless Angle Grinder W 18 LTX 125 Quick Inox	Cordless Angle Grinder W 18 LTX 150 Quick
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
Grinding disc Ø	125 mm	150 mm
No-load speed	5,000 /min	8,000 /min
Spindle thread	M 14	M 14
Weight (with battery pack)	2.4 kg	2.4 kg

Scope of delivery

Order no.	6.00174.85 <sup>1)</sup>	6.00404 <sup>1)</sup>
Cutting Guard Clip		■
Guard	■	■
2 Flexiarapid Inox Cutting Discs (150x1.6x22.2 mm)		■
Inner Support Flange	■	■
Quick Adjusting Nut	■	■
Side Handle	■	■
Dust Filter	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)		■
»AIR COOLED« Quick Charger ASC 30-36 V		■
Plastic Carry Case		■
without battery, without charger	■	

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Speed and torque configured precisely for stainless steel processing ensuring a cool grinding action with perfect finish
- Cordless angle grinder with highest stock removal and most cuts per battery charge with 5.2 Ah
- World's first 150 mm cordless angle grinder for powerful cutting up to 45 mm deep.
- Slim design for prolonged comfort when working overhead or in areas with limited space
- Robust motor for long service life
- Metabo "Quick" for changing discs by means of quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- Restart protection: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

System Components

113 → Accessories | 66 → Battery Packs

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# Overview of application areas and product benefits

Image	Designation	Rated input power	Special product advantages			Designation	Equipment												
			Ø 150 mm from page 100	Ø 180 mm from page 105	Ø 230 mm from page 110		Marathon-Motor	Adjustable quick-change guard	MVT side handle	MVT damping system	Soft start / starting current limitation	Restart protection	Overload protection	Electronic safety shutdown	Quick Adjusting Nut	Integrated auto-balancer	Dead man function		
<b>Compact large angle grinder for low-fatigue cutting and roughing jobs, particularly overhead</b>																			
	W 17-1....	1,700 W	■	■		W 17-1....	■	■	■										■
	WX 17-1....	1,700 W	■	■		WX 17-1....	■	■	■		■	■							
<b>Powerful and high-torque angle grinder for heavy cutting and roughing jobs</b>																			
	W 22-..... MVT	2,200 W		■	■	W 22-..... MVT	■	■	■	■									■
	WE 22-..... MVT	2,200 W		■	■	WE 22-..... MVT	■	■	■	■	■	■	■	■					
	WE 22-..... MVT Quick	2,200 W			■	WE 22-..... MVT Quick	■	■	■	■	■	■	■	■	■				
	W 24-..... MVT	2,400 W		■	■	W 24-..... MVT	■	■	■	■									■
	WE 24-..... MVT	2,400 W		■	■	WE 24-..... MVT	■	■	■	■	■	■	■	■					
	WE 24-..... MVT Quick	2,400 W			■	WE 24-..... MVT Quick	■	■	■	■	■	■	■	■	■				
	WEA 24-..... MVT Quick	2,400 W		■	■	Particularly low vibration	WEA 24-..... MVT Quick	■	■	■	■	■	■	■	■	■		■	
<b>Extremely powerful and high-torque angle grinder for heavy cutting and roughing jobs</b>																			
	W 26-..... MVT	2,600 W		■	■	W 26-..... MVT	■	■	■	■									■
	WE 26-..... MVT Quick	2,600 W			■	WE 26-..... MVT Quick	■	■	■	■	■	■	■	■	■				
	WEA 26-..... MVT Quick	2,600 W			■	Particularly low vibration	WEA 26-..... MVT Quick	■	■	■	■	■	■	■	■	■		■	



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# The new compact angle grinders: Full performance with reduced handle circumference

We listened closely to the needs of demanding users. From now on you will define the limit - not your tool. Don't be afraid to challenge our new power packs from 900 to 1,700 Watt: Our new angle grinders go on and on, bring out the best in you and enthuse with their ergonomics. Maximum power has never been this compact.



**Metabo S-automatic safety clutch:** direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades



**Now even faster: Metabo Quick-System** for tool-free disc change at the touch of a button by means of quick flange nut



**New, patent-pending Metabo Marathon-Motor with:**

- up to 50% more torque,
- up to 20% more max. output power and
- up to 20% higher overload capacity

for quicker material removal and longer service life in extreme applications



**Best anti-vibration system: integrated Autobalancer for**

- up to 50% less hand-arm vibrations,
- longer service life of the machine and
- up to twice the service life of the grinding discs

**Metabo VibraTech (MVT) handle vibration damping** for convenient continuous operation



**Fastest brake system for highest user protection:**

- patented, mechanical disc brake stops the disc after switching off within 2 seconds, even in the event of a power cut



**Compact perfection**

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch



WEPBA 17-125 Quick



**Rear suction vents** prevent unintentional covering for longer service life

**Carabiner securing** for safe transport (WEPBA only)



**Gear housing can be oriented at 90° steps** for left-handed operation or for cutting



**Accessory multiple position bar:** Permits infinite adjustment of the side handle for ergonomic, low-fatigue working e.g. for cutting jobs, left-handed users or in confined spaces

# The new Metabo Marathon-Motor: High-performance for demanding applications

Best conditions for new, common top performances: The new patent-pending Marathon-Motor exceeds known limits in extreme applications in terms of power, productivity and service life. With up to 1,700 Watt and up to 20% more maximum output power it goes on without interruption where others stay behind: Redefining limits.



## Developed for long service life in extreme applications

**Up to 20% higher overload capacity thanks to new ventilation technology:**

- Turbo fans accelerate the cooling air to up to 400 km/h.
- Flow-optimised dust protection basket
- Rear suction vents prevent unintentional covering for longer service life

**Increased robustness by virtue of additional protection against aggressive dusts:**

- Flow-optimised dust protection basket accelerates dust particles from the machine
- New epoxy resin powder at the field coil
- 30% more abrasion protection resin at the rotor winding



## For delightful productivity

**Constant high speeds under load for quickest material removal**

- by virtue of increased rotor diameter for optimum leverage force and **up to 50% more torque**
- by virtue of new ventilation technology for strongly reduced average motor temperatures and **up to 20% more max. output power**

## For perfect ergonomics and control

**New patented field coil technology permits more power in reduced design**

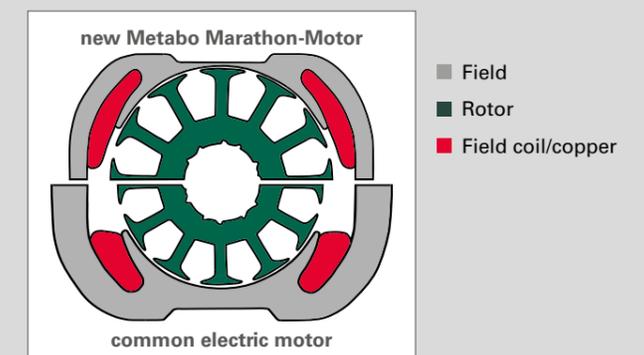
- for highest power density in any class
- for low-fatigue and safe working
- for the **first 1,700 Watt angle grinder** with the power of a large grinder and the **compactness of a small one**

## Maximum power with perfect ergonomics

In the past, more performance was only possible with an unwieldy, large motor by means of copper and iron. The new patented field coil technology permits to fill with copper unused cavities in electric motors.

## Full performance with reduced handle circumference

## Cross section electric motor



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Ø 100 mm



NEW



Technical Data	Angle Grinder W 720-100	Angle Grinder W 9-100
Grinding disc Ø	100 mm	100 mm
Rated input power	720 W	900 W
Output power	430 W	550 W
No-load speed	11,000 /min	10,500 /min
Speed at rated load	7,000 /min	7,500 /min
Torque	1.6 Nm	2.5 Nm
Spindle thread	M 10	M 10
Weight without mains cable	1.8 kg	2 kg
Cable length	2.6 m	2.5 m

Scope of delivery	6.06731	6.00350
Order no.		
Guard	■	■
Inner Support Flange	■	■
Nut with Two Holes	■	■
Side Handle	■	■
Flat-pin Spanner	■	■

- Product Advantages**
- Robust motor
  - Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
  - New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Tool-free adjustable guard; twist-proof
  - Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
  - Gear housing can be oriented at 90° steps for left-handed operation or for cutting
  - Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

Ø 115 mm



Technical Data	Angle Grinder W 720-115	Angle Grinder W 820-115	Angle Grinder WP 820-115
Grinding disc Ø	115 mm	115 mm	115 mm
Rated input power	720 W	820 W	820 W
Output power	430 W	510 W	510 W
No-load speed	11,000 /min	11,000 /min	11,000 /min
Speed at rated load	7,000 /min	7,000 /min	7,000 /min
Torque	1.6 Nm	1.6 Nm	1.6 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	1.8 kg	2 kg	1.9 kg
Cable length	2.6 m	2.6 m	2.6 m

Scope of delivery	6.06725 <sup>1) 2)</sup>	6.06727 <sup>1)</sup>	6.06729 <sup>1) 2)</sup>
Order no.			
Guard	■	■	■
Inner Support Flange	■	■	■
Nut with Two Holes	■	■	■
Side Handle	■	■	■
Flat-pin Spanner	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

- Product Advantages**
- Robust motor
  - Auto-stop carbon brushes to protect the motor
  - Paddle switch with dead man function: Safe to operate due to an ergonomically integrated switch

System Components

113 → Accessories

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Ø 115 mm



Technical Data	Angle Grinder W 9-115	Angle Grinder W 9-115 Quick	Angle Grinder WP 9-115 Quick
Grinding disc Ø	115 mm	115 mm	115 mm
Rated input power	900 W	900 W	900 W
Output power	550 W	550 W	550 W
No-load speed	10,500 /min	10,500 /min	10,500 /min
Speed at rated load	7,500 /min	7,500 /min	7,500 /min
Torque	2.5 Nm	2.5 Nm	2.5 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	2.1 kg	2.1 kg	2.1 kg
Cable length	2.5 m	4 m	4 m

Scope of delivery

Order no.	6.00354 <sup>1) 2)</sup>	6.00371 <sup>1)</sup>	6.00380 <sup>1)</sup> available from autumn 2014
Guard	■	■	■
Inner Support Flange	■	■	■
Nut with Two Holes	■		
Quick Flange Nut		■	■
Side Handle	■	■	■
Flat-pin Spanner	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tool-free adjustable guard; twist-proof
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories



Ø 115 mm



Technical Data	Angle Grinder W 1080-115	Angle Grinder WP 12-115 Quick
Grinding disc Ø	115 mm	115 mm
Rated input power	1,080 W	1,250 W
Output power	650 W	780 W
No-load speed	10,500 /min	11,000 /min
Speed at rated load	7,000 /min	8,000 /min
Torque	3 Nm	3.4 Nm
Spindle thread	M 14	M 14
Weight without mains cable	2.1 kg	2.4 kg
Cable length	2.6 m	4 m

Scope of delivery

Order no.	6.06721 <sup>1) 2)</sup>	6.00410 <sup>1)</sup> available from autumn 2014
Guard	■	■
Inner Support Flange	■	■
Nut with two holes	■	
Quick Flange Nut		■
Side handle	■	
Side Handle Metabo VibraTech (MVT)		■
Flat-pin Spanner	■	

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Robust motor
- Auto-stop carbon brushes to protect the motor
- Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side Handle Metabo VibraTech (MVT)
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Gear housing can be mounted rotating at 90°
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

Ø 125 mm



Technical Data	Angle Grinder W 720-125	Angle Grinder W 820-125	Angle Grinder WP 820-125
Grinding disc Ø	125 mm	125 mm	125 mm
Rated input power	720 W	820 W	820 W
Output power	430 W	510 W	510 W
No-load speed	10,000 /min	10,000 /min	10,000 /min
Speed at rated load	6,500 /min	6,500 /min	6,500 /min
Torque	1.8 Nm	1.8 Nm	1.8 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	1.8 kg	2 kg	1.9 kg
Cable length	2.6 m	2.6 m	2.6 m

Scope of delivery	6.06726	6.06728 <sup>1)</sup>	6.06730 <sup>1)</sup>
Guard	■	■	■
Inner Support Flange	■	■	■
Nut with Two Holes	■	■	■
Side Handle	■	■	■
Flat-pin Spanner	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Robust motor
- Auto-stop carbon brushes to protect the motor
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated switch

**System Components**

113 → Accessories

Ø 125 mm



Technical Data	Angle Grinder W 9-125	Angle Grinder W 9-125 Quick	Angle Grinder WP 9-125 Quick
Grinding disc Ø	125 mm	125 mm	125 mm
Rated input power	900 W	900 W	900 W
Output power	550 W	550 W	550 W
No-load speed	10,500 /min	10,500 /min	10,500 /min
Speed at rated load	7,500 /min	7,500 /min	7,500 /min
Torque	2.5 Nm	2.5 Nm	2.5 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	2.1 kg	2.1 kg	2.1 kg
Cable length	2.5 m	4 m	4 m

Scope of delivery	6.00376 <sup>1)</sup>	6.00374 <sup>1)</sup>	6.00384 <sup>1)2)</sup> available from autumn 2014
Guard	■	■	■
Inner Support Flange	■	■	■
Nut with Two Holes	■	■	■
Quick Flange Nut		■	■
Side Handle	■	■	■
Flat-pin Spanner	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tool-free adjustable guard; twist-proof
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

**System Components**

113 → Accessories

NEW



Ø 125 mm



Technical Data	Angle Grinder WEV 10-125 Quick
Grinding disc Ø	125 mm
Rated input power	1,000 W
Output power	590 W
No-load speed	2,800 - 10,500 /min
Speed at rated load	8,800 /min
Torque	2.7 Nm
Spindle thread	M 14
Weight without mains cable	2.1 kg
Cable length	4 m

Scope of delivery	
Order no.	6.00388 <sup>1) 2)</sup>
Guard	■
Inner Support Flange	■
Quick Flange Nut	■
Side Handle	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Low fatigue as never before: compact angle grinder with adjustable speed and smallest handle circumference in its class for perfect ergonomics
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Vario-Constamatic (VC)-Full Wave Electronics with thumbwheel for working with customised speeds for the materials used that remain almost constant under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

**System Components**

113 → Accessories



Ø 125 mm



Technical Data	Angle Grinder W 1080-125	Angle Grinder W 1080-125 RT
Grinding disc Ø	125 mm	125 mm
Rated input power	1,080 W	1,080 W
Output power	650 W	650 W
No-load speed	10,500 /min	9,500 /min
Speed at rated load	7,000 /min	5,700 /min
Torque	3 Nm	3 Nm
Spindle thread	M 14	M 14
Weight without mains cable	2.1 kg	2.4 kg
Cable Length	2.6 m	2.6 m

Scope of delivery		
Order no.	6.06722 <sup>1) 2)</sup>	6.06724 <sup>1)</sup>
Guard	■	■
Inner Support Flange	■	■
Nut with Two Holes	■	■
Side Handle	■	■
Flat-pin Spanner	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Ergonomic anti-slip handle for safe and fatigue-free working in particular overhead
- Robust motor
- Auto-stop carbon brushes to protect the motor

**System Components**

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Ø 125 mm



Technical Data	Angle Grinder W 12-125 Quick	Angle Grinder WP 12-125 Quick	Angle Grinder WPB 12-125 Quick
Grinding disc Ø	125 mm	125 mm	125 mm
Rated input power	1,250 W	1,250 W	1,250 W
Output power	780 W	780 W	780 W
No-load speed	11,000 /min	11,000 /min	11,000 /min
Speed at rated load	8,000 /min	8,000 /min	8,000 /min
Torque	3.4 Nm	3.4 Nm	3.4 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	2.4 kg	2.4 kg	2.6 kg
Cable length	4 m	4 m	4 m

Scope of delivery	6.00398 <sup>1) 2)</sup>	6.00414 available from autumn 2014	6.00428 <sup>1)</sup> available from autumn 2014
Guard	■	■	■
Inner Support Flange	■	■	■
Quick Flange Nut	■	■	■
Side Handle Metabo VibraTech (MVT)	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

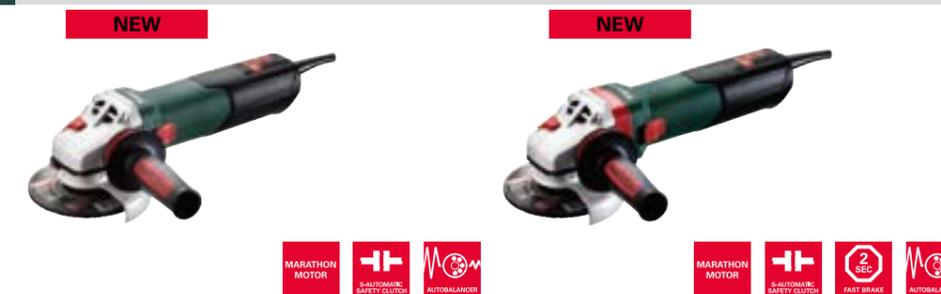
**Product Advantages**

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc after switching off within 2 seconds, even in the event of a power cut
- Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

**System Components**

113 → Accessories

Ø 125 mm



Technical Data	Angle Grinder WA 12-125 Quick	Angle Grinder WBA 12-125 Quick
Grinding disc Ø	125 mm	125 mm
Rated input power	1,250 W	1,250 W
Output power	780 W	780 W
No-load speed	11,000 /min	11,000 /min
Speed at rated load	8,000 /min	8,000 /min
Torque	3.4 Nm	3.4 Nm
Spindle thread	M 14	M 14
Weight without mains cable	2.4 kg	2.6 kg
Cable length	4 m	4 m

Scope of delivery	6.00422 <sup>1) 2)</sup> available from autumn 2014	6.00436 available from autumn 2014
Guard	■	■
Inner Support Flange	■	■
Quick Flange Nut	■	■
Side Handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc after switching off within 2 seconds, even in the event of a power cut
- Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

**System Components**

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Ø 125 mm

**Technical Data**

**Angle Grinder  
WE 1450-125 RT**

Grinding disc Ø	125 mm
Rated input power	1,450 W
Output power	870 W
No-load speed	9,000 /min
Speed at rated load	6,500 /min
Torque	5 Nm
Spindle thread	M 14
Weight without mains cable	2.4 kg
Cable Length	2.6 m

**Scope of delivery**

Order no.	6.00680 <sup>1)</sup>
Guard	■
Inner Support Flange	■
Nut with Two Holes	■
Side Handle	■
Flat-pin Spanner	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Ergonomic anti-slip handle for safe and fatigue-free working in particular overhead
- Robust motor
- Constamatic (C)-Full Wave Electronics: fast work progress thanks to almost constant speed under load
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor

**System Components**

113 → Accessories



Ø 125 mm

**Technical Data**

**Angle Grinder  
WE 15-125 Quick**

**Angle Grinder  
WEP 15-125 Quick**

**Angle Grinder  
WEA 15-125 Quick**

Grinding disc Ø	125 mm	125 mm	125 mm
Rated input power	1,550 W	1,550 W	1,550 W
Output power	940 W	940 W	940 W
No-load speed	11,000 /min	11,000 /min	11,000 /min
Speed at rated load	11,000 /min	11,000 /min	11,000 /min
Torque	3.5 Nm	3.5 Nm	3.5 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	2.5 kg	2.5 kg	2.5 kg
Cable length	4 m	4 m	4 m

**Scope of delivery**

Order no.	6.00448 <sup>2)</sup>	6.00476 <sup>1) 2)</sup> available from autumn 2014	6.00492 <sup>2)</sup> available from autumn 2014
Guard	■	■	■
Inner Support Flange	■	■	■
Quick Flange Nut	■	■	■
Side Handle Metabo VibraTech (MVT)	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Highest service life for extreme applications: robust, powerful angle grinder with greatest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress thanks to constant speed under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

**System Components**

113 → Accessories

NEW



NEW



Ø 125 mm

Technical Data

Angle Grinder  
WEV 15-125 Quick

Grinding disc Ø	125 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	2,800 - 11,000 /min
Speed at rated load	11,000 /min
Torque	3.5 Nm
Spindle thread	M 14
Weight without mains cable	2.5 kg
Cable length	4 m

Angle Grinder  
WEVA 15-125 Quick

Grinding disc Ø	125 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	2,800 - 11,000 /min
Speed at rated load	11,000 /min
Torque	3.5 Nm
Spindle thread	M 14
Weight without mains cable	2.5 kg
Cable length	4 m

Scope of delivery

Order no.	6.00468 <sup>1)</sup>	6.00496 available from autumn 2014
Guard	■	■
Inner Support Flange	■	■
Quick Flange Nut	■	■
Side Handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Highest service life for extreme applications: robust, powerful angle grinder with speed control and greatest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

NEW



NEW



Ø 125 mm

Technical Data

Angle Grinder  
WEV 15-125 Quick HT

Grinding disc Ø	125 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	2,800 - 9,600 /min
Speed at rated load	9,600 /min
Torque	4.2 Nm
Spindle thread	M 14
Weight without mains cable	2.5 kg
Cable length	4 m

Grinding disc Ø	125 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	2,000 - 7,600 /min
Speed at rated load	7,600 /min
Torque	5.0 Nm
Spindle thread	M 14
Weight without mains cable	2.5 kg
Cable length	4 m

Scope of delivery

Order no.	6.00562 <sup>1)</sup>	6.00572 <sup>1)</sup>
Guard	■	■
Inner Support Flange	■	■
Quick Flange Nut	■	■
Side Handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Optimum processing of stone: robust, powerful angle grinder with gear reduction and reduced, adjustable speed for material-friendly working
- Perfect processing of stainless steel: robust, powerful angle grinder with high gear reduction and highly reduced, adjustable speed for cool finish
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

NEW



NEW



Ø 125 mm



## Technical Data

Angle Grinder  
WEA 17-125 Quick

Grinding disc Ø	125 mm	125 mm
Rated input power	1,700 W	1,700 W
Output power	1,040 W	1,040 W
No-load speed	11,000 /min	11,000 /min
Speed at rated load	11,000 /min	11,000 /min
Torque	3.7 Nm	3.7 Nm
Spindle thread	M 14	M 14
Weight without mains cable	2.5 kg	2.7 kg
Cable length	4 m	4 m

## Scope of delivery

Order no.	6.00534 <sup>2)</sup>	6.00514 available from autumn 2014
Guard	■	■
Inner Support Flange	■	■
Quick Flange Nut	■	■
Side Handle Metabo VibraTech (MVT)	■	■

<sup>2)</sup> also available in 110 V (UK)

## Product Advantages

- Maximum productivity: first 1,700 Watt angle grinder with the power of a large grinder and the compactness of a small one for quickest material removal for industrial applications
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress thanks to constant speed under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

## System Components

113 → Accessories

NEW



Ø 125 mm



## Technical Data

Angle Grinder  
WEPBA 17-125 Quick

Grinding disc Ø	125 mm
Rated input power	1,700 W
Output power	1,040 W
No-load speed	11,000 /min
Speed at rated load	11,000 /min
Torque	3.7 Nm
Spindle thread	M 14
Weight without mains cable	2.7 kg
Cable length	4 m

## Scope of delivery

Order no.	6.00548 <sup>1) 2)</sup> available from autumn 2014
Guard	■
Inner Support Flange	■
Quick Flange Nut	■
Side Handle Metabo VibraTech (MVT)	■

<sup>1)</sup> also available in 120 V (North/Latin America)<sup>2)</sup> also available in 110 V (UK)

## Product Advantages

- Maximum productivity: first 1,700 Watt angle grinder with the power of a large grinder and the compactness of a small one for quickest material removal for industrial applications
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress thanks to constant speed under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc after switching off within 2 seconds, even in the event of a power cut
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor
- Carabiner securing for safe transport

## System Components

113 → Accessories

NEW



NEW



NEW



Ø 150 mm

Technical Data	Angle Grinder W 12-150 Quick	Angle Grinder WP 12-150 Quick	Angle Grinder WPB 12-150 Quick
Grinding disc Ø	150 mm	150 mm	150 mm
Rated input power	1,250 W	1,250 W	1,250 W
Output power	780 W	780 W	780 W
No-load speed	9,600 /min	9,600 /min	9,600 /min
Speed at rated load	7,000 /min	7,000 /min	7,000 /min
Torque	3.8 Nm	3.8 Nm	3.8 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	2.5 kg	2.5 kg	2.7 kg
Cable length	4 m	4 m	4 m

## Scope of delivery

Order no.	6.00407 <sup>1) 2)</sup>	6.00418 <sup>1)</sup> available from autumn 2014	6.00432 <sup>1)</sup> available from autumn 2014
Guard	■	■	■
Inner Support Flange	■	■	■
Quick Flange Nut	■	■	■
Side Handle Metabo VibraTech (MVT)	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)<sup>2)</sup> also available in 110 V (UK)

## Product Advantages

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc after switching off within 2 seconds, even in the event of a power cut
- Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

## System Components

113 → Accessories

Ø 150 mm



Technical Data	Angle Grinder WE 1450-150 RT
Grinding disc Ø	150 mm
Rated input power	1,450 W
Output power	870 W
No-load speed	9,000 /min
Speed at rated load	6,500 /min
Torque	5 Nm
Spindle thread	M 14
Weight without mains cable	2.4 kg
Cable Length	2.6 m

## Scope of delivery

Order no.	6.00683 <sup>1)</sup>
Guard	■
Inner Support Flange	■
Nut with two holes	■
Side handle	■
Flat-pin Spanner	■

<sup>1)</sup> also available in 120 V (North/Latin America)

## Product Advantages

- Ergonomic anti-slip handle for safe and fatigue-free working in particular overhead
- Robust motor
- Constamatic (C)-Full Wave Electronics: fast work progress thanks to almost constant speed under load
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor
- Aluminium flange for long service life for heavy tools, e.g. diamond discs

## System Components

113 → Accessories

NEW



NEW



Ø 150 mm

Technical Data

Angle Grinder WE 15-150 Quick

Grinding disc Ø	150 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	9,600 /min
Speed at rated load	9,600 /min
Torque	3.9 Nm
Spindle thread	M 14
Weight without mains cable	2.6 kg
Cable length	4 m

Angle Grinder WEP 15-150 Quick

Grinding disc Ø	150 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	9,600 /min
Speed at rated load	9,600 /min
Torque	3.9 Nm
Spindle thread	M 14
Weight without mains cable	2.6 kg
Cable length	4 m

Scope of delivery

Order no.	6.00464 <sup>1) 2)</sup>	6.00488 <sup>1)</sup> available from autumn 2014
Guard	■	■
Inner Support Flange	■	■
Quick Flange Nut	■	■
Side Handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated switch
- Highest service life for extreme applications: robust, powerful angle grinder with greatest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress thanks to constant speed under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

NEW



NEW



Ø 150 mm

Technical Data

Angle Grinder WEV 15-150 Quick

Grinding disc Ø	150 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	2,800 - 9,600 /min
Speed at rated load	9,600 /min
Torque	3.9 Nm
Spindle thread	M 14
Weight without mains cable	2.6 kg
Cable length	4 m

Angle Grinder WEVA 15-150 Quick

Grinding disc Ø	150 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	2,800 - 9,600 /min
Speed at rated load	9,600 /min
Torque	3.9 Nm
Spindle thread	M 14
Weight without mains cable	2.6 kg
Cable length	4 m

Scope of delivery

Order no.	6.00472	6.00506 <sup>2)</sup> available from autumn 2014
Guard	■	■
Inner Support Flange	■	■
Quick Flange Nut	■	■
Side Handle Metabo VibraTech (MVT)	■	■

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Highest service life for extreme applications: robust, powerful angle grinder with greatest power density in its class for quick work progress
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

NEW



Ø 150 mm

Technical Data	Angle Grinder WEPBA 17-150 Quick
Grinding disc Ø	150 mm
Rated input power	1,700 W
Output power	1,040 W
No-load speed	9,600 /min
Speed at rated load	9,600 /min
Torque	4.3 Nm
Spindle thread	M 14
Weight without mains cable	2.8 kg
Cable length	4 m

Scope of delivery

Order no.	6.00552 <sup>1) 2)</sup> available from autumn 2014
Guard	■
Inner Support Flange	■
Quick Flange Nut	■
Side Handle Metabo VibraTech (MVT)	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Maximum productivity: first 1,700 Watt angle grinder with the power of a large grinder and the compactness of a small one for quickest material removal for industrial applications
- New, patent-pending Metabo Marathon-Motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress thanks to constant speed under load
- Now even faster: Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Best anti-vibration system: integrated AutoBalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc after switching off within 2 seconds, even in the event of a power cut
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the disc minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting
- Auto-stop carbon brushes to protect the motor
- Carabiner securing for safe transport

System Components

113 → Accessories

Ø 150 mm  
Ø 180 mm



Technical Data	Angle Grinder W 17-150	Angle Grinder WX 17-150	Angle Grinder W 17-180	Angle Grinder WX 17-180
Grinding disc Ø	150 mm	150 mm	180 mm	180 mm
Rated input power	1,700 W	1,700 W	1,700 W	1,700 W
Output power	980 W	980 W	980 W	980 W
No-load speed	10,000 /min	10,000 /min	8,500 /min	8,500 /min
Speed at rated load	7,300 /min	7,300 /min	5,700 /min	5,700 /min
Torque	5 Nm	5 Nm	6 Nm	6 Nm
Spindle thread	M 14	M 14	M 14	M 14
Weight without mains cable	3.8 kg	3.8 kg	3.9 kg	3.9 kg
Cable length	4 m	4 m	4 m	4 m

Scope of delivery

Order no.	6.00169	6.00170	6.00177	6.00179
Guard	■	■	■	■
Inner Support Flange	■	■	■	■
Nut with two holes	■	■	■	■
Side Handle Metabo VibraTech (MVT)	■	■	■	■
Flat-pin Spanner	■	■	■	■

Product Advantages

- No-volt release switch: prevents unintentional startup after power cut
- Starting current limitation prevents the actuation of the lock on start-up
- No-volt release switch: prevents unintentional startup after power cut
- Starting current limitation prevents the actuation of the lock on start-up
- Highest performance of its class
- Compact large angle grinder for low-fatigue working
- Metabo Marathon-Motor with patented dust protection for long service life
- Swivelling main handle: High safety and better handling when cutting
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
- Side handle can be mounted at three positions
- Metabo safety switch prevents unintentional start
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

# Large Angle Grinders: Powerful and Robust

Our new large angle grinders impress with even more powerful and high-torque Marathon-Motors and an even higher overload capacity. Functions such as the restart protection and the electronic safety switch-off reduce the risk of accidents. As both machine and user have to often endure long run periods on demanding applications, the grinders with their improved Metabo Marathon-Motors are even more robust and equipped with numerous comfort functions. The Autobalancer, the integrated damping system and the side handle reduce the vibrations to an absolute minimum.

**MARATHON MOTOR**  
Improved Metabo Marathon-Motor  
Even more robust and with higher overload capacity to withstand overload for up to 100% longer service life even in very demanding applications

**AUTOBALANCER**  
Auto balancer technology reduces vibration  
For minimal vibration and longer tool life of the grinding disc and machine

**QUICK**  
Metabo Quick  
Permits tool-less changing of discs by means of quick-locking nut



**Electronic safety shutdown**  
Immediately switches off the machine if the disc jams

**Rotating main handle**  
High safety and better handling when cutting

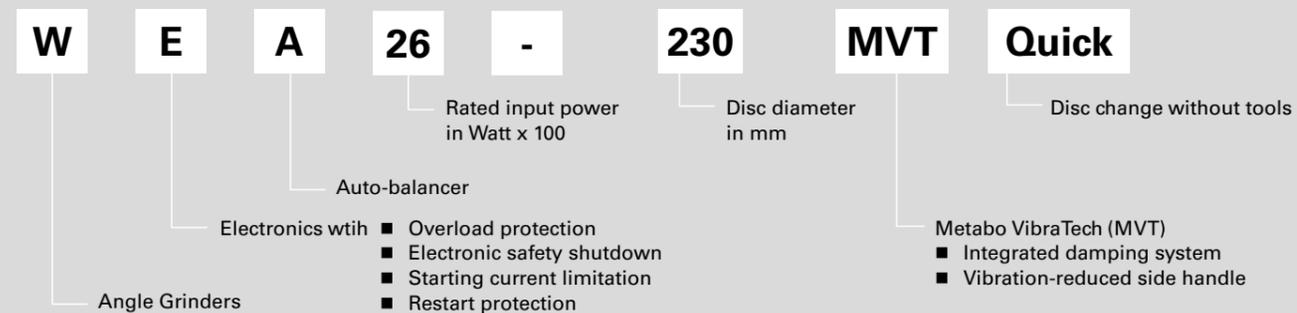
**Restart protection**  
Prevents unintentional startup after power cut

**MVT**  
Metabo VibraTech (MVT)  
Integrated damping system and side handle to reduce vibrations in order to protect the user's health

WEA 26-230 MVT Quick

## Highest level of performance, robustness and endurance thanks to improved Metabo Marathon-Motor

Using a new commutator technology, the service life of the motor was increased by up to 100% even in the most demanding applications, and the overload capacity was significantly increased at the same time. In order for you to find your way around our product codes easier in the future, we have adopted the same naming system for the new large angle grinders as we have for our new compact angle grinders:



NEW



NEW



Ø 180 mm

Technical Data	Angle Grinder W 22-180 MVT	Angle Grinder WE 22-180 MVT
Grinding disc Ø	180 mm	180 mm
Rated input power	2,200 W	2,200 W
Output power	1,500 W	1,500 W
No-load speed	8,500 /min	8,500 /min
Speed at rated load	5,800 /min	5,800 /min
Torque	11 Nm	11 Nm
Weight without mains cable	5.7 kg	5.7 kg
Cable length	4 m	4 m

Scope of delivery	6.06461 <sup>2)</sup> available from autumn 2014	6.06463 available from autumn 2014
Order no.	6.06461 <sup>2)</sup> available from autumn 2014	6.06463 available from autumn 2014
Guard	■	■
Inner Support Flange	■	■
Nut with two holes	■	■
Side Handle Metabo VibraTech (MVT)	■	■
Flat-pin Spanner	■	■

<sup>2)</sup> also available in 110 V (UK)

### Product Advantages

- Deadman switch for high user protection
- Starting current limitation with soft-start prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor for safer working if the disc jams
- Restart protection switch: prevents unintentional startup after power cut
- Electronic overload protection for long service life
- Metabo Marathon-Motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Side handle can be mounted at three positions
- Swivelling main handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

### System Components

113 → Accessories

NEW



**Angle Grinder  
W 24-180 MVT**

Ø 180 mm

**Technical Data**

Grinding disc Ø	180 mm
Rated input power	2,400 W
Output power	1,600 W
No-load speed	8,500 /min
Speed at rated load	5,800 /min
Torque	14 Nm
Weight without mains cable	5.7 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.06466 <sup>1)</sup> available from autumn 2014
Guard	■
Inner Support Flange	■
Nut with two holes	■
Side Handle Metabo VibraTech (MVT)	■
Flat-pin Spanner	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Metabo Marathon-Motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Side handle can be mounted at three positions
- Swivelling main handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

NEW



**Angle Grinder  
WE 24-180 MVT**

Grinding disc Ø	180 mm
Rated input power	2,400 W
Output power	1,600 W
No-load speed	8,500 /min
Speed at rated load	5,800 /min
Torque	14 Nm
Weight without mains cable	5.7 kg
Cable length	4 m

Order no.	6.06468 available from autumn 2014
Guard	■
Inner Support Flange	■
Nut with two holes	■
Side Handle Metabo VibraTech (MVT)	■
Flat-pin Spanner	■

- Starting current limitation with soft-start prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor for safer working if the disc jams
- No-volt release switch: prevents unintentional startup after power cut
- Electronic overload protection for long service life

NEW



**Angle Grinder  
WEA 24-180 MVT Quick**

Ø 180 mm

**Technical Data**

Grinding disc Ø	180 mm
Rated input power	2,400 W
Output power	1,600 W
No-load speed	8,500 /min
Speed at rated load	5,800 /min
Torque	14 Nm
Weight without mains cable	5.8 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.06471 available from autumn 2014
Guard	■
Inner Support Flange	■
Nut with two holes	■
Quick Adjusting Nut	■
Side Handle Metabo VibraTech (MVT)	■
Flat-pin Spanner	■

**Product Advantages**

- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Starting current limitation with soft-start prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor for safer working if the disc jams
- Restart protection: prevents unintentional startup after power cut
- Electronic overload protection for long service life
- Metabo "Quick" for changing discs by means of quick-locking nut
- Metabo Marathon-Motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Side handle can be mounted at three positions
- Swivelling main handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

NEW



**Angle Grinder  
W 26-180 MVT**

Grinding disc Ø	180 mm
Rated input power	2,600 W
Output power	1,800 W
No-load speed	8,500 /min
Speed at rated load	6,000 /min
Torque	17 Nm
Weight without mains cable	6.2 kg
Cable length	4 m

Order no.	6.06473 available from autumn 2014
Guard	■
Inner Support Flange	■
Nut with two holes	■
Side Handle Metabo VibraTech (MVT)	■
Flat-pin Spanner	■

- Deadman switch for high user protection

**System Components**

113 → Accessories

**System Components**

113 → Accessories

01  
02  
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NEW



NEW



NEW



Ø 230 mm



Technical Data	Angle Grinder W 22-230 MVT	Angle Grinder WE 22-230 MVT	Angle Grinder WE 22-230 MVT Quick
Grinding disc Ø	230 mm	230 mm	230 mm
Rated input power	2,200 W	2,200 W	2,200 W
Output power	1,500 W	1,500 W	1,500 W
No-load speed	6,600 /min	6,600 /min	6,600 /min
Speed at rated load	4,600 /min	4,600 /min	4,600 /min
Torque	14 Nm	14 Nm	14 Nm
Weight without mains cable	5.8 kg	5.8 kg	5.8 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order no.	6.06462 <sup>2)</sup> available from autumn 2014	6.06464 available from autumn 2014	6.06465 available from autumn 2014
Guard	■	■	■
Inner Support Flange	■	■	■
Nut with two holes	■	■	■
Quick Adjusting Nut			■
Side Handle Metabo VibraTech (MVT)	■	■	■
Flat-pin Spanner	■	■	■

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Deadman switch for high user protection
- Metabo "Quick" for changing discs by means of quick-locking nut
- Starting current limitation with soft-start prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor for safer working if the disc jams
- Restart protection: prevents unintentional startup after power cut
- Electronic overload protection for long service life
- Metabo Marathon-Motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Side handle can be mounted at three positions
- Swivelling main handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

NEW



NEW



NEW



NEW



Ø 230 mm



Technical Data	Angle Grinder W 24-230 MVT	Angle Grinder WE 24-230 MVT	Angle Grinder WE 24-230 MVT Quick	Angle Grinder WEA 24-230 MVT Quick
Grinding disc Ø	230 mm	230 mm	230 mm	230 mm
Rated input power	2,400 W	2,400 W	2,400 W	2,400 W
Output power	1,600 W	1,600 W	1,600 W	1,600 W
No-load speed	6,600 /min	6,600 /min	6,600 /min	6,600 /min
Speed at rated load	4,600 /min	4,600 /min	4,600 /min	4,600 /min
Torque	17 Nm	17 Nm	17 Nm	17 Nm
Weight without mains cable	5.8 kg	5.8 kg	5.8 kg	5.9 kg
Cable length	4 m	4 m	4 m	4 m

Scope of delivery

Order no.	6.06467 <sup>1)</sup> available from autumn 2014	6.06469 <sup>2)</sup> available from autumn 2014	6.06470 available from autumn 2014	6.06472 available from autumn 2014
Guard	■	■	■	■
Inner Support Flange	■	■	■	■
Nut with two holes	■	■	■	■
Quick Adjusting Nut			■	■
Side Handle Metabo VibraTech (MVT)	■	■	■	■
Flat-pin Spanner	■	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Deadman switch for high user protection
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Metabo "Quick" for changing discs by means of quick-locking nut
- Starting current limitation with soft-start prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor for safer working if the disc jams
- Restart protection: prevents unintentional startup after power cut
- Electronic overload protection for long service life
- Metabo MarathonMotor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Side handle can be mounted at three positions
- Swivelling main handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

System Components

113 → Accessories

NEW



NEW



NEW



Ø 230 mm



Technical Data	Angle Grinder W 26-230 MVT	Angle Grinder WE 26-230 MVT Quick	Angle Grinder WEA 26-230 MVT Quick
Grinding disc Ø	230 mm	230 mm	230 mm
Rated input power	2,600 W	2,600 W	2,600 W
Output power	1,800 W	1,800 W	1,800 W
No-load speed	6,600 /min	6,600 /min	6,600 /min
Speed at rated load	4,800 /min	4,800 /min	4,800 /min
Torque	18 Nm	18 Nm	18 Nm
Weight without mains cable	6.3 kg	6.3 kg	6.4 kg
Cable length	4 m	4 m	4 m

Scope of delivery	6.06474 <sup>1)</sup> available from autumn 2014	6.06475 available from autumn 2014	6.06476 available from autumn 2014
Guard	■	■	■
Inner Support Flange	■	■	■
Nut with two holes	■	■	■
Quick Adjusting Nut		■	■
Side Handle Metabo VibraTech (MVT)	■	■	■
Flat-pin Spanner	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Deadman switch for high user protection
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Starting current limitation with soft-start prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor for safer working if the disc jams
- Restart protection: prevents unintentional startup after power cut
- Electronic overload protection for long service life
- LED signal on triggered no-volt release switch or overheating
- Metabo "Quick" for changing discs by means of quick-locking nut
- Metabo Marathon-Motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Side handle can be mounted at three positions
- Swivelling main handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

**System Components**

113 → Accessories

# Cutting and grinding discs



**The Metabo quality classes at a glance**

**»Flexiarapid Super« Inox HydroResist – the super-thin high performance cutting disc**

Specially developed for all rust and acid-free steels such as V2A, Nirosta and INOX as well as spring steels and tool steels. Perfectly suited for working with stainless steel in car body and container fabrication. The benefits are lower-noise output, burr-free and precise cuts with low spark generation. Due to the use of specially formulated aluminium oxide abrasives, a long disc-life is obtained on jobs that are free of iron, sulphur and chlorine

**»Flexiarapid« Inox – the thin-one for stainless steel**

Especially for thin-walled materials such as pipes, sheets, profiles and wires. It displays a very good cutting performance with a long tool life and little wear. Thus enabling energy saving performance with low machine loads.

**»Novorapid« Inox – the basic quality**

Thin cutting disc for processing rust-free, thin-walled materials such as pipes, sheeting, profiles, wires etc. as well as for general metalworking and ensuring good cutting performance and life time.

**»Flexiamant Super« – the premium quality**

The super disc for extremely high cutting performance and long disc-life. The use of special corundums achieves the best results when using high performance angle grinders.

**»Flexiamant« – the standard quality**

This disc renders a specially balanced and high cutting performance and an extraordinary long disc life.

**»Novoflex« – the basic quality**

The medium strength disc. It impresses with good cutting speed / cutting output and a long service life.

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# The new generation of cutting and roughing discs »M-Calibur« for steel and stainless steel



**»M-Calibur« grinding discs with special ceramics abrasive grain technology and bonding for highest productivity and work progress in steel and stainless steel**



- Maximum number of cuts with the cutting disc »M-Calibur« (up to 3 times the service life)
- Extremely high cutting speed
- Maximum material removal with the roughing disc »M-Calibur« (up to 3x the removal than standard roughing discs)
- Extremely high material removal speed

### Highest safety standards

- Exceed the requirements of all relevant safety standards EN 12413, OSA

### Perfectly adjusted to the most powerful angle grinders

### Particularly wide range of application

- For all steel and stainless steel applications

## Cutting discs

### Cutting discs for hand-held angle grinders

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
<b>NEW</b>	<b>Quality class CA 46-U »M-Calibur« Inox</b>					
	<ul style="list-style-type: none"> <li>■ The latest generation of cutting discs with ceramic abrasive grain</li> <li>■ Maximum cutting performance with extremely high tool life thanks to using ceramic special corundum and new bonding</li> <li>■ Highest productivity and work progress</li> <li>■ Low in iron and sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), high-alloy steels, spring steels, tool steels.</li> </ul>					
	CA 46-U M-Calibur	115 x 1.6 x 22.23	—	13,300	1/25	6.16285
	CA 46-U M-Calibur	125 x 1.6 x 22.23	—	12,200	1/25	6.16286
	<b>Quality class A 30 »Novoflex« steel</b>					
	<ul style="list-style-type: none"> <li>■ Quality Novoflex: powerful entry-level class</li> <li>■ Hardness: medium-hard</li> <li>■ Universal use in metal processing</li> <li>■ Good cutting output with good tool life.</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 30 Novoflex	100 x 2.5 x 16	—	15,300	1/25	6.16446
	A 30 Novoflex	100 x 2.5 x 16	—	15,300	1/25	6.16447
	A 30 Novoflex	115 x 2.5 x 22.23	—	13,300	1/25	6.16442
	A 30 Novoflex	115 x 2.5 x 22.23	—	13,300	1/25	6.16454
	A 30 Novoflex	115 x 3 x 22.23	—	13,300	1/25	6.16420
	A 30 Novoflex	125 x 2.5 x 22.23	—	12,200	1/25	6.16444
	A 30 Novoflex	125 x 2.5 x 22.23	—	12,200	1/25	6.16456
	A 30 Novoflex	150 x 3 x 22.23	—	10,200	1/25	6.16448
	A 30 Novoflex	180 x 3 x 22.23	—	8,500	1/25	6.16450
	A 30 Novoflex	180 x 3 x 22.23	—	8,500	1/25	6.16457
	A 30 Novoflex	230 x 3 x 22.23	—	6,600	1/25	6.16452
	A 30 Novoflex	230 x 3 x 22.23	—	6,600	1/25	6.16477
<b>NEW</b>	<b>Quality class A 60-R »Novorapid« steel</b>					
	<ul style="list-style-type: none"> <li>■ Quality Novorapid: powerful entry-level class</li> <li>■ Thin cutting disc for general processing of metal, especially for thin-walled materials such as pipes, metal sheets, profiles, wires etc.</li> <li>■ Good cutting output with good tool life.</li> <li>■ Hardness: medium-hard</li> <li>■ Low material consumption, power-saving, low machine load</li> <li>■ Maximum working speed: 80 m/s</li> </ul>					
	A 60-R Novorapid	115 x 1 x 22.23	—	13,300	1/25	6.16505
	A 60-R Novorapid	125 x 1 x 22.23	—	12,200	1/25	6.16506
	A 60-R Novorapid	150 x 1.5 x 22.23	—	10,200	1/25	6.16507
	A 60-R Novorapid	180 x 1.5 x 22.23	—	8,500	1/25	6.16508
	A 60-R Novorapid	230 x 1.9 x 22.23	—	6,600	1/25	6.16509
	<b>Quality class A 30-R »Flexiamant« steel</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for complete metal processing</li> <li>■ Hardness: medium</li> <li>■ High cutting output with good tool life</li> <li>■ Uniform in cutting output and tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 30-R	100 x 2.5 x 16	—	15,300	1/25	6.16742
	A 30-R	115 x 2.5 x 22.23	—	13,300	1/25	6.16727
	A 30-R	115 x 2.5 x 22.23	—	13,300	1/25	6.16770
	A 30-R	125 x 2.5 x 22.23	—	12,200	1/25	6.16310
	A 30-R	125 x 2.5 x 22.23	—	12,200	1/25	6.16732
	A 30-R	150 x 3 x 22.23	—	10,200	1/25	6.16121
	A 30-R	150 x 3 x 22.23	—	10,200	1/25	6.16313
	A 30-R	180 x 3 x 22.23	—	8,500	1/25	6.16123
	A 30-R	180 x 3 x 22.23	—	8,500	1/25	6.16300
	A 30-R	230 x 3 x 22.23	—	6,600	1/25	6.16127
	A 30-R	230 x 3 x 22.23	—	6,600	1/25	6.16302

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	<b>Quality class A 36-T »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for complete metal processing</li> <li>■ Hardness: hard</li> <li>■ Extremely high cutting output with good tool life by using special corundums</li> <li>■ Best results on using powerful angle grinders</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 36-T	115 x 2 x 22.23		13,300	1/25	6.16100
	A 36-T	115 x 2 x 22.23		13,300	1/25	6.16105
	A 36-T	115 x 3 x 22.23		13,300	1/25	6.16104
	A 36-T	125 x 2 x 22.23		12,200	1/25	6.16101
	A 36-T	125 x 2 x 22.23		12,200	1/25	6.16107
	A 36-T	150 x 2 x 22.23		10,200	1/25	6.16109
	A 36-T	150 x 2 x 22.23		10,200	1/25	6.16119
	A 36-T	180 x 2 x 22.23		8,500	1/25	6.16102
	A 36-T	180 x 2 x 22.23		8,500	1/25	6.16111
	A 36-T	230 x 2.5 x 22.23		6,600	1/25	6.16103
	A 36-T	230 x 2.5 x 22.23		6,600	1/25	6.16115
	<b>Quality class A 60-T / A 46-T »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ Thin high output cutting disc especially for thin materials such as metal sheets, pipes, profiles, wires</li> <li>■ Hardness: hard</li> <li>■ Very high cutting output with good tool life</li> <li>■ Low material consumption, power-saving, low machine load</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 60-T	115 x 1 x 22.23		13,300	1/25	6.16188
	A 46-T	115 x 1.6 x 22.23		13,300	1/25	6.16191
	A 60-T	125 x 1 x 22.23		12,200	1/25	6.16189
A 46-T	125 x 1.6 x 22.23		12,200	1/25	6.16192	
	<b>Quality class A 46-T »Novorapid« Inox</b>					
	<ul style="list-style-type: none"> <li>■ Quality Novorapid: powerful entry-level class</li> <li>■ Thin cutting disc for processing rust-free, thin-walled materials such as pipes, sheeting, profiles, wires etc. as well as for general metalworking</li> <li>■ Good cutting output with good tool life.</li> <li>■ Hardness: hard</li> <li>■ Low material consumption, power-saving, low machine load</li> <li>■ Low in iron and sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ Maximum working speed: 80 m/s</li> </ul>					
	A 46-T Novorapid	115 x 1.0 x 22.23		13,300	1/25	6.16270
	A 46-T Novorapid	125 x 1.0 x 22.23		12,200	1/25	6.16271
	A 46-T Novorapid	180 x 1.5 x 22.23		8,600	1/25	6.16273
A 46-T Novorapid	230 x 1.9 x 22.23		6,600	1/25	6.16274	
	<b>Quality class A 30-P »Flexiamant« Inox</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for processing stainless steels</li> <li>■ Hardness: soft</li> <li>■ High cutting output with good tool life</li> <li>■ Low in iron and sulphur &lt; 0.1%</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 30-P	100 x 2.5 x 16		15,300	1/25	6.16744
	A 30-P	115 x 2.5 x 22.23		13,300	1/25	6.16737
	A 30-P	115 x 3 x 22.23		13,300	1/25	6.16741
	A 30-P	125 x 2.5 x 22.23		12,200	1/25	6.16738
	A 30-P	180 x 3 x 22.23		8,500	1/25	6.16163
A 30-P	180 x 3 x 22.23		8,500	1/25	6.16299	
A 30-P	230 x 3 x 22.23		6,600	1/25	6.16167	

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.	
	<b>Quality class A 60-R / A 46-R / A 30-R »Flexiarapid« Inox HydroResist</b>						
	<ul style="list-style-type: none"> <li>■ Thin high-output cutting disc especially for stainless, thin-walled materials such as pipes, metal sheets, profiles, wires</li> <li>■ Hardness: hard</li> <li>■ Very high cutting output with good tool life by using special corundums</li> <li>■ Low material consumption, power-saving, low machine load.</li> <li>■ Low in iron and sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ Maximum working speed 80 m/s</li> <li>■ A 60-R with 1 mm thickness; A 46-R with 1.6 mm thickness; A 30-R with 1.9 mm thickness</li> </ul>						
	A 46-R	105 x 1.6 x 16		15,300	1/25	6.16180	
	A 60-R	115 x 1 x 22.23		13,300	1/25	6.16186	
	A 60-R	125 x 1 x 22.23		12,200	1/25	6.16187	
	A 46-R	115 x 1.6 x 22.23		13,300	1/25	6.16181	
	A 46-R	125 x 1.6 x 22.23		12,200	1/25	6.16182	
	A 46-R	125 x 2 x 22.23		12,200	1/25	6.16179	
	A 30-R	150 x 1.6 x 22.23		10,200	1/25	6.16183	
	A 30-R	180 x 1.6 x 22.23		8,500	1/25	6.16184	
	A 30-R	230 x 1.9 x 22.23		6,600	1/25	6.16185	
		<b>Quality class A 36-U / A 46-U / A 60-U »Flexiarapid Super« Inox HydroResist</b>					
		<ul style="list-style-type: none"> <li>■ The super-thin high-output disc especially for processing stainless steel</li> <li>■ Super quick with very long service life thanks to the use of special corundums.</li> <li>■ Low in iron and sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), spring steels, tool steels.</li> <li>■ For use in the manufacture of vehicles, containers, car bodies, switch cabinets etc.</li> <li>■ Cutting discs for quiet, precise cutting, cuts without burrs</li> </ul>					
A 60-U		105 x 1 x 16		15,300	1/25	6.16210	
A 60-U		115 x 0.8 x 22.23		13,300	1/50	6.16208	
A 60-U		115 x 1 x 22.23		13,300	1/25	6.16216	
A 60-U		115 x 1 x 22.23		13,300	1/25	6.16217	
A 46-U		115 x 1.6 x 22.23		13,300	1/25	6.16218	
A 46-U		115 x 1.6 x 22.23		13,300	1/25	6.16219	
A 60-U		125 x 0.8 x 22.23		12,200	1/50	6.16209	
A 60-U		125 x 1 x 22.23		12,200	1/25	6.16220	
A 46-U		125 x 1.6 x 22.23		12,200	1/25	6.16222	
A 46-U		150 x 1.6 x 22.23		10,200	1/25	6.16224	
A 46-U		180 x 1.6 x 22.23		8,500	1/25	6.16226	
A 46-U	180 x 1.6 x 22.23		8,500	1/25	6.16227		
A 36-U	230 x 1.9 x 22.23		6,600	1/25	6.16228		
A 36-U	230 x 1.9 x 22.23		6,600	1/25	6.16229		
	<b>Quality class A 46-U »Combinator« Inox</b>						
	<ul style="list-style-type: none"> <li>■ One grinding disc for two applications: quick cutting, as well as easy deburring and sanding</li> <li>■ All-purpose use for processing stainless steel and for general metal work</li> <li>■ Low in iron and sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ Reduces labor costs by saving on set-up time</li> <li>■ Eliminates time-consuming disc changes during mobile use.</li> <li>■ Highest standards in quality and safety thanks to the dimensional and lateral stability of the disc design (proven safety with 3 full-surface layers of material)</li> <li>■ Maximum working speed: 80 m/s</li> </ul>						
	A 46-U Combinator Inox	115 x 1.9 x 22.23		13,200	1/25	6.16500	
A 46-U Combinator Inox	125 x 1.9 x 22.23		12,200	1/25	6.16501		
	<b>Quality class A 24-P »Flexiarapid« aluminium</b>						
	<ul style="list-style-type: none"> <li>■ Thin high-output cutting disc especially for processing aluminium, non-ferrous metals, copper, brass, bronze etc., thin-walled materials such as pipes, metal sheets, profiles, wires</li> <li>■ Hardness: medium-hard</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> <li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li> </ul>						
	A 24-P Flexiarapid	115 x 1.5 x 22.23		13,300	1/25	6.16512	
A 24-P Flexiarapid	125 x 1.5 x 22.23		12,200	1/25	6.16513		

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	A 24-P Flexiarapid	150 x 1.5 x 22.23	—	10,200	1/25	6.16514
	A 24-P Flexiarapid	180 x 1.5 x 22.23	—	8,500	1/25	6.16515
	A 24-P Flexiarapid	230 x 1.9 x 22.23	—	6,600	1/25	6.16516
	<b>Quality class A 30-O »Flexiamant Super« aluminium</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc with open structure for processing non-ferrous metals such as aluminium, copper, brass, bronze ...</li> <li>■ Hardness: soft</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> <li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li> </ul>					
	A 30-O	115 x 2.5 x 22.23	—	13,300	1/25	6.16751
	A 30-O	125 x 2.5 x 22.23	—	12,200	1/25	6.16752
	A 30-O	150 x 3 x 22.23	—	10,200	1/25	6.16753
	A 30-O	180 x 3 x 22.23	—	8,500	1/25	6.16122
	A 30-O	230 x 3 x 22.23	—	6,600	1/25	6.16126
	<b>Quality class C 30 »Novoflex« stone</b>					
	<ul style="list-style-type: none"> <li>■ Quality Novoflex: powerful entry-level class</li> <li>■ Hardness: medium</li> <li>■ For universal use for processing natural and artificial stone</li> <li>■ Good cutting output with good tool life.</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 30 Novoflex	115 x 2.5 x 22.23	—	13,300	1/25	6.16455
	C 30 Novoflex	125 x 2.5 x 22.23	—	12,200	1/25	6.16428
	C 30 Novoflex	150 x 3 x 22.23	—	10,200	1/25	6.16449
	C 30 Novoflex	180 x 3 x 22.23	—	8,500	1/25	6.16458
	C 30 Novoflex	230 x 3 x 22.23	—	6,600	1/25	6.16453
	C 30 Novoflex	230 x 3 x 22.23	—	6,600	1/25	6.16479
	<b>Quality class C 30-S »Flexiamant Super« stone</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for processing natural and artificial stone</li> <li>■ Hardness: medium</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 30-S	115 x 2.5 x 22.23	—	13,300	1/25	6.16728
	C 30-S	125 x 2.5 x 22.23	—	12,200	1/25	6.16312
	C 30-S	125 x 2.5 x 22.23	—	12,200	1/25	6.16733
	C 30-S	180 x 3 x 22.23	—	8,500	1/25	6.16143
	C 30-S	230 x 3 x 22.23	—	6,600	1/25	6.16147
	C 30-S	230 x 3 x 22.23	—	6,600	1/25	6.16303
	<b>Quality class C 60-T »Flexiamant Super« stone</b>					
	<ul style="list-style-type: none"> <li>■ Super thin special disc for processing tiles, ceramics, clinkers etc.</li> <li>■ Hardness: hard</li> <li>■ Very high cutting output with above average tool life</li> <li>■ Quick cutting time, less cutting wastage, cleaner cutting edges</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 60-T	115 x 1.5 x 22.23	—	13,300	1/25	6.16195
	C 60-T	125 x 1.5 x 22.23	—	12,200	1/25	6.16196

Cutting discs for cutting machines/petrol cutters

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	<b>Quality class A 24-N »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ For use in all steel processing applications, also for cast materials</li> <li>■ Hardness: medium</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 24-N	300 x 3.5 x 20	—	5,090	1/10	6.16136
	A 24-N	300 x 3.5 x 22.2	—	5,090	1/10	6.16135
	A 24-N	300 x 3.5 x 25.4	—	5,090	1/10	6.16137
	<b>Quality class C 24-N »Flexiamant Super« stone</b>					
	<ul style="list-style-type: none"> <li>■ For processing natural and artificial stone, non-ferrous metals</li> <li>■ Hardness: medium</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 24-N	300 x 3.5 x 20	—	5,090	1/10	6.16156
	C 24-N	300 x 3.5 x 22.23	—	5,090	1/10	6.16155

Cutting discs for table-top cutting machines

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	<b>Quality class A 30-R / A 36-S »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ High cutting output with good tool life in steel</li> <li>■ Tough version for powerful machines</li> <li>■ A 36-S: with an inside gauze for quick cuts</li> </ul>					
	A 30-R	300 x 2.5 x 25.4	—	5,090	1/10	6.16328
	A 30-R	350 x 3 x 25.4	—	4,365	1/10	6.16327
	A 36-S	350 x 3 x 25.4	—	4,365	1/10	6.16339
	<b>Quality class A 24-M »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ High cutting output with good tool life in steel</li> <li>■ Soft version for less powerful machines</li> </ul>					
	A 24-M	350 x 3 x 25.4	—	4,365	1/10	6.16338
	A 24-M	400 x 3 x 25.4	—	3,820	1/10	6.16215
	<b>Quality class A 36-R »Flexiamant Super« inox</b>					
	<ul style="list-style-type: none"> <li>■ Medium-hard special cutting disc for stainless steel</li> <li>■ High cutting output with good tool life</li> <li>■ Low in iron and sulphur &lt; 0.1 %</li> </ul>					
	A 36-R	350 x 3 x 25.4	—	4,365	1/10	6.16343

Cutting discs for stationary cutting machines

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	<b>Quality class A 30-S »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ Universal use in metal processing</li> <li>■ Hardness: hard</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 100 m/s</li> </ul>					
	A 30-S	300 x 3 x 25.4	—	6,365	1/10	6.16202
	A 30-S	350 x 3.5 x 25.4	—	5,460	1/10	6.16203
	A 30-S	400 x 4 x 25.4	—	4,775	1/10	6.16204
	<b>Quality class C 30-S »Flexiamant Super« stone</b>					
	<ul style="list-style-type: none"> <li>■ Universal use for processing natural and artificial stone</li> <li>■ Also suitable for processing non-ferrous metals</li> <li>■ Hardness: hard</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 100 m/s</li> </ul>					
	C 30-S	300 x 3 x 25.4	—	6,365	1/10	6.16212
	C 30-S	350 x 3.5 x 25.4	—	5,460	1/10	6.16213

Grinding discs for hand-held angle grinders

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	<b>NEW</b>					
	<b>Quality class CA 36-O »M-Calibur« Inox</b>					
	<ul style="list-style-type: none"> <li>■ The latest generation of roughing discs with ceramic abrasive grain</li> <li>■ Maximum material removal with extremely high tool life thanks to using ceramic special corundum and new bonding</li> <li>■ Highest productivity and work progress</li> <li>■ Low in iron and sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ For all rust and acid resistant steels (V2A, Niosta, INOX), high-alloy steels, spring steels, tool steels.</li> <li>■ Maximum working speed: 80 m/s</li> </ul>					
	CA 36-O M-Calibur	115 x 7.0 x 22.23	—	13,300	1/25	6.16290
	CA 36-O M-Calibur	125 x 7.0 x 22.23	—	12,200	1/25	6.16291
	<b>Quality class A 24 »Novoflex« steel</b>					
	<ul style="list-style-type: none"> <li>■ Quality Novoflex: powerful entry-level class</li> <li>■ Hardness: medium-hard</li> <li>■ Universal use in metal processing</li> <li>■ Good cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 24 Novoflex	100 x 6 x 16	—	15,300	1/25	6.16429
	A 24 Novoflex	115 x 6 x 22.23	—	13,300	1/25	6.16460
	A 24 Novoflex	125 x 6 x 22.23	—	12,200	1/25	6.16462
	A 24 Novoflex	150 x 6 x 22.23	—	10,200	1/25	6.16464
	A 24 Novoflex	180 x 6 x 22.23	—	8,500	1/10	6.16465
A 24 Novoflex	230 x 6 x 22.23	—	6,600	1/10	6.16468	
	<b>Quality class A 24-N »Flexiamant« steel</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for all metal processing requirements</li> <li>■ Hardness: medium</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 24-N	100 x 6 x 16	—	15,300	1/25	6.16745
	A 24-N	115 x 4 x 22.23	—	13,300	1/25	6.16736
	A 24-N	115 x 6 x 22.23	—	13,300	1/25	6.16726

	Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	<b>Quality class A 24-N »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for all metal processing requirements</li> <li>■ Especially suitable for deburring and grinding edges, also for cast processing</li> <li>■ Hardness: hard</li> <li>■ Good cutting output with extremely good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 24-N	115 x 6.8 x 22.23	—	13,300	1/25	6.16725
	A 24-N	125 x 4 x 22.23	—	12,200	1/25	6.16680
	A 24-N	125 x 6 x 22.23	—	12,200	1/25	6.16730
	A 24-N	150 x 6 x 22.23	—	10,200	1/25	6.16554
	A 24-N	180 x 6 x 22.23	—	8,500	1/10	6.16560
	A 24-N	180 x 6.8 x 22.23	—	8,500	1/10	6.16563
	A 24-N	180 x 8 x 22.23	—	8,500	1/10	6.16561
	A 24-N	230 x 6 x 22.23	—	6,600	1/10	6.16572
	A 24-N	230 x 8 x 22.23	—	6,600	1/10	6.16573
	<b>Quality class A 24-T »Flexiamant Super« steel</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for all metal processing requirements</li> <li>■ Especially suitable for deburring and grinding edges, also for cast processing</li> <li>■ Hardness: hard</li> <li>■ Good cutting output with extremely good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 24-T	115 x 6 x 22.23	—	13,300	1/25	6.16275
	A 24-T	125 x 6 x 22.23	—	12,200	1/25	6.16486
	A 24-T	150 x 6 x 22.23	—	10,200	1/25	6.16487
	A 24-T	180 x 6 x 22.23	—	8,500	1/10	6.16277
	A 24-T	230 x 6 x 22.23	—	6,600	1/10	6.16279
	<b>Quality class A 36-O »Flexiamant Super« Inox</b>					
	<ul style="list-style-type: none"> <li>■ Special disc for processing stainless steels</li> <li>■ Low in iron and sulphur &lt; 0.1%</li> <li>■ Hardness: soft</li> <li>■ Very good cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 36-O	100 x 6 x 16	—	15,300	1/25	6.16735
	A 36-O	115 x 6 x 22.23	—	13,300	1/25	6.16739
	A 36-O	125 x 6 x 22.23	—	12,200	1/25	6.16747
	A 36-O	150 x 6 x 22.23	—	10,200	1/25	6.16604
	A 36-O	180 x 6 x 22.23	—	8,500	1/10	6.16610
A 36-O	230 x 6 x 22.23	—	6,600	1/10	6.16622	
	<b>Quality class A 36-M »Flexiamant Super« aluminium</b>					
	<ul style="list-style-type: none"> <li>■ Special disc with open structure for high cutting output and good tool life</li> <li>■ Hardness: soft</li> <li>■ Best suited for processing lubricating materials such as aluminium, bronze, copper, brass</li> <li>■ Maximum working speed 80 m/s</li> <li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li> </ul>					
	A 36-M	115 x 6 x 22.23	—	13,300	1/25	6.16748
	A 36-M	125 x 6 x 22.23	—	12,200	1/25	6.16749
	A 36-M	150 x 6 x 22.23	—	10,200	1/25	6.16754
	A 36-M	180 x 6 x 22.23	—	8,500	1/10	6.16760
	A 36-M	230 x 6 x 22.23	—	6,600	1/10	6.16763
	<b>Quality class C 24-N »Flexiamant Super« stone</b>					
	<ul style="list-style-type: none"> <li>■ Special disc for rough grinding on concrete, natural and artificial stone</li> <li>■ Hardness: soft</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 24-N	115 x 6 x 22.23	—	13,300	1/25	6.16729
	C 24-N	125 x 6 x 22.23	—	12,200	1/25	6.16731
	C 24-N	150 x 6 x 22.23	—	10,200	1/25	6.16654
	C 24-N	180 x 6 x 22.23	—	8,500	1/10	6.16660
C 24-N	230 x 6 x 22.23	—	6,600	1/10	6.16672	

Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
<b>Quality class Z 24-T »Flexiamant Super« pipeline</b> <ul style="list-style-type: none"> <li>Special disc for pipeline and container construction</li> <li>Welded seam processing in front grinding</li> <li>Grinding out welding faults</li> <li>Hardness: hard</li> <li>Very good cutting output with good tool life</li> <li>Maximum working speed 80 m/s</li> </ul>	ZA 24-T	115 x 4 x 22.23	13,300	1/25	6.16792
	ZA 24-T	180 x 4 x 22.23	8,500	1/10	6.16795
	ZA 24-T	230 x 4 x 22.23	6,600	1/10	6.16796

Cup wheels, tapered

- Resin-bonded
- Good cutting output with good tool life
- Maximum working speed 50 m/s
- For angle grinders with grinding disc diameters of 180 mm and 230 mm

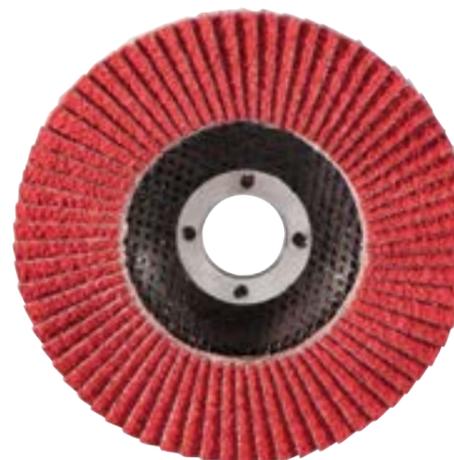
Diameter x thickness x bore hole mm	Maximum speed /min	Sales unit / packaging unit	Order no.
<b>Quality class A 16-Q</b>			
<ul style="list-style-type: none"> <li>Surface grind in entire metal processing sector with angle grinders</li> <li>Hardness: hard</li> </ul>			
110 x 55 x 22.23	8,600	1/6	6.16170
110 x 55 x 22.23	8,600	1/1	6.30725*
<b>Quality class C 16-N</b>			
<ul style="list-style-type: none"> <li>For rough work, even for cast iron</li> <li>Surface grind for the entire stone processing sector</li> <li>Also suitable for cast iron materials and non-ferrous metals</li> </ul>			
110 x 55 x 22.23	8,600	1/6	6.16171
110 x 55 x 22.23	8,600	1/1	6.30726*
<b>Quality class C 36-M</b>			
<ul style="list-style-type: none"> <li>Surface grind for the entire stone processing sector</li> <li>Also suitable for cast iron materials and non-ferrous metals</li> </ul>			
110 x 55 x 22.23	8,600	1/6	6.16177

Cup wheels, cylindrical

Diameter x thickness x bore hole mm	Maximum speed /min	Sales unit / packaging unit	Order no.
<b>Quality class A 80-M steel</b>			
<ul style="list-style-type: none"> <li>Surface grind for all metal processing needs</li> <li>Hardness: medium</li> <li>Resin-bonded</li> <li>Good cutting output with good tool life</li> <li>Only for dry sanding/grinding</li> <li>Maximum working speed 50 m/s</li> <li>For angle grinders with grinding wheel diameters of 115 mm, 125 mm and 150 mm</li> </ul>			
80 x 25 x 22.23	11,940	1/20	6.29174
80 x 25 x 22.23	11,940	1/1	6.30727*
<b>Quality class C 30-N stone</b>			
<ul style="list-style-type: none"> <li>Surface grind for all stone processing needs</li> <li>Hardness: medium</li> <li>Resin-bonded</li> <li>Good cutting output with good tool life</li> <li>Only for dry sanding/grinding</li> <li>Maximum working speed 50 m/s</li> <li>For angle grinders with grinding wheel diameters of 115 mm, 125 mm and 150 mm</li> </ul>			
80 x 25 x 22.23	11,940	1/20	6.29175
80 x 25 x 22.23	11,940	1/1	6.30728*

\* Self-service packaging

## Lamellar grinding plate and fibre discs with ceramic grain

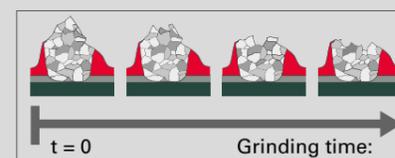


## The new Metabo Convex lamellar grinding plate



- Extremely high tool life** thanks to high-quality ceramic grain
- Extremely high material removal** with little effort
- Uniform material removal across the entire service life** by virtue of self-sharpening ceramic grain
- Good bonding of the ceramic grain on the carrier material**
- Grind-active additional layer**
- Cool grinding on surfaces and edges**
- Fields of application:** Processing of sheet metal, container construction, die-cast parts, pipes, bars, metal, stainless steel, high-alloy steels, titanium alloy, chrome-nickel steel, brass, bronze etc. Ideal also for extreme grinding jobs

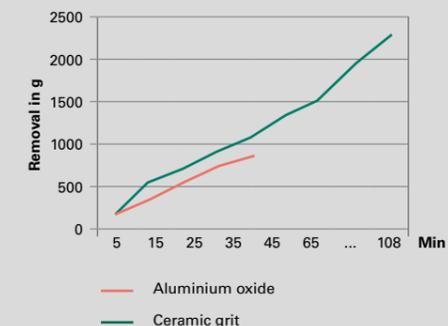
- The ideal shape for fillet welds,** achieve the desired result faster
- Extremely high tool life** thanks to using high-quality ceramic grit and/or zirconia alumina
- Extremely high and fast cutting output** thanks to the use of high quality ceramic grit and/or zirconia alumina
- Faster and more efficient work results** thanks to the design which is ideally adapted to the fillet weld, also suitable for surface grinding
- Particularly long service life** thanks to the use of ceramic grit and/or zirconia alumina and the high number of lamellae
- Specially shaped lamellar grinding plate** with lamellae that are rounded off towards the outer edges -> suitable for all angle grinders
- Maximum working speed 80 m/s**



In the ceramic grit, fine aluminium oxide (Al<sub>2</sub>O<sub>3</sub>) crystals are bonded to each other by means of a sintering process. The grinding forces cause the micro crystals to break off during the grinding process so that the grinding grit always gets new, sharp cutting edges.

	Removed material after the end of the grinding time
Aluminium oxide	890.0 g
Ceramic grit	2295.0 g

A ceramic grit fibre disc manages 2.5 times the removal of an aluminium oxide disc



Lamellar Grinding Discs							
	Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.	
 <p><b>Quality class aluminium oxide »Flexiamant«</b></p> <ul style="list-style-type: none"> <li>■ Suitable for rough and intermediate grinding for steel, non-ferrous metals, wood and plastics</li> <li>■ High lamellar lining on glass fibre plate</li> <li>■ Uniform grinding capacity</li> <li>■ Cool grinding</li> <li>■ Low noise level</li> <li>■ Even grinding results</li> <li>■ Maximum working speed 80 m/s</li> </ul>	115 x 22.23	P 40	—	13,300	1/10	6.24391	
	115 x 22.23	P 60	—	13,300	1/10	6.24392	
	115 x 22.23	P 80	—	13,300	1/10	6.24393	
	115 x 22.23	P 120	—	13,300	1/10	6.24394	
	125 x 22.23	P 40	—	12,200	1/10	6.24395	
	125 x 22.23	P 60	—	12,200	1/10	6.24396	
	125 x 22.23	P 80	—	12,200	1/10	6.24397	
	125 x 22.23	P 120	—	13,300	1/10	6.24398	
	 <p><b>Quality class zirconia alumina »Novoflex«</b></p> <ul style="list-style-type: none"> <li>■ Suitable for rough and intermediate grinding in all fields of metalworking including stainless steel, steel, cast iron, and sheet steel</li> <li>■ Quality »Novoflex«: powerful entry-level class</li> <li>■ Uniform grinding capacity</li> <li>■ Cool grinding</li> <li>■ Even grinding results</li> <li>■ Most suitable for processing stainless steels</li> <li>■ Maximum working speed 80 m/s</li> </ul>	115 x 22.23	P 40	—	13,300	1/10	6.23175
		115 x 22.23	P 60	—	13,300	1/10	6.23176
115 x 22.23		P 80	—	13,300	1/10	6.23177	
115 x 22.23		P 120	—	13,300	1/10	6.23178	
125 x 22.23		P 40	—	12,200	1/10	6.23195	
125 x 22.23		P 60	—	12,200	1/10	6.23196	
125 x 22.23		P 80	—	12,200	1/10	6.23197	
125 x 22.23		P 120	—	12,200	1/10	6.23198	
178 x 22.23		P 40	—	8,500	1/10	6.23112	
178 x 22.23		P 60	—	8,500	1/10	6.23114	
178 x 22.23	P 80	—	8,500	1/10	6.23115		
 <p><b>Quality class zirconia alumina »Flexiamant«, with glass fibre plate</b></p> <ul style="list-style-type: none"> <li>■ Suitable for rough and intermediate grinding in all fields of metalworking including stainless steel, steel, cast iron, and sheet steel</li> <li>■ High lamellar lining on glass fibre plate</li> <li>■ Uniform grinding capacity</li> <li>■ Cool grinding</li> <li>■ Low noise level</li> <li>■ Even grinding results</li> <li>■ Most suitable for processing stainless steels</li> <li>■ Maximum working speed 80 m/s</li> </ul>	115 x 22.23	P 40	—	13,300	1/10	6.24241	
	115 x 22.23	P 60	—	13,300	1/10	6.24243	
	115 x 22.23	P 80	—	13,300	1/10	6.24244	
	115 x 22.23	P 120	—	13,300	1/10	6.24239	
	125 x 22.23	P 40	—	12,200	1/10	6.24275	
	125 x 22.23	P 60	—	12,200	1/10	6.24277	
	125 x 22.23	P 80	—	12,200	1/10	6.24278	
	125 x 22.23	P 120	—	12,200	1/10	6.24279	
	178 x 22.23	P 40	—	8,500	1/10	6.24256	
	178 x 22.23	P 60	—	8,500	1/10	6.24258	
178 x 22.23	P 80	—	8,500	1/10	6.24259		
178 x 22.23	P 120	—	8,500	1/10	6.24276		
115 x 22.23	P 40	—	13,300	1/10	6.24246		

	Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
	115 x 22.23	P 60	—	13,300	1/10	6.24247
	115 x 22.23	P 80	—	13,300	1/10	6.24248
	125 x 22.23	P 40	—	12,200	1/10	6.24475
	125 x 22.23	P 60	—	12,200	1/10	6.24477
	125 x 22.23	P 80	—	12,200	1/10	6.24478
	178 x 22.23	P 40	—	8,500	1/10	6.24356
	178 x 22.23	P 60	—	8,500	1/10	6.24358
	178 x 22.23	P 80	—	8,500	1/10	6.24359
 <p><b>NEW</b></p> <p><b>Quality class ceramics »Flexiamant Super«</b></p> <ul style="list-style-type: none"> <li>■ Extremely high cutting output with little effort thanks to the self-sharpening ceramic grain.</li> <li>■ Excellent results for surface and edge grinding grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>■ Very high tool life; cool grinding on surfaces and edges</li> <li>■ Maximum working speed: 80 m/s</li> </ul>	115 x 22.23	P 40	—	13,300	1/10	6.26166
	115 x 22.23	P 60	—	13,300	1/10	6.26167
	115 x 22.23	P 80	—	13,300	1/10	6.26168
	125 x 22.23	P 40	—	12,200	1/10	6.26169
	125 x 22.23	P 60	—	12,200	1/10	6.26170
125 x 22.23	P 80	—	12,200	1/10	6.26171	
 <p><b>NEW</b></p> <p><b>Quality Class Ceramics »Flexiamant Super Convex«</b></p> <ul style="list-style-type: none"> <li>■ Specially shaped lamellar grinding plate with lamellae that are rounded off towards the outer edges.</li> <li>■ Thanks to the special design it is particularly suited for processing fillet welds, faster and more efficient processing possible; also suitable for surface grinding</li> <li>■ Very high cutting output with very high tool life thanks to the use of ceramic grain.</li> <li>■ Cool cut for materials with poor thermal conduction</li> <li>■ For grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>■ Maximum working speed: 80 m/s</li> </ul>	125 x 22.23	P 60	—	12,200	1/10	6.26460
	125 x 22.23	P 80	—	12,200	1/10	6.26461
 <p><b>NEW</b></p> <p><b>Quality class zirconia alumina »Flexiamant Convex«</b></p> <ul style="list-style-type: none"> <li>■ Specially shaped lamellar grinding plate with lamellae that are rounded off towards the outer edges.</li> <li>■ Grinding media: Zirconia alumina</li> <li>■ Thanks to the special design it is particularly suited for processing fillet welds, faster and more efficient processing possible; also suitable for surface grinding</li> <li>■ High cutting output with very high tool life thanks to the use of zirconia alumina.</li> <li>■ Suitable for processing stainless steel and steel.</li> <li>■ Maximum working speed: 80 m/s</li> </ul>	125 x 22.23	P 40	—	12,200	1/10	6.26462
	125 x 22.23	P 60	—	12,200	1/10	6.26463
	125 x 22.23	P 80	—	12,200	1/10	6.26464

Flap Sanding Wheel

	Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
  <p><b>Quality class ceramics »Flexiamant Super«</b></p> <ul style="list-style-type: none"> <li>■ Lamellar grinding wheel with straight, profiled lamellae particularly suited for processing fillet welds. The profiled lamellae, arranged radially in the shape of a fan, adapt exceptionally well to the contours of the work piece. Ideally suited for an evenly smooth weld seam. Thanks to the offset shape it can also be used at hard to reach places.</li> <li>■ Very high cutting output with very high tool life thanks to the use of ceramic grain.</li> <li>■ Excellent results for surface and edge grinding grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>■ Cool cut for materials with poor thermal conduction</li> </ul>	125 x 22.23	P 40		10,000	1/5	6.26470
	125 x 22.23	P 60		10,000	1/5	6.26471
	125 x 8 x 5/8"	P 40		10,000	1/5	6.26486
	125 x 8 x 5/8"	P 60		10,000	1/5	6.26487

Fibre grinding discs

	Diameter x bore hole mm	Grit	Maximum speed /min	Sales unit / packaging unit	Order no.
 <p><b>Aluminium oxide, hole type: round hole, slotted</b></p> <ul style="list-style-type: none"> <li>■ Suitable for use throughout the metal industry</li> <li>■ For rough and fine grinding jobs</li> <li>■ Processing weld joints, removing rust, deburring</li> <li>■ High cutting output with good tool life</li> <li>■ Even grinding results</li> <li>■ Maximum working speed 80 m/s</li> </ul>	100 x 16	P 24	15,300	1/25	6.24094
	115 x 22.23	P 16	13,300	1/25	6.24135
	115 x 22.23	P 24	13,300	1/25	6.24136
	115 x 22.23	P 36	13,300	1/25	6.24145
	115 x 22.23	P 40	13,300	1/25	6.24137
	115 x 22.23	P 50	13,300	1/25	6.24144
	115 x 22.23	P 60	13,300	1/25	6.24138
	115 x 22.23	P 80	13,300	1/25	6.24139
	115 x 22.23	P 100	13,300	1/25	6.24140
	115 x 22.23	P 120	13,300	1/25	6.24141
	115 x 22.23	P 150	13,300	1/25	6.24142
	115 x 22.23	P 180	13,300	1/25	6.24143
	125 x 22.23	P 16	12,200	1/25	6.24223
	125 x 22.23	P 24	12,200	1/25	6.24218
	125 x 22.23	P 36	12,200	1/25	6.24216
	125 x 22.23	P 40	12,200	1/25	6.24219
	125 x 22.23	P 50	12,200	1/25	6.24217
	125 x 22.23	P 60	12,200	1/25	6.24220
	125 x 22.23	P 80	12,200	1/25	6.24221
	125 x 22.23	P 100	12,200	1/25	6.24222
	125 x 22.23	P 120	12,200	1/25	6.24224
	125 x 22.23	P 150	12,200	1/25	6.24225
	125 x 22.23	P 180	12,200	1/25	6.24226
	180 x 22.23	P 16	8,500	1/25	6.24123
	180 x 22.23	P 24	8,500	1/25	6.24103
	180 x 22.23	P 30	8,500	1/25	6.24124
	180 x 22.23	P 36	8,500	1/25	6.24122
	180 x 22.23	P 40	8,500	1/25	6.24104
	180 x 22.23	P 50	8,500	1/25	6.24102
	180 x 22.23	P 60	8,500	1/25	6.24105
	180 x 22.23	P 80	8,500	1/25	6.24106

	Diameter x bore hole mm	Grit	Maximum speed /min	Sales unit / packaging unit	Order no.
 <p><b>Zirconia alumina, hole type: round hole, slotted</b></p> <ul style="list-style-type: none"> <li>■ Suitable for use throughout the metal industry</li> <li>■ For rough and fine grinding jobs</li> <li>■ Especially for processing stainless steel</li> <li>■ High cutting output with good tool life</li> <li>■ Even grinding results</li> <li>■ Maximum working speed 80 m/s</li> </ul>	180 x 22.23	P 100	8,500	1/25	6.24107
	180 x 22.23	P 120	8,500	1/25	6.24101
	230 x 22.23	P 24	6,600	1/25	6.24227
	230 x 22.23	P 40	6,600	1/25	6.24228
 <p><b>Aluminium oxide, hole type: round hole, slotted</b></p> <ul style="list-style-type: none"> <li>■ Suitable for use throughout the metal industry</li> <li>■ For rough and fine grinding jobs</li> <li>■ Processing weld joints, removing rust, deburring</li> <li>■ High cutting output with good tool life</li> <li>■ Even grinding results</li> <li>■ Maximum working speed 80 m/s</li> </ul>	115 x 22.23	P 36	13,300	1/25	6.22971
	115 x 22.23	P 40	13,300	1/25	6.22972
	115 x 22.23	P 50	13,300	1/25	6.22973
	115 x 22.23	P 60	13,300	1/25	6.22974
	115 x 22.23	P 80	13,300	1/25	6.22975
	115 x 22.23	P 100	13,300	1/25	6.22976
	115 x 22.23	P 120	13,300	1/25	6.22977
	125 x 22.23	P 36	12,200	1/25	6.22981
	125 x 22.23	P 40	12,200	1/25	6.22982
	125 x 22.23	P 60	12,200	1/25	6.22984
	125 x 22.23	P 80	12,200	1/25	6.22985
	125 x 22.23	P 100	12,200	1/25	6.22986
	125 x 22.23	P 120	12,200	1/25	6.22987
	180 x 22.23	P 36	8,500	1/25	6.22991
	180 x 22.23	P 40	8,500	1/25	6.22992
	180 x 22.23	P 60	8,500	1/25	6.22994
	180 x 22.23	P 80	8,500	1/25	6.22995
	180 x 22.23	P 100	8,500	1/25	6.22996
	180 x 22.23	P 120	8,500	1/25	6.22997

	Diameter x bore hole mm	Grit	Maximum speed /min	Sales unit / packaging unit	Order no.
  <p><b>Ceramics, hole type: round hole, slotted</b></p> <ul style="list-style-type: none"> <li>■ Extremely high cutting output with little effort thanks to the self-sharpening ceramic grain.</li> <li>■ Excellent results for surface grinding grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>■ Very high tool life; cool grinding</li> <li>■ Ceramic filter discs achieve their best performance on powerful angle grinders with increased down pressure.</li> </ul>	115 x 22.23	P 24	13,300	1/25	6.26150
	115 x 22.23	P 36	13,300	1/25	6.26151
	115 x 22.23	P 60	13,300	1/25	6.26152
	115 x 22.23	P 80	13,300	1/25	6.26153
	125 x 22.23	P 24	12,200	1/25	6.26154
	125 x 22.23	P 36	12,200	1/25	6.26155
	125 x 22.23	P 60	12,200	1/25	6.26156
	125 x 22.23	P 80	12,200	1/25	6.26157
	180 x 22.23	P 24	8,500	1/25	6.26158
	180 x 22.23	P 36	8,500	1/25	6.26159
	180 x 22.23	P 60	8,500	1/25	6.26160
	180 x 22.23	P 80	8,500	1/25	6.26161

Semi-flexible sanding sheets

	Order no.
 <p><b>Semi-flexible sanding sheets</b></p> <ul style="list-style-type: none"> <li>■ Suitable for use in masonry and stoneworking</li> </ul> <p>For use with the elastic backing pad 6.23279                      Diameter: 115 mm                      Grit: C 24                      Material suitability: stone                      Sales unit: 10</p>	6.24873

Cleaning Fleece

**NEW**



For the removal of light rust, paint/varnish on metal, cleaning weld seams/steel/copper/aluminium/brass, sanding steel, texturing wood.

Diameter x bore hole mm	Order no.
115 x 22.23	6.24346*
125 x 22.23	6.24347*

Backing pads for fibre grinding discs

Backing pads, standard



- Standard version for medium to rough grinding work
- Model with cooling ribs can be used for all other rough grinding work in addition to processing special steel, e.g. stainless.
- The cooling ribs running radial on the grinding surface reduce overheating of workpiece and backing pad
- All pads with adjusting nut
- Maximum working speed 80 m/s

Diameter mm	Flange nut	Maximum speed /min	Order no.
112	M 14	13,300	6.23279*
122	M 14	12,200	6.23278*
175	M 14	8,500	6.23275*
220	M 14	6,600	6.23280*
97	M 10	15,300	6.23285*
112	5/8 "	13,300	6.23283*
122	5/8 "	12,200	6.23284*
175	5/8 "	8,500	6.23281*
220	5/8 "	6,600	6.23282*

Backing pads with cooling ribs



- Standard version for medium to rough grinding work
- Model with cooling ribs can be used for all other rough grinding work in addition to processing special steel, e.g. stainless.
- The cooling ribs running radial on the grinding surface reduce overheating of workpiece and backing pad
- All pads with adjusting nut
- Maximum working speed 80 m/s

Diameter mm	Flange nut	Maximum speed /min	Order no.
112	M 14	13,300	6.23290*
122	M 14	12,200	6.23291*
175	M 14	8,500	6.23292*

Steel wire brushes

Steel-wire cup brushes, twisted



- For universal use in metal processing, e.g. for smoothing welding seams and points, stripping slag, scales and old paint
- Edging type: hardened steel-wire

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit	Order no.
70	M 14	0.35 mm	11,000	1	6.23796*
70	M 14	0.35 mm	11,000	50	6.23796
70	5/8 "	0.50 mm	11,000	1	6.23804*
80	M 14	0.80 mm	8,600	1	6.23710*
100	M 14	0.80 mm	8,600	1	6.23711*
100	5/8 "	0.80 mm	8,600	1	6.23720*

Steel-wire cup brushes, twisted, non-rusting



- For universal use in metal processing, e.g. for smoothing welding seams and points, stripping slag, scales and old paint. Ideally suited for processing stainless steels
- Edging type: stainless steel-wire

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit	Order no.
70	M 14	0.35 mm	11,000	1	6.23801*
70	5/8 "	0.35 mm	11,000	1	6.23805*

Steel-wire cup brushes, crimped



- For universal use in metal processing, e.g. for smoothing surfaces, stripping rust and old paint
- Edging type: hardened steel-wire

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit	Order no.
75	M 14	0.30 mm	11,000	1	6.23715*
100	M 14	0.30 mm	8,600	1	6.23719*
100	5/8 "	0.30 mm	8,600	1	6.23721*

Steel-wire wheel brushes, twisted



- For universal use in metal processing, e.g. for smoothing welding seams and points, stripping slag, scales and old paint
- Especially suitable for processing narrow workpieces as well as inner edges
- Edging type: hardened steel-wire
- 6.23802: straight version; 6.28803: offset version

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit	Order no.
100	M 14	0.50 mm	12,500	1	6.23802*
100	M 14	0.50 mm	12,500	1	6.23803*

\* Self-service packaging

# Diamond cutting discs: Extremely easy cutting, precise and durable

When processing concrete and natural stone you require high-quality, robust diamond discs. Metabo diamond cutting discs guarantee precise cutting as they are made from high-quality synthetic diamonds. The main disc body is made from hardened steel and thus guarantees highest safety criteria.



## Structure and function of Metabo diamond cutting discs

### The saw blade

For the stability and smooth running accuracy, the steel core of the Metabo diamond cutting disc is made of hardened steel of a very high quality. The notches between the segments are for cooling purposes and give the disc the needed stability.

### The cutting segments

The diamond studded segments consist of a mixture of diamond grit and metal powder. For the manufacture of Metabo diamond cutting discs only synthetic diamonds of the best quality are used. The mixture of diamonds and bonding agent is compacted under high pressure and temperature. During this process the cutting segment obtains its form. It is thicker than the basic blade so that a relief clearance is obtained.

### Quality and area of application

The bond between the cutting segments and main disc body is a distinct aspect which you can use to measure for quality and/or the application in which the disc was designed for use:

#### Soldering:

The connection between segment tips and the main disc is bonded with a silver solder. These discs are only utilized when cutting with water coolant. Due to the high temperatures generated when dry-cutting, segments can become detached. This bond is not suitable for dry cutting.

#### Increased risk of accidents!

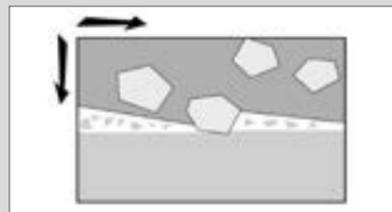
#### Sintering:

The cutting segments are bonded to the disc body with temperature and pressure. This bond is so strong that sintered cutting discs can be used for dry-cutting without a problem.

#### Laser welding:

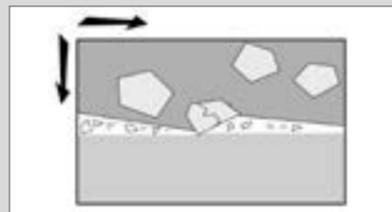
The best bond is presently obtained with the laser welding process. With the laser beam a strong micro bond between segment and the main disc body is obtained.

**Laser welding gives safety of the highest level.**

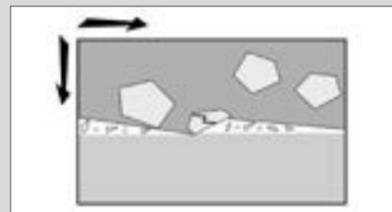


### Mode of operation

Each Metabo diamond cutting disc is "sharpened" at the factory for immediate use. During the sharpening process, the residues between the individual diamonds on the cutting segment are removed.



The metal bond holds all diamonds in place. During the cutting process the exposed diamonds slice through the contact material, leaving only a fine dust afterwards.



During the cutting process the diamonds splinter or break off. The harder the contact material the greater the wear. Simultaneously the material in the segment bond also wears off and bit by bit new diamonds are exposed.

## Which diamond cutting disc is suitable for which application?

	Quality class »professional«					Quality class »classic«				
	UP Universal	UP-T ...Turbo	CP Concrete	AP Abrasive	TP Tiles	UC Universal	UC-T ...Turbo	CC Concrete	AC Abrasive	TC Tiles
Segment height	12 mm	10 mm	12 mm	12 mm	10 mm	7 mm	8 mm	7 mm	7 mm	8 mm
Material										
Asbestos cement	■	■		■		■	■		■	
Basalt	■	■	■			■	■	■		
Concrete	■	■	■			■	■	■		
Reinforced concrete	■	■	■			■	■	■		
Concrete, curb stones	■	■	■			■	■	■		
Concrete plate	■	■	■			■	■	■		
Concrete roof tiles	■	■	■	■		■	■	■	■	
Concrete industrial floors			■					■		
Roof tiles, red	■	■	■	■	■	■	■	■	■	■
Floor	■	■		■		■	■		■	
Fibre cement	■	■		■		■	■		■	
Glazed tiles					■					■
Non-glazed tiles					■					■
Gas or porous concrete	■	■		■		■	■		■	
Grey concrete	■	■		■		■	■		■	
Gneiss	■	■	■			■	■	■		
Granite	■	■	■			■	■	■		
Sand-lime brick, medium hard	■	■	■	■		■	■	■	■	
Sand-lime brick, soft	■	■		■		■	■		■	
Sand-lime brick, hard	■	■	■			■	■	■		
Ceramic					■					■
Clinkers, hard	■	■	■			■	■	■		
Clinkers, soft	■	■		■		■	■		■	
Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■
Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■
Mortar	■	■		■		■	■		■	
Natural sandstone, medium hard	■	■	■	■		■	■	■	■	
Natural sandstone, soft	■	■		■		■	■		■	
Natural slate	■	■	■	■		■	■	■	■	
Proton	■	■		■		■	■		■	
Porphyry	■	■	■			■	■	■		
Sandstone, medium hard	■	■	■	■		■	■	■	■	
Sandstone, hard	■	■	■	■		■	■	■	■	
Sandstone, soft	■	■		■		■	■		■	
Fireclay, hard	■	■		■		■	■		■	
Slate stones	■	■	■			■	■	■		
Silicate stones, very abrasive				■					■	
Terazzo	■	■	■	■		■	■	■	■	
Clay pipes	■	■		■		■	■		■	
Clay tile	■	■		■	■	■	■		■	■
Travertine	■	■		■		■	■		■	
Exposed aggregate concrete	■	■	■			■	■	■		
Glazed brick			■					■		
Brick, abrasive	■	■		■		■	■		■	

■ = highly suitable  
■ = well suited

■ = only partially suitable. The exclusive use of these materials will result in reduced service life or reduced cutting capacity

Diamond cutting discs

Segmented for general building materials

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class "professional" / UP</b></p> <ul style="list-style-type: none"> <li>Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.</li> <li>The universal disc with high quality diamonds for optimal cutting performance and a long tool life.</li> <li>Laser welded diamond segments</li> <li>Segment height: 12.0 mm</li> <li>Maximum working speed 80 m/s (300 - 400 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 12	8	13,200	1	6.28111*
125 x 22.23	32 x 2.15 x 12	9	12,200	1	6.28112*
150 x 22.23	38 x 2.15 x 12	10	10,200	1	6.28114*
180 x 22.23	40 x 2.3 x 12	14	8,500	1	6.28115*
230 x 22.23	40 x 2.5 x 12	15	6,600	1	6.28116*
300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6,300	1	6.28118*
350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5,400	1	6.28121*
400 x 25.4	40 x 3.2 x 12	28	4,700	1	6.28123*
125 x 22.23	32 x 2.15 x 12	9	12,200	2	6.28113*
230 x 22.23	40 x 2.5 x 12	15	6,600	2	6.28117*

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class »classic« / UC</b></p> <ul style="list-style-type: none"> <li>Well suited for all construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone and clay tiles.</li> <li>Good cutting performance, optimum tool life</li> <li>Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 400 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 7	8	13,200	1	6.28156*
125 x 22.23	32 x 2.15 x 7	9	12,200	1	6.28157*
150 x 22.23	38 x 2.15 x 7	10	10,200	1	6.28158*
180 x 22.23	38 x 2.3 x 7	14	8,500	1	6.28159*
230 x 22.23	40 x 2.5 x 7	15	6,600	1	6.28160*
300 x 20 / 22.23 / 25.4	40 x 3.2 x 7	20	6,300	1	6.28161*
350 x 20 / 22.23 / 25.4	40 x 3.2 x 7	24	5,400	1	6.28164*
400 x 20	40 x 3.2 x 7	28	4,700	1	6.28166*

For general building materials, closed edge "Turbo"

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class "professional" / UP-T</b></p> <ul style="list-style-type: none"> <li>Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.</li> <li>The circumferentially closed "Turbo" cutting edge provides a clean cutting edge without material chipping, optimal cutting performance and a long tool life.</li> <li>Sintered cutting edge</li> <li>Segment height: 9.6 mm; maximum working speed 80 m/s</li> </ul>					
115 x 22.23	2.2 x 9.6		13,200	1	6.28124*
125 x 22.23	2.2 x 9.6		12,200	1	6.28125*
150 x 22.23	2.2 x 9.6		10,200	1	6.28126*
180 x 22.23	2.5 x 9.6		8,500	1	6.28127*
230 x 22.23	2.7 x 9.6		6,600	1	6.28128*

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class »classic« / UC-T</b></p> <ul style="list-style-type: none"> <li>Well suited for all construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone and clay tiles.</li> <li>The circumferentially closed cutting edge provides a clean cutting edge without material chipping, good cutting performance and optimal tool life.</li> <li>Laser welded diamond segments, segment height: 8.0 mm; Maximum working speed 80 m/s</li> </ul>					
115 x 22.23	2 x 8		13,200	1	6.28167*
125 x 22.23	2 x 8		12,200	1	6.28168*
150 x 22.23	2 x 8		10,200	1	6.28169*
180 x 22.23	2.3 x 8		8,500	1	6.28170*
230 x 22.23	2.5 x 8		6,600	1	6.28171*

Segmented; for hard materials

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class "professional" / CP</b></p> <ul style="list-style-type: none"> <li>Ideal for all hard construction materials such as concrete (including reinforced), concrete pipes, granite, hard sandstones, facing stones, exposed aggregate concrete.</li> <li>The diamond quality and soft bond for optimal cutting performance and long tool life</li> <li>Laser welded diamond segments</li> <li>Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 12	8	13,200	1	6.28129*
125 x 22.23	32 x 2.15 x 12	9	12,200	1	6.28130*
150 x 22.23	38 x 2.15 x 12	10	10,200	1	6.28132*
180 x 22.23	40 x 2.3 x 12	14	8,500	1	6.28133*
230 x 22.23	40 x 2.5 x 12	15	6,600	1	6.28134*
300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6,300	1	6.28136*
350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5,400	1	6.28139*
125 x 22.23	32 x 2.15 x 12	9	12,200	2	6.28131*
230 x 22.23	40 x 2.5 x 12	15	6,600	2	6.28135*

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class »classic« / CC</b></p> <ul style="list-style-type: none"> <li>Ideal for all hard materials such as concrete (including reinforced), concrete pipes, kerbstones, granite, hard sandstone, facing stones, exposed aggregate concrete.</li> <li>High diamond quality with soft bond for good cutting performance and optimal tool life</li> <li>Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 7	8	13,200	1	6.28172*
125 x 22.23	32 x 2.15 x 7	9	12,200	1	6.28173*
150 x 22.23	38 x 2.15 x 7	10	10,200	1	6.28174*
180 x 22.23	38 x 2.3 x 7	14	8,500	1	6.28175*
230 x 22.23	40 x 2.5 x 7	15	6,600	1	6.28176*
300 x 20	40 x 2.8 x 7	20	6,300	1	6.28177*
350 x 20	40 x 3.2 x 7	24	5,400	1	6.28180*

\* Self-service packaging

Segmented for hard materials

	Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class "professional" / AP</b></p> <ul style="list-style-type: none"> <li>For best cutting performance in soft, abrasive materials, such as fresh concrete, sand-lime brick, sand stone</li> <li>High-quality diamond quality with hard bond ensures optimum cutting performance and high tool life</li> <li>Laser welded diamond segments</li> <li>Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>	115 x 22.23	32 x 2.15 x 12	8	13,200	1	6.28141*
	125 x 22.23	32 x 2.15 x 12	9	12,200	1	6.28142*
	150 x 22.23	38 x 2.15 x 12	10	10,200	1	6.28143*
	180 x 22.23	40 x 2.3 x 12	14	8,500	1	6.28144*
	230 x 22.23	40 x 2.5 x 12	15	6,600	1	6.28145*
	300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6,300	1	6.28146*
	350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5,400	1	6.28149*
 <p><b>Quality class »classic« / AC</b></p> <ul style="list-style-type: none"> <li>For all soft and abrasive materials such as fresh concrete, sand-lime brick, sand stone</li> <li>High diamond quality with hard bond for good cutting performance and optimal tool life</li> <li>Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>	115 x 22.23	32 x 2.15 x 7	8	13,200	1	6.28182*
	125 x 22.23	32 x 2.15 x 7	9	12,200	1	6.28183*
	150 x 22.23	38 x 2.15 x 7	10	10,200	1	6.28184*
	180 x 22.23	38 x 2.3 x 7	14	8,500	1	6.28185*
	230 x 22.23	40 x 2.5 x 7	15	6,600	1	6.28186*
	300 x 20	40 x 3.2 x 7	20	6,300	1	6.28187*
	350 x 20	40 x 3.2 x 7	24	5,400	1	6.28190*

For tiles; enclosed edge

	Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
 <p><b>Quality class "professional" / TP</b></p> <ul style="list-style-type: none"> <li>Special disc to meet the highest demands for all types of tiles, glazed and unglazed, natural stone slabs, fine earthenware</li> <li>Optimal cutting quality and long tool life.</li> <li>Sintered cutting edge</li> <li>Segment height: 10.0 mm; Maximum working speed 80 m/s</li> </ul>	115 x 22.23	1.7 x 10		13,200	1	6.28151*
	125 x 22.23	1.7 x 10		12,200	1	6.28152*
	150 x 22.23	1.7 x 10		10,200	1	6.28153*
	180 x 22.23	1.7 x 10		8,500	1	6.28154*
	230 x 22.23	1.7 x 10		6,600	1	6.28155*
 <p><b>Quality class »classic« / TC</b></p> <ul style="list-style-type: none"> <li>Special disc for all types of tiles, glazed and unglazed, natural stone slabs</li> <li>Good cutting performance and optimal tool life</li> <li>Sintered cutting edge, segment height: 7.0 mm; Maximum working speed 80 m/s</li> </ul>	115 x 22.23	1.7 x 7		13,200	1	6.28192*
	125 x 22.23	1.7 x 7		12,200	1	6.28193*
	150 x 22.23	1.7 x 7		10,200	1	6.28194*
	180 x 22.23	1.7 x 7		8,500	1	6.28195*
	230 x 22.23	1.7 x 7		6,600	1	6.28196*

Diamond cup-wheels

For hard materials, "professional" concrete quality class

**NEW**



- Powerful diamond grinding wheel. Particularly suited for grinding of thick concrete layers, leveling of concrete, preparation of concrete, removal of sludge skins and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, leveling of granite, natural stone and other very hard materials, for clean processing of edges, without chipping

Diameter x bore hole mm	Segment number	Sales unit	Order no.
125 x 22.23	16	1	6.28205*

For abrasive materials, "professional" abrasive quality class

**NEW**



- Powerful diamond grinding cup wheel. Particularly suited for grinding of fresh concrete coatings, chalk and cement plaster, gypsum filler, leveling of fresh screed, removal of tile adhesive and processing of marble

Diameter x bore hole mm	Segment number	Sales unit	Order no.
125 x 22.23	16	1	6.28206*

For concrete coatings, "professional" quality class

**NEW**



- Powerful special cup wheel. Ideally suited for spot grinding and removal of elastic protective coatings (on soft and hard surfaces), adhesives, sealants, removal of latex and oil paints, bitumen, PU/polyurethane, epoxy, elastic adhesive, for abrading of resin plaster and hard cement plaster.
- Cup wheel equipped with PCD segments (poly-crystalline diamonds). By virtue of the PCD segments, particularly problematic coatings are removed quickly and effectively without bonding.

Diameter x bore hole mm	Sales unit	Order no.
125 x 22.23	1	6.28208*

For hard materials, »classic« concrete quality class

**NEW**



- Double-coated diamond cup wheel for grinding of thick concrete layers, leveling of concrete, preparation of concrete, removal of sludge skins and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, leveling of granite, natural stone and other very hard materials

Diameter x bore hole mm	Segment number	Sales unit	Order no.
125 x 22.23	20	1	6.28209*

\* Self-service packaging

Diamond Drill Bits for tiles M14 »Dry«

NEW



- M14 Thread for use on angle grinders
- Vacuum hard soldered diamonds for a long service life and quick drilling progress
- Opening in the shaft for easy removal of the drilled core
- Developed for dry use, no separate cooling required

Diameter mm	Overall length	Working length	Sales unit	Order no.
6			1	6.28300*
8			1	6.28301*
10			1	6.28302*
12			1	6.28303*
14			1	6.28304*
18			1	6.28305*
20			1	6.28306*
25			1	6.28307*
32			1	6.28308*
35			1	6.28309*
40			1	6.28310*
45			1	6.28318*
50			1	6.28311*
55			1	6.28312*
60			1	6.28313*
68			1	6.28314*
75			1	6.28315*
82			1	6.28316*

Diamond Drill Bit Set for tiles

NEW



- Diamond Drill Bit Set for tiles »Dry«, 7 pieces**
- M14 Thread for use on angle grinders.
  - Vacuum hard soldered diamonds for a long service life and quick drilling progress.
  - Opening in the shaft for easy removal of the drilled core.
  - Developed for dry use, no separate cooling required.
- Set consisting of: 1 each 1 x Ø 6 mm, 8 mm, 14 mm, 35 mm, 40 mm, 50 mm, 68 mm; 1 x Plusbox 6.23581

Order no.

6.28317

Other accessories for angle grinders

Bench cut-off stand



- Bench cut-off stand**
- Suitable for all Metabo angle grinders with cutting disc Ø 230 mm
  - For secure fixed use of the angle grinder as a cutting machine: also suitable for mitre cuts up to 45°
  - Largest cut depth when using an angle grinder with cutting wheel 230 mm: 50 mm; maximum span width: 100 mm
  - Dimensions of table top: 244 x 321 mm; table height: 34.5 mm
  - Scope of delivery: length stop, Allen wrench 6 mm
- Weight: 9.7 kg

Order no.

6.35000

Cutting guard clip

NEW



- For working with bonded cutting discs
- The cutting guard clip is simply attached to the existing guard of the angle grinder
- Material: plastic
- Suitable for Metabo angle grinder: W..8-..; W..9-..; W..10-..; W..11-..; W..12-..; W..14-..; W..15-..; W..17-..; W 18 LTX; from year of construction 2008

	Order no.
Cutting guard clip for Ø 100 mm	6.30346
Cutting guard clip for Ø 115 mm	6.30351
Cutting guard clip for Ø 125 mm	6.30352
Cutting guard clip for Ø 150 mm	6.30353

Cutting blade guards, semi-enclosed

Grinding disc Ø mm	Suitable for	Order no.
<b>Abrasive cutting safety cover, half-closed, with quick adjuster</b>		
		
180	Metabo angle grinder Ø 180 mm	6.30370
230	Metabo angle grinder Ø 230 mm	6.30371
125	WEF 9-125 / WF 18 LTX 125	6.30355
125	WQ 1000	6.30373
115	Metabo cordless angle grinder Ø 115 mm	6.30374
125	Metabo cordless angle grinder Ø 125 mm	6.30375
180	W 17-180 / WX 17-180	6.30388
<b>Abrasive cutting safety cover, half-closed, with holding bolt</b>		
		
100	W 6-100	6.30813
115	W 6-115	6.30814
125	W 6-125	6.30815
180	W 2000 / WX 2000	6.30386
230	W 2000 / WX 2000	6.30387

Dust protection filter

NEW



- The fine mesh filter prevents coarse particles from entering the motor housing, such as e.g. aluminium shavings, abrasive cloth or fibre discs, accumulations of polishing paste or pieces of rock. Using the filter during these applications increases the service life of the machine.
- Quick and 100% cleaning of the filter thanks to outside dust grille. The smooth surface, without disturbing edges, corners or ridges prevents the formation of dust accumulation.
- Simple, tool-free installation and removal of the filter thanks to mounting hook for the air vents

	Order no.
Dust protection filter for all angle grinders W12-1xx to WE 17-1xx with standard switch	6.30791
Dust protection filter for all angle grinders WP12-1xx to WEP 17-1xx with paddle switch	6.30792

\* Self-service packaging

Cutting blade guards with cutting guides

	Order no.
<ul style="list-style-type: none"> <li>With nozzles for vacuuming dust from cutting stone slabs</li> </ul>	
 <p><b>Guard 115/125 mm</b> For Metabo angle grinders 115/125 mm, with Guard adjustment using a lever without the need for tools, except WEA 14-125 Plus. Grinding disc Ø: 115/125 mm Maximum cutting depth: 19/25 mm</p>	6.31151
 <p><b>Guard 115/125 mm</b> For Metabo angle grinders 115/125 mm, with tensioning screw Grinding disc Ø: 115/125 mm Maximum cutting depth: 19/25 mm</p>	6.31165
 <p><b>Guard 180 mm</b> For Metabo angle grinders 180 mm, up to construction in 2009, with tensioning screw Grinding disc Ø: 180 mm Maximum cutting depth: 42 mm</p>	6.31166
 <p><b>Guard 230 mm</b> For Metabo angle grinders 230 mm, up to construction in 2009, with tensioning screw Grinding disc Ø: 230 mm Maximum cutting depth: 68 mm</p>	6.31167

Cup wheel guards

	Order no.
 <p><b>Cup wheel guard</b>  <ul style="list-style-type: none"> <li>For angle grinders with grinding wheel Ø of 115 mm, 125 mm and 150 mm, for use of cup wheels</li> <li>Adjustable</li> </ul> </p>	6.23276

Support handles for angle grinders

	Order no.
 <p><b>Metabo VibraTech (MVT) handle, M 14</b>  <ul style="list-style-type: none"> <li>Suitable for all two-hand operated angle grinders with M 14 thread</li> </ul> </p>	6.27360*
 <p><b>Metabo VibraTech (MVT) handle, M 8</b>  <ul style="list-style-type: none"> <li>Suitable for Metabo one-hand operated angle grinders with M 8 thread</li> </ul> </p>	6.27361*
<p><b>NEW</b></p>  <p><b>Multiple position bar for side handle</b>  <ul style="list-style-type: none"> <li>The 180° bar permits infinite, individual adjustment of the second bar position for ergonomic, low-fatigue working e.g. for cutting jobs or for left-handed users</li> <li>The side handle can be adjusted without tools for changing working positions</li> <li>The robust hexagon shape permits folding the side handle to the rear (at an angle of 45° to the machine) for safe, two-handed operation in confined spaces</li> <li>Suitable for W..9-1.; WEV 10-125; W..12-1.; WE15-1.; WE..17-1.; W..8-1.; WE9-125; W..11-1.; WEQ 1400-125; WE14-1..</li> </ul> </p> 	6.27362

Hand guard

	Order no.
 <p><b>Hand guard</b>  <ul style="list-style-type: none"> <li>For fitting under the angle grinder's side support handle when working with the backing pads</li> <li>For all angle grinders</li> </ul> </p>	6.30327

Inner Support Flange

	Order no.
 <p><b>Inner Support Flange</b>  <ul style="list-style-type: none"> <li>For all angle grinders, except W 7-100</li> </ul> </p>	6.30705

Flange nut

	Order no.
 <p><b>Flange nut</b>  <ul style="list-style-type: none"> <li>For all angle grinders with M 14-spindle thread</li> </ul> </p>	6.30706

Quick Flange Nut

	Order no.
	
<p><b>"Quick" flange nut M 14</b>  <ul style="list-style-type: none"> <li>For all large angle grinders; suitable for other makes (required minimum free spindle length 10 mm); required thread connection M 14; tool-free disc change</li> </ul> </p>	6.30800*
<p><b>Metabo Quick flange nut M 14</b>  <ul style="list-style-type: none"> <li>Especially for Metabo Quick system for tool-less disc change at the touch of a button. Suitable for all small Metabo angle grinders with red M-Quick spindle button, except W6-115, W-125, required thread connection M 14</li> </ul> </p>	6.30802*

Flat-pin Spanner

	Order no.
 <p><b>Flat-pin Spanner</b> For angle grinders with disc diameter 100 mm - 150 mm Model: straight Grinding disc Ø: 100/150 mm</p>	6.23934*
 <p><b>Flat-pin Spanner</b> For angle grinders with disc diameter 180 mm - 230 mm Model: straight Grinding disc Ø: 180/230 mm</p>	6.23935*
 <p><b>Flat-pin Spanner</b> For angle grinders with disc Ø 115-230 mm Model: offset Grinding disc Ø: 115/230 mm</p>	6.23910*

\* Self-service packaging



Technical Data	Angle Polishers PE 12-175	Angle Polishers PE 12-175 Set	Angle Polishers PE 12-175 Set
For backing pad up to max.	175 mm	175 mm	175 mm
Rated input power	1,200 W	1,200 W	1,200 W
Output power	680 W	680 W	680 W
No-load speed	700 - 2,200 /min	700 - 2,200 /min	700 - 2,200 /min
Speed at rated load	2,200 /min	2,200 /min	2,200 /min
Torque	14 Nm	14 Nm	14 Nm
Spindle thread	M 14	M 14	M 14
Weight without mains cable	2.4 kg	2.4 kg	2.4 kg
Cable Length	4 m	4 m	4 m

Scope of delivery	6.02175.00 <sup>1)</sup>	6.02175.91	6.02175.87
Order no.			
Hand Guard	■	■	■
Side Handle	■	■	■
Safety Goggles			■
1 Cling-fit Backing Pad (150mm, hard)		■	
1 Cling-fit Polishing Sponge, (160x25 mm; coarse)		■	
1 Cling-fit Lambswool Polishing Disc (160mm)		■	
3 Disc Brushes (130mm; P46, P60, P80)			■
Plastic Carry Case			■
without polishing disc	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Renovation set with powerful polisher for restoration of beams of half-timbered houses or for restructuring wood for a perfect rustic effect
- Powerful polisher with two-level reduced gear for fine grinding and high-gloss polishing of stainless steel and stone surfaces as well as automotive paints
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Ergonomic front cap for safe, low-fatigue guiding
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor

**System Components**

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**For polishing**

**Cling-fit backing pad**



- Velcro-faced, for attaching polishing and sanding accessories

Diameter mm	Thickness mm	Female thread	Sales unit	Order no.
113	2	M 14	1	6.24840*
123	12	M 14	1	6.23287*
147	12	M 14	1	6.23288*
173	12	M 14	1	6.23289*
113	12	5/8 "	1	6.23272*
173	12	5/8 "	1	6.23273*

**Pressure polishing sponge, coarse**



- For polishing up weathered paintwork

Diameter mm	Thickness mm	Sales unit	Order no.
80	25	1	6.24912*
130	25	1	6.24913*
160	25	1	6.24915*
160	50	1	6.24916*
200	25	1	6.24917*

**Pressure polishing sponge, fine**



- For polishing paintwork

Diameter mm	Thickness mm	Sales unit	Order no.
80	20	1	6.24092*
130	25	1	6.24967*
130	50	1	6.24926*
160	25	1	6.24968*
160	50	1	6.24927*
200	25	1	6.24925*
200	50	1	6.24928*

Pressure polishing sponge, profiled



- For polishing paintwork

Diameter mm	Thickness mm	Sales unit	Order no.
160	25	1	6.24937*

Cling-fit polishing felt, hard



- For polishing up paintwork, non-ferrous metals, and steel sheets

Diameter mm	Thickness mm	Sales unit	Order no.
130	5	1	6.31242*
150	5	1	6.31168*

Pressure polishing felt, soft



- For polishing up paintwork, non-ferrous metals, and steel sheets

Diameter mm	Thickness mm	Sales unit	Order no.
130	5	1	6.24964*
155	5	1	6.24965*
180	5	1	6.24966*

Cling-fit lambswool polishing disc



- For high-gloss polishing

Diameter mm	Sales unit	Order no.
85	1	6.24063*
185	1	6.24929*
160	1	6.31217*
130	1	6.31223*

Felt polishing discs



- With female thread M 14

Diameter mm	Sales unit	Order no.
125	1	6.23260*
175	1	6.23261*

Lambswool bonnets with tightening cord



- For high-gloss polishing

Diameter mm	Sales unit	Order no.
130	1	6.23266*
160	1	6.23267*
180	1	6.23265*

Buffing mops



- 6.23246, made from gray-cotton cloth for general polishing work
- 6.23247, made from flannel for high-gloss polishing work

Diameter mm	Thickness mm	Sales unit	Order no.
200	20	1	6.23246*
200	20	1	6.23247*

For sanding/finishing

Cling-fit abrasive nylon web



- For roughing, cleaning, scouring etc.

Diameter mm	Grit	Sales unit	Order no.
80	P 100	2	6.24067*
80	P 280	2	6.24068*
125	P 100	1	6.31238*
125	P 280	1	6.31239*
150	P 100	1	6.24038*
150	P 280	1	6.24039*

\* Self-service packaging

Cling-fit Sanding Sheets



- Cling-fit sanding sheets for the backing pad 6.24840 (diameter: 115 mm) or 6.23287 (diameter: 125 mm)

Diameter mm	Grit	Sales unit	Order no.
115	P 40	25	6.24864
115	P 60	25	6.24865
115	P 80	25	6.24866
115	P 120	25	6.24867
125	P 40	25	6.26087
125	P 60	25	6.26088
125	P 80	25	6.26089
125	P 120	25	6.26090

Plastic disc brushes



- SiC grinding filaments, undulated, Ø 1.27 mm. For processing, deburring, grinding and structuring of surfaces. Suitable for steel, cast steel, NF-metals, wood, and plastics.

Diameter mm	Grit	Sales unit	Order no.
130	P 46	1	6.23740
130	P 60	1	6.23741
130	P 80	1	6.23742

Additional Accessories for Polishers

Vienna lime



- Vienna lime**
- For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.
  - Contents: 300 g, shaker

Order no.  
6.26399

Extension



- Extension M 14/ M 14**
- For working with the backing pads; increases the distance between the machine spindle and the backing pad by approximately 35 mm; with M 14 female thread and M 14 male thread

Order no.  
6.31360\*

Anchor-head holder for buffing mops



- Anchor-head holder**
- For 2 buffing mops with flanges and adjusting nut

Order no.  
6.23107\*

\* Self-service packaging



Technical Data

Wet Polisher PWE 11-100

For backing pad up to max.	125 mm
Rated input power	1,100 W
Output power	620 W
No-load speed	1,700 - 6,100 /min
Speed at rated load	5,400 /min
Torque	2.6 Nm
Spindle thread	M 14
Weight without mains cable	2.2 kg
Cable Length	4 m

Scope of delivery

Order no.	6.02050 <sup>1)</sup>
Bow type handle	■
Front cap	■
PRCD safety switch	■
without backing pad and polishing disc	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Polisher for wet processing of granite, marble and other high-quality types of rock
- Metabo Marathon-Motor with patented dust protection for long service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Adjustable, external water supply for exact metering
- Housing cap for protection from splashes
- Adjustable front handle for safe and uniform guidance when polishing
- PRCD safety switch integrated in the mains cable
- Metabo S-automatic safety clutch: direct mechanical decoupling in case of jamming of the polishing pad minimises kickback - for high safety and swift progress; proven for decades
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- Restart protection: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor

System Components

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03

04

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14

Cling-fit backing pad



- With velcro and flexible middle section, foam-moulded, for application of flexible self adhesive diamond polishing discs. Grinding disc for polishing and curved polishing.

Diameter mm	Thickness mm	Female thread	Sales unit	Order no.
100	12	M 14	1	6.26148*
100	12	5/8 "	1	6.26149*

Diamond self-adhesive polishing discs, dry



- High-quality diamond self-adhesive polishing discs in resinoid bonding, especially for dry use
- Suitable for grinding, material removal, deburring and polishing marble, natural stone, granite.
- High cutting output with very good tool life
- Ideal for grinding/polishing concave and convex curves and profiles.  
"Buff black": For fine finishing/ polishing of very hard, but rather darker types of granite.  
"Buff white": For fine finishing/ polishing of more abrasive materials, marble, rather lighter types of granite.

Diameter mm	Grit	Sales unit / packaging unit	Order no.
100	K 50	5	6.26130
100	K 100	5	6.26131
100	K 200	5	6.26132
100	K 400	5	6.26133
100	K 800	5	6.26134
100	K 1500	5	6.26135
100	K 3000	5	6.26136
100	Buff black	5	6.26137
100	Buff white	5	6.26138

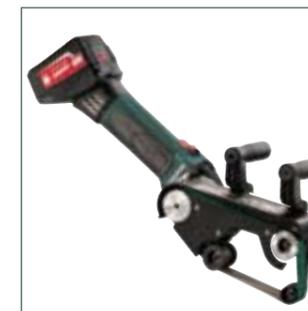
Diamond self-adhesive polishing discs, wet



- High-quality diamond self-adhesive polishing discs in resinoid bonding, especially for wet use with the wet polisher
- Suitable for grinding, material removal, deburring and polishing marble, natural stone, granite.
- High cutting output with very good tool life
- Ideal for grinding/polishing concave and convex curves and profiles.

Diameter mm	Grit	Sales unit / packaging unit	Order no.
100	K 50	5	6.26139
100	K 100	5	6.26140
100	K 200	5	6.26141
100	K 400	5	6.26142
100	K 800	5	6.26143
100	K 1500	5	6.26144
100	K 3000	5	6.26145
100	Buff black	5	6.26146
100	Buff white	5	6.26147

\* Self-service packaging



# Processing Stainless Steel

# Which stainless steel machine for which application?

## Cordless Tools

		Place of application	Work near walls	Smoothing of weld seams	Removal of annealing colours	Polishing	Grinding / linear structuring	Removal of scratches	Order no.
	Inox Cordless Angle Grinder W 18 LTX 125 Inox	Spot processing		■	■	■		■	6.00174
	Cordless Burnishing Machine S 18 LTX 115	Surfaces	■	■	■		■		6.00154
	Cordless Tube Belt Sander RB 18 LTX 60	Pipes up to Ø 60 mm	■	■	■		■	■	6.00192
	Cordless Band File BF 18 LTX 90	Tight spaces	■	■	■		■	■	6.00321
	Cordless Fillet Weld Grinder KNS 18 LTX 150	Fillet Welds		■	■				6.00191

## Mains-powered Tools

		Place of application	Working near walls	Smoothing of weld seams	Removal of annealing colours	Polishing	Grinding / linear structuring	Removal of scratches	Order no.
	Inox angle grinder WEV 15-125 Quick Inox	Spot processing		■	■	■		■	6.00572
	Burnishing Machine SE 12-115	Surfaces	■	■	■	■	■		6.02115
	Tube Belt Sanders RBE 12-180	Pipes up to Ø 180 mm		■	■	■	■		6.02132
	Tube Belt Sanders RBE 9-60	Pipes up to Ø 60 mm	■	■	■	■	■	■	6.02183
	Band File BFE 9-90	Tight spaces	■	■	■		■	■	6.02134
	Fillet Weld Grinder KNSE 12-150	Fillet Welds		■	■	■			6.02133

■ suitable  
■ highly suitable



### Technical Data

	Angle Grinder WEV 15-125 Quick Inox Set	Angle Grinder WEV 15-125 Quick Inox
Grinding disc Ø	125 mm	125 mm
Rated input power	1,550 W	1,550 W
Output power	940 W	940 W
No-load speed	2,000 - 7,600 /min	2,000 - 7,600 /min
Speed at rated load	7,600 /min	7,600 /min
Torque	6.4 Nm	6.4 Nm
Spindle thread	M 14	M 14
Weight without mains cable	2.5 kg	2.5 kg
Cable length	4 m	4 m

### Scope of delivery

Order no.	6.00572.50	6.00572.00 <sup>1)</sup>
Protective Cover	■	■
Inner Support Flange	■	■
Quick Flange Nut	■	■
Side Handle Metabo VibraTech (MVT)	■	■
2 Combi-Abrasive Flap Disc (intermediate)	■	
Unitized Fleece Compact Disc	■	
Pyramid Cling-fit Backing Pad (Ø 125 mm)	■	
Cling-fit Backing Pad (soft, Ø 125 mm)	■	
15 Cling-fit Sanding Sheets Metabo Pyramid ( 5 each of A30/A45/A65)	■	
Cling-fit Abrasive Nylon Web P280	■	
Sheet Steel Carry Case	■	

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- Very high torque thanks to the low gearing for cool grinding and perfect stainless steel finish
- New, patent-pending Ultra-Marathon motor for even longer service life even in the toughest of applications
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Metabo Quick System for tool-free disc change at the touch of a button by means of quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic torque limiting clutch: direct mechanical decoupling of the drive if the disc jams
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Gear housing can be oriented at 90° steps for left-handed operation or for cutting via 4 mounting screws.
- Auto-stop carbon brushes to protect the motor

### System components

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**Technical Data**

**Cordless Angle Grinder W 18 LTX 125 Quick Inox Set**

**Cordless Angle Grinder W 18 LTX 125 Quick Inox**

Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
Grinding disc Ø	125 mm	125 mm
No-load speed	5,000 /min	5,000 /min
Spindle thread	M 14	M 14
Weight (with battery pack)	2.4 kg	2.4 kg

**Scope of delivery**

Order no.	6.00174.88 <sup>1)</sup>	6.00174.85 <sup>1)</sup>
Protective cover	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side handle	■	■
Dust filter	■	■
2 Combination Lamellar Grinding Discs (125x22.23 mm, medium)	■	
1 Fleece Compact Discs (125x15x22.23 mm, very fine)	■	
1 Cling-fit Backing Pad (125 mm, hard)	■	
1 Cling-fit Backing Pad (125 mm, soft)	■	
5 Pyramid Cling-fit Sanding Sheets (125 mm, P600/A30)	■	
Cling-fit Nylon Web Disc (125 mm; P280)	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Quick Charger ASC 30-36 V	■	
Sheet Steel Carry Case	■	
without battery, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Speed and torque configured precisely for stainless steel processing ensuring a cool grinding action with perfect finish
- Slim design for prolonged comfort when working overhead or in areas with limited space
- Robust motor for long service life
- Metabo "Quick" for changing discs by means of quick-adjusting nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protecting motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

**System components**

153 → Accessories | 66 → Battery packs

**Fleece Compact Grinding Plate »Unitized« - VKS**



- Made of compacted fleece material on a fibreglass disc
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels

Diameter x thickness x bore hole mm	Grit	Sales unit / packaging unit	Order no.
125 x 22.23	Very fine	1 / 1	6.26368*
125 x 22.23	Very fine	5 / 5	6.26417

**Fleece Compact Grinding Disc »Unitized« - VKS ZK**



- Several layers of pressed fleece material, soaked with resin-bonded abrasive grain (zirconia alumina)
- The addition of abrasive grain permits jobs from deburring to soft and flexible finishing jobs. It is suited for deburring, smoothing of weld seams, precise cleaning and finishing of surfaces.
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels
- Profiling of the grinding media possible for precise working. Very low raw depth of the processed material. Drilled hole 22.23 mm (for angle grinder). Max. 10,000 min-1

Diameter x thickness x bore hole mm	Grit	Sales unit / packaging unit	Order no.
125 x 6 x 22.23	Coarse	1 / 5	6.26482
125 x 6 x 22.23	Medium	1 / 5	6.26483

**Combi Lamellar Grinding Disc - KLS**



- Made from high-quality pink aluminium oxide fabric in combination with high-quality grinding fleece.
- For removal of material to fine polish in a single process. Very even grinding results with good material removal.
- For processing weld seams, for example, for grinding or polishing. For removing minor scratches and damage to the work piece.
- Suitable for grinding, cleaning and finishing work on stainless steel, steel, coloured and light metals, titanium alloys.

Diameter x bore hole mm	Grit	Sales unit / packaging unit	Order no.
125 x 22.23	Coarse	1 / 1	6.26369*
125 x 22.23	Coarse	5 / 5	6.26415
125 x 22.23	Medium	1 / 1	6.26370*
125 x 22.23	Medium	5 / 5	6.26416

**Lamellar Grinding Discs**



- Quality Class Ceramics »Flexiamant Super Convex«**
- Specially shaped lamellar grinding plate with lamellae that are rounded off towards the outer edges.
  - Thanks to the special design it is particularly suited for processing fillet welds, faster and more efficient processing possible; also suitable for surface grinding
  - Very high cutting output with very high tool life thanks to the use of ceramic grain.
  - Cool cut for materials with poor thermal conduction
  - For grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.
  - Maximum working speed: 80 m/s

Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
125 x 22.23	P 60	—	12,200	1/10	6.26460
125 x 22.23	P 80	—	12,200	1/10	6.26461

**NEW**



**Quality class zirconia alumina »Flexiamant Convex«**

- Specially shaped lamellar grinding plate with lamellae that are rounded off towards the outer edges.
- Grinding media: Zirconia alumina
- Thanks to the special design it is particularly suited for processing fillet welds, faster and more efficient processing possible; also suitable for surface grinding
- High cutting output with very high tool life thanks to the use of zirconia alumina.
- Suitable for processing stainless steel and steel.
- Maximum working speed: 80 m/s

Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
125 x 22.23	P 40		12,200	1/10	6.26462
125 x 22.23	P 60		12,200	1/10	6.26463
125 x 22.23	P 80		12,200	1/10	6.26464

**Flap Sanding Wheel**

**NEW**



**Quality class ceramics »Flexiamant Super«**

- Lamellar grinding wheel with straight, profiled lamellae particularly suited for processing fillet welds. The profiled lamellae, arranged radially in the shape of a fan, adapt exceptionally well to the contours of the work piece. Ideally suited for an evenly smooth weld seam. Thanks to the offset shape it can also be used at hard to reach places.
- Very high cutting output with very high tool life thanks to the use of ceramic grain.
- Excellent results for surface and edge grinding grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.
- Cool cut for materials with poor thermal conduction

Diameter x bore hole mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
125 x 8 x M 14	P 40		10,000	1/5	6.26470
125 x 8 x M 14	P 60		10,000	1/5	6.26471

**Cling-fit Backing Pad »Metabo Pyramid«**



- Velcro-faced and with flexible intermediate layer, foam-molded; for attaching polishing and sanding accessories
- Sanding plate for polishing and medium-hard grinding jobs. Especially recommended for Metabo Pyramid cling-fit sanding sheets

Female thread	Diameter mm	Thickness mm	Sales unit	Order no.
5/8 "	123	3	1	6.23298*
M 14	123	3	1	6.23300*

**»Metabo Pyramid« Cling-fit Sanding Sheets**



- 3-dimensional structure of the grinding media (pyramid-shaped).
- High removal of material with, at the same time, a very even and fine grinding result. Long service life. Faster progress when compared to tradition grinding media thanks to the considerable reduction in the number of working stages.
- For removing scratches, mill skin on stainless steel. Preparation for polishing.
- Suitable for use throughout the metal industry; especially for stainless steels, titanium, cobalt, nickel, chrome alloys.

Diameter mm	Grit	Sales unit / packaging unit	Order no.
125	P 120 (A 160)	5 / 5	6.26371*
125	P 280 (A 65)	5 / 5	6.26372*
125	P 400 (A 45)	5 / 5	6.26373*

Diameter mm	Grit	Sales unit / packaging unit	Order no.
125	P 600 (A 30)	5 / 5	6.26374*
125	P 1200 (A 16)	5 / 5	6.26403*
125	P 2000 (A6)	5 / 5	6.26404*

**Fleece Compact Grinding Discs »Unitized« - VKS ZK**



- Made from pressed fleece material
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickle steels, titanium, steels.

Diameter mm	Grit	Sales unit / packaging unit	Order no.
125	Very fine	1 / 1	6.26375*

**Cleaning Fleece**



- For the removal of light rust, paint/varnish on metal, cleaning weld seams/steel/copper/aluminium/brass, sanding steel, texturing wood.

Diameter x bore hole mm	Order no.
115 x 22.23	6.24346*
125 x 22.23	6.24347*

**Further Accessories for Inox Angle Grinders**



**Vienna lime**

- For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.
- Contents: 300 g, shaker

Order no.

6.26399



**Stainless steel adhesive tape**

- For mitre cuts of welded stainless steel profiles.
- Dimensions: 2.5 m x 40 mm

6.26376



**3 Micro-fibre Cloths 380 x 380 mm**

- For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue
- Suitable for all metals and hard plastics

6.26398\*



**Spray for Stainless Steel Care 400 ml**

- For cleaning, conserving and sealing of surfaces, especially of stainless steels.

6.26377

\* Self-service packaging



Technical Data	Band File BFE 9-90 Set	Band File BFE 9-90
Rated input power	900 W	900 W
Output power	510 W	510 W
No-load belt speed	3.8 - 9 m/s	3.8 - 9 m/s
Grinding belt width	6 - 19 mm	6 - 19 mm
Grinding belt length	457 mm	457 mm
Useful length of grinding belt arm	90 mm	90 mm
Weight without mains cable	2.3 kg	2.3 kg
Cable length	4 m	4 m

Scope of delivery

Order no.	6.02134.50	6.02134.51 <sup>1)2)</sup>
Side handle	■	■
Grinding Belt Arm 1 (for belt width 6 and 13 mm)	■	■
Grinding Belt Arm 3 (for belt width 13 mm)	■	
10 Zirconia Sanding Belts (6x457 mm, P60)	■	
10 Zirconia Sanding Belts (6x457 mm, P120)	■	■
10 Zirconia Sanding Belts (13x457 mm, P60)	■	
10 Zirconia Sanding Belts (13x457 mm, P120)	■	
3 Nylon Web Bands (6x457 mm; coarse)	■	
3 Nylon Web Bands (6x457 mm; medium)	■	
3 Nylon Web Bands (6x457 mm; very fine)	■	
3 Nylon Web Bands (13x457 mm; coarse)	■	
3 Nylon Web Bands (13x457 mm; medium)	■	
3 Nylon Web Bands (13x457 mm; very fine)	■	
Hexagonal Wrench	■	■
Sheet Steel Carry Case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Powerful, compact band file for grinding, burnishing and deburring at places difficult to reach
- Metabo Maraton motor with patented dust protection for long service life
- Vario-Constamatic (VC)-Full Wave Electronics with thumbwheel for working with customised speeds for the materials used that remain almost constant under load
- Tool-free change of sanding belt and adjustable belt guide
- Grinding attachment can be swivelled by 270° for perfect adaptation to any working position
- Electronic soft start for smooth startup
- Auto-stop carbon brushes to protect the motor

System components

158 → Accessories



Technical Data	Cordless Band File BF 18 LTX 90 Set	Cordless Band File BF 18 LTX 90
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
No-load belt speed	8 m/s	8 m/s
Grinding belt width	6 - 19 mm	6 - 19 mm
Grinding belt length	457 mm	457 mm
Useful length of grinding belt arm	90 mm	90 mm
Weight (with battery pack)	2.6 kg	2.6 kg

Scope of delivery

Order no.	6.00321.88 <sup>1)</sup>	6.00321.85
Side Handle	■	■
Dust Filter	■	■
Grinding Belt Arm 1 (for belt width 6 and 13 mm)	■	■
Grinding Belt Arm 3 (for belt width 13 mm)	■	
10 Grinding Belts Ceramic (6x457 mm; P80)	■	
10 Grinding Belts Ceramic (13x457 mm; P80)	■	
3 Nylon Web Bands (6x457 mm; medium)	■	
3 Nylon Web Bands (13x457 mm; medium)	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Quick Charger ASC 30	■	
Sheet Steel Carry Case	■	
Hexagonal Wrench	■	■
without battery pack, without charger		■

Equipment variants can be found in the Metabo price list and on the internet

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Powerful, compact cordless band file for grinding, burnishing and deburring in places difficult to reach
- Robust motor for long service life
- Tool-free change of sanding belt and adjustable belt guide
- Grinding attachment can be swivelled by 270° for perfect adaptation to any working position
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

System components

158 → Accessories

66 → Battery packs

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**Aluminium Oxide Sanding Belts**



- For use throughout the metal industry. Grinding materials with stable cotton base.
- Good cutting output with good tool life. Even grinding results.

Dimensions mm	Grit	Sales unit	Order no.
6 x 457	P 40	10	6.26326*
6 x 457	P 60	10	6.26327*
6 x 457	P 80	10	6.26328*
6 x 457	P 120	10	6.26329*
13 x 457	P 40	10	6.26332*
13 x 457	P 60	10	6.26333*
13 x 457	P 80	10	6.26334*
13 x 457	P 120	10	6.26335*
13 x 457	P 240	10	6.26337*
19 x 457	P 40	10	6.26338*
19 x 457	P 60	10	6.26339*
19 x 457	P 80	10	6.26340*
19 x 457	P 120	10	6.26341*

**Zirconia Alumina Sanding Belts**



- For all metal uses, particularly suited to the processing of rust-free steel/stainless steel. Grinding material with cotton base.
- High cutting output with good service life. Even grinding results.
- For rough-polishing and deburring of steel and stainless steel

Dimensions mm	Grit	Sales unit	Order no.
6 x 457	P 40	10	6.26344*
6 x 457	P 60	10	6.26345*
6 x 457	P 80	10	6.26346*
6 x 457	P 120	10	6.26347*
13 x 457	P 40	10	6.26348*
13 x 457	P 60	10	6.26349*
13 x 457	P 80	10	6.26350*
13 x 457	P 120	10	6.26351*
19 x 457	P 40	10	6.26352*
19 x 457	P 60	10	6.26353*
19 x 457	P 80	10	6.26354*
19 x 457	P 120	10	6.26355*

**Ceramic Grain Sanding Belts**



- For all metal uses, particularly suited to the processing of rust-free steel/stainless steel. Grinding material with cotton base.
- Extremely high cutting output with extremely high tool life thanks to the self-sharpening ceramic grain. Even grinding and best results.
- For pre-polishing and fine polishing, for example, of contours, profiles, etc.

Dimensions mm	Grit	Sales unit	Order no.
6 x 457	P 40	10	6.26356*
6 x 457	P 60	10	6.26357*
6 x 457	P 80	10	6.26358*
6 x 457	P 120	10	6.26359*
13 x 457	P 40	10	6.26360*
13 x 457	P 60	10	6.26361*
13 x 457	P 80	10	6.26362*
13 x 457	P 120	10	6.26363*
19 x 457	P 40	10	6.26364*

Dimensions mm	Grit	Sales unit	Order no.
19 x 457	P 60	10	6.26365*
19 x 457	P 80	10	6.26366*
19 x 457	P 120	10	6.26367*

**Nylon Web Bands**



- For grinding, cleaning and finishing work. For removing scratches, colour runs and oxide layers.
- For preparing, pre-grinding and polishing weld seams

Dimensions mm	Grit	Sales unit	Order no.
6 x 457	Coarse	5	6.26383*
6 x 457	Medium	5	6.26384*
6 x 457	Very fine	5	6.26386*
13 x 457	Coarse	5	6.26387*
13 x 457	Medium	5	6.26388*
13 x 457	Very fine	5	6.26390*
19 x 457	Coarse	5	6.26391*
19 x 457	Medium	5	6.26392*
19 x 457	Very fine	5	6.26394*

**Sanding Belt Arms**



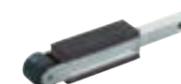
- Sanding Belt Arm 1**
- Standard equipment of the machine. Suitable for sanding belts 6 x 457 mm and 13 x 457 mm.
  - For sanding narrow areas, weld seams, deburring edges, sanding grooved sections on tongued and groove boards.



- Sanding Belt Arm 2**
- Suitable for sanding belts 6 x 457 mm.
  - For sanding narrow areas, edges, deburring pipes, sanding grooved sections on tongued and groove boards.



- Sanding Belt Arm 3**
- Suitable for sanding belts 13 x 457 mm. Set equipment
  - For sanding edges, deburring pipes, sanding blunt welds.



- Sanding Belt Arm 4**
- Suitable for sanding belts 19 x 457 mm.
  - For sanding edges and surfaces. Sanding radii and overlaps.

**Additional accessories for belt files**



- Adapter Band File**
- For extension of the sanding belt arms. For the use of sanding belts with a belt length of 520 mm and 533 mm.



- Vienna lime**
- For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.
  - Contents: 300 g, shaker



- 3 Micro-fibre Cloths 380 x 380 mm**
- For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue
  - Suitable for all metals and hard plastics



- Spray for stainless steel care 400 ml**
- For cleaning, conserving and sealing of surfaces, especially of stainless steels.



**Technical Data**

**Fillet Weld Grinder  
KNSE 12-150 Set**

Rated input power	1,200 W
Output power	720 W
No-load speed	1,300 - 4,000 /min
Disc diameter	150 mm
Spindle thread	M 14
Weight without mains cable	3.3 kg
Cable length	4 m

**Fillet Weld Grinder  
KNSE 12-150**

Rated input power	1,200 W
Output power	720 W
No-load speed	1,300 - 4,000 /min
Disc diameter	150 mm
Spindle thread	M 14
Weight without mains cable	3.3 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.02133.50	6.02133.51 <sup>1) 2)</sup>
Protective Cover	■	■
Inner Support Flange	■	■
Nut with two holes	■	■
Side Handle	■	■
Flat-pin Spanner	■	■
Hexagonal Wrench	■	■
1 Fleece Compact Disc (150x6x25.4 mm, medium)		■
2 Fleece Compact Discs (150x6x 25.4 mm, medium)	■	
2 Fleece Compact Discs (150x3x 25.4 mm, medium)	■	
2 Fleece Compact Discs (150x6x 25.4 mm, very fine)	■	
1 Polishing File	■	
25 Sanding paper strips for the file	■	
Sheet Steel Carry Case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Very flat fillet weld grinder for processing stainless steel fillet welds in tight spaces
- Metabo Maraton motor with patented dust protection for long service life
- Grinding arm can be swivelled by 270° for perfect adaptation to any working position
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Spindle lock for quick disc change
- Tool-free adjustable, removable guard
- Low-maintenance belt drive for long service life
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor

**System components**

162 → Accessories



**Technical Data**

**Cordless Fillet Weld Grinder  
KNS 18 LTX 150 Set**

Battery pack type	Li-Ion
Battery pack voltage	18 V
No-load speed	3,800 /min
Disc diameter	150 mm
Spindle thread	M 14
Weight (with battery pack)	3 kg

**Cordless Fillet Weld Grinder  
KNS 18 LTX 150**

Battery pack type	Li-Ion
Battery pack voltage	18 V
No-load speed	3,800 /min
Disc diameter	150 mm
Spindle thread	M 14
Weight (with battery pack)	3 kg

**Scope of delivery**

Order no.	6.00191.88 <sup>1)</sup>	6.00191.85
Protective Cover	■	■
Inner Support Flange	■	■
Nut with two holes	■	■
Side Handle	■	■
Dust Filter	■	■
1 Fleece Compact Disc (150x3x 25.4 mm, medium)	■	
1 Fleece Compact Disc (150x6x 25.4 mm, medium)	■	
1 Fleece Compact Disc (150x6x 25.4 mm, very fine)	■	
1 Profiling File	■	
25 Sandpaper strips for Files	■	
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Quick Charger ASC 30	■	
Sheet Steel Carry Case	■	
Flat-pin Spanner	■	■
Hexagonal Wrench	■	■
without battery pack, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Very flat cordless fillet weld grinder for processing stainless steel weld seams in tight spaces
- Robust motor for long service life
- Spindle lock for quick disc change
- Tool-free adjustable, removable guard
- Grinding arm can be swivelled by 270° for perfect adaptation to any working position
- Low-maintenance belt drive for long service life
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Battery packs with capacity display for checking the charge status

**System components**

162 → Accessories

66 → Battery packs

Fleece Compact Discs »Unitized« - VKS



- Made of compacted fleece material on a fibreglass disc
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickle steels, titanium, steels

Diameter x thickness x bore hole mm	Grit	Sales unit	Order no.
150 x 3 x 25.4	Medium	1	6.26400*
150 x 6 x 25.4	Very fine	1	6.26401*
150 x 6 x 25.4	Medium	1	6.26402*

Felt Disc



- For polishing stainless steel and non-ferrous metals, always in conjunction with a polishing paste.

Diameter x thickness x bore hole mm	Grit	Sales unit	Order no.
150 x 5 x 25.4	Soft	1	6.26395*

Additional accessories for fillet weld grinders

	Order no.
 <p><b>Profiling File, including 2 sanding paper strips P24</b>                      ■ For pre-profiling of »Unitized« fleece compact discs</p>	6.26396*
 <p><b>Sanding paper strips</b>                      Dimensions: 30 x 190 mm                      Grit: P 24                      Sales unit: 25</p>	6.26397
 <p><b>Vienna lime</b>                      ■ For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.                      ■ Contents: 300 g, shaker</p>	6.26399
 <p><b>3 Micro-fibre Cloths 380 x 380 mm</b>                      ■ For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue                      ■ Suitable for all metals and hard plastics</p>	6.26398*
 <p><b>Spray for stainless steel care 400 ml</b>                      ■ For cleaning, conserving and sealing of surfaces, especially of stainless steels.</p>	6.26377

\* Self-service packaging



Technical Data

	Burnishing Machine SE 12-115 Set	Burnishing Machine SE 12-115
Rated input power	1,200 W	1,200 W
Output power	720 W	720 W
No-load speed	900 - 2,800 /min	900 - 2,800 /min
Spindle thread	M 14	M 14
Grinding media diameter	100 - 200 mm	100 - 200 mm
Grinding media width	50 - 100 mm	50 - 100 mm
Weight without mains cable	3 kg	3 kg
Cable length	4 m	4 m

Scope of delivery

Order no.	6.02115.50 <sup>1)</sup>	6.02115.51 <sup>2)</sup>
Side handle	■	■
3 Spacer Rings for narrow rollers	■	
1 Expansion Roller (Ø90x100mm)	■	
3 Sanding Belts (Ø90x100mm; P80)	■	
1 Nylon Web Grinding Wheel (Ø105x100mm; P280)	■	
1 Lamellar Grinding Wheel (Ø105x100mm; P80)	■	
1 Lamellar / Nylon-web Grinding Wheel (Ø105x50mm; P180)	■	
Sheet Steel Carry Case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Powerful burnishing machine with double reduction gearing for polishing, burnishing, brushing and high-gloss polishing of e.g. stainless steel
- Metabo Maraton motor with patented dust protection for long service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
- Spindle lock and quick-adjusting nut for quick roller change without tools
- Smooth-running, form-fit arbor for a uniform finish
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor

System components

165 → Accessories

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Technical Data	Cordless Burnishing Machine S 18 LTX 115 Set	Cordless Burnishing Machine S 18 LTX 115
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
No-load speed	3,000 /min	3,000 /min
Spindle thread	M 14	M 14
Grinding media diameter	100 - 200 mm	100 - 200 mm
Grinding media width	50 - 100 mm	50 - 100 mm
Weight (with battery pack)	3.1 kg	3.1 kg

Scope of delivery	6.00154.88 <sup>1)</sup>	6.00154.85 <sup>1)</sup>
Order no.		
Side Handle	■	■
Dust Filter	■	■
3 Spacer Rings for narrow rollers	■	
1 Lamellar/ Nylon Web Grinding Wheel (Ø105x100 mm; P60)	■	
1 Lamellar/ Nylon Web Grinding Wheel (Ø105x100 mm; P80)	■	
1 Lamellar/ Nylon Web Grinding Wheel (Ø105x100 mm; P180)	■	
Single-ended spanner	■	■
Hexagonal Wrench		■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Quick Charger ASC 30	■	
Sheet Steel Carry Case	■	
without battery pack, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Compact cordless burnishing machine for grinding, burnishing, brushing and high-gloss polishing of e.g. stainless steel
  - Robust motor for long service life
  - Spindle lock and quick-adjusting nut for quick roller change without tools
  - Bracket for side handle with different mounting points; adjustable without tools
  - Smooth-running, form-fit roller arbor for a uniform finish
  - Battery pack can be swivelled for better working in hard to reach places.
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth startup
  - No-volt release switch: prevents unintentional startup after power cut
  - Battery packs with capacity display for checking the charge status

**System components**

- 165 → Accessories
- 66 → Battery packs

**Expansion Rollers**



**Expansion Roller**  
 ■ For using grinding belts and abrasive sleeves. The grinding belts/ abrasive sleeves are pushed over the roller and clamped securely by centrifugal force  
 Diameter: 90 mm  
 Width: 100 mm

Order no.  
6.23470

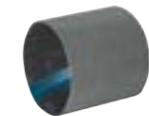


**Inflatable Expansion Roller**  
 ■ For using grinding belts and abrasive sleeves. The grinding belts/ abrasive sleeves are pushed over the roller. The air volume in the roller is adjusted individually.  
 ■ Ideal for easy processing of contours  
 Diameter: 90 mm  
 Width: 100 mm

6.23542

**Sanding Belts 90x100 mm**

Diameter mm	Width mm	Grit	Sales unit	Order no.
<b>Sanding belts with zirconia alumina 90x100 mm</b>				
■ Material: zirconia alumina for grit P 40, 60, 80/ aluminium oxide for grit P 120, 220				
■ Suitable for all metals and even stainless steel				
■ For removing scratches and smoothing weld seams				
■ Only in combination with the expansion roller 6.23470				
90	100	P 40	10	6.23512
90	100	P 60	10	6.23473
90	100	P 80	10	6.23474
90	100	P 120	10	6.23475
90	100	P 220	10	6.23476



**»Metabo Pyramid« Sanding Belts 90x100 mm**  
 ■ For all metal uses, particularly suited to the processing of rust-free steel/stainless steel  
 ■ 3-dimensional structure of the grinding media (pyramid-shaped). High removal of material with, at the same time, a very even and fine grinding result for the entire lifetime of the product.  
 ■ Quick progress; considerably reduces working stages compared to traditional grinding methods.

90	100	P 120 (A 160)	5	6.26405*
90	100	P 280 (A 65)	5	6.26406*
90	100	P 400 (A 45)	5	6.26407*
90	100	P 600 (A 30)	5	6.26408*
90	100	P 1200 (A 16)	5	6.26409*
90	100	P 2000 (A6)	5	6.26410*

**Nylon Web Abrasive Sleeves**



■ For removing scratches and oxide layers, tarnishing, glazing, deburring and fine grinding  
 ■ Only in combination with the expansion roller

Diameter mm	Width mm	Version	Sales unit	Order no.
90	100	Coarse	2	6.23519
90	100	Medium	2	6.23495
90	100	Fine	2	6.23496

\* Self-service packaging

Flap Grinding Discs



- For removing rust, oxide layers, scratches
- For texturing and glazing metal

Diameter mm	Width mm	Grit	Sales unit	Order no.
105	100	P 40	1	6.23477
105	100	P 60	1	6.23513
105	100	P 80	1	6.23479
105	100	P 120	1	6.23480
105	100	P 180	1	6.23481
105	100	P 240	1	6.23482

Flap/nylon Web Grinding Discs



- Pink aluminium oxide grinding flaps combined with grain-coated nylon web
- For tarnishing, glazing and removing scratches on metal
- Removing old paint and smoothing wood materials

Diameter mm	Width mm	Grit	Sales unit	Order no.
105	100	P 60	1	6.23483
105	100	P 80	1	6.23484
105	100	P 180	1	6.23485
105	50	P 60	1	6.23526
105	50	P 80	1	6.23527
105	50	P 180	1	6.23528

Nylon Web Grinding Wheels



- Elastic grain-coated nylon web for shadow-free tarnishing, glazing and polishing of special steel and non-ferrous metals
- For use on wood to smooth surfaces

Diameter mm	Width mm	Grit	Sales unit	Order no.
105	100	P 60	1	6.23486
105	100	P 80	1	6.23487
105	100	P 180	1	6.23488
105	100	P 280	1	6.23514
105	50	P 60	1	6.23515
105	50	P 80	1	6.23516
105	50	P 180	1	6.23517
105	50	P 280	1	6.23518
115	100	P 400	1	6.23468
115	100	P 600	1	6.23469
115	100	P 900	1	6.23494

Corrugated fleece sanding/grinding cylinder



- For transition-free matt and burnished finishes on stainless steel surfaces and non-ferrous metals
- For removing minor scratches and for cleaning surfaces
- Elastic nylon fleece containing grit with a corrugated arrangement on the core

Diameter mm	Width mm	Grit	Sales unit	Order no.
100	100	P 180	1	6.23567

Hard Nylon Web Grinding Wheel



- For cleaning and descaling weld seams
- Removing rust, oxide layers and paint
- Strong longitudinal grinding of stainless steel

Diameter mm	Width mm	Grit	Sales unit	Order no.
110	100	P 46	1	6.23525

Rubber Grinding Wheels



- Rubber mix with silicone carbide abrasive grains
- For removing small scratches. For bright shining, decorative longitudinal grinding of stainless steel and non-ferrous metals

Diameter mm	Width mm	Grit	Sales unit	Order no.
105	100	P 60	1	6.23510
105	100	P 180	1	6.23499

Polishing Rings



Sisal Polishing Rings

- For pre-polishing steel and stainless steel in conjunction with the white polishing paste 6.23520

Diameter: 100 mm  
Width: 15 mm  
Type: impregnated  
Sales unit: 5



Nylon Web Polishing Rings

- For pre-polishing non-ferrous steel in conjunction with the brown polishing paste 6.23522

Diameter: 100 mm  
Width: 10 mm  
Type: hard  
Sales Unit: 8



Nylon Web Polishing Rings

- For high-gloss polishing of all metals in conjunction with the blue polishing paste 6.23524

Diameter: 100 mm  
Width: 10 mm  
Type: soft  
Sales Unit: 8

\* Self-service packaging

**Polishing Pastes**

	Order no.
 <p><b>Polishing paste, white</b>                      ■ For pre-polishing and polishing stainless steel                      Weight 250 g</p>	6.23520
 <p><b>Polishing paste, brown</b>                      ■ For pre-polishing and polishing non-ferrous metals                      Weight 250 g</p>	6.23522
 <p><b>Polishing paste, blue</b>                      ■ For high-gloss polishing of all metals                      Weight 250 g</p>	6.23524

**Steel-wire Wheel Brushes**

- For derusting, deburring and cleaning metal
- For brushing out soft annual rings on wood

	Diameter mm	Width mm	Wire thickness mm	Order no.
	100	70	0.27	6.23501

**Steel-wire wheel brushes, Inox**

- With stainless wire. For cleaning weld seams, deburring, deburring, derusting, roughening

	Diameter mm	Width mm	Wire thickness mm	Order no.
	100	70	0.20	6.23503

**Plastic Wheel Brushes**

- Elastic, grain-coated wheel brush for roughening and deburring metal
- For rustic effects on wood

	Diameter mm	Width mm	Order no.
	100	70	6.23505

**Fibre Wheel Brush**

- For use on all wood materials. For polishing etched wood materials
- For producing a dull finish. Dust removal and cleaning

	Diameter mm	Width mm	Order no.
	100	100	6.23506

**Sanding Belt Roll**

	Order no.
 <p><b>Sanding Belt Roll</b>                      ■ With corrugated surface for non-slip work with grinding belts, nylon web and felt band                       Diameter: 85 mm                      Width: 70 mm</p>	6.23529

**Adhesive Tape**

	Order no.
 <p><b>Adhesive Tape</b>                      ■ For rejoining sanding belts 6.23532, 6.23533, 6.23534, 6.23535</p>	6.23530

**Nylon Web Bands**

- For fine grinding or polishing, also on "closed" pipe constructions
- Reclosable by "buttonhole closure"
- Only in combination with the sanding belt roll 6.23529

Length mm	Width mm	Version	Sales unit	Order no.
660	30	Coarse	3	6.23536
660	30	Medium	3	6.23537
660	30	Fine	3	6.23538
660	30	Extra fine	3	6.23539

**Felt Band**

	Order no.
 <p><b>Felt Band</b>                      ■ For polishing work, also on "closed" pipe constructions                      ■ Can be used on both sides                      ■ Reclosable by "buttonhole closure"                      ■ Only in combination with the sanding belt roll 6.23529                      Length: 600 mm                      Width: 30 mm                      Sales Unit: 1</p>	6.23541

Protective cover 50 mm incl. mounting arbor



- The protective cover and the mounting arbor have been specially designed for use with 50 mm wide lamellar / fleece grinding discs and fleece grinding wheels. This permits working near edges.

	Order no.
Protective cover 50 mm incl. mounting arbor 5/8"	6.26413
Protective cover 50 mm incl. mounting arbor M 14	6.26414

Spacer Rings



- 3 Spacer Rings**
- For width compensation when using grinding rollers, brushes, polishing rings

	Order no.
3 Spacer Rings	6.23511

Vienna lime



- Vienna lime**
- For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.
  - Contents: 300 g, shaker

	Order no.
Vienna lime	6.26399



- Stainless steel adhesive tape**
- For mitre cuts of welded stainless steel profiles.
  - Dimensions: 2.5 m x 40 mm

	Order no.
Stainless steel adhesive tape	6.26376



- 3 micro-fibre cloths 380 x 380 mm**
- For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue
  - Suitable for all metals and hard plastics

	Order no.
3 micro-fibre cloths 380 x 380 mm	6.26398*



- Spray for stainless steel care 400 ml**
- For cleaning, conserving and sealing of surfaces, especially of stainless steels.

	Order no.
Spray for stainless steel care 400 ml	6.26377

\* Self-service packaging



Technical Data

	Tube Belt Sander RBE 9-60 Set	Tube Belt Sander RBE 9-60
Rated input power	900 W	900 W
Output power	470 W	470 W
No-load belt speed	8 - 14 m/s	8 - 14 m/s
Sanding belt dimensions	30 x 533 mm	30 x 533 mm
Max. pipe diameter	60 mm	60 mm
Wrap angle	190 °	190 °
Weight without mains cable	3.1 kg	3.1 kg
Cable length	4 m	4 m

Scope of delivery

Order no.	6.02183.50	6.02183.00 <sup>1)</sup>
10 Zirconia Sanding Belts (30x533 mm, P80)	■	
10 Zirconia Sanding Belts (30x533 mm, P120)	■	
2 Pyramid Sanding Belts (30x533 mm, P280/A65)	■	
2 Pyramid Sanding Belts (30x533 mm, P400/A45)	■	
2 Pyramid Sanding Belts (30x533 mm, P600/A30)	■	
2 Pyramid Sanding Belts (30x533 mm, P1200/A16)	■	
3 Nylon Web Bands (one each coarse, medium, very fine)	■	
1 Felt Band (30x533 mm)	■	
1 Polishing Paste (white)	■	
Hexagonal Wrench	■	■
Sheet Steel Carry Case	■	

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Compact tube belt sander with high belt speeds for productive processing of stainless steel pipes
- Large wrap angle of 190° for seamless surfaces
- Metabo Maraton motor with patented dust protection for long service life
- Vario-Constamatic (VC)-Full Wave Electronics with thumbwheel for working with customised speeds for the materials used that remain almost constant under load
- Tool-free adjustable, compact grinding attachment; perfect for reworking mounted handrails
- Tool-free change of sanding belt and adjustable belt guide
- Electronic overload protection for long service life
- Electronic soft start for smooth startup
- No-volt release switch: prevents unintentional startup after power cut
- Auto-stop carbon brushes to protect the motor

System components



Technical Data	Cordless Tube Belt Sander RB 18 LTX 60 Set	Cordless Tube Belt Sander RB 18 LTX 60
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
No-load belt speed	9.2 m/s	9.2 m/s
Sanding belt dimensions	30 x 533 mm	30 x 533 mm
Max. pipe diameter	60 mm	60 mm
Wrap angle	190 °	190 °
Weight (with battery pack)	3.3 kg	3.3 kg

Scope of delivery	6.00192.88 <sup>1)</sup>	6.00192.85
Order no.		
Dust filter	■	■
10 Zirconia Sanding Belts (30x533 mm, P80)	■	
10 Zirconia Sanding Belts (30x533 mm, P120)	■	
2 Pyramid Sanding Belts (30x533 mm, P280/A65)	■	
2 Pyramid Sanding Belts (30x533 mm, P400/A45)	■	
2 Pyramid Sanding Belts (30x533 mm, P600/A30)	■	
2 Pyramid Sanding Belts (30x533 mm, P1200/A16)	■	
3 Nylon Web Bands (30x533 mm; one each coarse, medium, very fine)	■	
1 Felt Band (30x533 mm)	■	
1 Polishing Paste (white)	■	
Hexagonal Wrench	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	
»AIR COOLED« Quick charger ASC 30	■	
Sheet Steel Carry Case	■	
without battery, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Tool-free adjustable, compact grinding attachment; perfect for reworking mounted handrails
  - Compact cordless tube belt sander for quick, flexible processing of stainless steel pipes
  - Large wrap angle of 190° for seamless surfaces
  - Robust motor for long service life
  - Tool-free change of sanding belt and adjustable belt guide
  - Battery pack can be swivelled for better working in hard to reach places.
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth startup
  - No-volt release switch: prevents unintentional startup after power cut
  - Battery packs with capacity display for checking the charge status

**System components**

- 174 → Accessories
- 66 → Battery packs

Technical Data	Tube Belt Sander RBE 12-180 Set	Tube Belt Sander RBE 12-180
Rated input power	1,200 W	1,200 W
Output power	720 W	720 W
No-load belt speed	2.7 - 8.5 m/s	2.7 - 8.5 m/s
Sanding belt dimensions	40 x 760 mm	40 x 760 mm
Max. pipe diameter	180 mm	180 mm
Wrap angle	270 °	270 °
Weight without mains cable	3.7 kg	3.7 kg
Cable length	4 m	4 m

Scope of delivery	6.02132.50	6.02132.51 <sup>1) 2)</sup>
Order no.		
Side handle	■	■
10 Zirconia Sanding Belts (40x760 mm, P80)	■	■
10 Zirconia Sanding Belts (40x760 mm, P120)	■	
2 Pyramid Sanding Belts (40x760 mm, P280/A65)	■	
2 Pyramid Sanding Belts (40x760 mm, P400/A45)	■	
2 Pyramid Sanding Belts (40x760 mm, P600/A30)	■	
2 Pyramid Sanding Belts (40x760 mm, P1200/A16)	■	
3 Nylon Web Bands (40x760 mm; one each coarse, medium, very fine)	■	
1 Felt Band (40x760 mm)	■	
1 Polishing Paste (white)	■	
Sheet Steel Carry Case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Powerful tube belt sander with double reduction gearing for processing even larger stainless steel pipes
  - Large wrap angle of 270° for seamless surfaces and quick work progress
  - Metabo Maraton motor with patented dust protection for long service life
  - Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with thumbwheel: for working with customised speeds for the materials used that remain almost constant under load
  - Grinding attachment can be adjusted without tools for different working positions
  - Tool-free change of sanding belt and adjustable belt guide
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth startup
  - No-volt release switch: prevents unintentional startup after power cut
  - Auto-stop carbon brushes to protect the motor

**System components**

- 174 → Accessories

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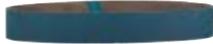
Aluminium oxide sanding belts



- For use throughout the metal industry. Flexible grinding material, dense with stable cotton base.
- Good cutting output with good tool life. Even grinding results

Dimensions mm	Grit	Sales unit	Order no.
30 x 533	P 120	10	6.26279*
30 x 533	P 180	10	6.26280*
30 x 533	P 240	10	6.26281*
30 x 533	P 320	10	6.26282*
30 x 533	P 400	10	6.26283*
40 x 760	P 120	10	6.26300*
40 x 760	P 180	10	6.26301*
40 x 760	P 240	10	6.26302*
40 x 760	P 320	10	6.26303*
40 x 760	P 400	10	6.26304*

Zirconia alumina sanding belts



- For all metal uses, particularly suited to the processing of rust-free steel/stainless steel. High performance grinding belt, dense with cotton base
- High cutting output with good service life. Even grinding results.
- For rough-polishing and deburring of steel and stainless steel

Dimensions mm	Grit	Sales unit	Order no.
30 x 533	P 60	10	6.26284*
30 x 533	P 80	10	6.26285*
30 x 533	P 120	10	6.26286*
40 x 760	P 60	10	6.26305*
40 x 760	P 80	10	6.26306*
40 x 760	P 120	10	6.26307*

Ceramic Grain Sanding Belts



- For all metal uses, particularly suited to the processing of rust-free steel/stainless steel. Flexible high performance grinding belt, semi-open coarseness with cotton base
- Extremely high cutting output with extremely high tool life thanks to the self-sharpening ceramic grain. Even grinding and best results.
- For pre-polishing and fine polishing, for example, of contours, profiles, etc.

Dimensions mm	Grit	Sales unit	Order no.
30 x 533	P 60	10	6.26287*
30 x 533	P 80	10	6.26288*
30 x 533	P 120	10	6.26289*
40 x 760	P 60	10	6.26308*
40 x 760	P 80	10	6.26309*
40 x 760	P 120	10	6.26310*

»Metabo Pyramid« Sanding Sheets



- For all metal uses, particularly suited to the processing of rust-free steel/stainless steel
- 3-dimensional structure of the grinding media (pyramid-shaped). High removal of material with, at the same time, a very even and fine grinding result for the entire lifetime of the product.
- Quick progress; considerably reduces working stages compared to traditional grinding methods.
- Special product for processing of lightly and heavily profiled elements in the stainless steel industry.

Dimensions mm	Grit	Sales unit	Order no.
30 x 533	P 120 (A 160)	5	6.26290*
30 x 533	P 280 (A 65)	5	6.26291*
30 x 533	P 400 (A 45)	5	6.26292*
30 x 533	P 600 (A 30)	5	6.26293*
30 x 533	P 1200 (A 16)	5	6.26294*
30 x 533	P 2000 (A6)	5	6.26295*
40 x 760	P 120 (A 160)	5	6.26311*
40 x 760	P 280 (A 65)	5	6.26312*
40 x 760	P 400 (A 45)	5	6.26313*
40 x 760	P 600 (A 30)	5	6.26314*
40 x 760	P 1200 (A 16)	5	6.26315*
40 x 760	P 2000 (A6)	5	6.26316*

Nylon Web Bands



- For grinding, cleaning and finishing work. For removing scratches, colour runs and oxide layers.
- For preparing, pre-grinding and polishing weld seams

Dimensions mm	Grit	Sales unit	Order no.
30 x 533	Coarse	3	6.26296*
30 x 533	Medium	3	6.26297*
30 x 533	Very fine	3	6.26298*
40 x 760	Coarse	3	6.26319*
40 x 760	Medium	3	6.26320*
40 x 760	Very fine	3	6.26322*

Felt Band



- For polishing stainless steel and non-ferrous metals, always in conjunction with a polishing paste.

Dimensions mm	Grit	Sales unit	Order no.
30 x 533	Soft	1	6.26299*
40 x 760	Soft	1	6.26323*

\* Self-service packaging

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Polishing Pastes		Order no.
	<b>Polishing paste, white</b> ■ For pre-polishing and polishing stainless steel Weight 250 g	6.23520
	<b>Polishing paste, brown</b> ■ For pre-polishing and polishing non-ferrous metals Weight 250 g	6.23522
	<b>Polishing paste, blue</b> ■ For high-gloss polishing of all metals Weight 250 g	6.23524

Additional accessories for Tube Belt Sanders		Order no.
	<b>Vienna lime</b> ■ For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc. ■ Contents: 300 g, shaker	6.26399
	<b>3 micro-fibre cloths 380 x 380 mm</b> ■ For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue ■ Suitable for all metals and hard plastics	6.26398*
	<b>Spray for stainless steel care 400 ml</b> ■ For cleaning, conserving and sealing of surfaces, especially of stainless steels.	6.26377



## More Metal Processing

\* Self-service packaging

# Die Grinder: Slimline, yet powerful

Wherever metal constructions are created, a robust die grinder is an essential piece of equipment. The innovative power packs offer maximum productivity and precision for all applications. Whether mains-powered or with battery pack - Metabo's die grinders are amongst the slimmest and most compact machines on the market. Numerous safety functions such as the no-volt release switch or the electronic safety shutdown protect user and machine.

## Safety and robustness

Aluminium die-cast bearing flange for long service life of the machine

A removable protective rubber cap ensures comfortable and safe working.

## Compact and light

With a thread length of only 195 mm, the Metabo die grinders are among the slimmest on the market. Although packed with power, the grinders weigh only up to 1.7 kg.



MARATHON MOTOR

## Metabo marathon motor

Robust and resistant thanks to patented dust protection for long service life

## Highest precision

thanks to hardened and polished precision collet for precise concentricity of the tools used



## No-volt release switch

When the power supply is interrupted the no-volt release switch prevents unintentional restarting of the machine.

## Electronic safety shutdown

Immediately switches off the machine if the tool jams

GE 950 G Plus



## Uniquely robust and quiet

The new planetary gear train ensures high torque in an extremely compact size.



## Unparalleled productivity: Spindle stop

Block the gear by simply pressing a button and change the application tools without needing a second key.



## Extensive range of accessories

The die grinder can also be used as a stationary tool thanks to the optimum tensioning frame and flexible shaft.



NEW



## Technical data

	Die Grinder GE 710 Compact	Die Grinder GE 710 Plus	Die Grinder GEP 710 Plus
No-load speed	13,000 - 34,000 /min	10,000 - 30,500 /min	10,000 - 30,500 /min
Rated input power	710 W	710 W	710 W
Output power	430 W	430 W	430 W
Speed at rated load	24,000 /min	24,000 /min	24,000 /min
Collar diameter	43 mm	43 mm	43 mm
Collet bore of the collet chuck	6 mm	6 mm	6 mm
Weight without mains cable	1.4 kg	1.6 kg	1.6 kg
Cable length	4 m	4 m	4 m

## Scope of delivery

Order no.	6.00615 <sup>1)</sup>	6.00616 <sup>1) 2)</sup>	6.00617 <sup>1) 2)</sup> available from autumn 2014
Collet 6 mm	■	■	■
Protective rubber cap		■	■
2 open-jawed spanners	■		
1 open-jawed spanner		■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

## Product advantages

- Particularly handy due to the compact design
- Long grinding spindle - ideal for working at hard to reach places
- Spindle lock for simple change of tools
- Aluminium die-cast bearing flange for long service life of the machine
- Removable protective rubber cap for comfortable and safe working
- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- Long grinding spindle - ideal for working at hard to reach places
- Spindle lock for simple change of tools
- Aluminium die-cast bearing flange for long service life of the machine
- Removable protective rubber cap for comfortable and safe working
- Vario-Constamatic (VC) Electronics for working with customised speeds for the materials used and almost constant under load
- Thumbwheel for preselection of speed
- Electronic safety shutdown of the motor for safe working if the tool jams
- No-volt release switch: prevents unintentional startup after power cut
- Electronic overload protection for long service life
- Precise collar for stationary use
- Slim housing for ideal handling
- Precision collet for precise concentricity
- Metabo Maraton motor with patented dust protection for long service life

## System components

182 → Accessories



NEW



Technical data	Die Grinder GE 950 G Plus	Die Grinder GEP 950 G Plus
No-load speed	2,500 - 8,700 /min	2,500 - 8,700 /min
Rated input power	950 W	950 W
Output power	510 W	510 W
Speed at rated load	7,200 /min	7,200 /min
Collar diameter	43 mm	43 mm
Collet bore of the collet chuck	6 mm	6 mm
Weight without mains cable	1.7 kg	1.7 kg
Cable length	4 m	4 m

Scope of delivery

Order no.	6.00618 <sup>1) 2)</sup>	6.00627 available from autumn 2014
Collet 6 mm	■	■
Protective rubber cap	■	■
Side handle	■	■
1 open-jawed spanner	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch

- High torque and compact design thanks to robust planetary gear
- Spindle lock for simple change of tools
- Aluminium die-cast bearing flange for long service life of the machine
- Vario-Constamatic (VC) Electronics for working with customised speeds for the materials used and almost constant under load
- Thumbwheel for preselection of speed
- Electronic safety shutdown of the motor for safe working if the tool jams
- No-volt release switch: prevents unintentional startup after power cut
- Electronic overload protection for long service life
- Precise collar for stationary use
- Removable protective rubber cap for comfortable and safe working
- Slim housing for ideal handling
- Precision collet for precise concentricity
- Metabo Maraton motor with patented dust protection for long service life
- The specialist: handy grinder with especially high torque; ideal for grinding inner and outer surfaces in combination with flap wheels (see Accessories)

System components

182 → Accessories



NEW



Technical data	Cordless Die Grinder GA 18 LTX	Cordless Die Grinder GPA 18 LTX	Cordless Die Grinder GA 18 LTX G
Battery pack type	Li-Ion	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V	18 V
No-load speed	25,000 /min	25,000 /min	6,000 /min
Collar diameter	43 mm	43 mm	43 mm
Collet bore of the collet chuck	6 mm	6 mm	6 mm
Weight (with battery pack)	2.1 kg	2.1 kg	2.2 kg

Scope of delivery

Order no.	6.00638 <sup>1)</sup>	6.00621 <sup>1)</sup>	6.00639 <sup>1)</sup>
Collet 6 mm	■	■	■
Protective rubber cap	■	■	■
Side handle			■
Dust filter	■	■	■
Open-jawed spanner	■	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■	■
Charger ASC 30-36 »AIR COOLED«	■	■	■
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Paddle switch with dead man function: Safe to operate due to an ergonomically integrated non-slip switch
- High torque and compact design thanks to robust planetary gear

- Spindle lock for simple change of tools
- Electronic safety shutdown of the motor for safe working if the tool jams
- No-volt release switch: prevents unintentional startup after power cut
- Overload protection: protects the motor from overheating
- Removable protective rubber cap for comfortable and safe working
- Slim housing for ideal handling
- Precision collet for precise concentricity
- Battery packs with capacity display for checking the charge status

System components

182 → Accessories

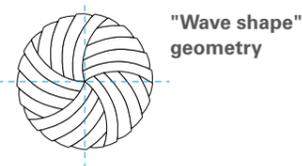
66 → Battery packs

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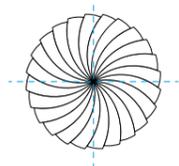
# Carbide-routers

- Carbide head made from high-quality carbide with a percentage of Cobalt
- Specially hardened steel shaft
- Special copper soldering material for a safe connection
- 100% control of the soldering joint

## Design wave shape



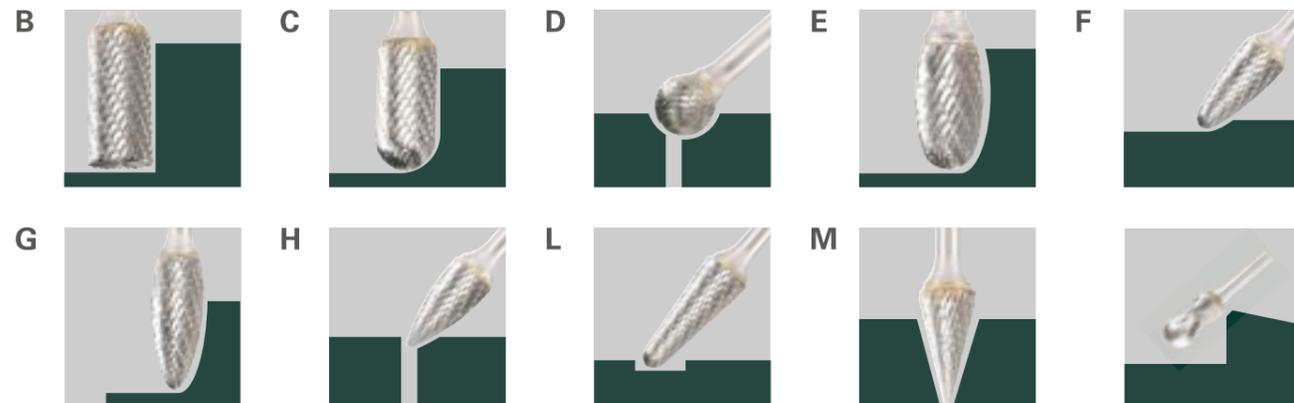
"Wave shape" geometry



Centred teeth

Carbide mill cutters with a round spur toothing are produced with a wave geometry; this results in improved ease of cutting at the end of the tool.

## Shapes and applications at a glance



Material	Cross-cut gearing	Aluminium
Aluminium, plastic	■ Cross-cut gearing for general applications, improved handling and smaller chips. Reduced vibration.	■ High cutting output and reduced clogging behaviour for soft, long chipping materials like aluminium and plastic.
Brass, copper, cast iron, bronze	■	
Unhardened steel	■	
Hardened steel, stainless steel, nimonic alloys, titanium	■	

## Recommended speeds

Diameter of head (mm)	Optimum speed range, graded according to materials			
	NF metals	Aluminium, plastic	Unhardened steel	Hardened steel, stainless steel
4 / 4.8 / 5 / 6 / 6.3	22,000–60,000 /min	15,000–60,000 /min	45,000–60,000 /min	30,000–45,000 /min
8 / 9.6 / 10 / 11	15,000–40,000 /min	10,000–50,000 /min	30,000–40,000 /min	19,000–30,000 /min
12 / 12.7	11,000–30,000 /min	7,000–30,000 /min	22,000–30,000 /min	15,000–22,000 /min

# Routers

## Carbide-routers

- Carbide cutter with cross-cut gearing for general applications. The cross-cut gearing permits comfortable working and better control. Thanks to the improved ease of cutting, the material removal is increased. Suitable for almost all metals, such as hardened and unhardened steel, stainless steel, titanium, brass, copper, cast iron, bronze.
- Application examples: Deburring, machining of contours, processing of surfaces, milling of hard to reach places, machining of narrow angles

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Gearing	Order no.
<b>Cylindrical cutters (cylinder / b-shape)</b> For general applications. Ideally suited for inner contours.						
<b>B</b>	6	18	50	6	Cross-cut gearing	6.28341*
	8	19	64	6	Cross-cut gearing	6.28342*
	9.6	19	64	6	Cross-cut gearing	6.28343*
	12.7	25	70	6	Cross-cut gearing	6.28344*
<b>Cylindrical cutter (radius end/C shape)</b> For processing surfaces, contours and radii.						
<b>C</b>	6	18	50	6	Cross-cut gearing	6.28345*
	8	19	64	6	Cross-cut gearing	6.28346*
	9.6	19	64	6	Cross-cut gearing	6.28347*
	12.7	25	70	6	Cross-cut gearing	6.28348*
<b>Spherical cutter (sphere/D shape)</b> For the processing of contours and for deburring inner bores. Particularly for milling in hard to reach areas.						
<b>D</b>	6	4.7	50	6	Cross-cut gearing	6.28349*
	8	6	52	6	Cross-cut gearing	6.28350*
	9.6	8	54	6	Cross-cut gearing	6.28351*
	12.7	11	56	6	Cross-cut gearing	6.28352*
<b>Ellipse-shaped cutter (ellipse / E-shape)</b> For general applications.						
<b>E</b>	6	10	50	6	Cross-cut gearing	6.28372*
	8	15	60	6	Cross-cut gearing	6.28373*
	9.6	16	60	6	Cross-cut gearing	6.28402*
	12.7	22	67	6	Cross-cut gearing	6.28374*
<b>Compressed bevelled cutter (round arch/ F shape)</b> For processing narrow workpieces.						
<b>F</b>	6	18	50	6	Cross-cut gearing	6.28353*
	8	20	65	6	Cross-cut gearing	6.28354*
	9.6	19	64	6	Cross-cut gearing	6.28355*
	12.7	25	70	6	Cross-cut gearing	6.28356*
<b>Compressed bevelled cutter (pointed arch/ G shape)</b> For the processing of acute angles.						
<b>G</b>	6	18	50	6	Cross-cut gearing	6.28357*
	8	19	64	6	Cross-cut gearing	6.28358*
	9.6	19	64	6	Cross-cut gearing	6.28359*
	12.7	25	70	6	Cross-cut gearing	6.28360*
<b>Cutter in flame shape (H shape)</b> For general applications.						
<b>H</b>	6	14	50	6	Cross-cut gearing	6.28361*
	8	19	64	6	Cross-cut gearing	6.28362*
	9.6	19	65	6	Cross-cut gearing	6.28363*
	12.7	32	77	6	Cross-cut gearing	6.28364*

\* Self-service packaging

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Gearing	Order no.
<b>L</b>	<b>Conical cutter (round cone / L shape)</b> For processing hard to reach areas.					
	6	18	50	6	Cross-cut gearing	6.28401
	8	25.4	70	6	Cross-cut gearing	6.28365*
	9.6	30	76	6	Cross-cut gearing	6.28366*
	12.7	32	77	6	Cross-cut gearing	6.28367*
<b>M</b>	<b>Conical cutter (pointed cone / M shape)</b> For processing hard to reach areas. Ideally suited for model construction. The conical shape permits the cutting of continuous diameters.					
	6	20	50	6	Cross-cut gearing	6.28368*
	8	18	64	6	Cross-cut gearing	6.28369*
	9.6	20	64	6	Cross-cut gearing	6.28370*
	12.7	22	71	6	Cross-cut gearing	6.28371*
	<b>Radius cutter</b> Unparalleled radius cutter with special curved structure. The specially developed guide system prevents that the cutter slides off the work piece. Therefore it is ideally suited for fine radii at sharp corners/edges and good control over sharp edges. The special groove geometry (overlapping standard gearing in the cutter centre) permits fine milling on all surfaces and quick material removal with long service life. The smooth face side helps guiding the cutter and protects the surface from damage. Specially developed for achieving radius chamfers in hard materials such as steel, stainless steel, cast iron, titanium, bronze, copper, brass, etc.					
	12.6	16	70	6	Simple gearing	6.28378*

**Carbide cutter for aluminium**

- Carbide cutter with special aluminium gearing for processing soft, long-chip materials such as aluminium and plastics. The aluminium gearing permits a high chip removal rate and high cutting performance with smooth operation.
- Application examples: Deburring, machining of contours, processing of surfaces, milling of hard to reach places, machining of narrow angles

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Gearing	Order no.
<b>B</b>	<b>Cylindrical cutters for aluminium (cylinder / B-shape)</b> Ideal for inside contours and general applications					
	12.7	25	70	6	Aluminium gearing	6.28375*
<b>C</b>	<b>Cylindrical cutter for aluminium (radius end/C shape)</b> For processing surfaces, contours and radii.					
	12.7	25	70	6	Aluminium gearing	6.28377*
<b>D</b>	<b>Spherical cutter for aluminium (sphere/D shape)</b> For processing contours and deburring of internal bores					
	12.7	11	56	6	Aluminium gearing	6.28376*

**Carbide cutter sets**

- Carbide cutter with cross-cut gearing for general applications. The cross-cut gearing permits comfortable working and better control. Thanks to the improved ease of cutting, the material removal is increased. Suitable for almost all metals, such as hardened and unhardened steel, stainless steel, titanium, brass, copper, cast iron, bronze.
- Application examples: Deburring, machining of contours, processing of surfaces, milling of hard to reach places, machining of narrow angles

	Order no.
	6.28403*
<b>Carbide cutter sets</b> Contents: 1 x Order no.: head-Ø x working length x total length, shaft-Ø, shape 1 x 6.28343: 9.6 x 19 x 64 mm, 6 mm, cylinder/B shape 1 x 6.28347: 9.6 x 19 x 64 mm, 6 mm, radius end/C shape 1 x 6.28351: 9.6 x 8 x 54 mm, 6 mm, sphere/D shape 1 x 6.28402: 9.6 x 16 x 60 mm, 6 mm, ellipse/E shape 1 x 6.28359: 9.6 x 19 x 64 mm, 6 mm, pointed arch/G shape	
	6.28404*
<b>Carbide cutter set</b> Contents: 1 x Order no.: head-Ø x working length x total length, shaft-Ø, shape 1 x 6.28343: 9.6 x 19 x 64 mm, 6 mm, cylinder/B shape 1 x 6.28344: 12.7 x 25 x 70 mm, 6 mm, cylinder/B shape 1 x 6.28347: 9.6 x 19 x 64 mm, 6 mm, radius end/C shape 1 x 6.28348: 12.7 x 25 x 70 mm, 6 mm, radius end/C shape 1 x 6.28352: 12.7 x 11 x 56 mm, 6 mm, sphere/D shape 1 x 6.28402: 9.6 x 16 x 60 mm, 6 mm, ellipse/E shape 1 x 6.28356: 12.7 x 25 x 70 mm, 6 mm, round arch/F shape 1 x 6.28359: 9.6 x 19 x 64 mm, 6 mm, pointed arch/G shape 1 x 6.28360: 12.7 x 25 x 70 mm, 6 mm, pointed arch/G shape 1 x 6.28367: 12.7 x 32 x 77 mm, 6 mm, round cone/L shape	
	6.28405
<b>Carbide cutter display</b> Contents: 2 x Order no.: head-Ø x working length x total length, shaft-Ø, shape 2 x 6.28341: 6 x 18 x 50 mm, 6 mm, cylinder/B shape 2 x 6.28345: 6 x 18 x 50 mm, 6 mm, radius end/C shape 2 x 6.28353: 6 x 18 x 50 mm, 6 mm, round arch/F shape 2 x 6.28357: 6 x 18 x 50 mm, 6 mm, pointed arch/G shape 2 x 6.28401: 6 x 18 x 50 mm, 6 mm, round cone/L shape 2 x 6.28346: 8 x 19 x 64 mm, 6 mm, radius end/C shape 2 x 6.28354: 8 x 20 x 65 mm, 6 mm, round arch/F shape 2 x 6.28358: 8 x 19 x 64 mm, 6 mm, pointed arch/G shape 2 x 6.28365: 8 x 25.4 x 70 mm, 6 mm, round cone/L shape 2 x 6.28343: 9.6 x 19 x 64 mm, 6 mm, Cylinder/B-shape 2 x 6.28347: 9.6 x 19 x 64 mm, 6 mm, radius end/C shape 2 x 6.28355: 9.6 x 19 x 64 mm, 6 mm, round arch/ F shape 2 x 6.28359: 9.6 x 19 x 64 mm, 6 mm, pointed arch/G shape 2 x 6.28366: 9.6 x 30 x 76 mm, 6 mm, round cone/L shape 2 x 6.28344: 12.7 x 25 x 70 mm, 6 mm, cylinder/B shape 2 x 6.28348: 12.7 x 25 x 70 mm, 6 mm, radius end/C shape 2 x 6.28356: 12.7 x 25 x 70 mm, 6 mm, round arch/F shape 2 x 6.28360: 12.7 x 25 x 70 mm, 6 mm, pointed arch/G shape 2 x 6.28367: 12.7 x 32 x 77 mm, 6 mm, round cone/L shape	

\* Self-service packaging

### Corundum mounted points

#### Mounted points made of pink aluminium oxide

- Mounted points made from pink aluminium oxide for steel and cast steel
- For the preparation of weld seams, processing of weld seams
- Rough machining to fine processing
- For deburring, buffing

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Grit	Order no.
	16	32	40	6	K 46	6.28330*
	25	25	40	6	K 36	6.28331*
	16	32	40	6	K 46	6.28332*
	25	25	40	6	K 36	6.28333*
	20	32	40	6	K 36	6.28334*
	<b>Mounted points made from pink aluminium oxide in a set</b> Contents: 1 x Order no.: head-Ø x working length x total length, shaft-Ø, grit, shape 1 x 6.28330: 16 x 32 x 40 mm, 6 mm, K 46, cylinder 1 x 6.28331: 25 x 25 x 40 mm, 6 mm, K 36, cylinder 1 x 6.28332: 16 x 32 x 40 mm, 6 mm, K 46, cone 1 x 6.28333: 25 x 25 x 40 mm, 6 mm, K 36, sphere 1 x 6.28334: 20 x 32 x 40 mm, 6 mm, K 36, pointed arch					6.28335*

#### Mounted points made of aluminium oxide

- Mounted points made of aluminium oxide for processing stainless steel, Inox
- For the preparation of weld seams, processing of weld seams
- Rough machining to fine processing
- For deburring, buffing

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Grit	Order no.
	20	32	40	6	K 24	6.28336*
	25	32	40	6	K 24	6.28337*
	32	32	40	6	K 24	6.28338*
	40	20	40	6	K 24	6.28339*
	50	10	40	6	K 24	6.28340*

### Small cutting discs for steel



Corundum abrasive A 24, for steel

Diameter x thickness x bore hole mm	Maximum speed /min	Maximum working speed m/s	Sales unit / packaging unit	Order no.
50 x 6 x 6	30,600	80	1/1	6.30187
50 x 1.1 x 6	30,600	80	1/50	6.30191
50 x 2 x 6	30,600	80	1/25	6.30192
76 x 2 x 6	20,800	80	1/25	6.30194
76 x 1.1 x 6	20,100	80	1/50	6.30195
Mounting arbor for small cutting discs				6.30189*

### Flap sanding wheel



- Aluminium oxide lamellar grinding wheels
- For processing profiled workpieces, inner surfaces, narrow and hard to reach areas. Particularly for radial use.
- Ideal for smoothing, rust removal, buffing, deburring; rough grinding of steel; processing of steel surfaces; tarnishing; flat surface grinding; effect grinding

Diameter x width mm	Shaft Ø mm	Grit	Maximum speed /min	Sales unit	Order no.
Ø 50 x 20	6	P 40	15,200	1	6.28379*
Ø 50 x 20	6	P 60	15,200	1	6.31110*
Ø 50 x 20	6	P 80	15,200	1	6.28380*
Ø 60 x 20	6	P 40	12,700	1	6.28381*
Ø 60 x 20	6	P 60	12,700	1	6.28382*
Ø 60 x 20	6	P 80	12,700	1	6.28383*
Ø 60 x 30	6	P 40	12,700	1	6.28384*
Ø 60 x 30	6	P 60	12,700	1	6.31111*
Ø 60 x 30	6	P 80	12,700	1	6.28385*
Ø 60 x 30	6	P 120	12,700	1	6.28386*
Ø 60 x 30	6	P 180	12,700	1	6.28387*
Ø 60 x 30	6	P 240	12,700	1	6.28388*
Ø 60 x 40	6	P 40	12,700	1	6.28389*
Ø 60 x 40	6	P 60	12,700	1	6.31112*
Ø 60 x 40	6	P 80	12,700	1	6.28390*
Ø 80 x 30	6	P 40	9,500	1	6.28391*
Ø 80 x 30	6	P 60	9,500	1	6.28392*
Ø 80 x 30	6	P 80	9,500	1	6.28393*
Ø 80 x 30	6	P 120	9,500	1	6.28394*
Ø 80 x 30	6	P 40	9,500	1	6.28395*
Ø 80 x 40	6	P 60	9,500	1	6.28396*
Ø 80 x 40	6	P 80	9,500	1	6.28397*
Ø 80 x 50	6	P 40	9,500	1	6.28398*
Ø 80 x 50	6	P 60	9,500	1	6.28399*
Ø 80 x 50	6	P 80	9,500	1	6.28400*

#### Collet chucks for die grinder



Collet bore	Order no.
3 mm	6.31947*
1/8" (3.18 mm)	6.31948*
6 mm	6.31945*
8 mm	6.31946*
1/4" (6.35 mm)	6.31949*

\* Self-service packaging

Flexible shafts		Order no.
	<b>Flexible shaft</b> <ul style="list-style-type: none"> <li>■ Suitable for speeds of 20,000 to 30,000 rpm</li> <li>■ Bearing-mounted at both ends</li> <li>■ Equipped with collet for size 6 mm, 6.30714</li> <li>■ To drive the flexible shaft 6.27609 using the router's motor unit, the 8-mm collet on the tool must be replaced with the 6-mm collet 6.31945</li> </ul> Length: 1.3 m Driving shaft: 6 mm Clamping hole: 6 mm Weight: 0.8 kg	6.27609*
	<b>Flexible shaft</b> <ul style="list-style-type: none"> <li>■ Suitable for speeds of 7,500 to 30,000 rpm</li> <li>■ Bearing-mounted at both ends</li> <li>■ Equipped with collet for size 8 mm, 6.30979</li> </ul> Length: 1.3 m Driving shaft: 8 mm Clamping bore: 8 mm Weight: 0.8 kg Collet chuck 6 mm, 6.31945 is required for powering by die grinder	6.30980*

Collets for flexible shafts

Collets for flexible shaft 6.30980		
Collet bore		Order no.
	3 mm	6.30976
	6 mm	6.30977
	8 mm	6.30979

Collets for flexible shaft 6.27609		
Collet bore		Order no.
	6 mm	6.30714
	3 mm	6.30715

Other accessories for die grinders

	Order no.
 <b>Tensioning frame</b> <ul style="list-style-type: none"> <li>■ Tensioning frame for working with a flexible shaft</li> <li>■ The Metabo tensioning frame with hard rubber can be set up or hung up, is non-slip, stable and protects delicate surfaces from scratches.</li> <li>■ Suitable for GE 710 Plus, GE 950 G Plus, GA 18 LTX, GA 18 LTX G</li> </ul>	6.28329
 <b>Clamping stand</b> <ul style="list-style-type: none"> <li>■ For clamping drills and impact drills as well as the router motor when working with the flexible shafts</li> <li>■ Locating bore Ø 43 mm</li> </ul>	6.27354*
 <b>Clamp</b> <ul style="list-style-type: none"> <li>■ For the secure fitting on a work table</li> </ul>	6.27107*



Technical data	Metal Chop Saw CS 23-355
For grinding discs (Ø x bore)	355 x 25.4 mm
Torque	18 Nm
No-load speed	4,000 /min
Rated input power	2,300 W
Max. cutting dimension	
- Steel Bars	65 mm
- Pipes	125 mm
- Steel sections	115 x 130 mm
Max. opening of vice jaws	238 mm
Dimensions of the base plate	468 x 282 mm
Transport height	400 mm
Weight	16.9 kg
Cable length	2.7 m

Scope of delivery	Order no.
	6.02335 <sup>1) 2)</sup>
Open-ended ring spanner	■
Inner support flange	■
Flange nut	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages
<ul style="list-style-type: none"> <li>■ For single phase alternating current</li> <li>■ Powerful and fast cutting for profiles, pipes and rods made of steel, cast iron, aluminium and other non-ferrous metals.</li> <li>■ Motor and gear with ball bearing for high loads</li> <li>■ Spindle lock for easy disc change</li> <li>■ Quick clamping device with variable mitre conversion from -15° up to 45°</li> <li>■ Easy to transport due to built-in handle and locking device</li> <li>■ High safety thanks to swivelling cutting guard</li> <li>■ Storage for double-ended wrench at the machine table</li> <li>■ Safe working thanks to adjustable spark guide plate</li> <li>■ Adjustable cutting depth limiter</li> </ul>

System components

190 → Accessories

\* Self-service packaging

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Cutting discs

Quality class A 30-R / A 36-S »Flexiamant Super« steel



- High cutting output with good tool life in steel
- Tough version for powerful machines
- A 36-S: with an inside gauze for quick cuts

Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
A 30-R	350 x 3 x 25.4	—	4,365	1/10	6.16327
A 36-S	350 x 3 x 25.4	—	4,365	1/10	6.16339

Quality class A 24-M »Flexiamant Super« steel



- High cutting output with good tool life in steel
- Soft version for less powerful machines

Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
A 24-M	350 x 3 x 25.4	—	4,365	1/10	6.16338

Quality class A 36-R »Flexiamant Super« inox



- Medium-hard special cutting disc for stainless steel
- High cutting output with good tool life
- Low in iron and sulphur < 0.1 %

Quality class	Diameter x thickness x bore hole mm	Version	Maximum speed /min	Sales unit / packaging unit	Order no.
A 36-R	350 x 3 x 25.4	—	4,365	1/10	6.16343



Technical data

	Curve shear Ku 6872	Curve shear Ku 6870
Torque	3 Nm	6 Nm
Maximum sheet thickness		
- Sheet metal 400 N/mm <sup>2</sup>	1.6 mm	2.5 mm
- Sheet metal 600 N/mm <sup>2</sup>	1.2 mm	2 mm
- Sheet metal 800 N/mm <sup>2</sup>	1 mm	1.6 mm
- Aluminium 250 N/mm <sup>2</sup>	2 mm	2.5 mm
Strokes at no load	5,300 /min	3,000 /min
Rated input power	550 W	550 W
Output power	300 W	300 W
Strokes at rated load	3,200 /min	1,800 /min
Smallest curve radius	15 mm	20 mm
Weight without mains cable	1.9 kg	2.5 kg
Cable length	4.05 m	4.05 m

Scope of delivery

Order no.	6.06872	6.06870 <sup>1)</sup>
2 hexagonal wrenches	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- For cutting through and trimming sheet steel without burrs
- Precise cutting by high capacity die chuck
- The blades do not need to be adjusted while working
- Auto-stop carbon brushes to protect the motor
- Practical delivery bow

System components

193 → Accessories

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### Technical data

#### Nibbler Kn 6875

Torque	6 Nm
Maximum sheet thickness	
- Sheet metal 400 N/mm <sup>2</sup>	2 mm
- Sheet metal 600 N/mm <sup>2</sup>	1.5 mm
- Sheet metal 800 N/mm <sup>2</sup>	1 mm
- Aluminium 250 N/mm <sup>2</sup>	2.5 mm
Strokes at no load	3,000 /min
Rated input power	550 W
Output power	300 W
Strokes at rated load	1,800 /min
Smallest curve radius	4 mm
Weight without mains cable	2.1 kg
Cable length	4.05 m

### Scope of delivery

Order no.	6.06875
Hexagonal wrench	■

### Product advantages

- Unlimited curving capacity
- For cutting sheets without burrs and deformations
- Finely adjustable cutting direction: Permits easy working as per marking or template
- Long service life of tools and high cutting quality
- Auto-stop carbon brushes to protect the motor
- Practical delivery bow

### System components

193 → Accessories

## Accessories for shears

### Reversible blade

- Same blade for tappet and cutting bench

	Order no.
 Reversible blade For the curve shear Ku 6870	6.30201
 Reversible blade For the curve shear Ku 6872	6.31042

### Tappet blade

	Order no.
 Tappet blade Suitable for Ku 6872 and Ku 6870	6.31041

## Accessories for nibblers

### Punch

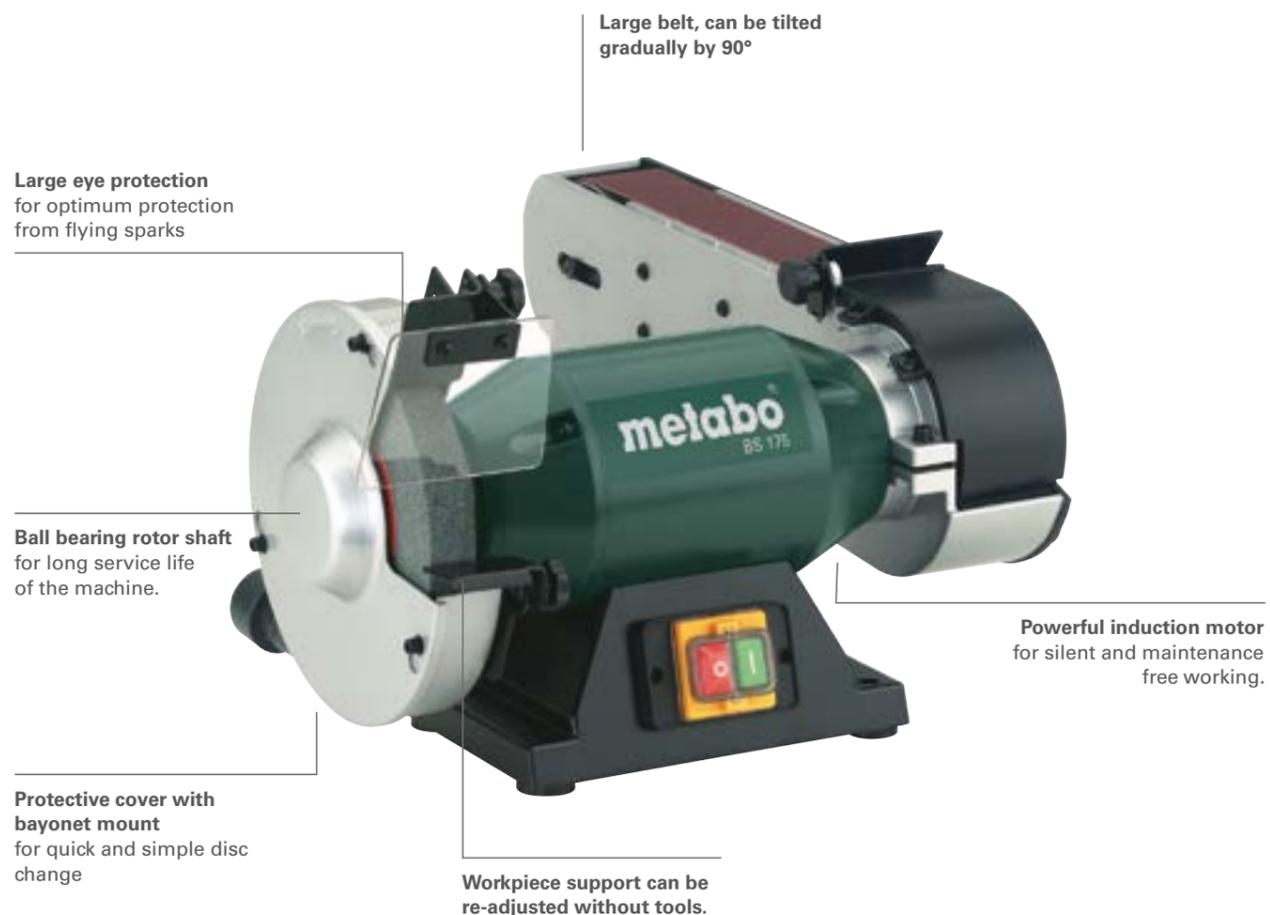
	Order no.
 Punch For the nibbler Kn 6875 (as spare)	6.30202

### Dies

	Order no.
 Die For the nibbler Kn 6875 (as spare)	6.30203

# Bench grinders: The ideal tools for your tool

Tools that are ready for use at any time are a prerequisite for productive working. Whether you would like to sand a screwdriver or remove rust from a trowel - Metabo's new bench grinders prepare your tools for their next use in a jiffy. These machines also impress when it comes to deburring and polishing: Metabo offers the right model for every task. The large protective glass, the adjustable work piece support and the high service life of the grinding discs make the grinding machines a safe, durable and reliable companion.



BS 175



**Technical data**

	<b>Bench grinder DS 125</b>	<b>Bench grinder DS 150</b>
Grinding discs (Ø x thickness x bore)	125 x 20 x 20 mm	150 x 20 x 20 mm
No-load speed	2,980 /min	2,980 /min
Rated input power	200 W	350 W
Output power	130 W	200 W
Tilting movement	0.9 Nm	1.1 Nm
Weight	7.5 kg	9.5 kg
Cable length	2 m	2 m

**Scope of delivery**

Order no.	6.19125	6.19150
Normal corundum grinding wheels 36 P and 60 N	■	■
Spark protection glasses	■	■
work piece support	■	■
Hexagonal wrench	■	■

**Product advantages**

- Small and space-saving workshop machine
- Low-noise and low-vibration, maintenance-free induction motor
- Motor for single phase alternating current
- Protective cover bayonet lock for quick and simple wheel change
- Large spark protection guards for eye protection
- Vibration-dampening rubber feet for safe support



**Safe eye protection**  
The large protective screen provides effective protection against flying sparks.



**Fatigue-free working**  
The work piece supports can be adjusted manually, allowing you to work accurately without tiring.



**Long service life**  
Grinding discs of Ø 200 mm last 50% longer than grinding discs of Ø 175 mm; grinding discs with Ø 250 mm last even 145 % longer.

**System components**

198 → Accessories

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Technical data	Bench grinder DS 175	Combo bench grinder BS 175	Combo dry-wet grinder TNS 175
Grinding discs (Ø x thickness x bore)	175 x 25 x 32 mm	175 x 25 x 32 mm	175 / 200 x 25 / 40 x 32 / 20 mm
No-load speed	2,980 /min	2,980 /min	2.980/132 /min
Rated input power	500 W	500 W	500 W
Output power	310 W	310 W	310 W
Tilting movement	2.3 Nm	2.3 Nm	2.3 Nm
Length of belt grinding arm	–	285 mm	–
sanding belt	–	50 x 1,020 mm	–
Extraction nozzle inner Ø:	35 mm	35 mm	35 mm
Weight	14.5 kg	14.5 kg	14.9 kg
Cable length	2 m	2 m	2 m

Scope of delivery

Order no.	6.19175 <sup>1)</sup>	6.01750	6.11750
Normal corundum grinding wheels 36 P and 60 N	■		
Aluminium oxide sanding disc 60 N		■	■
Fabric belt K 60		■	
wet grinding wheel			■
Spark protection glasses	■	■	■
work piece support	■	■	■
Hexagonal wrench	■	■	■
Corrosion-proof water bath container			■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Large belt grinding arm which can be infinitely tilted by 90° for processing wood and metal work pieces
- Varied application by means of combination of wet and dry grinding disc
- Corrosion-proof water bath container
- Sturdy machine for sophisticated sharpening, grinding and deburring tasks
- Low-noise and low-vibration, maintenance-free induction motor
- Motor for single phase alternating current
- Protective covers closed on the sides with extraction nozzle
- Protective cover bayonet lock for quick and simple wheel change
- Dust-protected emergency stop switch
- No-volt release switch: prevents unintentional startup after power cut
- Workpiece support adjustable without tools
- Large spark protection guards for eye protection
- Vibration-dampening rubber feet for safe support

System components

198 → Accessories



Technical data	Bench grinder DS 200	Bench grinder DSD 200	Bench grinder DSD 250
Grinding discs (Ø x thickness x bore)	200 x 25 x 32 mm	200 x 25 x 32 mm	250 x 40 x 51 mm
No-load speed	2,980 /min	2,980 /min	1,490 /min
Rated input power	600 W	750 W	900 W
Output power	370 W	450 W	540 W
Tilting movement	2.6 Nm	6.2 Nm	10 Nm
Extraction nozzle inner Ø:	35 mm	35 mm	35 mm
Weight	16.3 kg	16 kg	33.3 kg
Cable length	2 m	2 m	2 m

Scope of delivery

Order no.	6.19200 <sup>1)</sup>	6.19201	6.19250 <sup>1)</sup>
Normal corundum grinding wheels 36 P and 60 N	■	■	■
Spark protection glasses	■	■	■
work piece support	■	■	■
Hexagonal wrench	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Motor for single phase alternating current
- Powerful rotary current motor with high torque
- Powerful rotary current motor with high torque
- Particularly powerful machine for high requirements
- Low-noise and low-vibration, maintenance-free induction motor
- Robust die-cast aluminium protective covers
- Protective cover bayonet lock for quick and simple wheel change
- Dust-protected emergency stop switch
- No-volt release switch: prevents unintentional startup after power cut
- Workpiece support adjustable without tools
- Large spark protection guards for eye protection
- Vibration-dampening rubber feet for safe support

System components

198 → Accessories

## Grinding wheels

## Grinding discs, aluminium oxide



- For sanding/grinding tool steel
- Fine grit (60N): suitable for fine grinding of hardened and unhardened steels, for example, spiral drills, screwdrivers, chisels, turning chisels, splitting tools, bevelled-edge chisels, carving knives
- Coarse grit (36P): suitable for pre-grinding of hardened and unhardened steels, for example, chisels, splitting tools

Diameter x thickness x bore hole mm	Grain and hardness	Suitable for	Order no.
120 x 20 x 20	36 P	DS 125, Ds W 3150	6.29088
120 x 20 x 20	60 N	DS 125, Ds W 3150	6.29089
120 x 20 x 12	60 N	DS 125 W, Ds W 3150	6.29090
150 x 20 x 20	36 P	DS 150, Ds W 3150	6.30632
150 x 20 x 20	60 N	DS 150, Ds W 3150	6.30633
150 x 20 x 32	36 P	Ds 7202	6.30777
150 x 20 x 32	60 N	Ds 7202, Ds 7203	6.30778
175 x 25 x 20	36 P	DS 175 W / DS 175 D	6.29091
175 x 25 x 20	60 N	DS 175 W / DS 175 D	6.29092
175 x 25 x 32	36 P	DS 175, BS 175, TNS 175, Ds W 5175 / Ds D 6175	6.30657
175 x 25 x 32	60 N	DS 175, BS 175, TNS 175, Ds W 5175 / Ds D 6175	6.30656
200 x 25 x 20	36 P	DS 200/25 W / DS 200/25 D	6.29093
200 x 25 x 20	60 N	DS 200/25 W / DS 200/25 D	6.29094
200 x 25 x 32	36 P	DS 200, DSD 200, Ds W 9200 / Ds D 9201	6.30784
200 x 25 x 32	60 N	DS 200, DSD 200, Ds W 9200 / Ds D 9201	6.30785
200 x 32 x 32	36 P	Ds W 9200 / Ds D 9201	6.30634
200 x 32 x 32	60 N	Ds W 9200 / Ds D 9201	6.30635
250 x 32 x 32	24 Q	Ds 7226	6.30788
250 x 32 x 32	60 N	Ds 7226	6.30789
250 x 40 x 51	36 P	DSD 250, Ds D 9250	6.30636
250 x 40 x 51	60 N	DSD 250, Ds D 9250	6.30637

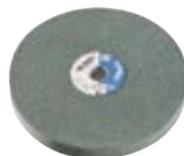
## Pink aluminium oxide grinding wheels



- For sanding/grinding HSS tools

Diameter x thickness x bore hole mm	Grain and hardness	Suitable for	Order no.
150 x 20 x 20	80 J	Ds W 3150	6.30638
150 x 50 x 13	80 I	Ds 7203	6.30779

## Silicone carbide grinding wheels



- Suitable for fine ground finish on hard metals and carbide-coated tools, grey cast iron, copper, aluminium, glass, ceramics

Diameter x thickness x bore hole mm	Grain and hardness	Suitable for	Order no.
120 x 20 x 20	80 J	DS 125	6.29102
150 x 20 x 20	80 J	DS 150, Ds W 3150	6.29103
175 x 25 x 20	80 J	DS 175 W / DS 175 D, TNS 175	6.29095
175 x 25 x 32	80 J	DS 175, BS 175, TNS 175	6.29104

Diameter x thickness x bore hole mm	Grain and hardness	Suitable for	Order no.
200 x 25 x 20	80 J	DS 200/25 W / DS 200/25 D, TNS 175	6.29096
200 x 25 x 32	80 J	DS 200, DSD 200, Ds W 9200 / Ds D 9201	6.29105
250 x 40 x 51	80 J	DSD 250, Ds D 9250	6.29106

## Wet grinding wheels



- Suitable for fine grinding of unhardened steels, for example, knives, bevelled-edge chisels, turning chisels, splitting tools, shears.

Diameter x thickness x bore hole mm	Grain and hardness	Suitable for	Order no.
150 x 30 x 20	220 K	TNS 150 W	6.29097
200 x 40 x 20	220 K	TNS 175	6.29098

## Sanding belts



- High-quality sanding paper (normal corundum) with dense distribution, high removal of material and long durability. Universal use: For grinding and deburring metals, non-alloyed and low-alloyed steels, cast iron, aluminium alloys, brass, bronze, hard metals coatings, rubber, plastics etc.

Dimensions mm	Grit	Sales unit	Order no.
50 x 650	P 60	3	6.29060*
50 x 650	P 100	3	6.29061*
50 x 650	P 150	3	6.29062*
50 x 1,020	P 60	3	6.29063*
50 x 1,020	P 80	3	6.29064*
50 x 1,020	P 100	3	6.29065*
50 x 1,020	P 120	3	6.29066*
50 x 1,020	P 180	3	6.29067*
50 x 1,020	P 240	3	6.29068*
50 x 1,020	P 400	3	6.29069*

## Other accessories for bench grinders

	Order no.
<b>Dressing stick</b> Dressing stick made of silicone carbide. For dressing grinding wheels; blunt grinding abrasives are removed.	6.29099
<b>Stands</b> Suitable for all Metabo bench grinders (built after 2005). With pull out container for cooling water or handy tool storage. A double vertical slit for storage of disks, tools etc. Height 835 mm, dimensions of top: 200 x 280 mm; Ø base plate: 340 mm	6.23867
<b>Wall panel</b> Suitable for all Metabo bench grinders up to disc -Ø 200 mm (built after 2005), except BS 175, DS 250 D. Dimensions: 280 mm x 90 mm x 204 mm	6.23862

\* Self-service packaging

# M+ System: Machine and Accessories perfectly synchronised for maximum performance



## Reliable quality tools for any application

We are the specialist for the metal trade and industry, and the ideal partner when drilling/screwdriving, cutting/grinding and sawing in the building sector.

## The M+ System: Metabo Machine + Metabo Accessories for maximum performance



Even during the development phase at Metabo, machines and accessories are optimally adjusted to one another and tested. Your added benefit: Maximum performance for screwdriving, drilling, chiselling or stirring thanks to Metabo+ System effect.



**Drilling  
Chiseling  
Screwdriving  
Stirring**

# Impact drills: The jack of all trades for the workshop and construction site

Metabo impact drills are perfectly equipped for demanding applications in the workshop and on the construction site. Impact-drilling in bricks, stone or concrete. Non-impact drilling in wood, steel, aluminium or even glass: no problem. Even screwdriving jobs, stirring, grinding, polishing and rust removal are easy play for our all-rounders. It is not without reason that already decades ago the world's first impact drill produced in series has justified our reputation as manufacturer for durable, robust and technically sophisticated impact drills.



**Metabo S-automatic torque limiting clutch**  
Limitation of any sudden reverse torque to protect user and machine.



**Vario Tacho Constamatic (VTC) full-wave electronics**  
For infinitely variable speed change. Under load the speed remains constant for stable working and consistent results. Highest drilling performance for all drilling diameters and depths.



**Robust Metabo Marathon motor**  
for extra long service life thanks to special protection from abrasive effects of dust



**Hexagon socket in the spindle**  
The screwdriver bit can be inserted directly into the spindle.

**Die-cast aluminium gear housing**  
Increases the service life of the machine. The machine is more robust and dissipates generated heat faster.

**Cable-protecting ball joint**  
to protect connections and allow freedom of motion when working

SBE 1100 Plus



**Metabo Impuls Technology**  
No more problems with tight-fitting or damaged screw heads. Perfect spot-drilling on smooth surfaces (only with SBE 610 Impuls).



**Stationary use**  
All Metabo impact drills have a collar diameter of 43 mm (European Standard) and can therefore also be used in the drill stand.



**High engine power and extremely robust**  
Even very difficult applications can be carried out very quickly thanks to the speeds that remain constant even under load.

# Which impact drill for which application?

	Impact drilling in concrete/stone (Ø mm)										Drilling in		Output
	4	5	6	8	10	12	13	16	18	20	Metal	Wood max. Ø mm	
SBE 601	[Ideal Range]										12	25	600 Watt
SBE 610	[Ideal Range]										10	20	610 Watt
SB 710	[Ideal Range]										13	40	710 Watt
SBE 710	[Ideal Range]										13	40	710 Watt
SBE 751	[Ideal Range]										13	40	750 Watt
SBE 850	[Ideal Range]										13	40	850 Watt
SBE 900 Impuls	[Ideal Range]										13	40	900 Watt
SBE 1000	[Ideal Range]										16	40	1,000 Watt
SBE 1100 Plus	[Ideal Range]										16	40	1,100 Watt
SBE 1300	[Ideal Range]										16	40	1,300 Watt

■ ideal range

■ possible range

For larger diameters a Metabo multihammer, rotary hammer or combination hammer should be used!

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Technical Data	Impact Drill SBE 601	Impact Drill SBE 610
Max. torque	11 Nm	13 Nm
Drill diameter in		
- Concrete	12 mm	12 mm
- Steel	10 mm	10 mm
- Soft wood	20 mm	20 mm
No-load speed	0 - 2,800 /min	0 - 3,100 /min
Rated input power	600 W	610 W
Output power	340 W	360 W
Speed at rated load	1,700 /min	1,900 /min
Max. impact rate	50,000 /min	62,000 /min
Collar diameter	43 mm	43 mm
Drill spindle thread	1/2 " - 20 UNF	1/2 " - 20 UNF
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight without mains cable	2.1 kg	2 kg
Cable length	2.6 m	4 m

Scope of delivery

Order no.	6.00601 <sup>1)</sup>	6.06101
Futuro Plus quick-action keyless chuck	■	■
Side handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario (V)-electronics for working with customised speeds for the materials used
- Thumbwheel for preselection of speed
- Clockwise and anti-clockwise rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck

System Components

218, 285 → Accessories

Technical Data	Impact Drill SB 710	Impact Drill SBE 710	Impact Drill SBE 751
Max. torque	28 Nm/12 Nm	28 Nm/12 Nm	30 Nm/13 Nm
Drill diameter in			
- Concrete	20 mm	20 mm	20 mm
- Steel	13 mm/8 mm	13 mm/8 mm	13 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm
No-load speed	1.000/3,100 /min	0 - 1,000 / 0 - 3,100 /min	0 - 1,000 / 0 - 3,100 /min
Rated input power	710 W	710 W	750 W
Output power	420 W	420 W	450 W
Speed at rated load	600/1,800 /min	600/1,800 /min	600/1,800 /min
Max. impact rate	59,000 /min	59,000 /min	59,000 /min
Collar diameter	43 mm	43 mm	43 mm
Drill spindle thread	1/2 " - 20 UNF	1/2 " - 20 UNF	1/2 " - 20 UNF
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight without mains cable	2.7 kg	2.7 kg	2.7 kg
Cable length	4 m	2.6 m	4 m

Scope of delivery

Order no.	6.00861 <sup>1)</sup>	6.00862 <sup>1) 2)</sup>	6.00863 <sup>1)</sup>
Geared chuck	■		
Chuck key	■		
Futuro Plus quick-action keyless chuck		■	
Quick-action keyless chuck Futuro Top			■
Side handle	■	■	
Rubber-coated handle			■
Drilling depth guide	■	■	■
Plastic carry case		■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Metabo Maraton motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the tool jams for safe working
- Cable-protecting ball joint for best freedom of motion when working
- Vario (V)-electronics for working with customised speeds for the materials used
- Thumbwheel for preselection of speed
- clockwise and anti-clockwise rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Vario (V)-electronics for working with customised speeds for the materials used
- Thumbwheel for preselection of speed
- Clockwise and anti-clockwise rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck

System Components

218, 285 → Accessories



Technical Data	Impact Drill SBE 850	Impact Drill SBE 900 Impuls
Max. torque	36 Nm/14 Nm	38 Nm/14 Nm
Drill diameter in		
- Concrete	20 mm	20 mm
- Steel	13 mm/8 mm	13 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 1,100 / 0 - 3,400 /min	0 - 1,000 / 0 - 3,100 /min
Rated input power	850 W	900 W
Output power	520 W	550 W
Speed at rated load	630/1,900 /min	800/2,300 /min
Max. impact rate	60,000 /min	59,000 /min
Collar diameter	43 mm	43 mm
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF
Chuck capacity	1 - 13 mm	1.5 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight without mains cable	2.8 kg	2.8 kg
Cable length	4 m	4 m

Scope of delivery

Order no.	6.00842	6.00865 <sup>1) 2)</sup>
Futuro Plus quick-action keyless chuck	■	■
Rubber-coated handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Vario (V)-electronics for working with customised speeds for the materials used
- Quick-action keyless chuck and spindle stop gear for convenient one-hand tool change
- Selectable "impuls" mode for removal of damaged screws and spot-drilling on smooth surfaces
- Vario-Constamatic (VC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Speed pre-selection for uniform driving in of screws
- Thumbwheel for preselection of speed
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Metabo Maraton motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the tool jams for safe working
- Clockwise and anti-clockwise rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Cable-protecting ball joint for best freedom of motion when working

System Components

218, 285 → Accessories



Technical Data	Impact Drill SBE 1000	Impact Drill SBE 1100 Plus	Impact Drill SBE 1300
Max. torque	40 Nm/15 Nm	44 Nm/16 Nm	46 Nm/17 Nm
Drill diameter in			
- Concrete	20 mm	20 mm	20 mm
- Steel	16 mm/8 mm	16 mm/8 mm	16 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 800 / 0 - 2,700 /min	0 - 900 / 0 - 2,800 /min	0 - 1,000 / 0 - 3,100 /min
Rated input power	1,000 W	1,100 W	1,300 W
Output power	620 W	660 W	790 W
Speed at rated load	800/2,700 /min	900/2,800 /min	1,000/3,100 /min
Max. impact rate	51,000 /min	53,000 /min	58,000 /min
Collar diameter	43 mm	43 mm	43 mm
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Chuck capacity	1.5 - 13 mm	1 - 13 mm	1 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight without mains cable	2.8 kg	2.9 kg	3 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order no.	6.00866	6.00867 <sup>1) 2)</sup>	6.00843
Futuro Plus quick-action keyless chuck	■		■
Quick-action keyless chuck Futuro Top		■	
Rubber-coated handle	■		
Long additional handle		■	■
Drilling depth guide	■	■	■
Plastic carry case	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Overload protection: protects the motor from overheating
- Wear indication for the carbon brushes shows when the carbon brushes are due for replacement
- Quick-action keyless chuck and spindle stop gear for convenient one-hand tool change
- Overload protection: protects the motor from overheating
- Wear indication for the carbon brushes shows when the carbon brushes are due for replacement
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load. Thumbwheel for preselection of speed
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Metabo Maraton motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the tool jams for safe working
- No-volt release switch: prevents unintentional startup after power cut
- Cable-protecting ball spout for best freedom of motion when working

System Components

218, 285 → Accessories

# Drills: Quality for 90 years

Our drills look back on tradition: Since in 1924 the "Metallbohrdreher" (metal drill) gave the company its name, we have been continuously implementing new standards when it comes to drilling. Our high quality standards guarantee optimum work results and precise holes. Whether in wood, metal or concrete - every material has different requirements in terms of drill speed, torque, speed and the drill. We offer the right machine including accessories for any challenge.

**S-AUTOMATIC SAFETY CLUTCH**

**Metabo S-automatic torque limiting clutch**  
Limitation of any sudden reverse torque to protect user and machine.

**QUICK**

**Quick-action keyless chuck with quick drill chuck change**  
Change of the tool used and the bit retainer in a matter of seconds

**Spindle stop**  
for single-handed tool change

**Hexagon socket in the spindle**  
The screwdriver bit can be inserted directly into the spindle.

**Die-cast aluminium gear housing**  
Extremely resilient gear housing for ideal spindle bearing.

**VARIO TACHO CONSTAMATIC**

**Vario Tacho Constamatic (VTC) full-wave electronics**  
For infinitely variable speed change. Under load the speed remains constant for stable working and consistent results. Highest drilling performance for all drilling diameters and depths.

**Maximum performance - even in anti-clockwise rotation**  
due to rotating carbon brush bridge

**MARATHON MOTOR**

**Robust Metabo Marathon motor**  
for extra long service life thanks to special protection from abrasive effects of dust

**Cable-protecting ball joint**  
for best freedom of motion when working

BE 1300 Quick



**Mechanical 2-speed gear box (BE 751 and BE 1100 and BE 1300 Quick)**  
Ideal speed and torque setting for different materials and applications.



**Screwing jobs**  
Thanks to the high torque of up to 75 Nm (BE 75-16, BE 75 Quick) also large wood screws can be driven in quickly and without any complications.



**Universal areas of application**  
With the matching accessories also suitable for cleaning, removing rust, corrosion and paints.

# Which drill for which application?

Type	Drilling	Inserting screws, stirring	Output
BE 6	Pilot drilling of riveted joints, Aluminium and fine sheet metal, pilot drilling of wood, kitchen installation	Light screwing applications	450 Watt
BE 10	Wood – small diameter Car body construction steel and cast iron Inox profiles, tubes and sheets	Light screwing applications	450 Watt
BE 75-16	Drilling of stainless steel installations (counter construction), drilling with auger bits and Fostner bits	Screwing jobs Stirring paint (painter) Stirring of viscous fluids	750 Watt
BE 751	Steel (mechanical engineering, scaffolding manufacture, locks), wood (carpenters, joiners, interior decorators), ceramics, tiles (building services, plumbers), application using drill stand for service and screwing applications	Screwing applications Stirring of paint	750 Watt
BE 1100		Assembly applications Stirring of paint Application as driving unit	1,100 Watt
BE 75 Quick	Wood – large diameter	Screwdriving jobs, for demanding screwdriving jobs expandable with Power X3- attachment	750 Watt
BE 1300 Quick	Wood – large diameter	Screwing jobs with high driving speed, for demanding screwdriving jobs expandable with Power X3 attachment	1,300 Watt
BDE 1100	Steel – large diameter Wood – very large diameter	Stirring of paint Stirring of viscous fluids	1,100 Watt
WBE 700	Kitchen installation, mechanical engineering, plant construction, metal construction, drilling in hard to reach spaces		705 Watt
B 32/3	Steel – large diameter Wood – extremely large diameter Form work drill bits	Screws (long screws with large drilling diameter, e. g. frames and facade pegs) Stirring of viscous fluids	1,800 Watt
MAG 28 LTX 32 MAG 32	Core drilling and solid drilling in steel. Mobile drilling on the construction site (steel construction, mechanical engineering)		28 Volt 1,000 Watt
MAG 50	Core drilling and solid drilling in steel Versatile use in the workshop and on the construction site (steel construction, mechanical engineering) Thread-cutting, reaming and chamfering		1,200 Watt
RWE 1100		Stirring of viscous fluids: Gypsum, filler compound, tile adhesive, joint filler tile cement, ready-made plaster (painters, plasterers, bricklayers)	1,100 Watt

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Technical Data	Drill BE 6	Drill BE 10
Max. torque	7 Nm	10 Nm
Drill diameter in		
- Steel	6 mm	10 mm
- Soft wood	12 mm	20 mm
No-load speed	0 - 4,000 /min	0 - 2,400 /min
Rated input power	450 W	450 W
Output power	240 W	240 W
Speed at rated load	2,200 /min	1,500 /min
Drill spindle thread	1/2 " - 20 UNF	1/2 " - 20 UNF
Chuck capacity	1 - 10 mm	1 - 10 mm
Weight without mains cable	1.3 kg	1.3 kg
Cable length	2.6 m	2.6 m

#### Scope of delivery

Order no.	6.00132	6.00133
Geared chuck	■	■
Chuck key	■	■

#### Product Advantages

- Small, handy bench machine
- Vario (V)-electronics for working with customised speeds for the materials used
- clockwise and anti-clockwise rotation
- Handle with non-slip softgrip surface

#### System Components

218, 285 → Accessories



Technical Data	Drill BE 75 - 16
Max. torque	75 Nm
Drill diameter in	
- Steel	16 mm
- Soft wood	50 mm
No-load speed	0 - 660 /min
Rated input power	750 W
Output power	470 W
Speed at rated load	350 /min
Collar diameter	43 mm
Drill spindle thread	1/2 " - 20 UNF
Chuck capacity	1.5 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)
Weight without mains cable	2.6 kg
Cable length	4 m

#### Scope of delivery

Order no.	6.00580 <sup>1) 2)</sup>
Geared chuck	■
Chuck key	■
Long additional handle	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

#### Product Advantages

- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Rotating carbon brush bridge for maximum performance even in anti-clockwise rotation, e.g. when removing jammed screws
- Vario (V)-electronics for working with customised speeds for the materials used
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Suitable for powerful drilling of larger diameters and for stirring thick liquid-like materials

#### System Components

218, 285 → Accessories



**Technical Data**

	<b>Drill BE 751</b>	<b>Drill BE 1100</b>
Max. torque	30 Nm/13 Nm	44 Nm/16 Nm
Drill diameter in		
- Steel	13 mm/8 mm	16 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 1,000 / 0 - 3,100 /min	0 - 900 / 0 - 2,800 /min
Rated input power	750 W	1,100 W
Output power	450 W	660 W
Speed at rated load	600/1,800 /min	900/2,800 /min
Collar diameter	43 mm	43 mm
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight without mains cable	2.7 kg	2.9 kg
Cable length	4 m	4 m

**Scope of delivery**

Order no.	6.00581 <sup>1)</sup>	6.00582 <sup>1)</sup>
Geared chuck	■	■
Chuck key	■	■
Side handle	■	
Long additional handle		■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Vario (V)-electronics for working with customised speeds for the materials used
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Overload protection: protects the motor from overheating
- No-volt release switch: prevents unintentional startup after power cut
- Wear indication for the carbon brushes shows when the carbon brushes are due for replacement
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Rotating carbon brush bridge for maximum performance even in anti-clockwise rotation, e.g. when removing jammed screws
- Thumbwheel for preselection of speed
- Two-speed gear unit
- Metabo Maraton motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Clockwise and anti-clockwise rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Handle with non-slip softgrip surface
- Cable-protecting ball joint for best freedom of motion when working

**System Components**

218, 285 → Accessories

# The Metabo Quick system: Versatile and comfortable



**Quick and efficient working**

By being able to switch between different applications using a quick change style drill chuck, angle attachment or bit retainer.

**Increase in efficiency with competence accessories**

thanks to the Metabo »Quick« system and the magnetised female hexagon socket, screwdriver bits and drill bits can be inserted directly into the durable hex socket. This permits drilling in confined spaces.

**Screwdriver bits with 1/4" (6.35 mm) hexagonal shank**

**Quick change angle adapter »Quick« order no. 6.27241**

**Drill with 1/4" (6.35 mm) hexagonal shank**

**13 mm quick change drill chuck Futuro Plus »Quick« order no. 6.27240**

**10 mm quick change drill chuck Futuro Plus »Quick« order no. 6.27259**

**BE 1300 Quick**

**BE 75 Quick**

**BS 18 LTX Quick**

**BS 18 LTX BL Quick**

**BS 18 LT Quick, BS 14.4 LT Quick**

**PowerMaxx BS Quick**

**Quick change angle adapter »Quick« order no. 6.27242**

**PowerX3 torque attachment order no. 6.27256**

**Triple increase in power**  
The high torque attachment PowerX3 triples the power of the tool for extreme applications.

**Quick change angle adapter »Quick« order no. 6.27077**

**Quick change angle adapter PowerMaxx BS Quick order no. 6.27261**

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Technical Data	Drill BE 75 Quick	Drill BE 75-X3 Quick
Max. torque	75 Nm	75 Nm
Drill diameter in		
- Steel	16 mm	16 mm
- Soft wood	50 mm	50 mm
No-load speed	0 - 660 /min	0 - 660 /min
Rated input power	750 W	750 W
Output power	470 W	470 W
Speed at rated load	350 /min	350 /min
Collar diameter	43 mm	43 mm
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight without mains cable	2.6 kg	2.6 kg
Cable length	4 m	4 m

**Scope of delivery**

Order no.	6.00585.70	6.00585.80
PowerX 3 high torque attachment with long handle		■
Geared quick change drill chuck	■	■
Quick change system	■	■
Quick change angle adapter	■	■
chuck key	■	■
Long additional handle	■	■
MetaLoc case	■	■

**Product Advantages**

- The high torque attachment PowerX3 triples the power of the tool for extreme applications
- Suitable for drilling with large diameters and for heavy screw joints in wood without pre-drilling
- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario (V)-electronics for working with customised speeds for the materials used
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Clockwise and anti-clockwise rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck

**System Components**

218, 285 → Accessories



Technical Data	Drill BE 1300 Quick	Drill BE 1300-X3 Quick
Max. torque	46 Nm/17 Nm	46 Nm/17 Nm
Drill diameter in		
- Steel	16 mm/8 mm	16 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 1,000 / 0 - 3,100 /min	0 - 1,000 / 0 - 3,100 /min
Rated input power	1,300 W	1,300 W
Output power	790 W	790 W
Speed at rated load	1.000/3,100 /min	1.000/3,100 /min
Collar diameter	43 mm	43 mm
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight without mains cable	3 kg	3 kg
Cable length	4 m	4 m

**Scope of delivery**

Order no.	6.00593.70	6.00593.80
PowerX 3 high torque attachment with long handle		■
Quick-change drill chuck	■	■
Quick change system	■	■
Quick change angle adapter	■	■
Long additional handle	■	■
MetaLoc case	■	■

**Product Advantages**

- The high torque attachment PowerX3 triples the power of the tool for extreme applications
- Suitable for drilling with large diameters and for heavy screw joints in wood without pre-drilling
- Metabo »Quick« System: Quick change of tool holder and tool being used for flexible applications
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load. Thumbwheel for preselection of speed
- Two-speed gear unit
- Metabo Maraton motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Clockwise and anti-clockwise rotation
- Quick-action keyless chuck and spindle stop for convenient one-hand tool change
- Overload protection: protects the motor from overheating
- No-volt release switch: prevents unintentional startup after power cut
- Cable-protecting ball spout for best freedom of motion when working
- Wear indication for the carbon brushes shows when the carbon brushes are due for replacement

**System Components**

218, 285 → Accessories



Technical Data	Drill BDE 1100
Max. torque	55 Nm/22 Nm
Drill diameter in	
- Steel	16 mm/10 mm
- Soft wood	40 mm/25 mm
No-load speed	0 - 640 / 0 - 1,200 /min
Rated input power	1,100 W
Output power	620 W
Speed at rated load	430/800 /min
Collar diameter	43 mm
Drill spindle thread	5/8 " - 16 UN
Chuck capacity	3 - 16 mm
Weight without mains cable	4.3 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.00806 <sup>1) 2)</sup>
Geared chuck	■
Chuck key	■
Long additional handle	■
Drilling depth guide	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario (V)-electronics for working with customised speeds for the materials used
- Two-speed gear unit
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Clockwise and anti-clockwise rotation
- Suitable for powerful drilling of larger diameters and for stirring thick liquid-like materials
- Comfortable operation and safety through auxiliary handle

**System Components**

218, 285 → Accessories



Technical Data	Angle Drill WBE 700
Max. torque	8 Nm
Drill diameter in	
- Steel	10 mm
- Soft wood	25 mm
No-load speed	850 - 2,600 /min
Rated input power	705 W
Output power	430 W
Speed at rated load	2,000 /min
Drill spindle thread	1/2 " - 20 UNF
Chuck capacity	1 - 10 mm
Weight without mains cable	2 kg
Cable Length	4 m

**Scope of delivery**

Order no.	6.00512
Geared chuck	■
Chuck key	■
Side handle	■

**Product Advantages**

- Powerful angle drill for drilling and fixing screws in hard to reach areas
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario-Constamatic (VC) Electronics for working with customised speeds for the materials used that remain almost constant under load
- Thumbwheel for preselection of speed

**Technical Data**

Technical Data	Drill B 32/3
Max. torque	190 Nm/120 Nm/90 Nm
Drill diameter in	
- Steel	32 mm
- Soft wood	70 mm
No-load speed	170/320/470 /min
Rated input power	1,800 W
Output power	1,200 W
Speed at rated load	110/190/280 /min
Collar diameter	65 mm
Drill spindle with inside taper	MK 3
Weight without mains cable	7.8 kg
Cable length	5 m

**Scope of delivery**

Order no.	6.00323 <sup>1)</sup>
Chuck key	■
Long additional handle	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Powerful three-speed drill with extra high torque
- Core drilling up to Ø 100 mm combined with the magnetic drill stand M 100 (accessory 6.27100)
- Robust mechanical gearbox with oil bath lubrication
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario (V)-electronics for working with customised speeds for the materials used
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- For easy drilling of larger diameters and driving in of very long screws

**System Components**

218, 247, 285 → Accessories

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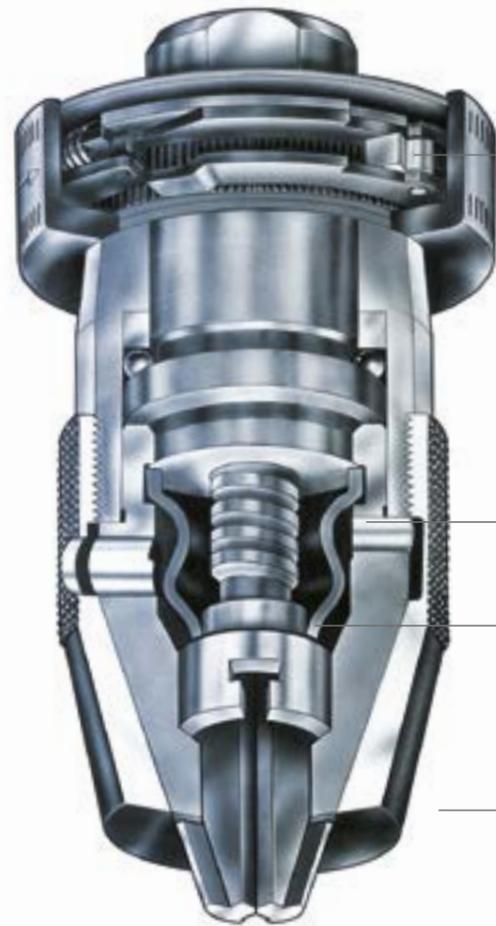
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# Drill chuck: Precise fitting parts and a long service life

Simple handling, secure fit and long service life are the quality factors of a quality drill chuck. The Metabo Futuro Top drill chucks have a spring-loaded bit clamping mechanism for precise fit, and the hardened and ground components (clamping jaws, guide sleeve and the chuck body) of the drill chuck ensure a long service life and precise working.



## Metabo Futuro Top quick-action chuck

### Spring-loaded safety feature

To ensure secure grip of the fitted drill even under the toughest possible, continuous operating conditions of 62,000 strokes/min.

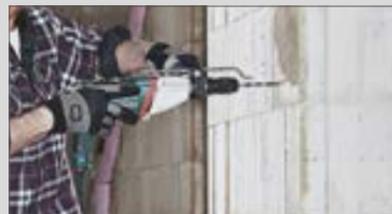
### Dual dust protection

Any dust that gets between the jaw guide and the rubber bellow is ejected through the openings in the chuck sleeve.

A hard-wearing, oil-resistant rubber bellows system protects the thread and the precision press fit from contamination.

### Precise fitting parts and a long service life

All of the heavily used parts of the chuck are hardened. The clamping jaws, the guide sleeves and the chuck body have a ground finish.



### Easy to use

The drill chuck can be opened easily and conveniently even after it has been used for tough drilling or impact drilling jobs.



### Guarantee for optimal quality

The individual parts of the chucks pass through in excess of 30 inspection points during the course of manufacture.



After assembly, each chuck is checked thoroughly for concentric operation and functional safety.

## Drill chuck

### Quick-action chuck, impact-proof

	Clamping width mm	Female thread	Outer Ø mm	Length (closed) mm	Weight kg	Order no.	
 <p><b>Futuro Top, R quick-action chuck</b></p> <ul style="list-style-type: none"> <li>■ The first impact-proof quick-action keyless chuck, with integrated spring-loaded bit clamping mechanism and dual dust protection</li> <li>■ Keyless for quick tool change</li> <li>■ Extreme grip even under the toughest loads</li> <li>■ A hard-wearing, oil-resistant rubber seal system protects the thread and the precision press fit against dust and dirt</li> <li>■ For clockwise rotating drills only</li> </ul>	1 - 10	3/8"-24 UNF	42.8	77	0.35	6.36215	
	1 - 10	1/2"-20 UNF	42.8	77	0.35	6.36216	
	1 - 10	B12	42.8	77	0.35	6.36217	
	1 - 13	3/8"-24 UNF	42.8	89	0.5	6.36225	
	1 - 13	1/2"-20 UNF	42.8	89	0.5	6.36226	
	1 - 13	B16	42.8	103	0.6	6.36227	
	3 - 16	5/8" - 16 UN	50	113	1	6.36241	
	3 - 16	B16	50	113	1	6.36242	
	3 - 16	B18	50	113	1	6.36243	
	1 - 10	1/2"-20 UNF	42.8	77	0.35	6.36601*	
1 - 13	1/2"-20 UNF	42.8	89	0.5	6.36602*		
 <p><b>Futuro Plus S1 M, R + L quick-action chuck</b></p> <ul style="list-style-type: none"> <li>■ Special design for impact drills with spindle stop</li> <li>■ Sturdy design with metal sleeve</li> <li>■ 1-sleeve (without supporting ring)</li> <li>■ Keyless for quick tool change</li> <li>■ Impact-proof design</li> <li>■ Drills through using locking screw for clockwise and anticlockwise operating machines</li> <li>■ With key surface for assembly and disassembly</li> </ul>	1.5 - 13	1/2"-20 UNF	42.9	72.4	0.3	6.36621*	
	 <p><b>Futuro Plus S1, R + L quick-action chuck</b></p> <ul style="list-style-type: none"> <li>■ Specially developed for lightweight impact drills with spindle stop</li> <li>■ Plastic sleeve</li> <li>■ 1-sleeve (without supporting ring)</li> <li>■ Keyless for quick tool change</li> <li>■ Impact-proof design</li> <li>■ Drills through using locking screw for clockwise and anticlockwise operating machines</li> <li>■ With key surface for assembly and disassembly</li> </ul>	1 - 10	3/8"-24 UNF	42.7	61	0.2	6.36615*
		1 - 10	1/2"-20 UNF	42.7	61	0.2	6.36616*
1.5 - 13		1/2"-20 UNF	42.7	72.4	0.2	6.36617*	
 <p><b>Futuro Plus S2 M, R + L quick-action chuck</b></p> <ul style="list-style-type: none"> <li>■ Specially developed for impact drills</li> <li>■ Sturdy design with metal sleeve. Version 6.36619 with hardened carbide jaws</li> <li>■ Double sleeve with radial locking for secure tool clamping</li> <li>■ Keyless for quick tool change</li> <li>■ Impact-proof design</li> <li>■ Drills through using locking screw for clockwise and anticlockwise operating machines</li> <li>■ With key surface for assembly and disassembly</li> </ul>	1.5 - 13	1/2"-20 UNF	42.9	72.4	0.3	6.36620*	
	1.5 - 13	1/2"-20 UNF	42.9	72.4	0.3	6.36619*	

### Legend for the drill chuck designations

- B = Conical
- J = Jakobs
- S = impact-proof
- 1 or 2 = number of sleeves
- M = metal version
- R = for clockwise rotation
- R+L = for clockwise and anti-clockwise rotation
- H = plastic version

\* Self-service packaging

	Clamping width mm	Female thread	Outer Ø mm	Length (closed) mm	Weight kg	Order no.
	<b>Futuro Plus S2, R + L quick-action chuck</b>					
	<ul style="list-style-type: none"> <li>■ Specially developed for lightweight impact drills</li> <li>■ Plastic sleeve</li> <li>■ Double sleeve with radial locking for secure tool clamping</li> <li>■ Keyless for quick tool change</li> <li>■ Impact-proof design</li> <li>■ Drills through using locking screw for clockwise and anticlockwise operating machines</li> <li>■ With key surface for assembly and disassembly</li> </ul>					
	1 - 10	3/8"-24 UNF	42.8	61	0.2	6.36612*
	1 - 10	1/2"-20 UNF	42.8	61	0.2	6.36613*
	1.5 - 13	1/2"-20 UNF	42.8	72.4	0.2	6.36614*

**Quick-action chuck, impact-proof**

	Clamping width mm	Female thread	Outer Ø mm	Length (closed) mm	Weight kg	Order no.
	<b>Futuro, R quick-action chuck</b>					
	<ul style="list-style-type: none"> <li>■ Clamping bits and accessories for hand-held and stationary drilling machines without using a spanner</li> <li>■ The chuck adjusts its grip automatically to match the force applied by the bit's cutting edges</li> <li>■ The chuck can be reopened easily by hand even after it has been used on tough drilling jobs</li> <li>■ For maximum load</li> <li>■ For clockwise rotating drills only</li> <li>■ Not impact-proof</li> </ul>					
	1 - 10	3/8"-24 UNF	37.5	77	0.35	6.36321
	1 - 10	1/2"-20 UNF	37.5	77	0.35	6.36322
	1 - 10	B12	37.5	77	0.35	6.36323
	1 - 10	B16	40.5	103	0.6	6.36333
	1 - 13	3/8"-24 UNF	40.5	89	0.6	6.36341
	1 - 13	1/2"-20 UNF	40.5	89	0.6	6.36342
	1 - 13	B16	40.5	103	0.6	6.36343
	1 - 13	1/2"-20 UNF	47.5	111	0.8	6.36351
	1 - 13	B16	47.5	111	0.8	6.36353
	1 - 13	J6	47.5	111	0.8	6.36356
	3 - 16	5/8" - 16 UN	50	113	1	6.36361
	3 - 16	B16	50	113	1	6.36362
	3 - 16	B18	50	113	1	6.36363
	3 - 16	J6	50	113	1	6.36364

	<b>Futuro Plus H2, R + L quick-action chuck</b>					
	<ul style="list-style-type: none"> <li>■ Specially developed for cordless drills. For light duty use</li> <li>■ Plastic sleeve</li> <li>■ 2-sleeve with supporting ring for firm grip of tools</li> <li>■ Keyless for quick tool change</li> <li>■ Not impact-proof</li> <li>■ Drills through using locking screw for clockwise and anticlockwise operating machines</li> <li>■ With key surface for assembly and disassembly</li> </ul>					
	1 - 10	3/8"-24 UNF	42.7	61	0.2	6.36518*
	1 - 10	1/2"-20 UNF	42.7	61	0.2	6.36519*
	1.5 - 13	1/2"-20 UNF	42.7	72.4	0.2	6.36520*

**Legend for the drill chuck designations**

- B = Conical
- J = Jakobs
- S = impact-proof
- 1 or 2 = number of sleeves
- M = metal version
- R = for clockwise rotation
- R+L = for clockwise and anti-clockwise rotation
- H = plastic version

	Clamping width mm	Female thread	Outer Ø mm	Length (closed) mm	Weight kg	Order no.
	<b>Futuro Plus H1, R + L quick-action chuck</b>					
	<ul style="list-style-type: none"> <li>■ Special design for drills with spindle stop</li> <li>■ Plastic sleeve</li> <li>■ 1-sleeve without supporting ring</li> <li>■ Keyless for quick tool change</li> <li>■ Not impact-proof</li> <li>■ Drills through using locking screw for clockwise and anticlockwise operating machines</li> <li>■ With key surface for assembly and disassembly</li> </ul>					
	1 - 10	3/8"-24 UNF	42.7	61	0.2	6.36515*
	1 - 10	1/2"-20 UNF	42.7	61	0.2	6.36516*
	1 - 10	1/2"-20 UNF	40	65	0.16	6.36219*
	1.5 - 13	1/2"-20 UNF	42.7	72.4	0.2	6.36517*

	<b>Futuro Plus H1 M, R+L quick-action chuck</b>					
	<ul style="list-style-type: none"> <li>■ Special design for drills with spindle stop</li> <li>■ 1-sleeve (without supporting ring)</li> <li>■ Keyless for quick tool change</li> <li>■ Not impact-proof</li> <li>■ With key surface for assembly and disassembly</li> </ul>					
	0.8 - 6.5	1/2"-20 UNF	34	57	0.14	6.36623*

**Gear chuck, impact-proof**

	Clamping width mm	Female thread	Outer Ø mm	Length (closed) mm	Weight kg	Key size	Order no.
	<b>Gear chuck with key, R</b>						
	<ul style="list-style-type: none"> <li>■ Tried and tested 1000 times</li> <li>■ The chuck for every type of job</li> <li>■ With female thread or taper socket for stationary or hand-held drills and for hand-held impact drills</li> <li>■ The clamping force remains constant during drilling and impact drilling</li> <li>■ For clockwise rotating drills only</li> </ul>						
	0.5 - 6.5	3/8"-24 UNF	30	53	0.17	1	6.35008
	1 - 10	3/8"-24 UNF	33.3	61	0.21	2	6.35019
	1 - 10	1/2"-20 UNF	33.3	61	0.2	2	6.35072
	1.5 - 13	3/8"-24 UNF	42.5	74	0.32	2	6.35033
	1.5 - 13	1/2"-20 UNF	42.5	74	0.31	2	6.35035
	1.5 - 13	1/2"-20 UNF	42.5	74	0.31	2	6.35302*
	1.5 - 13	B16	42.5	78	0.35	2	6.35036
	3 - 16	1/2"-20 UNF	50	87.5	0.6	3	6.35054
	3 - 16	5/8" - 16 UN	50	87.5	0.59	3	6.35056
	3 - 16	B16	50	86	0.64	3	6.35050
	3 - 16	B18	50	94.5	0.63	3	6.35049
	5 - 20	B22	65	113	0.75	4	6.35058

	<b>Gear chuck with key, R + L</b>						
	<ul style="list-style-type: none"> <li>■ Tried and tested 1000 times</li> <li>■ The chuck for every type of job</li> <li>■ With female thread or taper socket for stationary or hand-held drills and for hand-held impact drills</li> <li>■ The clamping force remains constant during drilling and impact drilling</li> <li>■ Drills through using locking screw for clockwise and anticlockwise operating machines</li> </ul>						
	1 - 10	3/8"-24 UNF	33.3	61	0.17	2	6.35254
	1 - 10	1/2"-20 UNF	33.3	61	0.17	2	6.35252
	1.5 - 13	3/8"-24 UNF	42.5	74	0.31	2	6.35255
	1.5 - 13	1/2"-20 UNF	42.5	74	0.31	2	6.35250
	3 - 16	5/8" - 16 UN	50	87.5	0.6	2	6.35253
	1.5 - 13	1/2"-20 UNF	42.5	74	0.32	2	6.35304*

\* Self-service packaging

## Chuck accessories

## Spare chuck key



- Gears according to DIN
- For all geared chucks

Key size	Spigot Ø D mm	Shaft length L mm	Order no.
1	4	30	6.35165
2	6	42	6.35177
3	8	50	6.35168
4	9	55	6.35169
2	6	42	6.35167*

## Taper arbors for chucks



- Hardened and ground
- For chuck with taper socket
- According to DIN 238

Outer Morse taper Ø	Chuck key	Overall length of taper arbor mm	Weight kg	Order no.
MK 1	B 12	89	0,065	6.35104
MK 1	B 16	97	0.09	6.35105
MK 2	B 12	106.5	0,135	6.35114
MK 2	B 16	110.5	0.16	6.35115
MK 2	B 18	117.5	0.18	6.35116
MK 3	B 16	134	0.31	6.35125
MK 3	B 18	141	0.32	6.35126
MK 3	B 22	147	0.39	6.35128
MK 4	B 16	159	0,625	6.35132
MK 4	B 18	168	0.66	6.35133

## Reducer inserts



- Standard type
- Similar to DIN 2185
- Ground external taper

Outer Morse taper Ø	Inner Morse taper Ø	Overall length mm	Weight kg	Order no.
MK 3	MK 2	112	0.19	6.35143
MK 4	MK 2	124	0.48	6.35144
MK 4	MK 3	140	0.36	6.35146

## Drift key

Suitable for machine with Morse taper	Overall length mm	Weight kg	Order no.
MK 1, MK 2	140	0.07	6.42395
MK 3	190	0.15	6.42396

## Accessories for »Quick« drill and drill/screwdriver



## PowerX3 torque attachment

- The torque attachment enables the power of the tool (torque) to be tripled to handle tough jobs
  - Suitable for all Metabo cordless drills/screwdriver, cordless impact drill and drills with Metabo »Quick«- quick change adapter in combination with 43 mm collet
  - Standard equipment incl. bit (1 x TX 50) and intermediate piece for adjusting the handle length
- Attention: Use the PowerX3 only in connection with the following tools and the correct length of the handle: BS 18 LTX - 340 mm; BE 1300 Quick - 340 mm; BE 75 Quick - 640 mm.

Order no.

6.27256

## Extension piece side handle Power X3

- For the extension of the side handle of the Power X3 torque attachment in connection with the drill BE 75 Quick (due to the high torque).

6.27258



## Quick change drill chuck Futuro Plus S 1 M, »Quick«

- Simple, fast and convenient change of the drill chuck thanks to the Metabo Quick change system
- Drill chuck: stable model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation
- Maximum opening: 1.5 - 13 mm
- Suitable for Metabo BS 14,4 LT Quick, BS 18 LTX Quick, BS 18 LTX BL Quick, BE 1300 Quick

6.27240\*

NEW



## Quick change drill chuck Futuro Plus H 1 R+L, »Quick«

- Simple, fast and convenient change of the drill chuck thanks to the Metabo Quick change system
- Drill chuck: model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation
- Maximum opening: 1.0 - 10 mm
- Suitable for Metabo PowerMaxx BS Quick

6.27259\*



## Quick change geared chuck »Quick«

- Simple, fast and convenient change of the drill chuck thanks to the Metabo Quick change system
- Geared chuck: impact-proof version; suitable for clockwise and anti-clockwise rotation
- Maximum opening: 1.5 - 13 mm
- Suitable for Metabo BE 75 Quick, BE 1300 Quick, BS 14.4 LT Quick, BS 18 LTX Quick

6.27238\*



## »Quick« quick change system

- Simple, fast and convenient change of the bit retainer thanks to the Metabo Quick change system
- Chuck suitable for bits with 1/4" external hexagonal drive according to DIN 3126- C 6.3 and E 6.3
- Suitable for Metabo BS 14.4 LT Quick, BS 18 LTX Quick, BS 18 LTX BL Quick, BE 1300 Quick, BE 75 Quick, Power Maxx BS Quick

6.27241\*



## Quick change angle adapter »Quick«

- Quick and comfortable fixing of angle adapter without tools
- Quick spindle for fixing the quick change angle adapter 6.27240 and bit holder 6.27241
- Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank
- Suitable for clockwise and anti-clockwise rotation
- Suitable for cordless machines up to a maximum of 110 Nm
- Suitable for Metabo BS 14,4 LT Quick (bis Bj.01/2013), BS 18 LTX Quick, BS 18 LTX BL Quick, BE 1300 Quick, BE 75 Quick

6.27242\*

NEW



## Quick change angle adapter PowerMaxx BS Quick

- For fixing screws more easily at locations difficult to reach
- Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank
- Gears made of special steel
- Suitable for clockwise and anti-clockwise rotation; up to max. 28 Nm
- Especially for PowerMaxx BS Quick (type no. 6.00156; 6.00157)

6.27261\*



## Quick change angle adapter »Quick«

- Quick and comfortable fixing of angle adapter without tools
- Quick spindle for fixing the quick change angle adapter 6.27240 and bit holder 6.27241
- Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank
- Suitable for clockwise and anti-clockwise rotation
- Suitable for cordless machines up to a maximum of 100 Nm
- Suitable only for Metabo BS 14.4 LT Quick, BS 18 LT Quick (from year of construction 02/2013)

6.27077\*

# Drill bits for metal



## HSS-R metal drill bit, DIN 338, roll-milled

Spiral drill bit made of high-grade high-speed steel according to DIN 338, roll-milled, cylindrical, right-hand cutting, type N, black surface  
**Application:**  
 Suitable for drilling in commonly used steel, non-ferrous metals, alloyed and non-alloyed cast steel. Up to 900 N/mm<sup>2</sup> tensile strength.

## HSS-G metal drill bit, DIN 338, ground

Precision spiral drill bit made of high-grade high-speed steel according to DIN 338, precision ground, cylindrical, right-hand cutting, type N, crosswise grinding 135° according to DIN 1412 C (from 3 mm), polished surface  
**Application:**  
 For maximum load and precision in crafts and industry. For drilling in steel and cast steel, alloyed and non-alloyed, grey cast iron, sintered iron, nickel silver, graphite, etc. Up to 900N/mm<sup>2</sup> tensile strength.

## HSS-Co metal drill bit, DIN 338, ground

Precision spiral drill bit made of cobalt-alloy high-grade high-speed steel according to DIN 338, precision-ground, cylindrical, type N, reinforced core thickness, with crosswise grinding 135° according to DIN 1412 C (from 2 mm), bronze surface  
**Application:**  
 For maximum load and precision in crafts and industry. For drilling hard-to-machine materials such as heat, corrosion and acid resistant steels, VA steel, special alloys, welded seams, CrNi-steels. Up to 1100 N/mm<sup>2</sup> tensile strength.

## HSS-TiN metal drill bit, DIN 338, ground

Precision spiral drill made of titanium coated high-grade high-speed steel according to DIN 338, precision ground, cylindrical, right-hand cutting, type N, crosswise ground 135° (from 3 mm upwards) to DIN 1412 C, gold colour surface finish.  
**Application:**  
 For maximum load and precision in crafts and industry. For drilling steel and cast-steel, alloyed and non-alloyed, grey cast iron, annealed cast-iron, nickel silver, graphite, bronze and brass (not suitable for aluminium). Up to 900 N/mm<sup>2</sup> tensile strength.

# Drill bits for metal

## HSS-R metal drill bit, DIN 338, roll-milled



- Spiral drill bit made of high-grade high-speed steel according to DIN 338, roll-milled, cylindrical, right-hand cutting, type N
- Cone-shaped shell polished surface 118°, diameter tolerance h8
- Black surface
- Suitable for drilling in steel, non-ferrous metals, alloyed and non-alloyed cast steel. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
1	34	12	10	6.27700
1.1	36	14	10	6.27701
1.2	38	16	10	6.27702
1.3	38	16	10	6.27703
1.4	40	18	10	6.27704
1.5	40	18	10	6.27705
1.6	43	20	10	6.27706
1.7	43	20	10	6.27707
1.8	46	22	10	6.27708
1.9	46	22	10	6.27709
2	49	24	10	6.27710
2.1	49	24	10	6.27711
2.2	53	27	10	6.27712
2.3	53	27	10	6.27713
2.4	57	30	10	6.27714
2.5	57	30	10	6.27715
2.6	57	30	10	6.27716
2.7	61	33	10	6.27717
2.8	61	33	10	6.27718
2.9	61	33	10	6.27719
3	61	33	10	6.27720
3.1	65	36	10	6.27721
3.2	65	36	10	6.27722
3.3	65	36	10	6.27723
3.4	70	39	10	6.27724
3.5	70	39	10	6.27725
3.6	70	39	10	6.27726
3.7	70	39	10	6.27727
3.8	75	43	10	6.27728
3.9	75	43	10	6.27729
4	75	43	10	6.27730
4.1	75	43	10	6.27731
4.2	75	43	10	6.27732
4.3	80	47	10	6.27733
4.4	80	47	10	6.27734
4.5	80	47	10	6.27735
4.6	80	47	10	6.27736
4.7	80	47	10	6.27737
4.8	86	52	10	6.27738
4.9	86	52	10	6.27739
5	86	52	10	6.27740
5.1	86	52	10	6.27741
5.2	86	52	10	6.27742
5.3	93	57	10	6.27743
5.4	93	57	10	6.27744
5.5	93	57	10	6.27745
5.6	93	57	10	6.27746
5.7	93	57	10	6.27747
5.8	93	57	10	6.27748
5.9	93	57	10	6.27749
6	93	57	10	6.27750
6.1	101	63	10	6.27751

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
6.2	101	63	10	6.27752
6.3	101	63	10	6.27753
6.4	101	63	10	6.27754
6.5	101	63	10	6.27755
6.6	101	63	10	6.27756
6.7	101	63	10	6.27757
6.8	109	69	10	6.27758
6.9	109	69	10	6.27759
7	109	69	10	6.27760
7.1	109	69	10	6.27761
7.2	109	69	10	6.27762
7.3	109	69	10	6.27763
7.4	109	69	10	6.27764
7.5	109	69	10	6.27765
7.6	117	75	10	6.27766
7.7	117	75	10	6.27767
7.8	117	75	10	6.27768
7.9	117	75	10	6.27769
8	117	75	10	6.27770
8.1	117	75	10	6.27771
8.2	117	75	10	6.27772
8.3	117	75	10	6.27773
8.4	117	75	10	6.27774
8.5	117	75	10	6.27775
8.6	125	81	10	6.27776
8.7	125	81	10	6.27777
8.8	125	81	10	6.27778
8.9	125	81	10	6.27779
9	125	81	10	6.27780
9.1	125	81	10	6.27781
9.2	125	81	10	6.27782
9.3	125	81	10	6.27783
9.4	125	81	10	6.27784
9.5	125	81	10	6.27785
9.6	133	87	10	6.27786
9.7	133	87	10	6.27787
9.8	133	87	10	6.27788
9.9	133	87	10	6.27789
10	133	87	10	6.27790
10.2	133	87	5	6.27792
10.5	133	87	5	6.27795
11	142	94	5	6.27800
11.5	142	94	5	6.27805
12	151	101	5	6.27810
12.5	151	101	5	6.27815
13	151	101	5	6.27820

Drill bits for metal, HSS-R, DIN 338, with offset shaft



- Spiral drill bit made of high-grade high-speed steel according to DIN 338, roll-milled, cylindrical, right-hand cutting, type N
- Cone-shaped shell polished surface 118°, diameter tolerance h8
- Black surface
- Suitable for drilling in steel, non-ferrous metals, alloyed and non-alloyed cast steel. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Shaft Ø mm	Sales unit	Order no.
13.5	160	108	10	1	6.25006*
14	160	108	10	1	6.25007*
15	169	114	10	1	6.25009*
16	178	120	10	1	6.25011*
17	184	125	13	1	6.25013*
18	191	130	13	1	6.25015*
19	198	135	13	1	6.25017*
20	205	140	13	1	6.25019*

HSS-G metal drill bit, DIN 338, ground



- Precision spiral drill bit made of high-grade high-speed steel according to DIN 338, precision ground, cylindrical, right-hand cutting, type N, crosswise grinding 135° according to DIN 1412 C (from 3 mm), diameter tolerance h8
- Bare surface
- For maximum load and precision in industry and craft. For drilling steel and cast steel, alloyed and unalloyed, grey cast iron, malleable cast iron, ductile cast iron, sintered iron, nickel silver, graphite, non-ferrous metals, plastic. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
1	34	12	10	6.27852
1.5	40	18	10	6.27857
2	49	24	10	6.27862
2.5	57	30	10	6.27867
3	61	33	10	6.27872
3.2	65	36	10	6.27874
3.3	65	36	10	6.27875
3.5	70	39	10	6.27877
4	75	43	10	6.27882
4.1	75	43	10	6.27883
4.2	75	43	10	6.27884
4.5	80	47	10	6.27887
4.8	86	52	10	6.27890
5	86	52	10	6.27892
5.1	86	52	10	6.27893
5.2	86	52	10	6.27894
5.5	93	57	10	6.27897
6	93	57	10	6.27902
6.5	101	63	10	6.27907
6.8	109	69	5	6.27910
7	109	69	5	6.27912
7.5	109	69	5	6.27917
8	117	75	5	6.27922
8.2	117	75	5	6.27924
8.5	117	75	5	6.27927
9	125	81	5	6.27932
9.5	125	81	5	6.27937
10	133	87	5	6.27942
10.2	133	87	5	6.27943
10.5	133	87	5	6.27944
11	142	94	5	6.27945

\* Self-service packaging

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Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
11.5	142	94	5	6.27946
12	151	101	5	6.27947
12.5	151	101	5	6.27948
13	151	101	5	6.27949
1	34	12	2	6.27950*
1.5	40	18	2	6.27951*
2	49	24	2	6.27952*
2.5	57	30	2	6.27953*
3	61	33	2	6.27954*
3.2	65	36	2	6.27955*
3.5	70	39	2	6.27957*
4	75	43	2	6.27958*
4.2	80	47	1	6.27960*
4.5	80	47	1	6.27961*
4.8	86	52	1	6.27962*
5	86	52	1	6.27963*
5.5	93	57	1	6.27966*
6	93	57	1	6.27967*
6.5	101	63	1	6.27968*
6.8	109	69	1	6.27969*
7	109	69	1	6.27970*
7.5	109	69	1	6.27971*
8	117	75	1	6.27973*
8.5	117	75	1	6.27975*
9	125	81	1	6.27976*
9.5	125	81	1	6.27977*
10	133	87	1	6.27978*
10.5	133	87	1	6.27980*
11	142	94	1	6.27981*
11.5	142	94	1	6.27982*
12	151	101	1	6.27983*
12.5	151	101	1	6.27984*
13	151	101	1	6.27985*

Drill bits for metal, HSS-G, long, DIN 340



- Precision spiral drill bit made of high-grade high-speed steel according to DIN 340, ground from the whole, long, cylindrical, right-hand cutting, type N, crosswise grinding 135° according to DIN 1412 C (from 3 mm), diameter tolerance h8
- Bare surface
- For highest demands and precision in industry and craft
- For drilling steels, cast steel, alloyed and unalloyed, grey cast iron, ductile cast iron, sintered iron, nickel silver, graphite. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
2	85	56	1	6.25031*
3	100	66	1	6.25033*
4	119	78	1	6.25038*
5	132	87	1	6.25043*
6	139	91	1	6.25050*
7	156	102	1	6.25053*
8	165	109	1	6.25055*
9	175	115	1	6.25057*
10	184	121	1	6.25059*
11	195	128	1	6.25062*
12	205	134	1	6.25064*
13	205	134	1	6.25066*

Drill bit for metal, HSS-G, DIN 3126, with hexagonal shank



- High-quality precision tool made of the finest hardened steel
- Precision ground from one piece (not a bolted or welded 2-piece product)
- Ideal for the new generation of drills equipped with quick change keyless chuck according to DIN 3126.
- Our drills' strict compliance to DIN 3126 E6.3 ensures that the chuck is not damaged.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
2	47	16	1	6.27514*
3	47	16	1	6.27515*
4	53	20	1	6.27516*
5	59	26	1	6.27517*
6	59	26	1	6.27518*
8	60	32	1	6.27519*

HSS-Co metal drill bit, DIN 338



- Precision spiral drill bit made of cobalt-alloy high-grade high-speed steel according to DIN 338, precision-ground, cylindrical, type N, reinforced core thickness, with crosswise grinding 135° according to DIN 1412 C (from 2 mm), diameter tolerance h8
- Bronze surface
- For exceptional demands and precision work in small trading and industry
- For drilling in steel, VA-steel, cast steel, non-ferrous metals, plastics, special alloys, chrome vanadium steel up to 1100 N/mm<sup>2</sup> tensile strength

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
1	34	12	2	6.27430*
1.5	40	18	2	6.27431*
2	49	24	2	6.27432*
2.5	57	30	2	6.27433*
3	61	33	2	6.27435*
3.2	65	36	2	6.27436*
3.3	65	36	2	6.27437*
3.5	70	39	2	6.27438*
4	75	43	2	6.27439*
4.1	75	43	1	6.27440*
4.2	75	43	1	6.27441*
4.5	80	47	1	6.27442*
4.8	86	52	1	6.27443*
5	86	52	1	6.27444*
5.1	86	52	1	6.27445*
5.2	86	52	1	6.27446*
5.5	93	57	1	6.27447*
6	93	57	1	6.27448*
6.5	101	63	1	6.27449*
6.8	109	69	1	6.27450*
7	109	69	1	6.27451*
7.5	109	69	1	6.27452*
8	117	75	1	6.27454*
8.2	117	75	1	6.27455*
8.5	117	75	1	6.27456*
9	125	81	1	6.27457*
9.5	125	81	1	6.27458*
10	133	87	1	6.27459*
10.2	133	87	1	6.27460*
10.5	133	87	1	6.27461*
11	142	94	1	6.27462*
11.5	142	94	1	6.27463*

\* Self-service packaging

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
12	151	101	1	6.27464*
12.5	151	101	1	6.27465*
13	151	101	1	6.27466*

Formwork drill bits HSS, DIN 7490



- Spiral drill bit made of HSS steel for extra long tool life
- Corresponds to the safety requirements of the Wood Professional Association according to DIN 7490
- No clamping in drill hole, good chip removal
- For drilling through walls as well as boards, beams, floor boards made of soft and hard wood. Also suitable for facade and as a roofer's drill bit for metal, profile sheets etc.

Diameter mm	Overall length mm	Working length	Sales unit	Order no.
6	400		1	6.27330*
8	400		1	6.27331*
10	400		1	6.27332*
12	400		1	6.27333*
14	400		1	6.27334*
16	400		1	6.27335*
18	400		1	6.27336*
20	400		1	6.27337*
22	400		1	6.27338*
8	600		1	6.27401*
10	600		1	6.27402*
12	600		1	6.27403*
14	600		1	6.27404*
16	600		1	6.27405*

Routing drill bit



- Routing drill bit made of HSS steel with very efficient routing spirals, crosswise grinding 135° according to DIN 1412 C, titanium nitride coating
- Extremely suitable for drilling and moulding/routing any contours in sheets and other thin-walled materials

Diameter mm	Overall length mm	Working length	Sales unit	Order no.
6	90		1	6.25150*

# Masonry drill bits, universal drill bits



## Masonry drill bits, carbide-tipped

Very robust, high-grade masonry drill bits for rotary and impact drills, carbide plate 130°, milled angle groove, straight spiral intake, heat resistant, good durability and long service life.

**Application:**  
Suitable for drilling in masonry, natural stone

## Drill bit for concrete, carbide-tipped, »classic«

High-grade concrete drill bit for rotary and impact drills, milled angle groove, straight spiral intake, long service life, heat-resistant, carbide plate 130°, negative chamfer, robust version, surface, shot peened.

**Application:**  
Suitable for drilling in concrete, masonry, natural stone

## Drill bit for concrete, carbide-tipped, »pro«

High-grade, robust concrete drill bit, with carbide plate 130°, specially heat resistant, very long service life with special groove for rapid swarf removal, surface blank with black grooves.

**Application:**  
For drilling in granite, concrete, masonry, natural and artificial stone. Suitable for light hammer drills with a three-jaw chuck

## Universal drill bit, carbide-tipped

Multi-purpose drill bit with cylindrical shaft for rotary use, diamond ground carbide inserts and a positive aggressive cutting angle, ideally suited for use with cordless tools.

**Application:**  
Suitable for drilling in wood, metal, plastic, brick, gypsum boards, aerated concrete, tiles, ceramics, etc.

\* Self-service packaging

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### Masonry drill bits, concrete drill bits

#### Drill bits for stone, carbide-tipped



- Masonry drill bit for rotary and impact drills, milled version, carbide plate 130°, robust version
- Suitable for drilling in bricks, masonry, natural stone etc.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
3	60	30	1	6.27467*
4	75	40	1	6.27468*
5	85	50	1	6.27469*
5.5	85	50	1	6.27470*
6	100	55	1	6.27471*
6	150	85	1	6.27487*
6	200	135	1	6.27490*
7	100	60	1	6.27473*
8	120	70	1	6.27474*
8	200	135	1	6.27491*
10	120	70	1	6.27476*
10	200	135	1	6.27492*
12	150	85	1	6.27478*
12	200	135	1	6.27493*
14	150	95	1	6.27480*

#### Drill bit for concrete, carbide-tipped, »classic« series



- Concrete drill bit for rotary and impact drills according to DIN 8039, milled angle groove, straight spiral intake, long tool life, heat-resistant, carbide plate 130°, negative chamfer, robust version
- Surface: shot blasted
- Suitable for drilling in concrete, masonry, natural stone

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
4	85	50	1	6.27625*
5	85	50	1	6.27626*
5	150	90	1	6.27665*
5.5	85	50	1	6.27627*
6	100	55	1	6.27646*
6	150	90	1	6.27675*
6.5	100	55	1	6.27650*
7	100	55	1	6.27651*
8	120	70	1	6.27652*
8	200	150	1	6.27679*
9	120	70	1	6.27653*
10	120	70	1	6.27654*
10	200	150	1	6.27697*
11	150	90	1	6.27655*
12	150	90	1	6.27656*
12	200	150	1	6.27698*
13	150	90	1	6.27657*
14	150	90	1	6.27658*
14	200	150	1	6.27699*
15	160	100	1	6.27659*
16	160	100	1	6.27661*
18	160	100	1	6.27662*
20	160	100	1	6.27664*

#### Drill bit for concrete, carbide-tipped, "pro" series



- High-grade, robust concrete drill bit according to DIN 8039 with carbide plate 130°, especially heat-resistant, very long tool life, with special groove for quick boring dust discharge
- Also suitable for light hammer drills with a three-jaw chuck
- Suitable for drilling in concrete, masonry, natural and artificial stone

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
4	85	50	1	6.27224*
5	85	50	1	6.27225*
5	150	105	1	6.27421*
5.5	85	50	1	6.27226*
6	100	55	1	6.27227*
6	150	105	1	6.27423*
6.5	100	55	1	6.27228*
7	100	55	1	6.27229*
8	120	70	1	6.27230*
8	200	135	1	6.27426*
9	120	70	1	6.27389*
10	120	70	1	6.27391*
10	200	135	1	6.27427*
11	150	90	1	6.27392*
12	150	90	1	6.27393*
12	200	135	1	6.27428*
13	150	90	1	6.27394*
14	150	90	1	6.27395*
14	200	135	1	6.27429*
15	150	90	1	6.27396*
16	150	90	1	6.27399*
18	160	95	1	6.27409*
20	160	95	1	6.27410*

\* Self-service packaging

Universal drill bits, glass drill bits

Universal drill bit, carbide-tipped



- Multi-purpose drill bit for straight shaft, for rotary use
- With diamond-ground carbide plate and positive, aggressive cutting angle. Ideal also for use in cordless drills
- Suitable for drilling in wood, metal, plastic, brick, gypsum boards, aerated concrete, tiles, ceramics, etc.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
3	70	40	1	6.27696*
4	85	50	1	6.27680*
5	85	50	1	6.27681*
5.5	85	50	1	6.27682*
6	100	60	1	6.27683*
6	150	90	1	6.27684*
7	100	60	1	6.27687*
8	120	80	1	6.27688*
8	250	200	1	6.27689*
10	120	80	1	6.27691*
10	250	200	1	6.27692*
12	150	90	1	6.27693*
12	250	200	1	6.27694*
14	250	200	1	6.27695*

Glass drill bits, carbide tipped



- Glass drill bit with special carbide plate
- For drilling in glass, mirror glass, bottles, tiles, etc.
- Attention: set low speeds and sufficient cooling.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
4	65		1	6.27243*
5	65		1	6.27244*
6	65		1	6.27245*
8	70		1	6.27246*
10	80		1	6.27247*

Diamond drill bit



- High-performance diamond drill bits for all types of tiles up to a scratch hardness of class 8. Also suitable for glass, porcelain, marble, etc.
- The drill bit must be cooled with water constantly. For this, use the supplied cooling and centering system.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
5	60	35	1	6.27534*
6	60	35	1	6.27535*
7	60	35	1	6.27536*
8	60	35	1	6.27537*
10	60	35	1	6.27538*
12	60	35	1	6.27539*
14	60	35	1	6.27544*

Wood drills



Drill bit for wood CV

Wood spiral drill bit made of high-grade steel, similar to DIN 7487 hardened, with centring point  
**Application:**  
 For drilling in hard and soft wood, plywood, chipboards, etc.

Auger bits

Auger bit for timber with self centring thread point and pre-cutting action, with hexagonal shaft, especially fast drilling cycle, very good material removal.  
**Application:**  
 Ideal for drilling deep holes in thick hard and soft wood, especially timber beams.

Forstner pattern bit

Similar to DIN 7483 with centering point, 2 main cutters and 2 ring cutters  
**Application:**  
 For use in hard and soft wood, veneered wooden boards. Suitable for drilling blind holes.

Flat timber drill bit

Wood drill made of high-quality steel with centring points for precise drilling and 2-sided cutting for splinter-free drilling. The 1/4" (6.35 mm) hexagonal shaft fits into traditional chucks and E 6.3 holders.  
**Application:**  
 For fast drilling soft wood, boards, chipboards, plywood, etc.

\* Self-service packaging

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Wood drills

CV drill bit for wood, with centring point



- Similar to DIN 7487
- Wood spiral drill bit made of high-grade steel, hardened, with centring point
- For use in hard and soft wood, plywood, chipboards, etc.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
3	61	33	1	6.27986*
4	75	43	1	6.27987*
5	86	52	1	6.27988*
6	93	57	1	6.27989*
7	109	69	1	6.27990*
8	117	75	1	6.27991*
9	120	81	1	6.27992*
10	133	87	1	6.27993*
11	142	89	1	6.27994*
12	151	96	1	6.27995*
13	151	96	1	6.27996*
14	151	96	1	6.27997*
15	160	100	1	6.27998*
16	160	100	1	6.27999*
18	180	130	1	6.27339*
20	200	140	1	6.27340*

Rose bits 90°



- 5-cut rose bit made of HSS steel for acute-angled countersinks, with Allen screw, for fitting on wood spiral bits
- Can also be used as depth gauge, simply invert the countersink

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
3	16		1	6.25020*
4	16		1	6.25021*
5	16		1	6.25022*
6	16		1	6.25023*
8	20		1	6.25024*
10	20		1	6.25025*

Countersink



Diameter mm	Sales unit	Order no.
16	1	6.23521*

Wood drill bits with hexagonal shank, DIN 3126



- High-quality precision tool made of the finest hardened steel
- Precision ground from one piece (not a bolted or welded 2-piece product).
- Ideal for drills equipped with quick change keyless chuck according to DIN 3126.
- Our drills' strict compliance to DIN 3126 E6.3 ensures that the chuck is not damaged.
- With centring point for precise spot-drilling.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
2	55	20	1	6.27522*
3	65	35	1	6.27523*
4	75	40	1	6.27524*
5	85	50	1	6.27525*
6	90	55	1	6.27526*
8	90	55	1	6.27527*
10	100	60	1	6.27528*

Timber auger bits for wood with hexagonal shank



- Timber auger bit with self-centring thread tip and rough cutter
- Ideal for drilling deep holes in hard and soft wood, especially beams

Diameter mm	Overall length mm	Working length mm	Sales unit	Order no.
6	230	155	1	6.27115*
7	230	155	1	6.27116*
8	230	155	1	6.27124*
10	230	155	1	6.27125*
12	230	155	1	6.27126*
14	230	155	1	6.27127*
16	230	155	1	6.27128*
18	230	155	1	6.27129*
20	230	155	1	6.27130*
22	230	155	1	6.27131*
24	230	155	1	6.27132*
26	230	155	1	6.27133*
28	230	155	1	6.27134*
30	230	155	1	6.27135*
32	230	155	1	6.27136*
8	460	385	1	6.27137*
10	460	385	1	6.27138*
12	460	385	1	6.27139*
14	460	385	1	6.27140*
16	460	385	1	6.27141*
18	460	385	1	6.27142*
20	460	385	1	6.27143*
22	460	385	1	6.27144*
24	460	385	1	6.27145*
26	460	385	1	6.27146*
28	460	385	1	6.27147*
30	460	385	1	6.27148*
32	460	385	1	6.27150*

\* Self-service packaging

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Forstner pattern bits, similar to DIN 7483 G



- Forstner pattern bit, similar to DIN 7483 G with centring point, 2 main cutters and 2 ring cutters
- For use in hard and soft wood, veneered wooden boards, etc. Suitable for drilling blind holes.

Diameter mm	Overall length mm	Shaft Ø mm	Sales unit	Order no.
10	90	8	1	6.27579*
12	90	8	1	6.27580*
14	90	8	1	6.27581*
15	90	8	1	6.27582*
16	90	8	1	6.27583*
18	90	10	1	6.27584*
20	90	10	1	6.27585*
22	90	10	1	6.27586*
24	90	10	1	6.27587*
25	90	12	1	6.27588*
26	90	12	1	6.27589*
28	90	12	1	6.27590*
30	90	12	1	6.27591*
32	90	12	1	6.27592*
34	90	12	1	6.27593*
35	90	12	1	6.27594*
36	90	12	1	6.27595*
38	90	12	1	6.27596*
40	90	12	1	6.27597*
45	90	12	1	6.27598*
50	90	12	1	6.27599*

Carbide multi-spur machine bit



- Precision multi-spur machine bit, similar to DIN 7483 C with centring point, 2 sharp rough cutters and 2 main cutters made of carbide steel
- For professional use and non-splintering drilling in veneered wooden boards as well as all natural hard and soft wood types

Diameter mm	Overall length mm	Shaft Ø mm	Sales unit	Order no.
20	90	8	1	6.25123*
25	90	8	1	6.25126*
30	90	8	1	6.25128*
35	90	10	1	6.25129*
40	90	10	1	6.25130*

Flat timber drill bits with 1/4" (6.35 mm) hexagonal shank



- Wood drill bit made of high-grade steel, with centring point for high-precision spot-drilling and two side cutters for quick and non-splintering drilling in soft wood, chipboard, plywood, light construction materials etc.
- The 1/4" (6.35 mm) hexagonal shaft fits into hex end sockets and E 6.3 holders.

Diameter mm	Overall length mm	Working length	Sales unit	Order no.
8	160		1	6.27311*
10	160		1	6.27312*
12	160		1	6.27313*
13	160		1	6.27314*
14	160		1	6.27315*
16	160		1	6.27316*

Diameter mm	Overall length mm	Working length	Sales unit	Order no.
17	160		1	6.27347*
18	160		1	6.27317*
19	160		1	6.27318*
20	160		1	6.27319*
22	160		1	6.27320*
24	160		1	6.27321*
25	160		1	6.27322*
26	160		1	6.27323*
28	160		1	6.27324*
30	160		1	6.27325*
32	160		1	6.27326*
36	160		1	6.27327*
38	160		1	6.27328*

Extension for flat timber drill bit

Diameter	Overall length	Working length mm	Sales unit	Order no.
		305	1	6.27329*

Drill assortments

HSS-R metal drill bit, DIN 338, roll-milled

	Order no.
 HSS-R bit storage case 6-piece, in plastic carry case Ø 2 / 3 / 4 / 5 / 6 / 8 mm	6.27160*
 HSS-R bit storage case 10-piece, in plastic carry case Ø 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	6.27158*
 HSS-R bit storage case 13-piece, in plastic carry case Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	6.27161*
 HSS-R bit storage case 13-piece, in plastic carry case Ø 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 mm	6.27162*
 HSS-R bit storage case 19-piece, in robust plastic carry case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	6.27164*
 HSS-R bit storage case 25-piece, in robust plastic carry case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	6.27159*
 HSS-R bit storage case 36-piece, in small metal case 5x Ø 2 / 2.5 / 3 / 3.5 mm; 3x Ø 4 / 4.5 / 5 / 5.5 mm; 2x 6 / 6.5 mm	6.27174*

\* Self-service packaging

HSS-G metal drill bit, DIN 338, ground

	Order no.
 HSS-G drill bit storage case 6-piece, in plastic carry case Ø 2 / 3 / 4 / 5 / 6 / 8 mm	6.27094*
 HSS-G drill bit storage case 13-piece, in plastic carry case Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	6.27096*
 HSS-G drill bit storage case 19-piece, in robust plastic carry case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	6.27097*
 HSS-G drill bit storage case 25-piece, in robust plastic carry case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	6.27098*

HSS-G metal drill bit with hexagonal shaft, DIN 3126

	Order no.
 HSS-G drill bit storage case 5-piece, in plastic carry case Ø 3 / 4 / 5 / 6 / 8 mm	6.27112*

HSS-Co metal drill bit, DIN 338

	Order no.
 HSS-Co drill bit storage case 6-piece, in plastic carry case Ø 2 / 3 / 4 / 5 / 6 / 8 mm	6.27119*
 HSS-Co drill bit storage case 13-piece, in plastic carry case Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	6.27120*
 HSS-Co drill bit storage case 19-piece, in robust plastic carry case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	6.27121*
 HSS-Co drill bit storage case 25-piece, in robust plastic carry case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	6.27122*

HSS-TiN metal drill bit, DIN 338

	Order no.
 HSS-TiN drill bit storage case 6-piece, in plastic carry case HSS-TiN drill bit not suitable for processing aluminium! Ø 2 / 3 / 4 / 5 / 6 / 8 mm	6.27171*
 HSS-TiN drill bit storage case 13-piece, in plastic carry case HSS-TiN drill bit not suitable for processing aluminium! Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	6.27176*
 HSS-TiN drill bit storage case 19-piece, in robust plastic carry case HSS-TiN drill bit not suitable for processing aluminium! Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	6.27173*
 HSS-TiN drill bit storage case 25-piece, in robust plastic carry case HSS-TiN drill bit not suitable for processing aluminium! Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	6.27191*

Drill bits for stone, carbide-tipped

	Order no.
 Masonry drill bit storage case 5-piece, in plastic carry case Ø 4 / 5 / 6 / 8 / 10 mm	6.27192*
 Masonry drill bit storage case 8-piece, in plastic carry case Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	6.27193*

Concrete drill, carbide tipped, »classic« series

	Order no.
 Concrete drill bit storage case 5-piece, in plastic carry case Ø 4 / 5 / 6 / 8 / 10 mm	6.27180*
 Concrete drill bit storage case 8-piece, in plastic carry case Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	6.27182*

Drill bits for concrete, carbide-tipped, "pro" series

	Order no.
 Concrete drill bit storage case 5-piece, in plastic carry case Ø 4 / 5 / 6 / 8 / 10 mm	6.27181*

Universal drill bit, carbide-tipped

	Order no.
 Universal drill bit storage case 4-piece, in plastic carry case Ø 5 / 6 / 8 / 10 mm	6.27185*

\* Self-service packaging

Assortment of drill bits for metal, stone, wood

	Order no.
 <b>Drill bit assortment</b> 9-piece, in plastic carry case 3 x Ø 5 / 6 / 8 mm each	6.27179*
 <b>Drill bit assortment</b> 18-piece, in plastic carry case 3 x Ø 3 / 4 / 5 / 6 / 8 / 10 mm each	6.27190

CV drill bit for wood, with centring point

	Order no.
 <b>Wood drill bit storage case</b> 5-piece, in plastic carry case Ø 4 / 5 / 6 / 8 / 10 mm	6.27200*
 <b>Wood drill bit storage case</b> 8-piece, in plastic carry case Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	6.27202*

Wood drill bit CV, DIN 3126

	Order no.
 <b>Wood drill bit storage case</b> 5-piece, in plastic carry case Ø 3 / 4 / 5 / 6 / 8 mm	6.27111*

Hole saws

Multipurpose hole saw »Pionier«, carbide tipped, with M 16 female thread



- Carbide teeth supported on both sides and enlarged brased surfaces guarantee a secure fit and a high-strength connection of material.
- Improved vibration and vibration characteristics by means of the special curved geometry of the enlarged chip room and the clean-out slot.
- Ideal for electricians, tile layers, sanitation installers, heater contractors, cabinet makers, kitchen studios, artisans
- For solid wood, plywood, chipboard, plastics, acrylic glass, tiles (up to scratch hardness 6), plaster concrete blocks, aerated concrete, wood-wool boards, fibre cement, solid brick
- Maximum cutting depth 60 mm
- Only use for rotating, turn off impact

Diameter mm	Order no.
25	6.27001*
30	6.27002*
35	6.27003*
40	6.27004*
50	6.27005*
60	6.27006*
63	6.27007*
65	6.27008*
68	6.27009*
74	6.27010*
80	6.27012*
105	6.27013*

\* Self-service packaging

Anchor-head holders for multipurpose hole saws »Pionier«

- The comfortable quick fastener enables a fast change of the centre drill, without setscrew.
- No tool loss in the event of accidentally switched-on impact mechanism: the shortened holding slots prevent impact operation on the hammer drills with SDS-plus holder, thereby not damaging the tool.
- Easy removal of the drilling core by unlocking the centre drill and pulling out the drilling core from the bore saw.
- The spanner flats enable easy release of the adapter.

	Shaft type	Overall length mm	Order no.
	SW11	118	6.27037*
	SDS-plus	118	6.27038*
	SDS-plus	220	6.27039*

Pilot drills, carbide-tipped

	Order no.
 <b>Pilot drill</b> <ul style="list-style-type: none"> <li>■ For work with light core cutters and the universal hole saws »Pionier« (M16 female thread) in combination with one of the anchor-head holders</li> <li>■ Suitable for all anchor-head holders. Especially for Quick system 6.27037, 6.27038, 6.27039</li> </ul> Diameter: 8 mm Overall length: 120 mm	6.27040*

Bi-metal hole saws



- Hole saws made of bi-metal with hardened teeth made from a high alloyed quick steel with 8% cobalt giving extremely increased durability
- Quicker and softer chip removal through new kind of teeth with irregular tooth shape and division; thus less vibration
- For use in cast steel and grey cast iron, stainless steel, constructional steel, aluminium, bronze, copper, PVC, acrylic glass, wood.
- Maximum cutting depth approximately 40 mm
- Thread for hole saws-Ø 14-30 mm: 1/2"-20 UNF; thread for hole saws-Ø 32-152mm: 5/8"-18 UNF

Diameter mm	Order no.
14	6.25160*
16	6.25161*
17	6.25162*
19	6.25163*
20	6.25164*
21	6.25165*
22	6.25166*
24	6.25167*
25	6.25168*
27	6.25169*
29	6.25170*
30	6.25171*
32	6.25172*
33	6.25173*
35	6.25174*
37	6.25175*
38	6.25176*
40	6.25177*
41	6.25178*
43	6.25179*
44	6.25180*
46	6.25181*
48	6.25182*
51	6.25184*

Diameter mm	Order no.
52	6.25185*
54	6.25186*
56	6.25187*
57	6.25188*
59	6.25189*
60	6.25190*
64	6.25191*
65	6.25192*
67	6.25193*
68	6.25194*
70	6.25195*
73	6.25196*
76	6.25197*
79	6.25198*
83	6.25199*
86	6.25200*
89	6.25201*
92	6.25202*
95	6.25203*
98	6.25204*
102	6.25205*
105	6.25206*
108	6.25207*
111	6.25208*
114	6.25209*
121	6.25210*
127	6.25211*
140	6.25213*
152	6.25214*

Anchor-head holders for bi-metal hole saws				
	Designation	Hole saw Ø	Shaft type	Order no.
	Adapter SW 9/ 1/2"-20UNF	14 - 30 mm	SW9	6.25215*
	Adapter SW 9/ 5/8"-18 UNF	32 - 152 mm	SW9	6.25216*
	Adapter SDS-plus/ 1/2"-20 UNF	14 - 30 mm	SDS-plus	6.25217*
	Adapter SDS-plus/ 5/8"-18 UNF	32 - 152 mm	SDS-plus	6.25218*

Pilot drill		Order no.
	<b>Pilot drill</b> For work with the HSS bi-metal hole saws in combination with one of the anchor-head holders: 6.25215 to 6.25218 Diameter: 6.35 mm	6.25220*

Bi-metal hole saws, assortments		Order no.
	<b>Bi-metal hole saw set 1 (8 pieces)</b> Comprising bi-metal hole saws Ø 22, 29, 35, 44, 51 and 64 mm, Adapter for Ø14-30 mm (SW 9/ 1/2"-20 UNF), Adapter for Ø 32-152 mm (SW 9/5/8"-18 UNF) in plastic carry case	6.25434*

Bi-metal hole saw set 2 (11 pieces)		Order no.
	Comprising bi-metal hole saws Ø 19, 22, 29, 35, 44, 51, 57, 64 and 68 mm, Adapter for Ø14-30 mm (SW 9/ 1/2"-20 UNF), Adapter for Ø 32-152 mm (SW 9/5/8"-18 UNF) in plastic carry case	6.25435*

Hole saw set for wood		Order no.
	<b>Hole saw</b> With 8 interchangeable inserts Ø 25-68 mm, with pilot drill Ø 6 mm, shaft Ø 10 mm	6.23531*

### Angle attachments

Angle drilling and screw-driving attachment		Order no.
	<b>Angle drilling and screw-driving attachment</b> <ul style="list-style-type: none"> <li>Makes easy work of drilling and screw-driving in confined spaces</li> <li>Spindle with hexagon recess for screwdriver bits; bit retaining bush</li> <li>Suitable for clockwise and anti-clockwise rotation</li> <li>Metabo quick-action coupling</li> <li>Gear ratio 1:1</li> <li>With drill chuck safety bolt and hexagon nut (6.27601)</li> </ul> Locating bore: 43 mm Spindle thread: 1/2" - 20 UNF Hexagon socket 1/4" (6.35 mm) Weight: 0.5 kg	6.31078*

Pump attachments		Order no.
	<b>Pump attachment BPV 01</b> <ul style="list-style-type: none"> <li>Self-priming</li> <li>Suitable for driving units with speed up to 1800 to 2600 /min</li> <li>Fitted with its pin in the chuck of the driving unit</li> <li>Water temperature: max. 50° C</li> </ul> Maximum delivery rate: 1,500 l/h Maximum suction height: 2 m Maximum delivery height: 4 m Connection piece for hose: 1/2" Weight: 0.1 kg	6.27621*
	<b>Pump attachment</b> <ul style="list-style-type: none"> <li>Self-priming</li> <li>Suitable for driving units with speed up to 3400 rpm</li> <li>Metabo quick-action coupling</li> </ul> Maximum delivery rate: 3,000 l/h Maximum suction height: 4 m Maximum delivery height: 20 m Locating bore: 43 mm Connection piece for hose: R 3/4" Weight: 0.6 kg	6.27640*

\* Self-service packaging

**Hexagon nut**

	<p><b>Hexagon nut</b>                  With female thread 1/2"-20 UNF; To drive the angle attachment 6.31078 or the pump attachment 6.27640 on a drill with a 1/2"-20 UNF threaded spindle, but no hexagon shoulder on the spindle, requires a 19 mm AF hexagon nut (KW 19) with 1/2"-20 UNF female thread.</p>	<p>Order no.                  6.27601*</p>
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**Flexible shaft**

	<p><b>Flexible shaft</b>                  ■ Suitable for speeds of 2000 to 5000 rpm                  Length: 1.2 m                  Driving shaft Ø: 6 mm                  Clamping hole: 6 mm                  Weight: 0.8 kg</p>	<p>Order no.                  6.27608*</p>
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**Clamping stand**

	<p><b>Clamping stand</b>                  ■ For clamping drills and impact drills as well as the router motor when working with the flexible shafts                  ■ Locating bore Ø 43 mm</p>	<p>Order no.                  6.27354*</p>
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**Clamp**

	<p><b>Clamp</b>                  ■ For the secure fitting on a work table</p>	<p>Order no.                  6.27107*</p>
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**Drill stand**

**Drill stand**

	<p><b>Drill stand 890</b>                  ■ The design of the feed mechanism enables the maximum drilling depth of 65 mm to be achieved with a swivelling motion                  ■ Asymmetrical arrangement of the column in relation to the base plate enables the processing of larger workpieces                  ■ Unlimited access to the controls of drill and drill stand by angled cantilever                  ■ No risk of injury or drill breakage thanks to the safe adjustment of the device carrier to the required working height                  ■ Stable base plate with grooves for locking a machine vice                  ■ Adjustable depth guide                  Inner throat: 165 mm                  Working stroke: 65 mm                  Height of column: 500 mm                  Column Ø: 40 mm                  Locating bore: 43 mm                  Base plate: 220 x 213 mm                  Weight: 5.5 kg</p>	<p>Order no.                  6.00890</p>
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**Electromagnetic drill stand**

	<p><b>Electromagnetic drill stand M 100</b>                  ■ Magnet base with high holding power for safe operation                  ■ Also suitable, when used in conjunction with the safety chain supplied, for working on vertical, sloping, or overhead surfaces                  ■ Vertical feed driven by rack and pinion                  ■ In order to position the tip of the drill bit that is fitted in the drill exactly over the punch mark on the material to be drilled, the upper part of the magnetic drill stand can be swivelled and moved sideways                  ■ Power socket on the drill stand for connecting the drill directly                  ■ The drill fitted to the drill stand cannot be started until the drill stand itself has been switched on                  ■ Adjustable support to back up the stand against the high reacting forces that arise when drilling                  ■ Graduated collar indicating the depth to which the hole is drilled                  Locating bore: 65 mm                  Depth of feed: 260 mm                  Maximum height: 650 mm                  Magnetic force (max.): 18 kN                  Dimensions magnetic base: 110 x 220 mm                  Weight: 22 kg</p>	<p>Order no.                  6.27100</p>
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**Machine vices**

	Jaw dimensions mm	Clamping width mm	Version	Order no.
	80 x 45	86		6.12003
	100 x 58	100	with prismatic jaws	6.12001

**Accessories for sanding/grinding and polishing**

	<p><b>Rubber backing pad</b>                  Dimensions: Ø 125 mm                  Clamping shaft Ø: 8 mm                  Sales unit: 1</p>	<p>Order no.                  6.23259*</p>
	<p><b>Lambswool bonnet</b>                  ■ For high-gloss polishing                  Diameter: 130 mm                  Sales unit: 1</p>	<p>Order no.                  6.23266*</p>
	<p><b>Velcro-faced backing pad</b>                  Dimensions: Ø 115 mm                  Clamping shaft Ø: 8 mm                  Sales unit: 1</p>	<p>Order no.                  6.24839*</p>
	<p><b>Cling-fit lambswool polishing disc</b>                  ■ For high-gloss polishing                  Dimensions: Ø 115 mm                  Sales unit: 1</p>	<p>Order no.                  6.24911*</p>
	<p><b>Cling-fit polishing sponge</b>                  Dimensions: Ø 130 mm                  Sales unit: 1</p>	<p>Order no.                  6.31222*</p>

\* Self-service packaging

		Order no.
	<b>Sanding belt roll</b> Dimensions Ø 45 x 30 mm Clamping shaft Ø: 6 mm Sales unit: 1	6.23269*
	<b>Sanding belt roll</b> Abrasive bands only in conjunction with sanding drum 6.23269 Dimensions Ø 45 x 30 mm Grit: P 60 Sales unit: 6	6.24207*
	<b>Sanding belt roll</b> Abrasive bands only in conjunction with sanding drum 6.23269 Dimensions Ø 45 x 30 mm Grit: P 100 Sales unit: 6	6.24208*
	<b>Cotton polishing mop</b> Dimensions: 70 x 20 x 10 mm Dimensions: Ø 70 mm Sales unit: 1	6.23270*
	<b>Felt Disc</b> Dimensions: 100 x 15 x 10 mm Dimensions: Ø 100 mm Sales unit: 1	6.23234*
	<b>Arbor</b> Arbor for polishing discs/buffing mops: 6.23270; 6.23244; 6.23234, and cutting discs: 6.27383 6.27384 Dimensions: Ø 10 mm Clamping shaft Ø: 8 mm Sales unit: 1	6.27104*

Steel-wire brushes

	Clamping shaft Ø mm	Outer Ø mm	Version	Order no.
	<b>Steel-wire wheel brush</b>			
	6	75	Fine	6.30550*
	6	100	Coarse	6.30551*
	<b>Steel-wire cup brushes</b>			
	6	75	Coarse	6.30552*
	6	75	Fine	6.30553*
	<b>Steel-wire busby-end brush</b>			
	6	25	Crimped	6.30554*

Accessories for stirring paint etc.

	Order no.
	<b>Universal stirrer</b> Also suitable for stirring mortar Shaft type: KW10 Stirring basket Ø: 100 mm Length: 600 mm
	<b>Special stirrer</b> Special stirrer for thick liquid-like materials (e.g. plaster and mortar) Shaft type: KW12 Stirring basket Ø: 130 mm Length: 600 mm

Accessories for dust extraction

	Order no.
	<b>Dust extraction set</b> ■ For all machines with 43/50 mm collar diameter; comprising extraction unit for drilling with Ø 4-20 mm drill bits, support handle, suction hose Ø 28 mm, (5 metres long), adapter and connector for connecting the suction hose to a Metabo multi-purpose vacuum cleaner Drill bit -Ø: 4 - 20 mm
	<b>Dust extraction set</b> ■ Dust extraction adapter for extracting drilling dust at the drilled hole. Absolutely safe and dust-free drilling at walls and ceilings. By virtue of the 2-chamber system and the foam rubber gasket it stays attached to almost all (even uneven) surfaces, such as plaster, natural stone and woodchip wallpaper. No drill dust residue at walls and wallpapers. Suitable for all standard industrial and domestic vacuum cleaners. ■ Suitable for connection diameter from 32 - 42 mm. Drill Ø: 4 - 14 mm
	<b>Support handle for extraction units</b> ■ For all machines with 43 mm collar diameter For fitting the extraction units onto the collar of the machines
	<b>Suction Hose</b> ■ Connector with internal Ø 30 mm and connector with outer Ø 35 mm Connector Ø 35/30 mm Hose Length: 5 m Suction Hose Ø: 19 mm
	<b>Adapter 35/58 mm</b> ■ For connecting the suction hoses with connector Ø 35 mm to an extraction nozzle Ø 58 mm
	<b>Connector</b> ■ For connecting suction hose 6.31592 (Ø 30/35 mm connection) to a household vacuum cleaner

Other accessories for drills and impact drills

	Order no.
	<b>Side handle</b> ■ Standard version Locating bore Ø: 43 mm
	<b>Side handle, long</b> ■ Long type, especially suitable for working with tools with high torque; with locking screw to prevent slipping off the tool collar Locating bore Ø: 43 mm
	<b>Reducing bush 1/2"-3/8"</b>
	<b>Breast plate for B 32/3</b> ■ Permits higher axial pressure of the user for easier working with B 32/3 ■ Including 4 screws and user manual

\* Self-service packaging



**Technical Data**

**Cordless Magnetic Core Drill  
MAG 28 LTX 32**

Battery pack type	Li-Ion
Voltage	25.2 V
Maximum drilling diameter	
- With core drill	32 mm
- With spiral drill	13 mm
Max. drilling depth	50 mm
Max. stroke	160 mm
Dimensions of magnetic base	70 x 190 mm
No-load speeds	380/680 /min
Bit retainer	MK 2 holder, Weldon 19 mm (3/4")
Height (including motor) max.	615 mm
Weight (with battery pack)	14.5 kg

**Scope of delivery**

Order no.	6.00334 <sup>1)</sup>
Industrial holder for Weldon shank 19 mm	■
HSS core drill »rapid cut« Ø 14 mm, 18 mm, 22 mm	■
Ejector pin 77 mm	■
Geared chuck 13 mm with adapter MK2	■
Chuck key	■
MK 2 drift key	■
Safety strap	■
Allen key	■
Universal cutting paste	■
2 Li-ion battery packs (25.2 V/3.0 Ah)	■
»AIR COOLED« quick charger ASS 15 Plus	■
Transport case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Large stroke, therefore suitable for use of core drills, spiral drills and countersinks.
- Magnetic base with high holding power permits working at vertical surfaces and overhead
- Highest safety at work thanks to permanent magnet, no accidental deactivation of the magnet possible
- Magnetic base in prismatic shape, particularly suited for processing pipes from Ø 90 mm
- Durable two-speed gearbox with oil bath lubrication for ideal speeds
- Overload protection: protects the motor from overheating
- Integrated coolant container for easy to dose internal cooling of the core drill
- Spare battery pack always handy thanks to storage at drill stand

**System Components**

- 252 → Accessories
- 66 → Battery packs



**Technical Data**

**Magnetic Core Drill  
MAG 32**

Torque	50 Nm	90 Nm/50 Nm
Maximum drilling diameter		
- With core drill	32 mm	50 mm
- With spiral drill	13 mm	20 mm
Max. drilling depth	50 mm	50 mm
Thread cutting	-	M 16
Max. stroke	160 mm	160 mm
Dimensions of magnetic base	80 x 189 mm	90 x 190 mm
Rated input power	1,000 W	1,200 W
Output power	520 W	620 W
No-load speeds	700 /min	100 - 250 / 200 - 450 /min
Rated load speeds	450 /min	250/450 /min
Bit retainer	Weldon 19 mm (3/4")	MK 2 holder, Weldon 19 mm (3/4")
Height when carriage in lowest/topmost position	333 mm/476 mm	457 mm/610 mm
Weight	9.5 kg	12.7 kg
Cable Length	5 m	5 m

**Scope of delivery**

Order no.	6.00635 <sup>1)</sup>	6.00636 <sup>1)</sup>
Industrial holder for Weldon shank 19 mm		■
Ejector pins 75 and 100 mm		■
Ejector pin 75	■	
MK 2 drift key		■
Safety strap	■	■
Allen key	■	■
Shaving protection	■	■
Transport case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
  - Clockwise/anti-clockwise rotation with thread cutter
  - Durable two-speed gearbox with oil bath lubrication for ideal speeds
  - Overload protection: protects the motor from overheating
- 
- Large stroke, therefore suitable for use of core drills, spiral drills and countersinks.
  - Magnetic base with high holding power permits working at vertical surfaces and overhead
  - Robust Metabo marathon motor with internal wiring for long service life
  - Bright LED light for easy alignment if the light is poor
  - No-volt release switch: prevents unintentional startup after power cut
  - Lockable slide for comfortable tool change
  - Handle for easy carrying and lifting

**System Components**

- 252 → Accessories

**MAG 28 LTX 32**

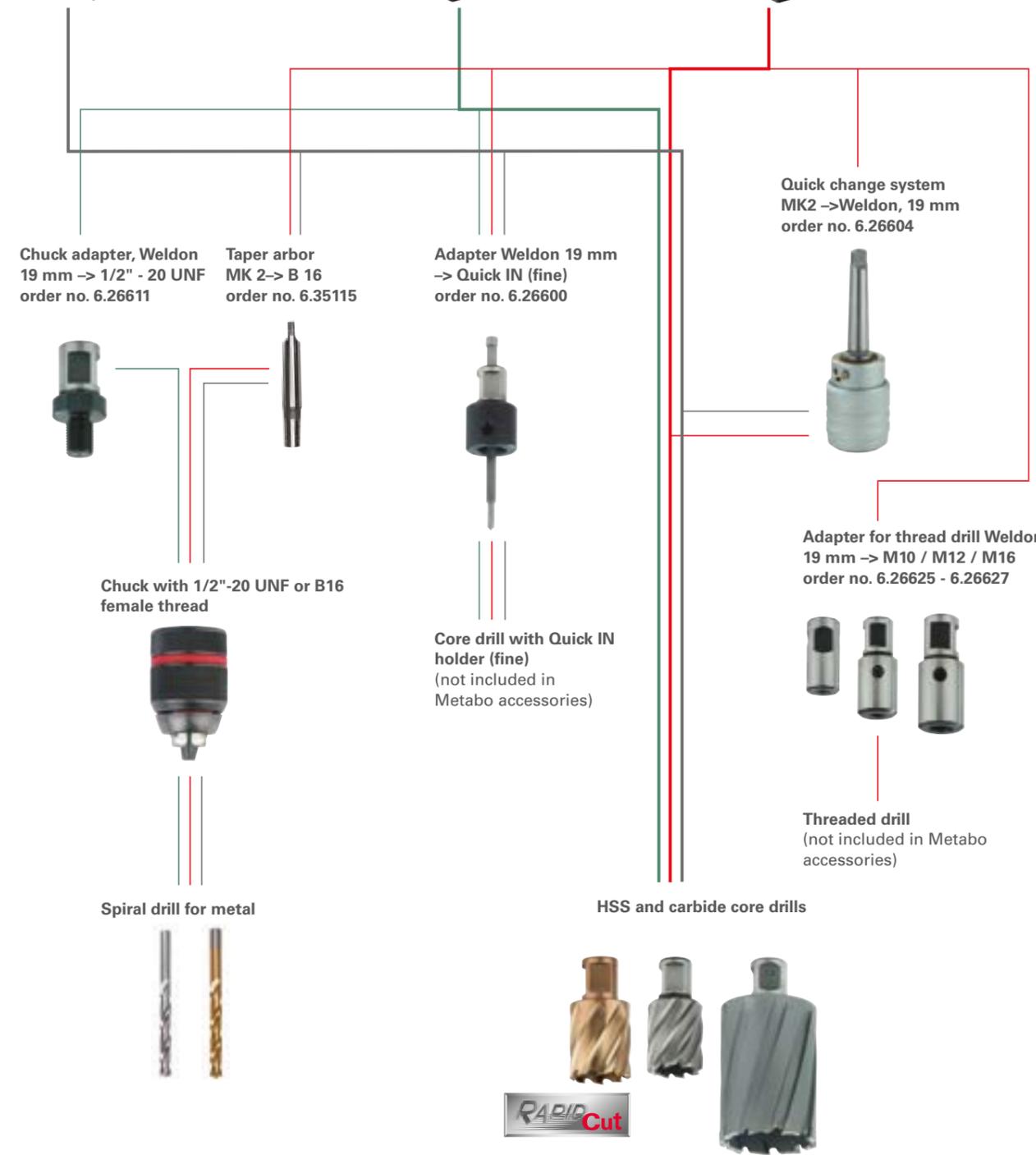
- MK2 holder
- Industrial holder with Weldon 19 mm as standard
- Best performance with Metabo »rapid cut« core bits
- Core bits Ø 32 mm
- Spiral bits max. Ø 13 mm

**MAG 32**

- Weldon 19 mm with tool holder
- Core bits max. Ø 32 mm
- Spiral bits max. Ø 13 mm

**MAG 50**

- MK2 holder
- Industrial holder with Weldon 19 mm as standard
- Core bits max. Ø 50 mm
- Spiral bits max. Ø 20 mm



**Core drills and centring pins**

**HSS-core drill »rapid cut«**



- Particularly thin-walled core drill specially designed for use on a cordless MAG
- The minimal resistance permits quick and easier machining which results in a longer battery life.
- Your advantage: Up to 50% more holes per battery charge thanks to easier removal of material
- With Weldon shaft 19 mm (3/4")
- Insert only with suitable centring pin
- Suitable for steel, cast steel, coloured and light metals
- Suitable for use in all magnetic core drills with weldon shaft 19 mm (3/4")

Diameter mm	Overall length mm	Working length mm	Order no.
14	64	30	6.26542*
18	64	30	6.26543*
22	64	30	6.26544*
26	64	30	6.26545*

Diameter mm	Overall length mm	Working length mm	Order no.
9/16"	11 13/16"	1 3/16"	6.26550*
11/16"	11 13/16"	1 3/16"	6.26551*
13/16"	11 13/16"	1 3/16"	6.26552*
15/16"	11 13/16"	1 3/16"	6.26553*
1 1/16"	11 13/16"	1 3/16"	6.26554*

**HSS core drills, short**



- With Weldon shaft 19 mm (3/4")
- Insert only with suitable centring pin
- Suitable for steel, cast steel, coloured and light metals

Diameter mm	Overall length mm	Working length mm	Order no.
12	64	30	6.26500*
13	64	30	6.26501*
14	64	30	6.26502*
15	64	30	6.26503*
16	64	30	6.26504*
17	64	30	6.26505*
18	64	30	6.26506*
19	64	30	6.26507*
20	64	30	6.26508*
21	64	30	6.26509*
22	64	30	6.26510*
23	64	30	6.26511*
24	64	30	6.26512*
25	64	30	6.26513*
26	64	30	6.26514*
27	64	30	6.26515*
28	64	30	6.26516*
29	64	30	6.26517*
30	64	30	6.26518*
31	64	30	6.26519*
32	64	30	6.26520*

\* Self-service packaging

HSS core drills, long



- With Weldon shaft 19 mm (3/4")
- Insert only with suitable centring pin
- Suitable for steel, cast steel, coloured and light metals

Diameter mm	Overall length mm	Working length mm	Order no.
12	90	55	6.26521*
13	90	55	6.26522*
14	90	55	6.26523*
15	90	55	6.26524*
16	90	55	6.26525*
17	90	55	6.26526*
18	90	55	6.26527*
19	90	55	6.26528*
20	90	55	6.26529*
21	90	55	6.26530*
22	90	55	6.26531*
23	90	55	6.26532*
24	90	55	6.26533*
25	90	55	6.26534*
26	90	55	6.26535*
27	90	55	6.26536*
28	90	55	6.26537*
29	90	55	6.26538*
30	90	55	6.26539*
31	90	55	6.26540*
32	90	55	6.26541*

Carbide core drills



- Core drill Ø 14 - 60 mm with Weldon shaft 19 mm (3/4")
- Core drill as of Ø 70 mm with Weldon shaft 32 mm (1 1/4")
- Insert only with suitable centring pin
- Also suitable for higher alloyed steels

Diameter mm	Overall length mm	Working length mm	Order no.
14	90	55	6.26571*
15	90	55	6.26572*
16	90	55	6.26573*
17	90	55	6.26574*
18	90	55	6.26575*
19	90	55	6.26576*
20	90	55	6.26577*
21	90	55	6.26578*
22	90	55	6.26579*
23	90	55	6.26580*
24	90	55	6.26581*
25	90	55	6.26582*
26	90	55	6.26583*
27	90	55	6.26584*
28	90	55	6.26585*
29	90	55	6.26586*
30	90	55	6.26587*
31	90	55	6.26588*
32	90	55	6.26589*
33	90	55	6.26590*
34	90	55	6.26591*
35	90	55	6.26592*
36	90	55	6.26593*

Diameter mm	Overall length mm	Working length mm	Order no.
37	90	55	6.26594
38	90	55	6.26595
39	90	55	6.26596
40	90	55	6.26597
45	90	55	6.26598
50	90	55	6.26599
60	90	55	6.26614
70	90	55	6.26616
80	90	55	6.26618
90	90	55	6.26620
100	90	55	6.26622

Core drill bit assortment

	Order no.
<p><b>HSS core drill »rapid cut«, 3 piece set</b>                      ■ Particularly thin-walled core drill specially designed for use on a cordless MAG                      ■ The minimal resistance permits quick and easier machining which results in a longer battery life.                      ■ Your advantage: Up to 50% more holes per battery charge thanks to easier removal of material                      Core bits Ø 14, 18, 22 mm                      30 mm working length, Weldon shaft 19 mm (3/4")                      including centring pin</p>	6.26546
<p><b>HSS-core drill 5 piece set »rapid cut« (inch)</b>                      ■ Particularly thin-walled core drill specially designed for use on a cordless MAG                      ■ The minimal resistance permits quick and easier machining which results in a longer battery life.                      ■ Your advantage: Up to 50% more holes per battery charge thanks to easier removal of material                      core drill-Ø: 9/16", 11/16", 13/16", 15/16", 1 1/16"                      1 3/16" working length, Weldon shaft 3/4"                      including centring pin</p>	6.26555
<p><b>HSS core drill, 3 piece set</b>                      Core bits Ø 14, 18, 22 mm                      30 mm working length, Weldon shaft 19 mm (3/4")                      including centring pin</p>	6.26623
<p><b>HSS core drill, 6 piece set</b>                      Core bits Ø 14, 16, 18, 20, 22, 26 mm                      30 mm working length, Weldon shaft 19 mm (3/4")                      including centring pin</p>	6.26624

Centring pins

	Order no.
<p><b>Centring pin for HSS short</b>                      For HSS core drills with a 30 mm working length                      Diameter: 6.35 mm                      Overall length: 75 mm</p>	6.26608*
<p><b>Centring pin for HSS long and carbide</b>                      For HSS core drills with a 55 mm working length                      For carbide core drills up to Ø 60 mm                      Diameter: 6.35 mm                      Overall length: 100 mm</p>	6.26609*
<p><b>Centring pin for carbide</b>                      For carbide core drills 70-100 mm Ø                      Diameter: 8 mm                      Overall length: 120 mm</p>	6.26610*

\* Self-service packaging

Industrial holder		Order no.
	<b>Industrial chuck MK2</b> With automatic interior cooling For the MAG 50 For the B 32/3 only in conjunction with the reducing sleeve MK 3 / MK 2 (6.35143) Drill spindle holder: Morse arbor MK 2 Tool holder: Weldon shaft 19 mm (3/4")	6.26602
	<b>Industrial chuck MK3</b> With manual interior cooling For the B 32/3 and carbide core drill Ø 70-100 mm Drill spindle holder: Morse arbor MK 3 Tool holder: Weldon shaft 32 mm (1 1/4")	6.26603
	<b>Quick change system</b> Simple and fast change of core drill without additional tools With automatic interior cooling For the MAG 50 For the B 32/3 only in conjunction with the reducing sleeve MK 3 / MK 2 (6.35143) Drill spindle holder: Morse arbor MK 2 Tool holder: Weldon shaft 19 mm (3/4")	6.26604
Adapter		Order no.
	<b>Adapter for Weldon to Fine Quick IN</b> Incl. centring pin (overall length: 120 mm; Ø 6.35 mm) Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: Fine QuickIN	6.26600
	<b>Chuck adapter</b> Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: 1/2" - 20 UNF	6.26611*
	<b>Adapter for thread drill M10</b> For thread drill in accordance with DIN 376 Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: shaft Ø 7 mm / square 5.5 mm	6.26625*
	<b>Adapter for thread drill M12</b> For thread drill in accordance with DIN 376 Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: shaft Ø 9 mm / square 7 mm	6.26626*
	<b>Adapter for thread drill M16</b> For thread drill in accordance with DIN 376 Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: shaft Ø 12 mm / square 9 mm	6.26627*
Chuck holder for MAG 832		Order no.
		6.30051
Other accessories		Order no.
	<b>Shaving protection</b> ■ For core drills up to Ø 50 mm ■ Is fitted to the magnetic foot and protects the users from long and sharp metal shavings	6.26607
	<b>Universal cutting paste</b> ■ Increase of durability with tools, for example, core drills, magnetic drills, BiM hole saws, routers or saw blades ■ Greater cutting speeds thanks to optimum cooling properties ■ Core drilling: use of cutting paste with overhead work, in horizontal position of MAG or when using the B 32/3 without automatic interior cooling	6.26605*
	<b>Universal cutting spray</b> ■ Increase of durability with tools, for example, core drills, magnetic drills, BiM hole saws, routers or saw blades ■ Greater cutting speeds thanks to optimum cooling properties ■ Biologically degradable ■ Core drilling: use of cutting spray with overhead work, in horizontal position of MAG or when using the B 32/3 without automatic interior cooling	6.26606

# Hammer: Power packs for demanding applications

Metabo's powerful hammers are always the right choice when it comes to processing hard materials such as stone or concrete. The pneumatic impact mechanism generates high-energy impacts with almost no extra force required from the user. The high performance hammer mechanism is precisely mounted in a housing made of aluminium alloy, which is resistant even to the hardest mechanical loads. The enormous power combined with user-optimised ergonomics make the Metabo hammers the ideal tools for demanding applications.



**VARIO TACHO CONSTAMATIC**

**MARATHON MOTOR**

**QUICK**

**Metabo »Quick« drill chuck change**  
Quick change of hammer chuck for hammer drilling and chiselling and quick-action keyless chuck or geared chuck for drilling wood, steel or driving screws.

**Vario Tacho Constamatic (VTC) full-wave electronics**  
For infinitely variable speed change. Under load the speed remains constant for stable working and consistent results. Highest drilling performance for all drilling diameters and depths.

**Robust Metabo Marathon motor**  
for extra long service life thanks to special protection from abrasive effects of dust

**S-AUTOMATIC SAFETY CLUTCH**

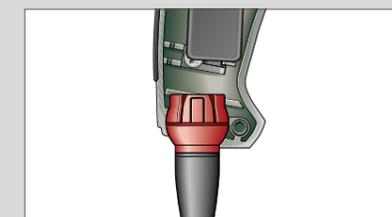
**High performance hammer action, precisely mounted in a housing made of aluminium alloy**  
long-lasting and robust

**Metabo S-automatic torque limiting clutch**  
Limitation of any sudden reverse torque to protect user and machine.

KHE 2851



**Perfect ergonomics**  
Safe, comfortable and fatigue-reduced working thanks to user-friendly design.

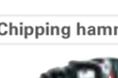


**Cable-protecting ball spout**  
for best freedom of motion when working



**Electronic soft start**  
for precise spot-drilling

# Which hammer for which application?

	Hammer drilling in concrete/stone (Ø mm)	Drilling in		Chiselling		Max. single impact energy* and impact power	
		4 5 8 10 12 14 16 18 20 22 24 26 28 30 32 35 40 45 50	Metal max. Ø mm	Wood max. Ø mm	Light		Heavy
<b>Cordless hammers</b>							
	BHA 18 LTX		10	22	-	-	1.8 J / 131 J/s
	KHA 36 LTX		13	30	●●○	○○○	3.1 J / 226 J/s
<b>Multihammers</b>							
	UHE 2250		13/6 1/2. gear	28/28 1/2. gear	●●○	○○○	2.2 J / 141 J/s
	UHE 2850		13/6 1/2. gear	28/28 1/2. gear	●●○	○○○	2.8 J / 207 J/s
<b>Rotary hammers</b>							
	BHE 2444		13	30	-	-	2.3 J / 171 J/s
<b>Combination hammers</b>							
	KHE 2444		13	30	●●○	○○○	2.3 J / 171 J/s
	KHE 2650		13	28	●●○	○○○	2.7 J / 200 J/s
	KHE 2851		13	28	●●○	○○○	2.8 J / 207 J/s
	KHE 3251 / KHE 3250		13	35	●●●	●●○	3.1 J / 222 J/s
	KHE 56		-	-	●●○	●●○	8.5 J / 402 J/s
	KHE 76		-	-	●○○	●●○	11.9 J / 542 J/s
	KHE 96		-	-	●○○	●●●	20 J / 658 J/s
<b>Chipping hammers</b>							
	MHE 56		-	-	●●○	●●○	8.5 J / 402 J/s
	MHE 96		-	-	●○○	●●●	20 J / 658 J/s

\*in accordance with EPTA 05/2009

- ideal range
- possible range
- Suitable only to a limited extent
- Application is possible
- Application optimal



Technical Data	Cordless Rotary Hammer BHA 18 LT
Battery pack type	Li-Ion
Battery pack voltage	18 V
Drill diameter in	
- Concrete with hammer drills	18 mm
- Masonry with core bits	-
- Steel	10 mm
- Soft wood	22 mm
No-load speed	0 - 1,100 /min
Max. impact rate	4,900 /min
Max. single blow energy (EPTA)	1.8 J
Impact power	131 J/s
Bit retainer	SDS-plus
Weight (with battery pack)	3.1 kg

Scope of delivery	6.00228
Order no.	6.00228
Metabo VibraTech (MVT) side handle	■
Drilling depth guide	■
carrying belt	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■
»AIR COOLED« Quick Charger ASC 30-36 V	■
Plastic Carry Case	■

Equipment variants can be found in the Metabo price list and on the internet

- Product Advantages**
- Hammer stop for drilling in rotary only mode and for screwdriving
  - Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
  - Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Battery packs with capacity display for checking the charge status



Technical Data	Cordless Combination Hammer KHA 36 LTX
Battery pack type	Li-Ion
Battery pack voltage	36 V
Drill diameter in	
- Concrete with hammer drills	32 mm
- Masonry with core bits	68 mm
- Steel	13 mm
- Soft wood	30 mm
No-load speed	0 - 1,100 /min
Max. impact rate	4,500 /min
Max. single blow energy (EPTA)	3.1 J
Impact power	226 J/s
Bit retainer	SDS-plus
Weight (with battery pack)	4.9 kg

Scope of delivery	6.00795 <sup>1)</sup>
Order no.	6.00795 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■
quick-action keyless chuck for tools with cylindrical shank end	■
Metabo VibraTech (MVT) side handle	■
Drilling depth guide	■
2 Li-Power battery packs (36V/4.0 Ah)	■
»AIR COOLED« quick charger ASC Ultra	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet <sup>1)</sup> also available in 120 V (North/Latin America)

- Product Advantages**
- Hammer stop for drilling in rotary only mode and for screwdriving
  - Ergonomic housing shape for chiselling tasks without side handle.
  - Rotation stop for chiselling
  - Metabo »Quick«: Quick change between SDS Plus hammer chuck and quick-action keyless chuck for drilling in wood and metal
  - Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
  - Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Battery packs with capacity display for checking the charge status

- System Components**
- 267, 275 → Accessories
  - 66 → Battery packs



Technical Data	Multihammer UHE 2250 Multi	Multihammer UHE 2250 Multi
Torque	13 Nm/13 Nm	13 Nm/13 Nm
Drill diameter in		
- Concrete with hammer drills	22 mm	28 mm
- Masonry with core bits	68 mm	68 mm
- Steel	13 mm/6 mm	13 mm/6 mm
- Soft wood	28 mm/28 mm	28 mm/28 mm
No-load speed	0 - 990 / 0 - 2,600 /min	0 - 945 / 0 - 2,480 /min
Rated input power	705 W	1,010 W
Output power	380 W	550 W
Speed at rated load	610/1,600 /min	860/2,250 /min
Max. impact rate	4,300 /min	4,400 /min
Max. single blow energy (EPTA)	2.2 J	2.8 J
Impact power	141 J/s	207 J/s
Collar diameter	50 mm	50 mm
Bit retainer	SDS-plus	SDS-plus
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Weight without mains cable	3.6 kg	3.7 kg
Cable length	4 m	4 m

Scope of delivery	6.00854	6.00712 <sup>1)</sup>
Order no.		
Hammer chuck for tools with SDS-plus shank end	■	■
quick-action keyless chuck for tools with cylindrical shank end	■	■
Rubber-coated handle	■	■
Drilling depth guide	■	■
Plastic Carry Case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product Advantages**
- Vario (V)-electronics for working with customised speeds for the materials used
  - Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
  - No-volt release switch: prevents unintentional startup after power cut
  - Hammer stop for drilling in rotary only mode and for screwdriving
  - Rotation stop for chiselling
  - Metabo »Quick«: Quick change between SDS Plus hammer chuck and quick-action keyless chuck for drilling in wood and metal
  - Thumbwheel for preselection of speed
  - Two-speed gear unit: two drilling speeds for effective drilling in wood and metal
  - High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
  - Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
  - Metabo Maraton motor with patented dust protection for long service life

**System Components**

267, 275 → Accessories



Technical Data	Rotary Hammer BHE 2444
Torque	15 Nm
Drill diameter in	
- Concrete with hammer drills	24 mm
- Masonry with core bits	68 mm
- Steel	13 mm
- Soft wood	30 mm
No-load speed	0 - 1,230 /min
Rated input power	800 W
Output power	370 W
Speed at rated load	880 /min
Max. impact rate	5,400 /min
Max. single blow energy (EPTA)	2.3 J
Impact power	171 J/s
Collar diameter	43 mm
Bit retainer	SDS-plus
Weight without mains cable	2.3 kg
Cable Length	4 m

Scope of delivery	6.06153
Order no.	
Hammer chuck for tools with SDS-plus shank end	■
Side handle	■
Drilling depth guide	■
Plastic Carry Case	■

- Product Advantages**
- Hammer stop for drilling in rotary only mode and for screwdriving
  - Clockwise and anti-clockwise rotation
  - Vario (V)-electronics for working with customised speeds for the materials used
  - Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working

**System Components**

267, 275 → Accessories



Technical Data	Combination Hammer KHE 2444
Torque	15 Nm
Drill diameter in	
- Concrete with hammer drills	24 mm
- Masonry with core bits	68 mm
- Steel	13 mm
- Soft wood	30 mm
No-load speed	0 - 1,230 /min
Rated input power	800 W
Output power	370 W
Speed at rated load	880 /min
Max. impact rate	5,400 /min
Max. single blow energy (EPTA)	2.3 J
Impact power	171 J/s
Collar diameter	43 mm
Bit retainer	SDS-plus
Weight without mains cable	2.4 kg
Cable length	4 m

Scope of delivery	6.06154 <sup>1) 2)</sup>
Order no.	
Hammer chuck for tools with SDS-plus shank end	■
Side handle	■
Drilling depth guide	■
Plastic Carry Case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

- Product Advantages**
- Hammer stop for drilling in rotary only mode
  - Rotation stop for chiselling
  - clockwise and anti-clockwise rotation
  - Vario (V)-electronics for working with customised speeds for the materials used
  - Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
  - Stoppable switch for trouble-free chiselling in continuous operation



Technical Data	Combination Hammer KHE 2650	Combination Hammer KHE 2851
Torque	13 Nm	13 Nm
Drill diameter in		
- Concrete with hammer drills	26 mm	28 mm
- Masonry with core bits	68 mm	68 mm
- Steel	13 mm	13 mm
- Soft wood	28 mm	28 mm
No-load speed	0 - 1,100 /min	0 - 945 /min
Rated input power	800 W	1,010 W
Output power	480 W	550 W
Speed at rated load	680 /min	860 /min
Max. impact rate	4,400 /min	4,400 /min
Max. single blow energy (EPTA)	2.7 J	2.8 J
Impact power	200 J/s	207 J/s
Collar diameter	50 mm	50 mm
Bit retainer	SDS-plus	SDS-plus
Weight without mains cable	3.6 kg	3.7 kg
Cable Length	4 m	4 m

Scope of delivery

Order no.	6.00658 <sup>2)</sup>	6.00657
Hammer chuck for tools with SDS-plus shank end	■	■
Quick-action keyless chuck for tools with cylindrical shank end	■	■
Rubber-coated handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Vario (V)-electronics for working with customised speeds for the materials used
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Electronic soft start for precise spot-drilling
- Hammer stop for drilling in rotary only mode
- Rotation stop for chiselling
- clockwise and anti-clockwise rotation
- Metabo »Quick«: Quick change between SDS Plus hammer chuck and quick-action keyless chuck for drilling in wood and metal
- Metabo Maraton motor with patented dust protection for long service life
- High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Stoppable switch for trouble-free chiselling in continuous operation

System Components

267, 275 ▶ Accessories



Technical Data	Combination Hammer KHE 3250	Combination Hammer KHE 3251
Torque	20 Nm	20 Nm
Drill diameter in		
- Concrete with hammer drills	32 mm	32 mm
- Masonry with core bits	82 mm	82 mm
- Steel	13 mm	13 mm
- Soft wood	35 mm	35 mm
No-load speed	0 - 1,150 /min	0 - 1,150 /min
Rated input power	800 W	800 W
Output power	440 W	440 W
Speed at rated load	920 /min	920 /min
Max. impact rate	4,470 /min	4,470 /min
Max. single blow energy (EPTA)	3.1 J	3.1 J
Impact power	222 J/s	222 J/s
Collar diameter	50 mm	50 mm
Bit retainer	SDS-plus	SDS-plus
Weight without mains cable	3.4 kg	3.6 kg
Cable length	4 m	4 m

Scope of delivery

Order no.	6.00637 <sup>1)</sup>	6.00659 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■	■
quick-action keyless chuck for tools with cylindrical shank end		■
Metabo VibraTech (MVT) side handle	■	■
Drilling depth guide	■	■
Plastic Carry Case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product Advantages

- Metabo »Quick«: Quick change between SDS Plus hammer chuck and quick-action keyless chuck for drilling in wood and metal
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Ergonomic housing shape for chiselling tasks without side handle.
- Hammer stop for drilling in rotary only mode
- Rotation stop for chiselling
- Clockwise and anti-clockwise rotation
- Vario (V)-electronics for working with customised speeds for the materials used
- Metabo Maraton motor with patented dust protection for long service life
- High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working

System Components

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Technical Data	Combination Hammer KHE 56	Combination Hammer KHE 76
Torque	90 Nm	100 Nm
Drill diameter in		
- Concrete with hammer drills	45 mm	50 mm
- Concrete with core bits	65 mm	80 mm
- Concrete with core bits	100 mm	150 mm
No-load speed	0 - 300 /min	0 - 300 /min
Rated input power	1,300 W	1,500 W
Output power	650 W	750 W
Max. impact rate	2,840 /min	2,735 /min
Max. single blow energy (EPTA)	8.5 J	11.9 J
Impact power	402 J/s	542 J/s
Collar diameter	66 mm	66 mm
Bit retainer	SDS-max	SDS-max
Weight without mains cable	6.7 kg	8.4 kg
Cable Length	6 m	6 m

Scope of delivery

Order no.	6.00340 <sup>1) 2)</sup>	6.00341 <sup>1) 2)</sup>
Metabo VibraTech (MVT) side handle	■	■
Drilling depth guide	■	■
Lubricant for tool shank end	■	■
Duster	■	■
Plastic Carry Case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Metabo VibraTech (MVT) vibration absorber: The spring-mounted anti-vibration mass reduces vibrations by more than 30%.
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Optional 30% impact reduction setting for working with more pliant materials
- Rotation stop for chiselling
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Electronic soft start for precise spot-drilling
- Optimum heat dissipation and low weight by magnesium die cast gear housing
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Stoppable switch for trouble-free chiselling in continuous operation
- The service display, for example, indicates when the carbon brush needs to be replaced, plus a LED indicating mains voltage

System Components

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Technical Data	Combination Hammer KHE 96
Torque	120 Nm
Drill diameter in	
- Concrete with hammer drills	50 mm
- Concrete with core bits	80 mm
- Concrete with core bits	150 mm
No-load speed	125 - 250 /min
Rated input power	1,700 W
Output power	850 W
Max. impact rate	1,950 /min
Max. single blow energy (EPTA)	20 J
Impact power	658 J/s
Collar diameter	73 mm
Bit retainer	SDS-max
Weight without mains cable	11.8 kg
Cable Length	6 m

Scope of delivery

Order no.	6.00596 <sup>1) 2)</sup>
Metabo VibraTech (MVT) side handle	■
Drilling depth guide	■
Lubricant for tool shank end	■
Duster	■
Plastic Carry Case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product Advantages

- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Rotation stop for chiselling
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Thumbwheel for preselection of speed
- Electronic soft start for precise spot-drilling
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the drill jams for safe working
- Stoppable switch for trouble-free chiselling in continuous operation
- Wear indication for the carbon brushes shows when the carbon brushes are due for replacement
- Robust die cast aluminium gear housing for optimum heat dissipation and durability

System Components

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Technical Data	Chipping Hammer MHE 56	Chipping Hammer MHE 96
Rated input power	1,300 W	1,600 W
Output power	650 W	800 W
Max. impact rate	2,840 /min	1,950 /min
Max. single blow energy (EPTA)	8.5 J	20 J
Impact power	402 J/s	658 J/s
Bit retainer	SDS-max	SDS-max
Weight without mains cable	6.3 kg	11 kg
Cable Length	6 m	6 m

Scope of delivery	6.00366 <sup>1) 2)</sup>	6.00396 <sup>1) 2)</sup>
Order no.		
Front handle	■	■
Lubricant for tool shank end	■	■
Duster	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

- Product Advantages**
- Optional 30 % impact reduction setting for working with more pliant materials, such as brick
  - Optimum heat dissipation and low weight by magnesium die cast gear housing
  - The service display, for example, indicates when the carbon brush needs to be replaced, plus an LED indicating mains voltage
  - Metabo VibraTech (MVT): integrated damping system to reduce vibrations in order to protect the user's health
  - Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
  - Electronic soft start for smooth startup
  - Stoppable switch for trouble-free chiselling in continuous operation
  - Long design for an upright working position when performing tasks at ground level.
  - Thumbwheel for preselection of impact rate
  - Robust die cast aluminium gear housing for optimum heat dissipation and durability
  - Wear indication for the carbon brushes shows when the carbon brushes are due for replacement

**System Components**

275 ▶ Accessories

## SDS-plus hammer drill bit

### SDS-plus »Pro 4«

The special cutting geometry on the chisel-shaped bit head made of high quality carbide ensures quick penetration even into the toughest concrete and in granite.

- Slim, dynamic drill tips with chisel headed drill head** for rapid progress into metal and easy centring
- The 4-spiral helix »Pro 4«** enables quick removal of bore dust and reduces friction in the drill hole whilst improving the vibration behaviour
- Continuous core reinforcement** for stability, durability and optimum energy transfer.
- State-of-the-art thermal treatment and surface sealing** by shot-blasting ensure the prevention of wear on surfaces and make the drill bit resistant against bending



### SDS-plus »Pro 4 Premium«

The combination of an intelligent, innovative geometry with uncompromising quality right down to the last detail can be seen by the high level of durability, precise drilled holes and the extraordinarily quiet operation even under the toughest of conditions. A premium tool for all professional users working with reinforced concrete and hard natural stones.

- Innovative, unique, full carbide cutting geometry (Ø 5-16 mm) and carbide cutting geometry and large, robust subsidiary blades (Ø 18-32 mm) in optimum 4x90° symmetry** prevent catching when you come across reinforcements and ensure round holes
- Ø 5-16 mm: single-piece carbide element centring pin** for simple, accurate drilling
- Ø 18-32 mm: three-piece carbide element centring pin and wear marking** on both sides of the main plate for simple, precise piloting and the evaluation of measured dowel holes
- 4-spiral helix geometry with optimum spiral core strength:** four evenly operating spiral ribs for pleasant operation and even low spiral wear.
- Optimum spiral core strength for high durability and low vibration drilling behaviour.**
- Special procedure for surface compaction compacting the structure of the steel and makes the drill more resistant**



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Hammer drill bits

Carbide hammer drill bits with SDS-plus shank end

Diameter mm	Working length mm	Overall length mm	Sales unit	Order no.
 <p><b>Carbide-tipped hammer drill bit, SDS-plus »Classic«, 2 cutting edges</b></p> <ul style="list-style-type: none"> <li>■ SDS-plus drill bit with high-quality carbide drill tip</li> <li>■ Dynamic, chisel-shaped bit head</li> <li>■ Large-volume S-spiral geometry ensures quick drill dust removal</li> <li>■ Good drilling performance with good tool life</li> <li>■ For use in concrete, masonry, natural stone</li> </ul>				
5	50	110	1	6.26172*
5	100	160	1	6.26173*
6	50	110	1	6.26174*
6	100	160	1	6.26175*
6	150	210	1	6.26176*
6	200	260	1	6.26177*
6	250	310	1	6.26178*
7	50	110	1	6.26179*
7	100	160	1	6.26180*
8	50	110	1	6.26181*
8	100	160	1	6.26182*
8	150	210	1	6.26183*
8	200	260	1	6.26184*
10	50	110	1	6.26185*
10	100	160	1	6.26186*
10	150	210	1	6.26187*
10	200	260	1	6.26188*
10	250	310	1	6.26189*
10	400	450	1	6.26190*
12	100	160	1	6.26191*
12	150	210	1	6.26192*
12	200	260	1	6.26193*
12	250	310	1	6.26194*
12	400	450	1	6.26195*
14	100	160	1	6.26196*
14	150	210	1	6.26197*
14	250	310	1	6.26198*
14	400	450	1	6.26199*

Diameter mm	Working length mm	Overall length mm	Sales unit	Order no.
 <p><b>Carbide-tipped hammer drill bit, SDS-plus »Pro 4«, 2 cutting edges</b></p> <ul style="list-style-type: none"> <li>■ High quality carbide: long service life, quicker, no problem when cutting into steel reinforcements.</li> <li>■ The special cutting geometry on the chisel-shaped bit head ensures quick penetration into the toughest concrete and into granite. Easy centring.</li> <li>■ The 2-spiral helix with its large geometry with reinforced core (KVS) ensures quick delivery of bore dust, reduces friction in drilled hole, improves the vibration behaviour.</li> <li>■ For use in concrete, masonry, natural stone, granite</li> </ul>				
4	50	110	1	6.31780*
5	50	110	1	6.31820*
5	100	160	1	6.31821*
5	150	210	1	6.31864*
5.5	50	110	1	6.31822*
5.5	100	160	1	6.31823*
6	50	110	1	6.31824*
6	100	160	1	6.31825*
6	150	210	1	6.31826*
6	200	260	1	6.31866*
6.5	50	110	1	6.31827*
6.5	100	160	1	6.31828*
6.5	150	210	1	6.31879*
6.5	200	260	1	6.31876*
6.5	250	310	1	6.31868*
6.5	350	400	1	6.31785*
7	50	110	1	6.31829*

\* Self-service packaging

Diameter mm	Working length mm	Overall length mm	Sales unit	Order no.
7	100	160	1	6.31830*
7	150	210	1	6.31831*
8	50	110	1	6.31832*
8	100	160	1	6.31833*
8	150	210	1	6.31834*
8	200	260	1	6.31835*
8	250	310	1	6.25229*
8	400	460	1	6.31788*
8	540	600	1	6.31789*
9	150	210	1	6.31836*
10	50	110	1	6.31837*
10	100	160	1	6.31838*
10	150	210	1	6.31839*
10	200	260	1	6.31840*
10	250	310	1	6.31841*
10	390	450	1	6.30519*
10	540	600	1	6.31793*
10	940	1,000	1	6.31794*
11	110	160	1	6.31842*
11	210	260	1	6.31843*
12	110	160	1	6.31844*
12	160	210	1	6.31845*
12	210	260	1	6.31846*
12	310	360	1	6.25254*
12	400	450	1	6.30526*
12	550	600	1	6.30527*
12	950	1,000	1	6.31797*
13	110	160	1	6.31847*
13	210	260	1	6.31848*
14	110	160	1	6.31849*
14	160	210	1	6.31850*
14	210	260	1	6.31851*
14	260	310	1	6.31852*
14	400	450	1	6.31801*
14	550	600	1	6.30528*
14	950	1,000	1	6.31802*
15	210	260	1	6.31853*
15	410	450	1	6.31803*
16	110	160	1	6.31854*
16	160	210	1	6.31855*
16	210	260	1	6.25255*
16	260	310	1	6.31856*
16	400	450	1	6.30531*
16	550	600	1	6.30532*
16	750	800	1	6.31804*
16	950	1,000	1	6.31805*
4	50	110	10	6.25230
5	50	110	10	6.25231
5	100	160	10	6.25232
6	50	110	10	6.25233
6	100	160	10	6.25234
6	150	210	10	6.25235
8	50	110	10	6.25236
8	100	160	10	6.25237
8	150	210	10	6.25238
10	50	110	10	6.25239
10	100	160	10	6.25240
10	150	210	10	6.25241
10	200	260	10	6.25242
12	110	160	10	6.25243
12	160	210	10	6.25244
12	210	260	10	6.25245
14	110	160	10	6.25246
14	160	210	10	6.25247

Diameter mm	Working length mm	Overall length mm	Sales unit	Order no.
14	210	260	10	6.25248
 <p><b>Carbide-tipped hammer drill bit with SDS-plus shank bit, 2 cutting edges</b></p> <ul style="list-style-type: none"> <li>■ The slim, chisel-shaped bit head enables fast penetration into the material to be drilled</li> <li>■ The continuous core reinforcement ensures stability and durability. It enables maximum energy transmission from hammer drill to drill tip.</li> <li>■ Friction and vibration are reduced and user and machine are relieved by the narrow back spacers</li> <li>■ State-of-the-art thermal treatment and surface sealing by shot-blasting ensure the prevention of wear on surfaces and make the drill bit resistant against bending</li> <li>■ For use in concrete, masonry, natural stone</li> </ul>				
18	150	200	1	6.30533*
18	250	300	1	6.31806*
18	400	450	1	6.30589*
18	550	600	1	6.31807*
18	950	1,000	1	6.31808*
20	150	200	1	6.30536*
20	250	300	1	6.30590*
20	400	450	1	6.30537*
20	550	600	1	6.31809*
20	950	1,000	1	6.31810*
22	200	250	1	6.30538*
22	400	450	1	6.30539*
22	550	600	1	6.31811*
22	950	1,000	1	6.31812*
24	200	250	1	6.30540*
24	400	450	1	6.30541*
25	200	250	1	6.31814*
25	400	450	1	6.30549*
25	550	600	1	6.31815*
25	950	1,000	1	6.31816*
26	200	250	1	6.30542*
26	400	450	1	6.30548*

**Carbide-tipped hammer drill bit (ice drill) with SDS-plus shank end, 2 cutting edges**

- For use in ice and snow
- Suitable for easy installation of slalom posts.
- Special helix for ice and snow.

32	400	450	1	6.30579*
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**Carbide-tipped hammer drill bit, SDS-plus »Pro 4 Premium«, 4 cutting edges**

- The connection of the new, innovative, intelligent geometry with its uncompromised quality of detail ensures a long service life, precise drill holes and an unusually quiet run - even on the toughest loads.
- Ø 5-16 mm: Thanks to the optimum symmetrical head geometry with 4 full carbide cutters, the drill runs with extremely low vibrations and does not catch when encountering reinforcing. The one-piece full carbide plate is optimally embedded in the steel body using a maximum joining surface. This way, head and spiral form a unit - especially when it needs to compensate impacts and torsional strength. Furthermore, the special head geometry creates spherical drill holes and thereby remains dowel-suitable at maximum tool life.
- Ø 18-32 mm: Three-piece carbide element: The innovative, unique carbide cutting geometry and the large, robust subsidiary blades arranged in an optimum 4 x 90° symmetry prevent catching on reinforcements and ensure perfectly round drilled holes. The centring tip and the wear simple, accurating piloting and the evaluation of measured dowel holes.
- The genuine 4-spiral helical geometry distributes the loads optimally on all spirals, thereby attaining low-vibration drilling characteristics. The four large-volume conveyor coils quickly remove the drill dust from the drill hole.
- The high-quality special steel makes the drill extremely robust and the resistance is further increased by the special surface treatment. It drills up to 50% more dowel-suitable drill holes than other drill hammer bits.
- For professional use in the hardest natural stones, concrete, brickwork.

5	50	110	1	6.26200*
5	100	160	1	6.26201*
5.5	50	110	1	6.26202*
5.5	100	160	1	6.26203*
6	50	110	1	6.26204*
6	100	160	1	6.26205*

Diameter mm	Working length mm	Overall length mm	Sales unit	Order no.
6	150	210	1	6.26206*
6	200	260	1	6.26207*
6	250	310	1	6.26208*
6.5	100	160	1	6.26209*
6.5	150	210	1	6.26210*
6.5	200	260	1	6.26211*
6.5	250	310	1	6.26212*
7	50	110	1	6.26213*
7	100	160	1	6.26214*
8	50	110	1	6.26215*
8	100	160	1	6.26216*
8	150	210	1	6.26217*
8	200	260	1	6.26218*
8	250	310	1	6.26237*
10	50	110	1	6.26219*
10	100	160	1	6.26220*
10	150	210	1	6.26221*
10	200	260	1	6.26222*
10	250	310	1	6.26223*
10	390	450	1	6.26224*
12	110	160	1	6.26225*
12	160	210	1	6.26226*
12	210	260	1	6.26227*
12	260	310	1	6.26228*
12	400	450	1	6.26229*
14	110	160	1	6.26230*
14	160	210	1	6.26231*
14	260	310	1	6.26232*
14	400	450	1	6.26233*
16	110	160	1	6.26234*
16	160	210	1	6.26235*
16	210	260	1	6.26238*
16	260	310	1	6.26236*
16	400	450	1	6.26239*
18	200	250	1	6.31703*
18	400	450	1	6.31704*
20	200	250	1	6.31705*
20	400	450	1	6.31706*
22	400	450	1	6.31707*
24	200	250	1	6.31708*
24	400	450	1	6.31709*
25	400	450	1	6.31710*
28	400	450	1	6.31711*
30	400	450	1	6.31712*
32	400	450	1	6.31713*

\* Self-service packaging

Hammer drill bit assortments

Carbide-tipped hammer drill, SDS Plus, »Classic«

	Order no.
 <p><b>SDS-plus »Classic« drill bit set 5-piece</b> in plastic carry case Ø 5, 6, 6, 8, 10 mm, L = 160 mm</p>	6.26243*
 <p><b>SDS-plus »Classic« drill bit set 7-piece</b> in metal case Ø 5, 6, 6, 8, 10 mm, L = 160 mm / Ø 6, 8, 10, 12 mm, L = 160</p>	6.26244*

Carbide-tipped hammer drill bit, SDS-plus »Pro 4«

	Order no.
 <p><b>SDS-plus Pro 4 drill bit set 4-piece</b> in plastic carry case Ø 5, 6, 8, 10 mm, L = 110/160 mm</p>	6.30580*
 <p><b>SDS-plus Pro 4 drill bit set 5-piece</b> in plastic carry case Ø 5, 6, 6, 8, 10 mm, L = 160 mm</p>	6.30581*
 <p><b>SDS-plus Pro 4 drill bit set 7-piece</b> in metal case Ø 5, 6, 6, 8, 8, 10, 12 mm, L = 110/160 mm</p>	6.30584*
 <p><b>SDS-plus drill bit / chisel set , 5-piece</b> Consisting of 1 hammer drill bits of Ø 6, 8, 10 mm (1 each), 1 pointed chisel (6.31421) and 1 flat chisel (6.31420)</p>	6.30477*
 <p><b>SDS-plus Pro 4 drill bit set 8-piece</b> in roll-up case 2 each x: Ø 6 x 160; Ø 8 x 160; 1 each: Ø 8 x 210; Ø 10 x 160; Ø 10 x 210; Ø 12 x 210 mm</p>	6.31715

Carbide-tipped hammer drill bit, SDS-plus »Pro 4 Premium«, 4 cutting edges

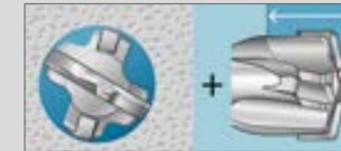
	Order no.
 <p><b>SDS-plus Pro 4 Premium drill bit set 7-piece</b> in robust plastic carry case Ø 5 x 110 mm; 6 x 110 mm; 8 x 110 mm; 6 x 160 mm; 8 x 160 mm; 10 x 160 mm; 12 x 160 mm</p>	6.26245*

# SDS-max »Pro 4«: As fast as no other drill in concrete and armoured concrete



**SDS-max »Pro 4«:**

- **Optimum centring**  
Drill-active centring tip for optimum guidance when drilling in concrete and armoured concrete



- **Unrivalled destructive force**  
Extremely robust and aggressive solid carbide S-blade

- **Highest drilling speed**  
Inclined auxiliary cutting edges for aggressive drill progress



- **Constant high lifetime**  
Short head with large-volume dust channels for smooth transport of the drill dust, minimum generation of heat

- **Precise drilling hole diameters**  
Innovative wear indication, indicator for dimensional conformance

- **Vibration Control**  
Optimised vibration values - ideal for the hardest applications on the construction site

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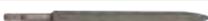
**Carbide hammer drill bits with SDS-max shank end**

Diameter mm	Working length mm	Overall length mm	Sales unit	Order no.
 <p><b>Carbide-tipped hammer drill bit, SDS-max »Pro 4«, 2 cutting edges</b></p> <ul style="list-style-type: none"> <li>■ The slim, chisel-shaped bit head enables fast penetration into the material to be drilled.</li> <li>■ Short spiral inlets and large boring dust grooves in the optimised double delivery helix ensure quick boring dust discharge.</li> <li>■ The continuous core reinforcement ensures stability and durability. It enables maximum energy transmission from hammer drill to drill tip.</li> <li>■ For use in concrete, masonry, natural stone</li> </ul>				
12	200	340	1	6.23310*
12	400	540	1	6.23311*
12	600	740	1	6.23312*
14	200	340	1	6.23313*
14	400	540	1	6.23314*
15	200	340	1	6.23315*
15	400	540	1	6.23316*
 <p><b>Carbide-tipped hammer drill bit, SDS-max »Pro 4«, 4 cutting edges</b></p> <ul style="list-style-type: none"> <li>■ Unrivalled destructive force: Extremely robust and aggressive solid carbide S-blade</li> <li>■ Constant high lifetime: Short head with large-volume dust channels for smooth transport of the drill dust, minimum generation of heat</li> <li>■ Highest drilling speed: Inclined auxiliary cutting edges for aggressive drill progress</li> <li>■ Optimum centring: Drill-active centring tip for optimum guidance when drilling in concrete and armoured concrete</li> <li>■ Precise drilling hole diameters: innovative wear indication (indicator for dimensional conformance)</li> <li>■ Vibration Control: optimised vibration values - ideal for the hardest applications on the construction site</li> <li>■ For use in concrete, masonry, natural stone</li> </ul>				
16	200	340	1	6.23317*
16	400	540	1	6.23318*
18	200	340	1	6.23319*
18	400	540	1	6.23320*
20	200	320	1	6.23321*
20	400	520	1	6.23322*
20	800	920	1	6.23323*
22	200	320	1	6.23324*
22	400	520	1	6.23325*
22	800	920	1	6.23326*
24	200	320	1	6.23327*
24	400	520	1	6.23328*
25	200	320	1	6.23329*
25	400	520	1	6.23330*
25	800	920	1	6.23331*
28	400	520	1	6.23333*
28	600	720	1	6.23334*
30	400	520	1	6.23339*
32	200	320	1	6.23340*
32	400	520	1	6.23341*
32	800	920	1	6.23342*
35	400	520	1	6.23344*
35	600	720	1	6.23345*
38	400	520	1	6.23347*
40	400	520	1	6.23349*
40	600	720	1	6.23350*
45	400	520	1	6.23337*
52	400	520	1	6.23338*

**Chisels**

**Chisel with SDS-plus shank end**

- Special hardened steel and special surface treatment ensure a long tool life and productive operation
- For use in concrete, masonry, natural stone

Chisel shape	Overall length mm	Cutting width	Sales unit	Order no.
 Pointed chisel, round tip	250		1	6.30992*
 Pointed chisel, square tip	250		1	6.31421*
 Pointed chisel, square tip	250		10	6.31387
 Flat chisel	250	20	1	6.31420*
 Flat chisel	250	20	10	6.31388
 Chasing gouge	250	22	1	6.31422*
 Mortar chisel, carbide-tipped	200		1	6.31424*
 Scaling chisel	250	40	1	6.31425*
 Tile chisel, offset	165	75	1	6.31449*
 Tile chisel, offset	250	40	1	6.31456*

**Assortment of chisels with SDS-plus shank end**

	Order no.
 <p><b>SDS-plus chisel set (5-piece)</b> Comprising 1 pointed chisel (6.31421), 1 flat chisel (6.31420) and 1 scaling chisel (6.31425)</p>	6.30478
 <p><b>SDS-plus chisel set (5-piece)</b> Comprising 2 pointed chisels (6.31421), 2 flat chisels (6.31420) and 1 scaling chisel (6.31425)</p>	6.30484

**Chisel with SDS-max shank end**

- Special hardened steel and special surface handling ensure long tool life and productive operation.
- For use in concrete, masonry, natural stone

Chisel shape	Overall length mm	Cutting width	Sales unit	Order no.
 Pointed chisel, round tip	280		1	6.23351*
 Pointed chisel, round tip	400		1	6.23352*
 Pointed chisel, round tip	400		10	6.23463
 Pointed chisel, round tip	600		1	6.23358*
 Flat chisel	280	25	1	6.23353*
 Flat chisel	400	25	1	6.23354*
 Flat chisel	400	25	10	6.23464
 Flat chisel	600	25	1	6.23359*
 Scaling chisel, sealing chisel	400	50	1	6.23355*
 Scaling chisel, sealing chisel	300	80	1	6.23356*
 Scaling chisel, sealing chisel	350	115	1	6.23366*
 Chasing gouge	300	26	1	6.23357*

\* Self-service packaging

Chisel shape	Overall length mm	Cutting width	Sales unit	Order no.
 Channel chisel	300	32	1	6.23365*
 Tile chisel, offset	400	50	1	6.23367*
 Toothed chisel	300	32	1	6.23368*
 Mortar chisel	300	10	1	6.23369
 Spade chisel	400	110	1	6.23383
 Asphalt cutter	400	90	1	6.23384
 Gouge chisel	380	35	1	6.23385
 Stake driver	260	16.5	1	6.23386*
 Stake driver	260	13	1	6.23387*

Assortment of chisels with SDS-plus shank end		Order no.
	<b>SDS-max chisel set , 5-piece</b> Comprising 2 pointed chisels (6.23352), 2 flat chisels (6.23354) and 1 scaling chisel (6.23355)	6.30488
	<b>SDS-max chisel set , 5-piece</b> Comprising 3 pointed chisels (6.23352), 2 flat chisels (6.23354)	6.30489

## Router bits

### Carbide-tipped router bit (single piece) with SDS-max shank bit



- Extremely long tool life even when using powerful rotary hammers
- Optimum power transmission to bit head without damping loss of impact force
- 3 large spirals for fast drilling progress, low vibration drilling and quick dust discharge
- Ideal for drilling into reinforced iron and hard materials.

Diameter mm	Overall length mm	Order no.
45	550	6.23375*
45	990	6.23376*
55	550	6.23377*
55	990	6.23378*
65	550	6.23379*
65	990	6.23380*
80	550	6.23381*
80	990	6.23382*

## Core bits

### Carbide core cutters with ratio thread



- Sturdy universal tool for hard work in concrete and other building materials

Diameter mm	Working length mm	Order no.
50	100	6.23034*
68	100	6.23035*
80	100	6.23036*
100	100	6.23032*
125	100	6.23031*

### Carbide pilot drills with ratio thread

	Order no.
 <b>Pilot drill 12 x 155 mm</b> ■ For working with the carbide core cutters with ratio thread Diameter: 12 mm	6.23038
 <b>Connector</b> ■ Connector with ratio female thread and SDS-max shank end, length 195 mm, for the anchor-head holder 6.23299 of router bits and for mounting drilling bits with the help of the pilot drill 6.23038	6.23370*

### Anchor-head holder for carbide router bits with ratio thread

Overall length mm	Order no.
 280	6.23299*

### Carbide core cutters with M 16 female thread



- Optimised with larger carbide teeth for longer tool life. Higher power efficiency due to stable, thin-walled bit body.
- For concrete, brickwork, natural stone and limestone

Diameter mm	Working length mm	Order no.
30	55	6.23391*
35	55	6.23392*
40	55	6.23393*
50	55	6.23394*
68	55	6.23395*
82	55	6.23396*
100	55	6.23398*
112	55	6.23399*

\* Self-service packaging

**Anchor-head holders with M16 male thread**

- Set with Allen key for locking the pilot drill 6.27040.
- For impact operation with light drill hammer bits.
- Also suitable for use with "Pioneer" universal hole saws.

Shaft type	Overall length mm	Order no.
SDS-plus	105	6.27043*
SDS-plus	220	6.27042*
SW11	90	6.27041*

**Pilot drills, carbide-tipped**

	Order no.
 <p><b>Pilot drill</b></p> <ul style="list-style-type: none"> <li>■ For work with light core cutters and the universal hole saws »Pionier« (M16 female thread) in combination with one of the anchor-head holders</li> <li>■ Suitable for all anchor-head holders. Especially for Quick system 6.27037, 6.37038, 6.37039</li> </ul> <p>Diameter: 8 mm Overall length: 120 mm</p>	6.27040*

**Diamond socket countersink**

**For general construction materials, »professional« quality class**



- Ideal for all hard materials, general construction/building site materials such as concrete, exposed aggregate concrete, sand-lime brick, bricks, masonry.
- Segment height: 5.0 mm
- For drilling without impact
- M16 female thread

Diameter mm	Segment height mm	Sales unit	Order no.
68	5	1	6.28201
82	5	1	6.28202

**For abrasive materials, »professional« quality class**



- Best suited for use on soft, abrasive materials such as fresh concrete, sand-lime brick, sandstone.
- Segment height: 5.0 mm
- For drilling without impact
- M16 female thread

Diameter mm	Segment height mm	Sales unit	Order no.
68	5	1	6.28203
82	5	1	6.28204

**Integral chucks for rotary hammers**

**Hammer chucks with adapter**

	Order no.
 <p><b>SDS-plus hammer chuck</b></p> <ul style="list-style-type: none"> <li>■ For accessories with SDS-plus shank end (UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28)</li> </ul>	6.31920*
 <p><b>SDS-plus hammer chuck</b></p> <ul style="list-style-type: none"> <li>■ For tools with SDS-plus shank end (for KHE 32)</li> </ul>	6.31922*
 <p><b>SDS-plus hammer chuck</b></p> <ul style="list-style-type: none"> <li>■ For tools with SDS-plus shank end (UHE 2250/2650/ KHE 2650/2850/2851)</li> </ul>	6.31928*
 <p><b>SDS-plus hammer chuck</b></p> <ul style="list-style-type: none"> <li>■ For tools with SDS-plus shank end (UHE 28 Plus, KHE 28 Plus)</li> </ul>	6.31931*
 <p><b>SDS-plus hammer chuck</b></p> <ul style="list-style-type: none"> <li>■ For tools with SDS-plus shank end (KHE 3251/ KHA 36 LTX)</li> </ul>	6.31943*

**Chucks with adapter**

	Order no.
 <p><b>Geared chuck with adapter</b></p> <ul style="list-style-type: none"> <li>■ For accessories with cylindrical shank end (for UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28)</li> </ul> <p>Drill chuck clamping range 1 - 13 mm</p>	6.31924*
 <p><b>Quick-action keyless chuck with adapter</b></p> <ul style="list-style-type: none"> <li>■ For accessories with cylindrical shank end (UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28)</li> </ul> <p>Drill chuck clamping range: 1.5 - 13 mm</p>	6.31921*
 <p><b>Quick-action keyless chuck with adapter</b></p> <ul style="list-style-type: none"> <li>■ For tools with cylindrical shaft</li> <li>■ Suitable for UHE 28 Plus/KHE 28 Plus</li> </ul> <p>Drill chuck clamping range: 1.5 - 13 mm</p>	6.31930*
 <p><b>Quick-action keyless chuck with adapter</b></p> <ul style="list-style-type: none"> <li>■ For accessories with cylindrical shank end (for KHE 32)</li> </ul> <p>Drill chuck clamping range 1 - 13 mm</p>	6.31923*
 <p><b>Quick-action keyless chuck with adapter</b></p> <ul style="list-style-type: none"> <li>■ For tools with cylindrical shaft</li> <li>■ Suitable for: UHE 2250/2650/ KHE 2650/2850/2851</li> </ul> <p>Drill chuck clamping range: 1.5 - 13 mm</p>	6.31927*
 <p><b>Quick-action keyless chuck with adapter</b></p> <ul style="list-style-type: none"> <li>■ For tools with cylindrical shaft</li> <li>■ Suitable for KHE 3251/ KHA 36 LTX</li> </ul> <p>Drill chuck clamping range: 1.5 - 13 mm</p>	6.31968*

\* Self-service packaging

Connectors

	Order no.
 <p><b>Connector</b> Holder: SDS-plus, 1/2"- 20 UNF</p>	6.30928*
 <p><b>Connector</b> ■ With 1/2"-20 UNF thread for chuck and hexagon recess 1/4" (6.35 mm) for screwdriver bits with bit retaining bush Holder: SDS-plus, 1/2"- 20 UNF</p>	6.31285*
 <p><b>Connector</b> ■ Connector from SDS-max to SDS-plus to enable use of SDS-plus drill bits/chisels Holder: SDS-max, SDS-plus</p>	6.23371*
 <p><b>Connector</b> ■ Connector from SDS-max to spline shank for using spline shank drill bits/chisels Holder: SDS-max, spline shank</p>	6.23372*
 <p><b>Connector</b> ■ Connector from spline shank to SDS-max to enable the use of SDS-max drill bits/chisels Holder: spline shank, SDS-max</p>	6.23373
<p><b>Connector</b> ■ Connector from spline shank to SDS-plus, to enable the use of SDS-plus drill bits/chisels Holder: spline shank, SDS-plus</p>	6.30276*
 <p><b>Connector</b> ■ Connector with ratio female thread and SDS-max shank end, length 195 mm, for the anchor-head holder 6.23299 of router bits and for mounting drilling bits with the help of the pilot drill 6.23038 Holder: SDS-max, ratio female thread</p>	6.23370*

Other accessories

Special grease	
	Order no.
 <p><b>Special grease</b> ■ For shank ends of hammer drill bits, chisels, adapters etc.; prevents friction and wear coefficient; bio-degradable ■ High durability, high resistance to heat, high anti-corrosion properties</p>	6.31800

Other accessories for SDS-plus	
	Order no.
 <p><b>Bit retaining bush</b> For fitting bits and sockets with 1/4" (6.35 mm) hexagon in the spindle of drills and impact drills with spindle thread 1/2"-20 UNF and hexagon recess 1/4" (6.35 mm). Also suitable for connectors 6.30928 and 6.31285.</p>	6.31281*

Accessories for dust extraction

	Order no.
 <p><b>Dust extraction set</b> ■ For all machines with 43/50 mm collar diameter; comprising extraction unit for drilling with Ø 4-20 mm drill bits, support handle, suction hose Ø 28 mm, (5 metres long), adapter and connector for connecting the suction hose to a Metabo multi-purpose vacuum cleaner Drill bit -Ø: 4 - 20 mm</p>	6.30828
 <p><b>Dust extraction set</b> ■ Dust extraction adapter for extracting drilling dust at the drilled hole. Absolutely safe and dust-free drilling at walls and ceilings. By virtue of the 2-chamber system and the foam rubber gasket it stays attached to almost all (even uneven) surfaces, such as plaster, natural stone and woodchip wallpaper. No drill dust residue at walls and wallpapers. Suitable for all standard industrial and domestic vacuum cleaners. Suitable for connection diameter from 32-42 mm. Drill Ø: 4 - 14 mm</p>	6.30829*
 <p><b>Dust extraction unit</b> ■ For all machines with collet diameter 43 mm. For work with drill bits of Ø 16-40 mm; with drilling depth guide; to fasten the extraction unit on the collar of the machines, one requires the support handle 6.31594 Locating bore Ø: 43 mm</p>	6.31591
 <p><b>Support handle for extraction units</b> ■ For all machines with 43 mm collar diameter For fitting the extraction units onto the collar of the machines</p>	6.31594
 <p><b>Suction Hose</b> ■ Connector with internal Ø 30 mm and connector with outer Ø 35 mm Connector Ø 35/30 mm Hose Length: 5 m Suction Hose Ø: 19 mm</p>	6.31592
 <p><b>Adapter 35/58 mm</b> ■ For connecting the suction hoses with connector Ø 35 mm to an extraction nozzle Ø 58 mm</p>	6.30316*
 <p><b>Connector</b> ■ For connecting suction hose 6.31592 (Ø 30/35 mm connection) to a household vacuum cleaner</p>	6.31593*

Side handles

	Order no.
 <p><b>Metabo VibraTech (MVT) side handle</b> ■ Suitable for UHE 28 Plus, KHE 28 Plus</p>	6.31595

\* Self-service packaging



Technical Data	Screwdriver SE 4000	Screwdriver SE 2800
Max. tightening torque	6 Nm	8 Nm
No-load speed	0 - 4,000 /min	0 - 2,850 /min
Rated input power	400 W	400 W
Output power	220 W	220 W
Speed at rated load	2,400 /min	1,800 /min
Bit retainer	Hexagonal shank 1/4" (6.35 mm)	Hexagonal shank 1/4" (6.35 mm)
Weight without mains cable	1.2 kg	1.2 kg
Cable length	4 m	4 m

#### Scope of delivery

Order no.	6.20004	6.20003
Scaffolding hook with bit case	■	■

#### Product Advantages

- High speed
- High torque
- Compact, lightweight device in pot design for permanent use
- Two-piece depth guide, can be fully removed for inspection during operation
- Robust depth guide sleeve with front aluminum part
- Finely adjustable penetration depth for different materials
- Clockwise and anti-clockwise rotation
- Quick tool change system
- Low-noise claw clutch
- Vario (V)-electronics for working with customised speeds for the materials used
- Removable scaffolding hook with built-in bit case

#### System Components

285 ▶ Accessories



Technical Data	Screwdriver SE 4000 + Screwdriver Magazine SM 5-55
Max. tightening torque	6 Nm
No-load speed	0 - 4,000 /min
Rated input power	400 W
Output power	220 W
Speed at rated load	2,400 /min
Bit retainer	Hexagonal shank 1/4" (6.35 mm)
Weight without mains cable	1.7 kg
Cable length	4 m

#### Scope of delivery

Order no.	6.20005
Depth guide sleeve for magazine-less working	■
Phillips screwdriver bit size 2/157	■
Scaffolding hook with bit case	■
Plastic Carry Case	■

#### Product Advantages

- Robust magazine screwdriver for applying screws accurately in quick succession
- Standard 50-screw strips can be used
- For affixing screws 25 - 55 mm in length, max. screw head Ø of 9.5 mm and max. shaft Ø 5 mm
- Screw magazine removable for single-screw application
- High speed
- Compact, lightweight device in pot design for permanent use
- Finely adjustable penetration depth for different materials
- Clockwise and anti-clockwise rotation
- Quick tool change system
- Low-noise claw clutch
- Vario (V)-electronics for working with customised speeds for the materials used
- Removable scaffolding hook with built-in bit case

#### System Components

285, 292 ▶ Accessories



#### Technical Data

#### Screwdriver USE 8

#### Screwdriver DWSE 6.3

Max. tightening torque	40 Nm	18 Nm
No-load speed	0 - 900 /min	0 - 2,100 /min
Rated input power	550 W	550 W
Output power	290 W	290 W
Speed at rated load	580 /min	1,350 /min
Bit retainer	Hexagonal shank 1/4" (6.35 mm)	Hexagonal shank 1/4" (6.35 mm)
Weight without mains cable	2.3 kg	2.1 kg
Cable length	4 m	4 m

#### Scope of delivery

Order no.	6.20002	6.20001
Bit holder with snap ring	■	■
Depth guide sleeve (77 mm long, Ø 18 mm)	■	■
Long additional handle	■	

#### Product Advantages

- "Rigid passage" for pulling in frame pegs
- Optimum speed for processing self-drilled screws
- 10-way adjustable torque
- Metabo Maraton motor with patented dust protection for long service life
- Two-piece depth guide, can be fully removed for inspection during operation
- Robust depth guide sleeve with front aluminum part
- Finely adjustable penetration depth for different materials
- Clockwise and anti-clockwise rotation
- Quick tool change system
- Low-noise claw clutch made from shot-peened fine quality cast for long service life
- Vario (V)-electronics for working with customised speeds for the materials used
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Auto-stop carbon brushes to protect the motor

## Screwdriver bits

### The characteristics of Metabo screwdriver bits

#### Screw profiles

The Metabo screwdriver bit range offers bits for all important screw head types



#### Qualities

##### »Classic«

This bit is the all-rounder per se. The excellent quality is ideal for most applications at home or in the trade.

##### »Torsion«

The torsion bits have the ability to cushion the torque points so that the bit or, more accurately, the tip of the bit does not break. This increases service life of the bit considerably. These bits are of a very high quality standard. Recommended for trade use.

##### »Diamond«

Small diamond particles on the tip of the bit ensure that the bit sits securely in the screw head. As a result, the wear of the screw head is minimised and prevents the processed surface from being damaged by the bit slipping-out of the screw head. Furthermore, a diamond bit ensures that optimum torque is being transmitted. Our diamond bits are also torsion bits.

##### Stainless steel:

Our stainless steel bits are the perfect bits for stainless steel screws and surfaces. Using stainless steel tools <sup>1)</sup> ensures that the stainless remains free of rust.

<sup>1)</sup> Keep stainless steel tools strictly separated from the normal tools and only use for stainless steel!



Screwdriver bits with 1/4" (6.35 mm) hexagonal shank

Phillips

Bit size	Overall length mm	Torsion bits	Sales unit	Order no.
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Phillips »Classic«

Size 1	25		2	6.24418*
Size 2	25		2	6.24419*
Size 2	25		25	6.24421*
Size 2	25		100	6.24378
Size 3	25		2	6.24420*
Size 1	50		2	6.31528*
Size 2	50		2	6.31529*
Size 3	50		2	6.31530*



Phillips »Torsion«

Size 1	25	■	2	6.31520*
Size 1	25	■	25	6.31547
Size 2	25	■	2	6.31521*
Size 2	25	■	25	6.31548
Size 3	25	■	2	6.31522*
Size 3	25	■	25	6.31549
Size 1	89	■	1	6.24456*
Size 2	89	■	1	6.24457*
Size 3	89	■	1	6.24458*



Phillips »Diamond«

Torsion bits coated with diamond particles

Size 1	25	■	2	6.31730*
Size 2	25	■	2	6.31731*
Size 2	25	■	25	6.24443*

Pozidriv

Bit size	Overall length mm	Torsion bits	Sales unit	Order no.
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Pozidriv »Classic«

Size 1	25		2	6.24414*
Size 2	25		2	6.24415*
Size 2	25		25	6.24417*
Size 2	25		100	6.24379
Size 3	25		2	6.24416*
Size 1	50		2	6.31531*
Size 2	50		2	6.31532*
Size 3	50		2	6.31533*



Pozidriv »Torsion«

Size 1	25	■	2	6.31524*
Size 1	25	■	25	6.31557
Size 2	25	■	2	6.31525*
Size 2	25	■	25	6.31558
Size 3	25	■	2	6.31526*
Size 3	25	■	25	6.31559
Size 1	89	■	1	6.25407*
Size 2	89	■	1	6.25408*

Bit size	Overall length mm	Torsion bits	Sales unit	Order no.
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Pozidriv »Diamant«

Torsion bits coated with diamond particles

Size 3	89	■	1	6.25409*
Size 1	25	■	2	6.31733*
Size 2	25	■	2	6.31734*
Size 2	25	■	25	6.24442*
Size 3	25	■	2	6.31735*

Torx

Bit size	Overall length mm	Torsion bits	Sales unit	Order no.
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Torx »Classic«

Torx size TX 8	25		2	6.31550*
Torx size TX 10	25		2	6.31551*
Torx size TX 15	25		2	6.31552*
Torx size TX 15	25		25	6.24422*
Torx size TX 20	25		2	6.31553*
Torx size TX 20	25		25	6.25508*
Torx size TX 25	25		2	6.31554*
Torx size TX 25	25		25	6.24423*
Torx size TX 30	25		2	6.31555*
Torx size TX 40	25		2	6.31556*
Torx size TX 50 for Power X3	35		2	6.25419*



Torx »Torsion«

Torx size TX 8	25	■	2	6.24429*
Torx size TX 10	25	■	2	6.24430*
Torx size TX 15	25	■	2	6.24431*
Torx size TX 15	25	■	25	6.24436*
Torx size TX 20	25	■	2	6.24432*
Torx size TX 20	25	■	25	6.24437*
Torx size TX 25	25	■	2	6.24433*
Torx size TX 25	25	■	25	6.24438*
Torx size TX 30	25	■	2	6.24434*
Torx size TX 40	25	■	2	6.24435*
Torx size TX 8	89	■	1	6.25507*
Torx size TX 10	89	■	1	6.24444*
Torx size TX 15	89	■	1	6.24445*
Torx size TX 20	89	■	1	6.24446*
Torx size TX 25	89	■	1	6.24447*
Torx size TX 30	89	■	1	6.24448*
Torx size TX 40	89	■	1	6.24449*



Torx »Diamond«

Torsion bits coated with diamond particles

Torx size TX 15	25	■	2	6.24439*
Torx size TX 20	25	■	2	6.24440*
Torx size TX 25	25	■	2	6.24441*

\* Self-service packaging

Bits for screws with hexagon recess				
Bit size	Overall length mm	Torsion bits	Sales unit	Order no.
<b>Bits for screws with hexagon recess »Torsion«</b>				
Key width 2 mm	25	■	2	6.25506*
Key width 2.5 mm	25	■	2	6.24424*
Key width 3 mm	25	■	2	6.24425*
Key width 4 mm	25	■	2	6.24426*
Key width 5 mm	25	■	2	6.24427*
Key width 6 mm	25	■	2	6.24428*
Key width 2 mm	89	■	1	6.24450*
Key width 2.5 mm	89	■	1	6.24451*
Key width 3 mm	89	■	1	6.24452*
Key width 4 mm	89	■	1	6.24453*
Key width 5 mm	89	■	1	6.24454*
Key width 6 mm	89	■	1	6.24455*

Bits for slotted-head screws				
Bit size	Overall length mm	Torsion bits	Sales unit	Order no.
<b>Bits for slotted-head screws »Torsion«</b>				
Slot 0.5 x 4.0 mm	89	■	1	6.24381*
Slot 0.6 x 4.0 mm	89	■	1	6.24382*
Slot 0.8 x 5.5 mm	89	■	1	6.24383*
Slot 1.0 x 5.5 mm	89	■	1	6.24384*
Slot 1.2 x 6.5 mm	89	■	1	6.24385*
Slot 1.6 x 8.0 mm	89	■	1	6.24386*
Slot 0.8 x 5.5 mm	25	■	2	6.31536*
Slot 1.0 x 5.5 mm	25	■	2	6.31537*
Slot 1.2 x 6.5 mm	25	■	2	6.31538*

Screwdriver bit assortments/sets

Screwdriver bit assortments		Order no.
	<b>Bit box with stainless steel bits (10 pieces)</b> Consisting of: Phillips PH 2, Pozidriv PZ 1, PZ 2, PZ 2, Torx TX 10, TX 15, TX 20, TX 25, TX 30 1 "rapid in/easy out" bit holder. Bits and holder are made of stainless steel.	6.25388*
	<b>Bit box with stainless steel bits (10 pieces)</b> Consisting of: Phillips 2 x PH 1, 2 x PH 2, 1 x PH 3, Allen 2.5 ; 3.0 ; 4.0 ; 5.0 1 "rapid in/easy out" bit holder. Bits and holder are made of stainless steel.	6.25389*
	<b>Bit box torsion (10 pieces)</b> Consisting of: Phillips bits, sizes 1, 2, 3 (1 each size) Pozidriv bits, sizes 1, 2, 3 (1 each size) each with one bit for slotted-head screws 0.8 x 5.5 mm, 1.0 x 5.5 mm and 1.2 x 6.5 mm 1 "rapid in/easy out" bit holder	6.25390*

		Order no.
	<b>Bit box Torx + Pozidriv (10 pieces)</b> Consisting of: Pozidriv bits, sizes 1, 2, 3 (torsion bits, 1 each size) Torx bits sizes TX 10, 15, 20, 25, 30 and 40 (1 each) 1 "rapid in/easy out" bit holder	6.25391*
	<b>Bit box diamond Pozidriv (7 pieces)</b> Consisting of: Pozidriv bits, 2 x size 1, 3 x size 2, 1 x size 3 (diamond) 1 "rapid in/easy out" bit holder	6.25393*
	<b>Bit box torsion Universal (10 pieces)</b> Consisting of: 1 bit for slotted-head screws 0.8 x 5.5 mm, 1 bit Phillips size 2, 1 bit Pozidriv size 2, each 1 bit Torx size 10, 15, 20, each 1 bit for screws with hexagon socket size 3, 4, 5. 1 "rapid in/easy out" bit holder	6.25396*
	<b>Bit box torsion Torx (7 pieces)</b> Consisting of: 1 bit each for Torx 10, 15, 20, 25, 30 and 40 1 "rapid in/easy out" bit holder	6.25394*
	<b>Bit box diamond Universal (7 pieces)</b> Consisting of: 1 bit each for slotted-head screws 1.0 x 5.5 mm, 1.2 x 6.5 mm, 1 bit each Phillips size 1, 2, 1 bit each Pozidriv size 1, 2. 1 "rapid in/easy out" bit holder	6.25397*
	<b>Classic bit assortment (7-piece)</b> Consisting of: Phillips ( L=25 mm): PH1, PH 2, PH3 Pozidriv ( L=25 mm): PZ 1, PZ 2, PZ3 1x bit holder (magnetic)	6.25395*

Screwdriver bit sets

		Order no.
	<b>Slotted bit set (3 pieces)</b> Consisting of one slotted bit in size 0.8, size 1.0, size 1.2	6.24406*
	<b>Torsion Phillips bit set (3 pieces)</b> Consisting of Phillips bits, sizes 1, 2 and 3 (1 each size)	6.31560*
	<b>Pozidriv bit set (3 pieces)</b> Consisting of Pozidriv bits, sizes 1, 2 and 3 (1 each size)	6.31561*
	<b>Bit set Torx (3 pieces)</b> Consisting of one Torx bit in size 15, size 20, size 25	6.24405*

Screwdriver Bit Assortments, impact-proof

		Order no.
	<b>NEW</b> <b>Bit-Box Impact 29</b> Consisting of: Pozidriv bits, sizes 2, 3 (torsion bits, 1 each size), 29 mm long Torx bits, sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size), 29 mm long 1 Bit Holder Ideal for powerful drill/screwdrivers and impact screwdrivers	6.28849*
	<b>NEW</b> <b>Bit-Box Impact 49</b> Consisting of: Pozidriv bits PZ, sizes 2, 3 (torsion bits, 1 each size), 49 mm long Pozidriv bits TX sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size); 49 mm long Ideal for powerful drill/screwdrivers and impact screwdrivers	6.28850*

	<b>Bit-Box Impact display</b> Display consists of: 6 boxes 628849; 29 mm bit with contents, 1 each PZ 2,3 T 15,20,25,30,40; bit holder 6 boxes 628850; 49 mm bit with contents, 1 each PZ 2,3 T 15,20,25,30,40 Ideal for powerful drill/screwdrivers and impact screwdrivers	Order no. 6.28851*
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Depth guide sleeves

Length mm	Inner Ø mm	Suitable for machine	Order no.
 77	34	USE 8, DWSE 6.3	6.25354

Bit holders

	<b>"rapid in/easy out" bit holder</b> With 1/4" (6.35 mm) hexagonal shank The bit can easily be inserted and removed. Loose sleeve. Also for bits according to DIN 3126-C 6.3 and also suitable for E 6.3. Overall length: 50 mm	Order no. 6.25386*
	<b>Bit holder with magnetic ring</b> With 1/4" (6.35 mm) hexagonal shank The bit can easily be inserted and removed. Loose sleeve. Also for bits according to DIN 3126-C 6.3 and also suitable for E 6.3. For quickly and securely attaching the screw to the holder. Ideal for fastening very long screws and for overhead fastening. The zinc phosphate coating makes it particularly resistant to corrosion. Overall length: 60 mm	6.25387*
	<b>Bit holders</b> With 1/4" (6.35 mm) hexagonal shank magnetic, with quick-action coupling Overall length: 52 mm	6.25357*
	<b>Bit holders</b> With 1/4" (6.35 mm) hexagonal shank magnetic, with quick-action coupling Overall length: 76.5 mm	6.30648*
	<b>Bit holders</b> With 1/4" (6.35 mm) hexagonal shank magnetic, with snap ring Overall length: 50 mm	6.30630*
	<b>Bit holders</b> With 1/4" (6.35 mm) hexagonal shank non-magnetic, with snap ring Overall length: 75 mm	6.30560

Connectors

	<b>Connector</b> Connector, 1/4" hexagon shaft / 1/4" external square Overall length: 25 mm	Order no. 6.31282*
	<b>Connector</b> Connector, 1/4" hexagon shaft / 1/4" external square Overall length: 50 mm	6.30142
	<b>Connector</b> Connector 1/4" external square / 1/2" external square Overall length: 72 mm	6.28838*
	<b>Adapter</b> Adapter for working with screwdriver bits, 1/2" external square / 1/4" impact-proof	6.28836*

Hexagon sockets with 1/4" (6.35 mm)

65 mm long, magnetic and impact-proof



For screwdrivers and impact screwdrivers 1/4"  
Impact-proof: made from chrome Vanadium steel; surface: matt satin; length: 65 mm

Holder	Overall length mm	Key width	Order no.
1/4" (6.35 mm) hexagonal shank	65	1/4" (6.35 mm)	6.28839*
1/4" (6.35 mm) hexagonal shank	65	3/8" (9.53 mm)	6.28840*
1/4" (6.35 mm) hexagonal shank	65	6 mm	6.28841*
1/4" (6.35 mm) hexagonal shank	65	7 mm	6.28842*
1/4" (6.35 mm) hexagonal shank	65	8 mm	6.28843*
1/4" (6.35 mm) hexagonal shank	65	9 mm	6.28844*
1/4" (6.35 mm) hexagonal shank	65	10 mm	6.28845*
1/4" (6.35 mm) hexagonal shank	65	12 mm	6.28846*
1/4" (6.35 mm) hexagonal shank	65	13 mm	6.28847*

Screw-type angle attachment

	<b>Screw-type angle attachment</b> <ul style="list-style-type: none"> <li>For inserting screws more easily into places difficult to reach</li> <li>Suitable for cordless screwdrivers up to a maximum of 14 Nm and a maximum of 400 rpm</li> <li>Width across corners only 30 mm</li> <li>Magnetic bit holder</li> <li>With 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>Suitable for clockwise and anti-clockwise rotation</li> <li>Screw-type angle attachment with 105° inclination</li> </ul>	Order no. 6.30442*
	<b>Screw-type angle attachment with bit assortment</b> <ul style="list-style-type: none"> <li>Suitable for cordless screwdrivers up to a maximum of 14 Nm and a maximum of 400 rpm</li> <li>Width across corners only 30 mm</li> <li>Magnetic bit holder</li> <li>With 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>Suitable for clockwise and anti-clockwise rotation</li> <li>Support handle adjustable to 12 positions</li> <li>Screw-type angle attachment with 105° inclination</li> <li>For inserting screws more easily into places difficult to reach</li> </ul> <p>Consisting of screw-type angle attachment 6.30442 with removable handle and 40-piece bit assortment Bit assortment comprising: Phillips size 0, 1, 2 and 3 Pozidriv size 0, 1, 2, and 3 For slotted-head screws 0.6, 0.8 and 1.0 mm For screws with internal square drive size 1, 2, and 3 With hexagon recess size 1.5, 2.0, 2.5, 3.0, 4.0, 5.0 and 6.0 mm With hexagon insert bit 5, 5.5, 6, 1/4" (6.35 mm), 7, 8, 9, 3/8" (9.53 mm) and 10 mm Torx size TX 7, 8, 9, 10, 15, 20, 25, 27 and 30 Connector 25 mm 2 extensions 40 mm, magnetic, 115 mm, magnetic in plastic box</p>	6.30440
	<b>Screw-type angle attachment</b> <ul style="list-style-type: none"> <li>Screw-type angle attachment for professional use.</li> <li>Suitable for cordless screwdrivers up to a maximum of 57 Nm and a maximum of 2000 rpm</li> <li>Width across corners only 50 mm</li> <li>Bit holder with quick-action coupling</li> <li>With 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>Suitable for clockwise and anti-clockwise rotation</li> <li>Support handle adjustable to 12 positions with lockable push-button</li> <li>Screw-type angle attachment with 105° inclination</li> <li>For inserting screws more easily into places difficult to reach</li> </ul>	6.30463*

\* Self-service packaging



**Screw-type angle attachment with bit assortment**

- Screw-type angle attachment for professional use.
- Suitable for cordless screwdrivers up to a maximum of 57 Nm and a maximum of 2000 rpm
- Width across corners only 50 mm
- Bit holder with quick-action coupling
- With 1/4" (6.35 mm) hexagonal shank
- Gears made of special steel
- Suitable for clockwise and anti-clockwise rotation
- Support handle adjustable to 12 positions with lockable push-button
- Screw-type angle attachment with 105° inclination
- For inserting screws more easily into places difficult to reach

Consisting of screw-type angle attachment 6.30463 and 32 piece bit assortment in a practical, sturdy plastic carry case with large viewing panel and additional accessory case  
Bit assortment comprising:

- 1x stainless steel bit holder extension, 150 mm
- 1x Phillips size 0, 2x Phillips size 1, 4x Phillips size 2, 1x Phillips size 3
- 1x Pozidriv size 0, 2x Pozidriv size 1, 4x Pozidriv size 2, 1x Pozidriv size 3
- Slotted-screws 3.0 - 5.0 - 6.0
- 1x Torx TX 10, 1x Torx TX 15, 3x Torx TX 20, 3x Torx TX 25, 1x Torx TX 30, 1x Torx TX 40
- 1x connector for socket spanner

Order no.

6.30464

**Screwdriver magazine with accessories**

**Screwdriver magazine for SE 4000 / SE 2800**



**Screwdriver magazine SM 5-55**

- Robust screwdriver magazine for screwdrivers SE 4000 and SE 2800
- For applying screws accurately in quick succession
- Standard 50-screw strips can be used
- For affixing screws 25-55 mm in length, maximum screw head Ø of 9.5 mm and maximum shaft Ø 5 mm
- Precision adjustable screw depth
- Screw magazine removable for single-screw application

Standard equipment 1 Phillips bit 2 x 157 mm, hexagonal socket wrench set

Order no.

6.31619

**Bits for collated screwdriver magazine**



Bit type	Bit size	Overall length mm	Torsion bits	Sales unit	Order no.
Phillips	Size 2	157		2	6.25500



**Technical Data**

**Cordless Impact Driver PowerMaxx SSD 18 LT**

Battery pack type	Li-Ion
Battery voltage	10.8 V
Speed/torque levels	1
No-load speed	0 - 2,300 /min
Max. impact rate	3,000 /min
Max. torque	105 Nm
Bit retainer	Hexagonal shank 1/4" (6.35 mm)
Weight (with battery pack)	1 kg

**Scope of delivery**

Order no.	6.00093
2 Li-Power Battery Packs (10.8 V/2.0 Ah)	■
Charger LC 40	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

**Product Advantages**

- Compact cordless impact driver for tough applications
- High torque machine with low kick-back torque
- Integrated work light for illumination of the work area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability

**System Components**

297 → Accessories

66 → Battery packs



Technical Data	Cordless Impact Driver SSD 18 LTX 200	Cordless Impact Wrench SSW 18 LTX 200
Battery pack type	Li-Ion	Li-Ion
Battery voltage	18 V	18 V
Speed/torque levels	3	3
No-load speed	0 - 2,500 /min	0 - 2,300 /min
Idling speed level 1	0 - 1,000 /min	0 - 900 /min
Max. impact rate	3,300 /min	3,000 /min
Maximum impact rate stage 1	2,100 /min	1,900 /min
Max. torque	150 Nm	210 Nm
Max. torque level 1	75 Nm	100 Nm
Bit retainer	Hexagonal shank 1/4" (6.35 mm)	External square 1/2 " (12.70 mm)
Weight (with battery pack)	1.6 kg	1.6 kg

**Scope of delivery**

Order no.	6.02196 <sup>1)</sup>	6.02195 <sup>1)</sup>
Belt hook with bit case	■	■
2 Li-Power battery packs (18 V/4.0 Ah)	■	■
»AIR COOLED« Quick Charger ASC 30-36 V	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Compact cordless impact driver for tough applications
- High torque machine with low kick-back torque
- Three speed/torque levels for varied ranges of applications
- Integrated work light for illumination of the work area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

**System Components**

297 → Accessories | 66 → Battery packs



NEW



NEW



Technical Data	Cordless Impact Wrench SSW 18 LTX 400 BL	Cordless Impact Wrench SSW 18 LTX 600
Battery pack type	Li-Ion	Li-Ion
Battery voltage	18 V	18 V
Speed/torque levels	12	1
No-load speed	0 - 2,150 /min	0 - 1,600 /min
Idling speed level 1	0 - 590 /min	–
Max. impact rate	4,250 /min	2,200 /min
Maximum impact rate stage 1	1,200 /min	–
Max. torque	400 Nm	600 Nm
Max. torque level 1	130 Nm	–
Bit retainer	External square 1/2 " (12.70 mm)	External square 1/2 " (12.70 mm)
Weight (with battery pack)	1.9 kg	3.1 kg

**Scope of delivery**

Order no.	6.02205 <sup>1)</sup>	6.02198 <sup>1)</sup>
Belt hooks	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	■
»AIR COOLED« Quick Charger ASC 30-36 V	■	■
Plastic Carry Case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product Advantages**

- Unique Metabo brushless motor for quick work progress and highest efficiency for any application
- Overload protection: protects the motor from overheating
- High torque accompanied by a particularly compact design
- Twelve speed/torque levels for a wide range of applications
- Extremely powerful for demanding screwing applications
- High torque machine with low kick-back torque
- Integrated work light for illumination of the work area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Battery packs with capacity display for checking the charge status

**System Components**

297 → Accessories | 66 → Battery packs

01  
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NEW

## Technical Data

Impact Wrench  
SSW 650

No-load speed	0 - 2,100 /min
Rated input power	650 W
Output power	360 W
Max. impact rate	2,800 /min
Max. torque	600 Nm
Bit retainer	External square 1/2 " (12.70 mm)
Weight without mains cable	3 kg
Cable length	5 m

## Scope of delivery

Order no.	6.02204
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## Product Advantages

- Extremely powerful for demanding screwing applications
- Extremely high torque machine with low kick-back torque
- Vario (V)-electronics for working with customised speeds for the materials used
- Robust die cast aluminium gear housing for optimum heat dissipation and durability

## System Components

297 → Accessories

## Screwdriver Bit Assortments, impact-proof

	Order no.
 <b>NEW</b> <b>Bit-Box Impact 29</b> Consisting of: Pozidriv bits, sizes 2, 3 (torsion bits, 1 each size), 29 mm long Torx bits, sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size), 29 mm long 1 Bit Holder Ideal for powerful drill/screwdrivers and impact screwdrivers	6.28849*

 <b>NEW</b> <b>Bit-Box Impact 49</b> Consisting of: Pozidriv bits PZ, sizes 2, 3 (torsion bits, 1 each size), 49 mm long Pozidriv bits TX sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size); 49 mm long Ideal for powerful drill/screwdrivers and impact screwdrivers	6.28850*
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## Connectors

	Order no.
 <b>Connector</b> Connector 1/4" external square / 1/2" external square Overall length: 72 mm	6.28838*
 <b>Adapter</b> Adapter for working with screwdriver bits, 1/2" external square / 1/4" impact-proof	6.28836*

## Hexagon sockets with 1/4" (6.35 mm), magnetic and impact-proof

Holder	Overall length mm	Key width	Order no.
	65	1/4" (6.35 mm)	6.28839*
	65	3/8" (9.53 mm)	6.28840*
	65	6 mm	6.28841*
	65	7 mm	6.28842*
	65	8 mm	6.28843*
	65	9 mm	6.28844*
	65	10 mm	6.28845*
	65	12 mm	6.28846*
	65	13 mm	6.28847*

For screwdrivers and impact screwdrivers 1/4"  
Impact-proof: made from chrome Vanadium steel; surface: matt satin; length: 65 mm

## Accessories for impact drivers, ratchet drivers

	Order no.
 <b>Socket Wrench Set 3/8" (10 pieces)</b> Consisting of 10 socket wrenches (8, 9, 10, 11, 12, 13, 15, 17, 18, 19 mm)	6.28830
 <b>Socket Wrench Set 1/2" (10 pieces)</b> Consisting of 10 socket wrenches (10, 11, 12, 13, 15, 17, 19, 21, 22, 24 mm)	6.28831
 <b>Socket Wrench Set 1/2" (3 pieces)</b> Consisting of 3 socket wrenches (17, 19, 21mm) For alloy wheel caps, long version	6.28833
 <b>Socket Wrench Extension 1/2" impact-proof</b> Overall length 150 mm	6.28832
 <b>Socket Wrench Set 3/4" (8 pieces)</b> Consisting of 8 socket wrenches (21, 22, 24, 26, 27, 28, 30, 32 mm)	6.28834
 <b>Socket wrench set 1" (8 pieces)</b> Consisting of 8 socket wrenches (24, 27, 30, 32, 33, 34, 36, 38mm) Deep version	6.28835
 <b>Nut set 1/2" (11 pieces)</b> Consisting of 11 nuts (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24 mm)	0901010021
 <b>Nut set 3/4" (8 pieces)</b> Consisting of 8 nuts (21, 22, 24, 26, 27, 28, 30, 32 mm)	0901014647



Technical Data	Stirrer RWE 1100
Torque	45 Nm
Max. stirring basket diameter	160 mm
No-load speed	0 - 700 /min
Rated input power	1,100 W
Output power	660 W
Speed at rated load	480 /min
Collar diameter	43 mm
Bit retainer	Female thread M 14
Weight without mains cable	3.5 kg
Cable Length	4 m
<b>Scope of delivery</b>	
Order no.	6.01111
Side handle	■

#### Product Advantages

- For powerful stirring of thick, liquid-like materials such as mortar, gypsum and filler
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Comfortable operation and safety through auxiliary handle
- Vario (V)-electronics for working with customised speeds for the materials used
- Electronic soft start for splash-free startup
- Quick change of agitator paddles with quick change adapter (accessory)

#### System Components

299 ▶ Accessories

#### Agitator paddles with M14 male thread

	Diameter mm	Length mm	Maximum material quantity kg	Maximum speed /min	Order no.
 <b>Type RS 2, mixing effect from top to bottom</b> <ul style="list-style-type: none"> <li>■ The perfect universal mixing tool for the DIY expert and for the painter. Easy and quick mixing of various materials through special side construction.</li> <li>■ The high-grade construction results in vertical mixing effect from top to bottom. As a result, a quick and homogeneous mixing of paints and small quantities of stringy materials is achieved, e.g. cement slurry and finished mortar.</li> </ul>	110	600	15 - 40	500 - 700	6.31950*
	140	600	30 - 60	500 - 700	6.31951*
	 <b>Type RS 3, mixing effect from top to bottom</b> <ul style="list-style-type: none"> <li>■ The top tool for the professional</li> <li>■ Easy handling even when working with the toughest of materials owing to the triple leg construction and the extremely sturdy design with extremely strong welding seams for vertical mixing effect from top to bottom.</li> <li>■ Suitable for tough and continuous use in plaster, construction and stuccoer work. Processes plaster, mortar, filler compounds, thermal insulation materials etc. in the shortest time with optimum mixing results without problem.</li> </ul>	100	600	10 - 25	500 - 700
130		600	20 - 50	500 - 700	6.31953*
160		600	30 - 150	500 - 700	6.31954*
 <b>Type RS 3, mixing effect from bottom to top</b> <ul style="list-style-type: none"> <li>■ The top tool for the professional</li> <li>■ Easy handling even when working with the toughest materials owing to the robust construction with three legs for reversed mixing effect from bottom to top.</li> <li>■ Suitable for tough and continuous use in plaster, construction and stuccoer work. Processes plaster, mortar, filler compounds, thermal insulation materials etc. in the shortest time with optimum mixing results without problem.</li> </ul>		100	600	10 - 25	500 - 700
	130	600	20 - 50	500 - 700	6.31964*
	160	600	30 - 150	500 - 700	6.31965*
	 <b>Type RS 4, mixing effect from bottom to top</b> <ul style="list-style-type: none"> <li>■ The top tool for the professional</li> <li>■ The high-grade processing guarantees long use, even under extreme conditions. The powerful helix construction guarantees a high mixing and delivery capacity, even with toughest materials.</li> <li>■ Suitable for tough and continuous use in plaster, construction and stuccoer work. Due to the reversed mixing effect, i.e. from bottom to top, especially suitable for mixing 2-component materials with the feature that one substance is deposited on the vessel bottom.</li> </ul>	100	600	10 - 20	500 - 700
130		600	20 - 30	500 - 700	6.31956*
160		600	30 - 150	500 - 700	6.31957*
 <b>Type RS 8</b> <ul style="list-style-type: none"> <li>■ The special disc construction achieves a high homogeneous blending and quiet running at especially high-speeds.</li> <li>■ The material is blended quickly due to the counteracting discs especially in fast-operating machines.</li> <li>■ Extremely suitable for mixing liquid media, granules and float finishes</li> </ul>		120	600	35 - 70	500 - 700

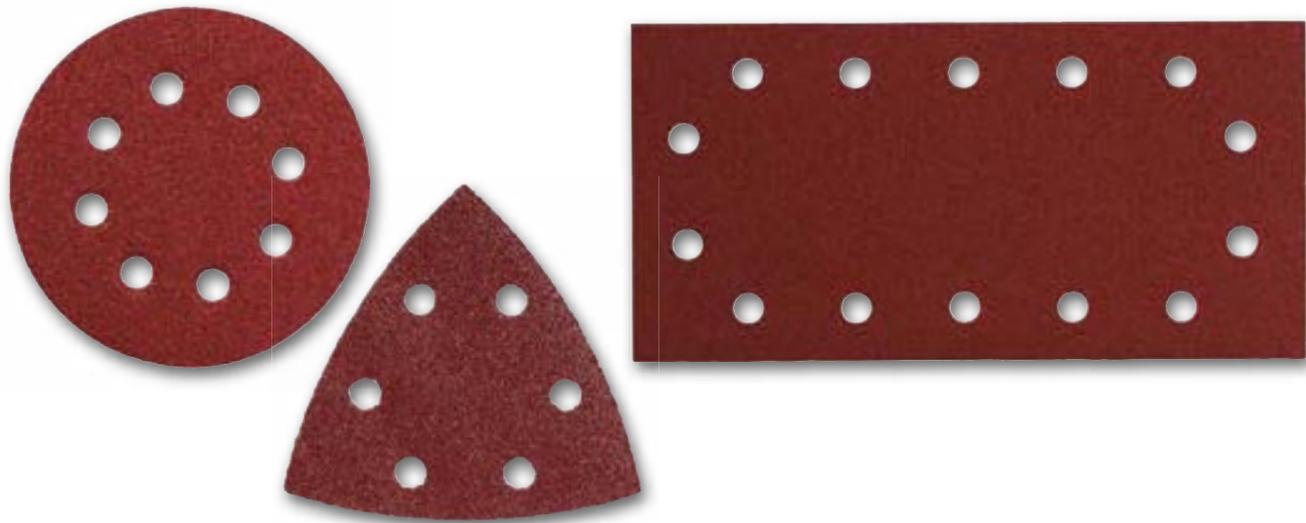
#### Connectors with M14 FThr

	Order no.
 <b>Connector</b> For machines with other spindle holders Socket: 1/2"-20 UNF, M 14 female thread	6.31959*

#### Quick change adapter

	Order no.
 <b>Quick change adapter</b> for easily removing or fitting the agitator paddle for cleaning or replacement purposes Holder: M 14 female thread	6.31966*

# M+ System: Machine and Accessories perfectly synchronised for maximum performance



## Reliable quality tools for any application

We are the specialist for the metal trade and industry, and the ideal partner when drilling/screwdriving, cutting/grinding and sawing in the building sector.

## The M+ System: Metabo Machine + Metabo Accessories for perfect surfaces



Even during the development phase at Metabo, machines and accessories are optimally adjusted to one another and tested. Your added benefit: Maximum performance for grinding thanks to Metabo+ System effect.



# Sanding Routing Planing

# Sander: Maximum material removal and clean fine polish in one

Do you need a sander with a high material removal, but at the same time a clean fine polished finish? Metabo can do both: The only sander with two oscillating circuits is the absolute specialist for coarse and fine jobs. The patented dual oscillating circuit setting and the Turbo Boost function for maximum material removal make the sander a universal machine for wood, plastic, NF metals and sheet steel surfaces.

## Variospeed (V) electronics

Thumbwheel speed control for selecting the best setting for the material being processed

Removable front handle for working near edges

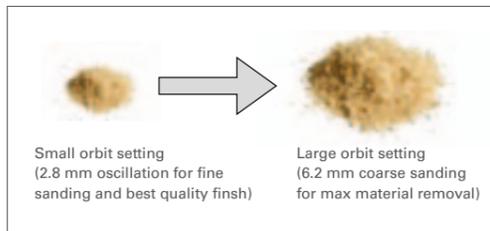
Dust-proof ball bearing for long service life of the machine.

Power Control System: No scratches when placing the running machine on the material

Sturdy aluminum die cast bearing housing

**TurboBoost:** Allows additional power reserves to be employed for achieving maximum removal

Extraction possibilities by connection of an all-purpose vacuum cleaner or alternatively a dust cassette with filter.



**Patented dual adjustable oscillating circuit:** Depending on the application, either fine sanding or high output can be set

SXE 450 Turbo Tec



## Technical data

Technical data	Palm Grip Random Orbital Sander FSX 200 Intec
Diameter of backing pad	125 mm
No-load speed	11,000 /min
Rated input power	240 W
Output power	90 W
Speed at rated load	9,500 /min
Swing diameter	2.7 mm
Weight without mains cable	1.3 kg
Cable length	2.8 m

## Scope of delivery

Order no.	6.09225
Dust collector cartridge	■
1 pleated filter	■
Plastic carry case	■

## Product advantages

- Light and handy machine for convenient one-hand operation
- Very good weight-performance ratio for low-fatigue working
- Grip area with non-slip softgrip surface
- Dust-proof ball bearing for long service life of the machine
- Dust cassette with filter for working without connecting a vacuum cleaner
- Extraction possibility by means of connecting an all-purpose vacuum cleaner with adapter 6.26996



## Technical data

Technical data	Disc Sander SX E 400
Diameter of backing pad	80 mm
No-load speed	5,000 - 10,000 /min
Rated input power	220 W
Output power	100 W
Speed at rated load	6,000 /min
Orbit diameter	3 mm
Weight without mains cable	1.2 kg
Cable length	2.5 m

## Scope of delivery

Order no.	6.00405 <sup>1)</sup>
Cling-fit intermediate disc	■
Hexagonal wrench	■

<sup>1)</sup> also available in 120 V (North/Latin America)

## Product advantages

- For sanding inner and outer curves by means of small 80 mm packing pad and flexible intermediate disc
- Excellent suitability for sanding and polishing smaller surfaces
- Light and handy machine for convenient one-hand operation
- Vario (V)-electronics for working with selected speeds for the materials used
- Thumbwheel for preselection of speed
- Power Control System: No scratches when placing the running machine on the material
- Compact housing design for sanding in places difficult to reach
- Dust-proof ball bearing for long service life of the machine
- Extraction possibility by means of connecting an all-purpose vacuum cleaner



**Hassle-free filter changes:** The pleated filter is simply removed from the box for cleaning; the filter and the box are both very easy to clean.



**For shiny surfaces:** When fitted with a lambskin disc, the SXE 425 TurboTec and the SXE 450 TurboTec are also ideal for polishing.



**Adjustable oscillating circuit** The dual oscillating circuit can be adjusted at the touch of a button from high material removal to fine finishing.

## System components

314 ▶ Accessories

393 ▶ Extraction systems



#### Technical data

#### Disc Sander SXE 325 Intec

Diameter of backing pad	125 mm
No-load speed	5,000 - 11,000 /min
Rated input power	250 W
Output power	100 W
Speed at rated load	7,500 /min
Orbit diameter	5 mm
Weight without mains cable	2 kg
Cable length	2.5 m

#### Scope of delivery

Order no.	6.00325
Hexagonal wrench	■
Dust collector cartridge	■
1 pleated filter	■
Plastic carry case	■

#### Product advantages

- Vario (V)-electronics for working with selected speeds for the materials used
- Thumbwheel for preselection of speed
- Power Control System: No scratches when placing the running machine on the material
- Dust-proof ball bearing for long service life of the machine
- Dust cassette with filter for working without connecting a vacuum cleaner
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### System components

314 → Accessories

393 → Extraction systems



#### Technical data

#### Disc Sander SXE 425 TurboTec

Diameter of backing pad	125 mm	150 mm
No-load speed	4,200 - 11,000 /min	4,200 - 11,000 /min
Rated input power	320 W	350 W
Output power	160 W	180 W
Speed at rated load	9,000 /min	8,500 /min
Orbit diameter	5 mm	2.8/6.2 mm
Weight without mains cable	2.3 kg	2.4 kg
Cable length	2.5 m	4 m

#### Scope of delivery

Order no.	6.00131	6.00129 <sup>1) 2)</sup>
Velcro-faced backing pad	■	■
Hexagonal wrench	■	■
Removable front handle	■	■
Dust collector cartridge	■	■
1 pleated filter	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

#### Product advantages

- Patented dual adjustable oscillating circuit: Depending on the application, either fine sanding or high removal can be set
- Grip area with non-slip softgrip surface
- Vario (V)-electronics for working with selected speeds for the materials used
- Thumbwheel for preselection of speed
- TurboBoost: allows additional power reserves to be employed for achieving maximum removal
- Power Control System: No scratches when placing the running machine on the material
- Removable front handle
- Dust-proof ball bearing for long service life of the machine
- Sturdy aluminum die cast bearing housing
- Dust cassette with filter for working without connecting a vacuum cleaner
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### System components

314 → Accessories

393 → Extraction systems

# Sander: Quiet operation, perfect finished result

Using Metabo sanders you will always achieve a clean, fine finish without scoring marks and grooves, for example, when sanding lacquers and wooden surfaces of door frames, staircases or flat workpieces. The innovative oscillating system and the smooth operation guarantee an excellent finished result. Even heat-sensitive materials such as lacquer can be processed with the Metabo sanders thanks to standard speed selection.



**TurboBoost:**  
Allows additional power reserves to be employed for achieving maximum removal

**Variospeed (V) electronics**  
Thumbwheel for working with customised oscillating rates for the materials used

**Low vibration**  
Ergonomic handle with damping element for low vibrations at the rear handle (up to 2.5 m/s<sup>2</sup> exposure action value as per EN 60745), this permits longer fatigue-free working.

**Extraction possibilities**  
by connection of an all-purpose vacuum cleaner or dust cassette with filter for working without connecting a vacuum cleaner

**Removable front handle**  
with vibration damping for comfortable grip in any work position

**Long service life thanks to dust-proof seals**  
A tear-proof rubber sleeve and a ball bearing with multiple sealing protect the machine from penetrating wood and mineral dusts and thus extend the service life.

**Base plate**  
with additional lateral extraction channels for clean working

**Universal extraction connection**  
The new corrugated extraction nozzle secures a safe connection to an external extraction unit.

SRE 4351 Turbo Tec

## Technical data

Base plate	114 x 102 mm
Orbital frequency at no load	26,000 /min
Rated input power	200 W
Output power	80 W
Orbital frequency at rated load	22,000 /min
Orbit diameter	1.4 mm
Weight without mains cable	1.3 kg
Cable length	2.8 m

## Palm Grip Sander FSR 200 Intec

## Scope of delivery

Order no.	6.00066
Hole punch	■
Dust collector cartridge	■
1 pleated filter	■
Plastic carry case	■

## Product advantages

- Light and handy machine for convenient one-hand operation
- Very good weight-performance ratio, ideal for working overhead
- Grip area with non-slip softgrip surface
- Dust-proof ball bearing for long service life of the machine
- Robust clamping system for sanding paper with and without Velcro
- Dust cassette with filter for working without connecting a vacuum cleaner
- Extraction possibility by means of connecting an all-purpose vacuum cleaner with adapter 6.26996



**Excellent sanding result**  
without scoring marks and grooves for a professional surface finish



**Sanding near edges**  
When sanding near edges the handle with vibration damping can be removed quickly and without the need for tools. Perfect sanding results down to the smallest corner.



**Universal clamping system**  
Universal clamping system for sanding paper with and without Velcro, as well as grinding media up to 10 mm in thickness.

## System components

320 ▶ Accessories

393 ▶ Extraction systems



Technical data	Sander SR 20-23	Sander SR 10-23 Intec
Base plate	92 x 184 mm	92 x 184 mm
Orbital frequency at no load	21,700 /min	21,700 /min
Rated input power	210 W	200 W
Output power	95 W	90 W
Orbital frequency at rated load	16,000 /min	18,000 /min
Orbit diameter	2.5 mm	2.5 mm
Weight without mains cable	1.9 kg	2 kg
Cable length	2.5 m	2.5 m

#### Scope of delivery

Order no.	6.02026 <sup>1)</sup>	6.01024
Dust collector cartridge		■
1 pleated filter		■

<sup>1)</sup> also available in 120 V (North/Latin America)

#### Product advantages

- Robust aluminium die cast bearing flange
- Can be retrofitted as accessory: Dust cassette with filter for working without connection of a vacuum cleaner
- Dust cassette with filter for working without connecting a vacuum cleaner
- Robust sander with long service life even under tough conditions
- Very good weight-performance ratio, ideal for working overhead
- Dust-proof ball bearing for long service life of the machine
- auto-stop carbon brushes
- Extraction possibility by means of connecting an all-purpose vacuum cleaner



Technical data	Sander SRE 4350 TurboTec	Sander SRE 4351 TurboTec
Base plate	92 x 184 mm	114 x 229 mm
Orbital frequency at no load	8,400 - 22,000 /min	8,400 - 22,000 /min
Rated input power	350 W	350 W
Output power	180 W	180 W
Orbital frequency at rated load	17,000 /min	17,000 /min
Orbit diameter	2.2 mm	2.2 mm
Weight without mains cable	2.5 kg	2.7 kg
Cable length	4 m	4 m

#### Scope of delivery

Order no.	6.11350	6.11351 <sup>1) 2)</sup>
Velcro-faced base-plate	■	■
Removable side handle	■	■
Dust collector cartridge	■	■
1 pleated filter	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

#### Product advantages

- Excellent sanding finish without scoring marks and grooves, for a professional surface finish
- Oscillating system with paired angular ball bearing for smooth running and minimum vibration
- Robust clamping system for sanding paper with and without Velcro, as well as grinding media up to 10 mm in thickness
- Ball bearing with multiple sealing and tear-proof rubber sleeve protects the machine against aggressive dust
- Side handle with vibration damping for comfortable grip in any work position
- TurboBoost: allows additional power reserves to be employed for achieving maximum removal
- Vario (V)-electronics for working with selected speeds & rates for the materials used
- Sanding plate with additional lateral extraction channels for cleaner working
- Dust cassette with filter for working without connecting a vacuum cleaner
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### System components

320 → Accessories

393 → Extraction systems

#### System components

320 → Accessories

393 → Extraction systems



Technical data	Multi-sander FMS 200 Intec
Base plate	100 x 147 mm
Orbital frequency at no load	26,000 /min
Rated input power	200 W
Output power	80 W
Orbital frequency at rated load	22,000 /min
Orbit diameter	1.4 mm
Weight without mains cable	1.2 kg
Cable length	2.8 m

**Scope of delivery**

Order no.	6.00065
Dust collector cartridge	■
1 pleated filter	■
Plastic carry case	■

**Product advantages**

- Triangular base plate for sanding edges, corners and surfaces
- Light and handy machine for convenient one-hand operation
- Very good weight-performance ratio for low-fatigue working
- Grip area with non-slip softgrip surface
- Dust cassette with filter for working without connecting a vacuum cleaner
- Extraction possibility by means of connecting an all-purpose vacuum cleaner with adapter 6.26996



Technical data	Triangular Base-Plate Sander DSE 300 Intec
Base plate, dimensions from corner to corner	93 mm
Orbital frequency at no load	14,000 - 22,000 /min
Orbital frequency at rated load	18,000 /min
Rated input power	300 W
Orbit diameter	1.8 mm
Weight without mains cable	1.3 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.00311
Hexagonal wrench	■
Plastic carry case	■

**Product advantages**

- For effective sanding of edges and corners
- Patented, rotating base plate for optimum utilisation of the edges of the sanding paper
- Dust-proof ball bearing for long service life of the machine
- Robust oscillation sleeve and base plate holder made from die-cast aluminium for a long service life
- Vario (V)-electronics for working with customised oscillating rates for the materials used
- Thumbwheel for preselection of orbital frequency
- Easy change of sanding sheet with velcro-faced base-plate
- Dust cassette with filter for working without connecting a vacuum cleaner
- Convenient handling thanks to slim design
- Compact design enables working in difficult to reach surfaces
- Extraction possibility by means of connecting an all-purpose vacuum cleaner with adapter 6.24994

**System components**

324 → Accessories

393 → Extraction systems

**System components**

325 → Accessories

393 → Extraction systems



Technical data	Belt sander BAE 75
Torque	12 Nm
Sanding belt	75 x 533 mm
Sanding belt supporting surface	85 x 150 mm
Rated input power	1,010 W
Weight without mains cable	4.9 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.00375
Dust bag	■
Side handle	■
Hexagonal wrench	■
Suction adapter	■
Length guide	■
Machine stand	■

**Product advantages**

- Excellent sanding results thanks to powerful motor and precise belt path
- Fast and tool-free sanding belt change
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at almost constant speed whilst under load and with customised belt speeds for the appropriate material
- Thumbwheel for preselection of belt speed
- With antistatic dust bag for working without connecting a vacuum cleaner
- Side handle for ideal machine guidance
- With machine stand for tool-free conversion for stationary use in a matter of seconds
- With length guide for exact guidance of the workpiece in stationary use
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

**System components**

329 → Accessories

393 → Extraction systems

# Abrasive media: High removal and durable

Proven quality for the professional: Suitable for processing almost all surfaces such as wood, metal, paint and stone. Our abrasives are made from first class materials to give first class results – be it for quick heavy stock removal or for super fine smooth finishes or just something in-between, Metabo has a wide range of sanding belts, sheets and discs. They are designed to not just fit a Metabo, but machines from other brands as well.

## Structure and purpose

### The sanding compound

carries the grains and transfers the chip removal forces. Besides high strength and small expansion, the sanding compound has to render a sanding process matching flexibility

### Carriers are

- Highly compressed papers of various thicknesses.
- Fabric based on polyester and cotton of various strengths.
- Vulcanized fibre as a strong and tear-proof base is the base material for the (Vulcan) fibre disc.

### The abrasive grain

is the actual cutting tool. It penetrates the material being processed and removes the surface. The abrasive grain is anchored on the grain-holding medium. High hardness, toughness and a sharp edged geometry are the most important attributes of the abrasive grain. For top quality sanding media, only synthetic abrasive grain materials are used.

### Abrasive grain types are

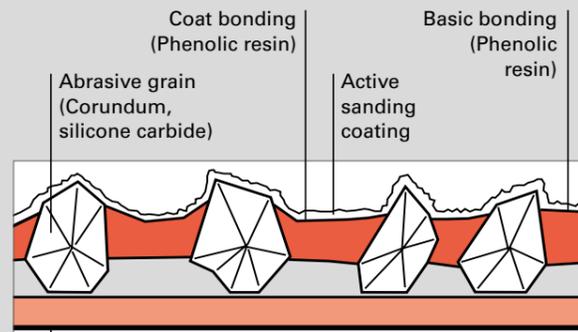
- Corundum (aluminium oxide) as a hard, slightly brittle grain for the processing of metal, wood and lacquers of rough as well as fine ground finishes.
- Silicon carbide as a hard, sharp-edged abrasive grain for processing of lacquer, wood, ceramic, glass and rubber... for rough as well as fine ground finish.
- Aluminium zirconia as a tough and fine crystalline combination of aluminium oxide and aluminium zircon for the processing of metal and non-rusting materials.

### The bonding agent

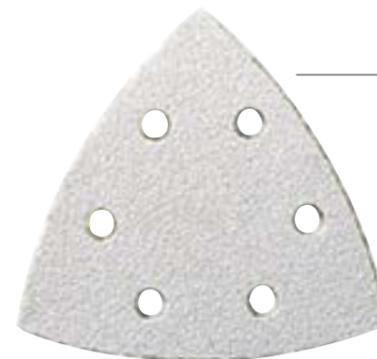
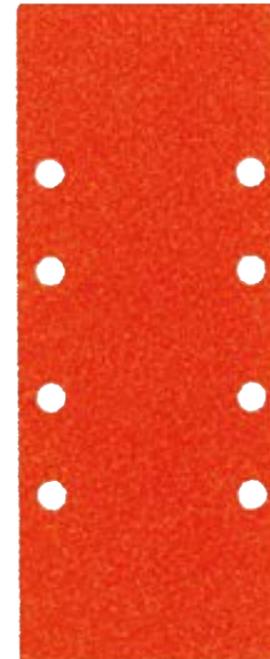
anchors the abrasive grain in the sanding compound carrier and supports it against the forces generated by the removal of the surface.

### Bonding agents are

- Phenolic resins and partially synthetic resins for sufficient support with a certain elasticity.



Sanding compound carrier: paper, fabric, fibre or a P-F combination



## The quality of Metabo sanding media

For example, for orbital sanders:

**Wood + metal / wood + metal »professional«, E-paper, white corundum, resin-bonded**

- High-quality sanding paper with high coarseness and high removal of material
- For best results when sanding wood and metal for professional use

### Application:

For veneers, solid wood, steel and special steel sheeting, non-ferrous metals, light metals. e.g. for sanding veneered and foil covered furniture parts with hot-melt glue edging, decor sanding on special steel sheeting, refurbishment sanding and deburring of sheet edges

For example, for sanders:

**Wood »classic« A/B paper, normal corundum, resin/glue bond**

- High-quality sanding paper with semi-open coarseness
- Best suited to sanding wood with an outstanding price-performance ratio.

### Application:

For wood generally, solid wood, veneers, plastic, acrylic glass, lacquer, spatula, fillers, e.g. for deburring, cleaning of plywood, veneer, solid wood, lacquered surfaces, deburring of veneered furniture edges

For example, for triangular base-plate sanders:

**Paint »professional« B/C paper, pink grade corundum, stearate-coated, resin bonded**

- High-quality sanding paper
- The special stearate coating ensures a long service life by not clogging the sanding medium
- For best results when sanding off paint, lacquer, body-filler on wood or metal on professional application

### Application:

For deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

Backing pads and intermediate discs

Velcro-faced backing pad					
	Diameter mm	Hardness	Version	Suitable for	Order no.
	80	Medium-hard	Perforated	SX E 400	6.24064*
	122	Soft	Perforated	SX E 125	6.31225*
	122	Medium	Perforated	FSX 200 Intec	6.25658*
	122	Medium-hard	Perforated	SX E 125	6.31224*
	125	Soft	Perforated	SXE 325 Intec, SX E 425 SXE 425 TurboTec	6.31220*
	125	Medium-hard	Perforated	SXE 325 Intec, SX E 425 SXE 425 TurboTec	6.31219*
	150	Soft	Perforated (6 holes)	SX E 425 XL SXE 450 TurboTec SX E 450 Duo	6.31156*
	150	Medium-hard	Perforated (6 holes)	SX E 425 XL SX E 450 Duo SXE 450 TurboTec	6.31158*
	150	Medium-hard	Perforated (6 or 8 holes)		6.31150*

Backing pad, for self-adhesive sanding discs

	Diameter mm	Hardness	Version	Suitable for	Order no.
	150	Medium	Perforated (6 holes)	SX E 425 XL SX E 450 Duo SXE 450 TurboTec	6.31169*

Velcro-faced intermediate disc

	Diameter mm	Hardness	Version	Suitable for	Order no.
	80	Soft	Perforated	SX E 400	6.24061*
	125	Soft	Unperforated	SX E 325 SX E 425 SXE 425 TurboTec FSX 200 Intec	6.31216*
	150	Soft	Unperforated	SX E 425 XL SX E 450 Duo SXE 450 TurboTec	6.24037*

Cling-fit sanding sheets for disc sanders

Cling-fit sanding sheets for wood and metal, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material for a homogenous finish
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal

	Diameter mm	Grit	Sales unit	Order no.
	Cling-fit sanding sheets Ø 80 mm, 6 holes			
	80	P 40	10	6.24041*
	80	P 60	10	6.24042*
	80	P 80	10	6.24043*
	80	P 100	10	6.24044*
	80	P 120	10	6.24045*
	80	P 180	10	6.24046*
	80	P 240	10	6.24047*
	80	P 320	10	6.24048*
	80	P 40	25	6.24051
	80	P 60	25	6.24052
	80	P 80	25	6.24053
	80	P 100	25	6.24054

\* Self-service packaging

Diameter mm	Grit	Sales unit	Order no.
80	P 120	25	6.24055
80	P 180	25	6.24056
80	P 240	25	6.24057
80	P 320	25	6.24058
80	P 400	25	6.24059
<b>Cling-fit sanding sheets Ø 125 mm, 8 holes</b>			
			
125	P 40	5	6.31226*
125	P 60	5	6.31227*
125	P 80	5	6.31228*
125	P 120	5	6.31229*
125	P 180	5	6.31230*
125	P 240	5	6.31231*
125	P 320	5	6.31236*
125	P 40	25	6.31584
125	P 60	25	6.31585
125	P 80	25	6.31586
125	P 120	25	6.31587
125	P 180	25	6.31588
125	P 240	25	6.31589
125	P 320	25	6.31596
125	P 400	25	6.31597
<b>Cling-fit sanding sheets Ø 150 mm, 6 holes</b>			
			
150	P 40	5	6.24001*
150	P 60	5	6.24002*
150	P 80	5	6.24003*
150	P 100	5	6.24004*
150	P 120	5	6.24005*
150	P 180	5	6.24006*
150	P 240	5	6.24007*
150	P 320	5	6.24008*
150	P 40	25	6.24019
150	P 60	25	6.24020
150	P 80	25	6.24021
150	P 100	25	6.24022
150	P 120	25	6.24023
150	P 180	25	6.24024
150	P 240	25	6.24025
150	P 320	25	6.24026
150	P 400	25	6.24027
<b>Cling-fit sanding sheets Ø 150 mm, 9 holes</b>			
			
150	P 40	25	6.25715
150	P 60	25	6.25716
150	P 80	25	6.25717
150	P 100	25	6.25718
150	P 120	25	6.25719
150	P 180	25	6.25720
150	P 240	25	6.25721
150	P 320	25	6.25722

Assortment of sanding sheets for wood and metal, »professional« series

- Corundum
- For wood, metal and painted surfaces

	Order no.
 <b>25 cling-fit sanding sheets</b> Assortment (10 x P 60, 10 x P 80, 5 x P 120) Diameter: 80 mm Type: perforated (6 holes) Number of parts: 25	6.24060
 <b>6 cling-fit sanding sheets</b> Assortment (2 x P 60, 2 x P 120, 2 x P 240) Diameter: 125 mm Type: perforated (8 holes) Number of discs: 6	6.31232*
 <b>25 cling-fit sanding sheets</b> Assortment (10 x P 60, 10 x P 80, 5 x P 120) Diameter: 125 mm Type: perforated (8 holes) Number of parts: 25	6.31583
 <b>25 cling-fit sanding sheets</b> Assortment (10 x P 60, 10 x P 80, 5 x P 120) Diameter: 150 mm Type: perforated (6 holes) Number of parts: 25	6.24066*

Cling-fit sanding sheets for paints and lacquers, »professional« series

- High-quality sanding paper
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

Diameter mm	Grit	Sales unit	Order no.
<b>Cling-fit sanding sheets Ø 80 mm, 6 holes</b>			
			
80	P 40	25	6.24081
80	P 60	25	6.24082
80	P 80	25	6.24083
80	P 100	25	6.24084
80	P 120	25	6.24085
80	P 180	25	6.24086
80	P 240	25	6.24087
80	P 320	25	6.24088
80	P 400	25	6.24089

Diameter mm	Grit	Sales unit	Order no.
<b>Cling-fit sanding sheets Ø 125 mm, 8 holes</b>			
			
125	P 40	25	6.25726
125	P 60	25	6.25727
125	P 80	25	6.25728
125	P 100	25	6.25729
125	P 120	25	6.25730
125	P 180	25	6.25731
125	P 240	25	6.25732
125	P 320	25	6.25733
125	P 400	25	6.25734
<b>Cling-fit sanding sheets Ø 150 mm, 6 holes</b>			
			
150	P 40	25	6.24028
150	P 60	25	6.24029
150	P 80	25	6.24030
150	P 100	25	6.24031
150	P 120	25	6.24032
150	P 180	25	6.24033
150	P 240	25	6.24034
150	P 320	25	6.24035
150	P 400	25	6.24036
<b>Cling-fit sanding sheets Ø 150 mm, 9 holes</b>			
			
150	P 40	25	6.25738
150	P 60	25	6.25739
150	P 80	25	6.25740
150	P 100	25	6.25741
150	P 120	25	6.25742
150	P 180	25	6.25743
150	P 240	25	6.25744
150	P 320	25	6.25745

Additional accessories for disc sanders

Cling-fit polishing sponges



- For high-gloss polishing of slightly soiled, scratched surfaces. For use with polish on curved and even surfaces.

Diameter mm	Thickness mm	Sales unit	Order no.
80	20	1	6.24092*
130	20	1	6.31222*
160	20	1	6.31233*

Cling-fit lambswool polishing disc



- For high-gloss polishing

Diameter mm	Sales unit	Order no.
85	1	6.24063*
160	1	6.31217*
130	1	6.31223*

Cling-fit polishing felt, hard



- For polishing up paintwork, non-ferrous metals, and steel sheets

Diameter mm	Thickness mm	Sales unit	Order no.
130	5	1	6.31242*
150	5	1	6.31168*

Cling-fit abrasive nylon web



- For roughing, cleaning, scouring ...

Diameter mm	Grit	Sales unit	Order no.
80	P 100	2	6.24067*
80	P 280	2	6.24068*
125	P 100	1	6.31238*
125	P 280	1	6.31239*
150	P 100	1	6.24038*
150	P 280	1	6.24039*

\* Self-service packaging

\* Self-service packaging

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Sanding sheets for sanders

Sanding sheets wood and metal, »professional« series

- High-quality sanding paper
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal

	Dimensions mm	Grit	Sales unit	Order no.
<b>Cling-fit sanding sheets 93 x 185 mm, 8 holes, with Velcro</b>				
	93 x 185	P 40	10	6.25765*
	93 x 185	P 60	10	6.25766*
	93 x 185	P 80	10	6.25767*
	93 x 185	P 100	10	6.25768*
	93 x 185	P 120	10	6.25769*
	93 x 185	P 180	10	6.25770*
	93 x 185	P 240	10	6.25771*
	93 x 185	P 320	10	6.25772*
<b>Sanding sheets 93 x 230 mm, 8 holes, for clamping</b>				
	93 x 230	P 40	10	6.24480*
	93 x 230	P 60	10	6.24481*
	93 x 230	P 80	10	6.24482*
	93 x 230	P 100	10	6.24483*
	93 x 230	P 120	10	6.24484*
	93 x 230	P 180	10	6.24485*
	93 x 230	P 240	10	6.24486*
<b>Cling-fit sanding sheets 103 x 115 mm, 6 holes, with Velcro</b>				
	103 x 115	P 40	10	6.25619*
	103 x 115	P 60	10	6.25620*
	103 x 115	P 80	10	6.25621*
	103 x 115	P 100	10	6.25622*
	103 x 115	P 120	10	6.25623*
	103 x 115	P 180	10	6.25624*
	103 x 115	P 240	10	6.25625*
<b>Cling-fit sanding sheets 115 x 230 mm, 14 holes, with Velcro</b>				
	115 x 230	P 40	10	6.25786*
	115 x 230	P 60	10	6.25787*
	115 x 230	P 80	10	6.25788*
	115 x 230	P 100	10	6.25789*
	115 x 230	P 120	10	6.25790*
	115 x 230	P 180	10	6.25791*
	115 x 230	P 240	10	6.25792*
	115 x 230	P 320	10	6.25793*
<b>Sanding sheets 115 x 280 mm, 14 holes, for clamping</b>				
	115 x 280	P 40	10	6.24491*
	115 x 280	P 60	10	6.24492*
	115 x 280	P 80	10	6.24493*
	115 x 280	P 100	10	6.24494*

	Dimensions mm	Grit	Sales unit	Order no.
	115 x 280	P 120	10	6.24495*
	115 x 280	P 180	10	6.24496*
	115 x 280	P 240	10	6.24497*

Assortment of sanding sheets for wood and metal, »professional« series

	Order no.
 <b>10 sanding sheets</b> Assortment (2 each of P 40, P 80, P 120, P 180 and P 240) Dimensions: 93 x 230 mm Type: perforated (8 holes)	6.24490*

Sanding sheets for wood, »classic« series

- High-quality sanding paper with semi-open coarseness
- For all woods, solid wood, veneers, plastics, acrylics, lacquers, putty, filling compounds
- e.g. for deburring, cleaning plywood, veneers, solid woods, and lacquers, deburring furniture veneer

	Dimensions mm	Grit	Sales unit	Order no.
<b>Sanding sheets 93 x 230 mm, 8 holes, for clamping</b>				
	93 x 230	P 40	10	6.24826*
	93 x 230	P 60	10	6.24827*
	93 x 230	P 80	10	6.24828*
	93 x 230	P 100	10	6.24829*
	93 x 230	P 120	10	6.24830*
	93 x 230	P 180	10	6.24831*
	93 x 230	P 240	10	6.24832*

Sanding sheets for paints and lacquers, »professional« series

- High-quality sanding paper
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

	Dimensions mm	Grit	Sales unit	Order no.
<b>Cling-fit sanding sheets 93 x 185 mm, 8 holes, with Velcro</b>				
	93 x 185	P 40	25	6.25881
	93 x 185	P 60	25	6.25882
	93 x 185	P 80	25	6.25883
	93 x 185	P 100	25	6.25884
	93 x 185	P 120	25	6.25885
	93 x 185	P 180	25	6.25886
	93 x 185	P 240	25	6.25887
	93 x 185	P 320	25	6.25888

\* Self-service packaging

Dimensions mm	Grit	Sales unit	Order no.
<b>Cling-fit sanding sheets 103 x 115 mm, 6 holes, with Velcro</b>			
			
103 x 115	P 40	10	6.25639*
103 x 115	P 60	10	6.25640*
103 x 115	P 80	10	6.25641*
103 x 115	P 100	10	6.25642*
103 x 115	P 120	10	6.25643*
103 x 115	P 180	10	6.25644*
103 x 115	P 240	10	6.25645*
103 x 115	P 320	10	6.25646*
<b>Cling-fit sanding sheets 115 x 230 mm, 14 holes, with Velcro</b>			
			
115 x 230	P 40	25	6.25891
115 x 230	P 60	25	6.25892
115 x 230	P 80	25	6.25893
115 x 230	P 100	25	6.25894
115 x 230	P 120	25	6.25895
115 x 230	P 180	25	6.25896
115 x 230	P 240	25	6.25897
115 x 230	P 320	25	6.25898

## Nylon webs



- Suitable for sanding, roughing, cleaning, degreasing and matting of wooden materials, paints, lacquers and metals, as well as to produce decorative surfaces.

Dimensions mm	Grit	Sales unit	Order no.
93 x 250	Coarse	1	6.24723*
93 x 250	Medium	1	6.24722*
93 x 250	Very fine	1	6.24721*
115 x 295	Coarse	1	6.24727*
115 x 295	Medium	1	6.24726*
115 x 295	Very fine	1	6.24725*

## Abrasive mesh



- Particularly suited for sanding gypsum and plasterboard.

Dimensions mm	Grit	Sales unit	Order no.
93 x 250	P 120	1	6.24724*
115 x 295	P 120	1	6.24728*

## Additional accessories for sanders

### Hole punches



#### Hole punch

- In non-perforated sanding sheets, you can use a hole punch to make the holes necessary for dust extraction yourself

Length: 230 mm  
Width: 93 mm

Order no.

6.31148\*



#### Hole punch

- In non-perforated sanding sheets, you can use a hole punch to make the holes necessary for dust extraction yourself

Length: 280 mm  
Width: 115 mm

6.31149\*

### Self-adhesive Velcro-faced liner



#### Adhesive liner

- The perforated liner is stuck onto the sanding plate of sanders. The sanding plate should be free of dust and grease before applying the adhesive liner.

Length: 191 mm  
Width: 93 mm

Order no.

6.24709\*

### Perforated velcro-faced base plates



#### Base plate

- The base-plate of sanders Sr 356/Sr E 357 can be replaced by the velcro-faced base-plate

Length: 190 mm  
Width: 92 mm

Order no.

6.24736\*



#### Base plate

- Perforated, velcro-faced sanding plate for SRE 4351 TurboTec (as spare)

Length: 230 mm  
Width: 112 mm

6.24737\*



#### Base plate

- Perforated, velcro-faced sanding plate for SRE 4350 TurboTec (as spare)

Length: 185 mm  
Width: 93 mm

6.24738\*



#### Base plate

- The base-plate of sanders Sr 358/Sr E 359 can be replaced by the velcro-faced base-plate

Length: 236 mm  
Width: 112 mm

6.24749\*



#### Base plate

- Perforated, velcro-faced sanding plate FSR 200 Intec (as spare)

Length: 114 mm  
Width: 112 mm

6.25657\*

\* Self-service packaging

### Grinding plates with velcro

	<b>Sanding plate, perforated</b> Sanding plate for FMS 200 Intec (as spare) Dimensions: 147 x 100 mm	Order no.
		6.25600*

### Cling-fit sanding sheets for multi-sanders

#### Cling-fit sanding sheets for wood, »classic« series

- High-quality sanding paper with semi-open coarseness
- For all woods, solid wood, veneers, plastics, acrylics, lacquers, putty, filling compounds
- e.g. for deburring, cleaning plywood, veneers, solid woods, and lacquers, deburring furniture veneer

Dimensions mm	Grit	Sales unit	Order no.
 <b>Cling-fit sanding sheets 100 x 150 mm, 11 holes, 2 pieces</b>			
100 x 150	P 40	10	6.25603*
100 x 150	P 60	10	6.25604*
100 x 150	P 80	10	6.25605*
100 x 150	P 100	10	6.25606*
100 x 150	P 120	10	6.25607*
100 x 150	P 180	10	6.25608*
100 x 150	P 240	10	6.25609*
Assortment (2 each of P 60, P 80, P 120, P 180, P 240)			6.25610*

#### Cling-fit sanding sheets for paints and lacquers, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

Dimensions mm	Grit	Sales unit	Order no.
 <b>Cling-fit sanding sheets 100 x 150 mm, 11 holes, 2 pieces</b>			
100 x 150	P 40	10	6.25611*
100 x 150	P 60	10	6.25612*
100 x 150	P 80	10	6.25613*
100 x 150	P 100	10	6.25614*
100 x 150	P 120	10	6.25615*
100 x 150	P 180	10	6.25616*
100 x 150	P 240	10	6.25617*
Assortment (2 each of P 40, P 80, P 120, P 180 and P 240)			6.25618*

\* Self-service packaging

### Base-plates

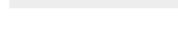
#### Perforated velcro-faced base plates

	<b>Perforated velcro-faced base-plate</b> For the triangular base-plate sanders DS E 170 and DS E 180 (as spare) Dimension from corner to corner: 93 mm	Order no.
		6.24970*
	<b>Perforated velcro-faced base-plate</b> For the triangular base-plate sanders DSE 300 and DSE 300 Intec (as spare) Dimension from corner to corner: 90 mm	Order no.
		6.24992*

#### Special louvre base-plate

	<b>Special louvre base-plate</b> For triangular base-plate sander DSE 170/ 180/ 280/300. Velcro-faced at the bottom side. The self-adhesive velcro-faced liner supplied can be fitted to the top of this base-plate so that cling-fit sanding sheets can be fitted for top and bottom sanding of louvres.	Order no.
		6.24971*

#### Self-adhesive Velcro-faced liner

	<b>Self-adhesive liner</b> Self-adhesive velcro-faced liner (as spare for special louvre base-plate 6.24971)	Order no.
		6.24972*

### Cling-fit sanding sheets for triangular base plate sanders

#### Cling-fit sanding sheets for wood and metal, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material for a homogenous finish
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal

Dimensions mm	Grit	Sales unit	Order no.
 <b>Cling-fit sanding sheets 93 x 93 mm, 6 holes</b>			
93 x 93	P 40	5	6.24940*
93 x 93	P 60	5	6.24941*
93 x 93	P 80	5	6.24942*
93 x 93	P 100	5	6.24943*
93 x 93	P 120	5	6.24944*
93 x 93	P 180	5	6.24945*
93 x 93	P 240	5	6.24946*
93 x 93	P 320	5	6.24947*
93 x 93	P 40	25	6.24980
93 x 93	P 60	25	6.24981
93 x 93	P 80	25	6.24982
93 x 93	P 100	25	6.24983
93 x 93	P 120	25	6.24984

\* Self-service packaging

	Dimensions mm	Grit	Sales unit	Order no.
	93 x 93	P 180	25	6.24985
	93 x 93	P 240	25	6.24986
	93 x 93	P 320	25	6.24987
	Assortment (10 x P 60, 10 x P 80, 5 x P 120)			6.24988

**Cling-fit sanding sheets for paints and lacquers, »professional« series**

- High-quality sanding paper
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

	Dimensions mm	Grit	Sales unit	Order no.
	<b>Cling-fit sanding sheets 93 x 93 mm, 6 holes</b>			
	93 x 93	P 40	25	6.25681
	93 x 93	P 60	25	6.25682
	93 x 93	P 80	25	6.25683
	93 x 93	P 100	25	6.25684
	93 x 93	P 120	25	6.25685
	93 x 93	P 180	25	6.25686
	93 x 93	P 240	25	6.25687
	93 x 93	P 320	25	6.25688

**Cling-fit abrasive nylon web, corundum abrasive**



- Used for structuring wood (applying a rustic appearance), for removing rust from metal and for sanding paints (tarnishing)

Grit	Order no.
P 100	6.24958*
P 280	6.24959*

**Accessories for dust extraction**

	Order no.	
	<b>10 dust filters</b> For the dust collector cartridge 6.24993 of the DSE 300 Intec <b>Extraction nozzle</b> ■ For external extraction for DSE 300/ DSE 300 Intec	6.24995* 6.24994*
	<b>Suction hose</b> Connector with internal Ø 30 mm and connector with outer Ø 35 mm Length of hose: 5 m Suction hose Ø: 19 mm	6.31592
	<b>Adapter 30/35 mm</b> ■ For connecting the suction hose with connector Ø 35 mm to an extraction nozzle Ø 30 mm	6.24996
	<b>Connector</b> ■ For connecting suction hose 6.31592 (Ø 30/35 mm connection) to a household vacuum cleaner	6.31593*

\* Self-service packaging

Dust bag holder	Order no.	
	<b>Dust bag holder, complete</b> ■ As spare, with 1 dust bag Suitable for sanders/multi-sanders: Sr 356, Sr E 357, Sr 358, Sr E 359 Suitable for disc sanders: SX E 425, SX E 425 XL, SX E 450 Duo	6.31289*

Dust bags (paper)	Order no.	
	<b>Dust bag</b> ■ Without dust bag holder 6.31385, as spare, pack of 5 Suitable for sanders/multi-sanders: Sr 226, Sr E 227, Sr 216, Sr E 217, Sr 326, Sr E 327, Sr 328, Sr E 329 Suitable for disc sanders: SX E 125	6.31286*
	<b>Dust bag</b> ■ Without dust bag holder 6.31289, as spare, pack of 5 Suitable for sanders/multi-sanders: Sr 356, Sr E 357, Sr 358, Sr E 359 Suitable for disc sanders: SX E 425, SX E 425 XL, SX E 450 Duo	6.31288*

Dust bag	Order no.	
	<b>Cloth dust bag</b> ■ Can be used in the dust bag holder (6.31289) instead of the paper dust bag provided (6.31288) Suitable for sanders/multi-sanders: Sr 356, Sr E 357, Sr 358, Sr E 359 Suitable for disc sanders: SX E 425, SX E 425 XL, SX E 450 Duo	6.31758*

Sawdust bag	Order no.	
	<b>Cloth dust bag</b> ■ With connector, for the Metabo sanders with dust extraction. Can be used in place of the supplied dust bag holder.	6.31235*

\* Self-service packaging

Dust collection box

	Order no.
 <p><b>Dust collector cartridge</b>                      ■ With pleated filter 6.31980, can be cleaned several times                      Suitable for sanders/multi-sanders: SRE 4350 TurboTec, SRE 4351 TurboTec</p>	6.25598*
 <p><b>Dust collector cartridge</b>                      ■ With pleated filter 6.31980, can be cleaned several times                      Suitable for disc sanders: SXE 425 TurboTec, SXE 450 TurboTec</p>	6.25599*
 <p><b>Dust collector cartridge</b>                      ■ Dust collector cartridge including dust filter 6.25602                      Suitable for sanders/multi-sanders: FMS 200 Intec, FSR 200 Intec                      Suitable for disc sanders: FSX 200 Intec</p>	6.25601*
 <p><b>Dust collector cartridge</b>                      ■ With pleated filter 6.31980, can be cleaned several times                      Included in scope of delivery for SR 10-23 Intec                      Suitable for sanders/multi-sanders: SR 10-23, SR 10-23 Intec, SR 20-23                      Suitable for disc sanders: SXE 325 Intec</p>	6.31981

Pleated filter

	Order no.
 <p><b>Pleated filter</b>                      ■ Pleated filter, polyester, for dust collector cartridge (6.25601)                      Suitable for sanders/multi-sanders: FMS 200 Intec, FSR 200 Intec                      Suitable for disc sanders: FSX 200 Intec</p>	6.25602*
 <p><b>Pleated filter</b>                      ■ Polyester (as spare), for the dust collection boxes 6.31981, 6.25599, 6.25598                      Suitable for sanders/multi-sanders: SR 10-23, SR 10-23 Intec, SR 20-23, SRE 4350 TurboTec, SRE 4351 TurboTec                      Suitable for disc sanders: SXE 425 TurboTec, SXE 450 TurboTec</p>	6.31980

Connector

	Order no.
 <p><b>Connector</b>                      ■ Connector Ø 35 mm for connecting to a normal vacuum cleaner                      Suitable for sanders/multi-sanders: FMS 200 Intec, FSR 200 Intec                      Suitable for disc sanders: FSX 200 Intec</p>	6.26996*

Sanding belts for wood and metal, »professional« series

- High-quality sanding paper with high coarseness and high removal of material
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal

	Dimensions mm	Grit	Sales unit	Order no.
	<b>Sanding belts 75 x 533 mm</b>			
	75 x 533	P 40	3	6.31001*
	75 x 533	P 60	3	6.31002*
	75 x 533	P 80	3	6.31003*
	75 x 533	P 100	3	6.31004*
	75 x 533	P 120	3	6.31005*
	75 x 533	P 180	3	6.31006*
	75 x 533	P 240	3	6.31007*
	75 x 533	P 320	3	6.31008*
	75 x 533	P 40	10	6.25929
	75 x 533	P 60	10	6.25930
	75 x 533	P 80	10	6.25931
	75 x 533	P 100	10	6.25932
	75 x 533	P 120	10	6.25933
	Assortment (1 each of P60, P80, P100)			6.25928*
	<b>Sanding belts 75 x 575 mm</b>			
	75 x 575	P 40	3	6.25940*
	75 x 575	P 60	3	6.25941*
	75 x 575	P 80	3	6.25942*
	75 x 575	P 100	3	6.25943*
	75 x 575	P 120	3	6.25944*

Additional accessories for belt sanders

	Order no.
 <p><b>Sanding frame</b>                      ■ For accurate sanding of flat surfaces with the belt sander Ba E 1075</p>	6.31033
 <p><b>Length guide</b>                      ■ For stationary use of the sander, can be tilted up to 45° for sanding bevels</p>	6.31032
<p><b>Bases for sanding belt</b>                      ■ Made from graphite-coated fabric; suitable for Ba E 1075                      Sales unit: 2</p>	6.31034
<p><b>Base for sanding belt</b>                      ■ Comprising: spring sheet-steel with cork lining for rough sanding work with rapid material removal; suitable for Ba E 1075                      Sales unit: 1</p>	6.31037
 <p><b>Bases for sanding belt</b>                      ■ Made from graphite-coated fabric; granular version; Dimensions 84 x 160 mm; suitable for BAE 75                      Sales unit: 2</p>	6.31114*

\* Self-service packaging



#### Technical data

#### Router and Grinder Motor FME 737

No-load speed	13,000 - 34,000 /min
Rated input power	710 W
Output power	430 W
Speed at rated load	24,000 /min
Collet bore of the collet chuck	8 mm
Collar diameter	43 mm
Weight without mains cable	1.4 kg
Cable length	4 m

#### Scope of delivery

Order no.	6.00737
2 open-jawed spanners	■

#### Product advantages

- Robust aluminium die cast bearing flange
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Vario-Constamatic (VC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Thumbwheel for preselection of speed
- Auto-stop carbon brushes to protect the motor
- Motor can be upgraded to a router using the router attachment 6.31501
- Suitable for actuating flexible shafts
- Metabo Maraton motor with patented dust protection for long service life
- Electronic safety shutdown of the motor if the tool jams for safe working
- No-volt release switch: prevents unintentional startup after power cut
- Electronic overload protection for long service life

#### System components

332 → Accessories

393 → Extraction systems



#### Technical data

#### Router OFE 738

Max. plunge depth	50 mm
No-load speed	13,000 - 34,000 /min
Rated input power	710 W
Output power	430 W
Speed at rated load	24,000 /min
Collet bore of the collet chuck	8 mm
Collar diameter	43 mm
Weight without mains cable	3 kg
Cable length	4 m

#### Scope of delivery

Order no.	6.00738
Parallel guide/ripping fence	■
Extraction connector	■
Open-jawed spanner	■

#### Product advantages

- Robust and torsion-resistant 2-column guide for highest precision
- Robust aluminium die cast bearing flange
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Spindle lock for easy router bit change
- Vario-Constamatic (VC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Thumbwheel for preselection of speed
- Aluminium die cast base plate with coating for easy sliding
- Auto-stop carbon brushes to protect the motor
- Can also be used on the guide track using an intermediate plate 6.31213
- Bayonet fitting of the motor in milling attachment; suitable for use with flexible shafts
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Metabo Maraton motor with patented dust protection for long service life
- Electronic safety shutdown of the motor if the tool jams for safe working
- No-volt release switch: prevents unintentional startup after power cut
- Electronic overload protection for long service life

#### Technical data

Max. plunge depth	50 mm
No-load speed	5,000 - 25,500 /min
Rated input power	1,200 W
Output power	780 W
Speed at rated load	25,500 /min
Collet bore of the collet chuck	8 mm
Weight without mains cable	3.5 kg
Cable length	4 m

#### Scope of delivery

Order no.	6.01229
Fine adjustment parallel guide/ripping fence	■
Dial gauge for fine adjustment	■
Extraction connector	■
Open-jawed spanner	■

#### Product advantages

- Dial gauge for fine tuning the moulding/routing depth with 0.1 mm precision
- Three-level stop to preselect up to 3 different moulding/routing depths
- Robust and torsion-resistant 2-column guide for highest precision
- Robust plastic-covered aluminum die cast bearing flange
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Spindle lock for easy router bit change
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Thumbwheel for preselection of speed
- Electronic overload protection for long service life
- Overload protection: protects the motor from overload
- Aluminium die cast base plate with coating for easy sliding
- Auto-stop carbon brushes to protect the motor
- Precise parallel guide/ripping fence guided in prisms with fine adjustment for precise milling
- Can also be used on the guide track using an intermediate plate 6.31213
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### System components

332 → Accessories

393 → Extraction systems



#### Technical data

#### Router Of E 1229 Signal

Max. plunge depth	50 mm
No-load speed	5,000 - 25,500 /min
Rated input power	1,200 W
Output power	780 W
Speed at rated load	25,500 /min
Collet bore of the collet chuck	8 mm
Weight without mains cable	3.5 kg
Cable length	4 m

#### Scope of delivery

Order no.	6.01229
Fine adjustment parallel guide/ripping fence	■
Dial gauge for fine adjustment	■
Extraction connector	■
Open-jawed spanner	■

#### Product advantages

- Dial gauge for fine tuning the moulding/routing depth with 0.1 mm precision
- Three-level stop to preselect up to 3 different moulding/routing depths
- Robust and torsion-resistant 2-column guide for highest precision
- Robust plastic-covered aluminum die cast bearing flange
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Spindle lock for easy router bit change
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Thumbwheel for preselection of speed
- Electronic overload protection for long service life
- Overload protection: protects the motor from overload
- Aluminium die cast base plate with coating for easy sliding
- Auto-stop carbon brushes to protect the motor
- Precise parallel guide/ripping fence guided in prisms with fine adjustment for precise milling
- Can also be used on the guide track using an intermediate plate 6.31213
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### System components

332 → Accessories

393 → Extraction systems

Collets

for OFE 738, Of E 1229 Signal, FME 737

	
<b>Collet bore</b>	<b>Order no.</b>
3 mm	6.31947*
1/8" (3.18 mm)	6.31948*
6 mm	6.31945*
8 mm	6.31946*
1/4" (6.35 mm)	6.31949*

For Of E 1812

	
<b>Collet bore</b>	<b>Order no.</b>
8 mm	6.31567

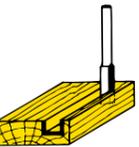
For Of 400

	
<b>Collet bore</b>	<b>Order no.</b>
6 mm	6.30710

Routers

Router bits with 8 mm shank diameter

■ The router bits with two cutters are not suitable for free-hand working with the router/die grinder OFE 738/FME 737

Version	Diameter mm	Overall length mm	Useable length mm	Angle	Order no.
<b>Straight bit</b>					
					
HM	3	51	11		6.31630*
HM	4	51	11		6.31631*
HM	5	51	11		6.30936*
HM	6	50	19		6.30937*
HM	8	50	20		6.30938*
HM	10	50	20		6.30939*
HM	12	52	20		6.30940*
HM	14	52	20		6.31632*
HM	16	52	20		6.30941*
HM	18	52	20		6.31633*
HM	20	52	20		6.30942*
HM	22	57	25		6.31634*
HM	24		20	15	6.31635*
HM	25	57	10		6.31636*

\* Self-service packaging

Accessories for routers OFE 738 and Of E 1229 Signal

	<b>Parallel guide</b> ■ Parallel guide with fine adjustment for routers OFE 738 and Of E 1229 Signal (supplied as standard)	<b>Order no.</b> 6.31507
	<b>Guide with guide roller</b> ■ For fitting on the parallel guide/ripping fence of routers OFE 738 and Of E 1229 Signal, for moulding/routing curved edges	6.30360
	<b>Circle-cutting centering pin</b> ■ For using in the parallel guide/ripping fence of routers OFE 738 and Of E 1229 Signal, for milling circular grooves and similar work	6.31504
	<b>Mitre guide</b> ■ Provides particularly good guidance for the routers OFE 738 and Of E 1229 Signal when working on the edges of boards and panels, (e.g. for cutting recesses for furniture fittings and mortise locks, or grooves for tongued edging strips)	6.30103
	<b>Intermediate plate</b> ■ For fixing on the base plate of routers OFE 738 and Of E 1229 Signal, especially suited for trimming edging strips flush with edges	6.31503
	<b>Circle-cutting guide</b> ■ For cutting out round openings, moulding/routing circular grooves, rounding off corners, etc., maximum circle diameter 350 mm	6.31505

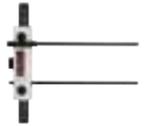
Template followers

	■ For engraving text etc. using a template clamped on to the workpiece
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<b>Diameter mm</b>	<b>Order no.</b>
9	6.30105
11	6.30106
17	6.30118
24	6.30119
27	6.30120
30	6.30121

Precision guide rail

	<b>Precision guide rail</b> ■ Guide rail made of sturdy, anodised aluminium extrusion ■ Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches ■ Guide Rail, adjustable to eliminate play suitable for: Metabo jigsaws, circular saws and router models OFE 738 and Of E 1229 Signal (when using the appropriate accessories; KS 55 FS, KSE 55 Vario Plus, KS 66 Plus, KSE 68 Plus can be used directly) Overall length: 1,500 mm	<b>Order no.</b> 6.31213
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Router guide		Order no.
	<b>Router guide</b> ■ Enables moulding/routing with routers OFE 738 and Of E 1229 Signal along the precision guide rail 6.31250/6.31213 For these tasks the 6.31503 intermediate plate must be fitted to the router's base plate	6.31248

Other accessories for FME 737

Moulding/routing attachment		Order no.
	<b>Moulding/routing attachment</b> ■ With this moulding/routing attachment, router and grinder motor FME 737 can be converted into a router	6.31501

Flexible shafts						
Suitable for routers	Suitable for die grinders	Length m	Driving shaft mm	Collet bore	Weight kg	Order no.
FME 737	G 500, GE 700, GE 900 Plus	1.3	6	6 mm	0.8	6.27609*
FME 737	G 500, GE 700, GE 900 Plus	1.3	8	8 mm	0.8	6.30980*

Collets for flexible shafts		Order no.
Collet bore		
	Collets for flexible shaft 6.30980	
	3 mm	6.30976
	6 mm	6.30977
	8 mm	6.30979
	Collets for flexible shaft 6.27609	
	6 mm	6.30714
	3 mm	6.30715

Clamping stand		Order no.
	<b>Clamping stand</b> ■ For clamping drills and impact drills as well as the router motor when working with the flexible shafts ■ Locating bore Ø 43 mm	6.27354*

Clamp		Order no.
	<b>Clamp</b> ■ For the secure fitting on a work table	6.27107*

\* Self-service packaging



Technical data

Technical data	Paint Remover LF 724 S
Torque	2 Nm
Cutting edge cycle	80 mm
Maximum notch depth	unlimited
Lateral milling height	28 mm
Axial routing depth	0 - 0.3 mm
Radial routing depth	0.15 mm
Rated input power	710 W
Output power	400 W
No-load speed	10,000 /min
Speed at rated load	6,700 /min
Weight without mains cable	2.4 kg
Cable length	4 m

Scope of delivery

Order no.	6.00724 <sup>1)</sup>
4 reversible carbide blades	■
Extraction connector	■
Adjusting wrench with handle	■
Combo-spanner	■
Plastic carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Only from Metabo: The problem solver for renovation work. Up to 70% time saving compared to conventional working methods
- For the environmentally-friendly removal of paint and varnish from even wooden surfaces, such as stairs, doors and windows.
- Suitable for processing untreated wood
- Suitable for processing notches by virtue of lateral blades
- Variably adjustable milling depth
- Aluminium gear housing for optimum heat dissipation and durability
- Carbide reversible blade, can be used on four sides for a long service life
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

System components

336 ▶ Accessories

393 ▶ Extraction systems

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Reversible carbide blades



Sales unit	Order no.
4	6.31720*
10	6.31660*

Parallel guide/ripping fence



Parallel guide/ripping fence

Order no.
6.31865

Suction hose



**Suction hose**  
 ■ With connector Ø 58 mm for bayonet fitting and rubber connector (internal Ø 30 mm, external Ø 35 mm)  
 Connector Ø 58 / 35 mm  
 Hose length: 3.5 m  
 Suction hose-Ø: 27 mm

Order no.
6.31938



Technical data

Planer  
Ho 0882

Planing width	82 mm
Adjustable planing depth	0 - 3 mm
Maximum notch depth	23 mm
No-load speed	12,000 /min
Rated input power	800 W
Output power	430 W
Speed at rated load	8,200 /min
Length of planer base	290 mm
Weight without mains cable	3.6 kg
Cable length	2.5 m

Scope of delivery

Order no.	6.00882 <sup>1) 2)</sup>
Reversible carbide planer blades	■
Guide fence	■
Groove depth stop	■
Extraction connector	■
Hexagonal wrench	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Robust and powerful planer with long planer base
- Easy blade change of the robust reversible carbide planer blades
- Adjustable planer depth and notch depth
- Aluminum die cast and milled cut planer base with V-groove for easy chamfering
- Chip ejection either right or left for comfortable working
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Strap on the planer base for stopping the machine and to protect the work piece

System components

338 ▶ Accessories

393 ▶ Extraction systems

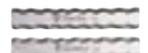
\* Self-service packaging

Planer blades

Reversible carbide planer blades

	Order no.
 <b>Reversible carbide planer blade</b> Consisting of 2 reversible carbide planer blades; as spare	6.30282*
 <b>Reversible carbide planer blade</b> Consisting of 10 reversible carbide planer blades	6.30272

HS (HSS) reversible planer blades with serrated edge

	Order no.
 <b>HSS reversible planer blade</b> Consisting of 2 HSS reversible planer blades with serrated edge (without pressure pads); as spare	6.30566*

Additional accessories for planers

	Order no.
 <b>Chip bag</b> ■ For collecting small amounts of shavings	6.30888
 <b>Clamp bracket for planer</b> ■ For stationary use of the planer (as surface planer) ■ Clamp 6.27107 for fastening the stand securely on a workbench	6.31599*
 <b>Clamp</b> ■ For the secure fitting on a work table	6.27107*



Saws

\* Self-service packaging



Technical data	Cordless Circular Saw KSA 18 LTX
Battery pack type	Li-Ion
Battery pack voltage	18 V
Bevel range from / to:	0 °/+ 50 °
Adjustable cutting depth	0 - 53.5 mm
Max. cutting depth at 90°	53.5 mm
Max. cutting depth at 45°	42 mm
Saw blade Ø x drilling	Ø 165 x 16 mm
No-load speed	2.700 /min
Weight (with battery pack)	4.3 kg

**Scope of delivery**

Order no.	6.02268
Carbide circular saw blade (18 teeth)	■
Parallel guide/ripping fence	■
Hexagonal wrench	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 »AIR COOLED«	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Integrated LED work light for optimum illumination of the cutting line
- Brake area stops the saw blade particularly quickly and improves safety
- Large range of applications thanks to angled cuts up to 50°
- Precise cuts with guide rail 6.31213 and matching adapter 6.31019 (accessory)
- Battery packs with capacity display for checking the charge status

**System components**

344 → Accessories | 66 → Battery packs | 393 → Extraction systems



Technical data	Circular Saw KS 55	Circular Saw KS 55 FS
Rated input power	1.200 W	1.200 W
Output power	670 W	670 W
Max. cutting depth at 90°	55 mm	55 mm
Max. cutting depth at 45°	39 mm	39 mm
Saw blade Ø x drilling	Ø 160 x 20 mm	Ø 160 x 20 mm
Bevel range from / to:	0 °/+ 47 °	0 °/+ 47 °
No-load speed	5.600 /min	5.600 /min
Speed at rated load	4.400 /min	4.400 /min
Cutting speed at rated load	37 m/s	37 m/s
Torque	5 Nm	5 Nm
Weight without mains cable	4 kg	4 kg
Cable length	4 m	4 m

**Scope of delivery**

Order no.	6.00855	6.00955
Carbide circular saw blade (18 teeth)	■	■
Parallel guide/ripping fence	■	■
Extraction connector	■	■
Hexagonal wrench	■	■

**Product advantages**

- Light, compact circular saw for universal construction site use
- Robust circular saw, can be used directly on Metabo guide rails and rails of other manufacturers
- Light guide plate made from die cast aluminium
- Adjustment of machine without tools for using on the precision guide rail 6.31213
- Grip area with non-slip softgrip surface
- Clearly visible cutting indicator for sawing after initial cut
- 0° position re-adjustable for highest cutting precision
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

**System components**

344 → Accessories | 393 → Extraction systems

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Technical data	Plunge Cut Circular Saw KSE 55 Vario Plus
Rated input power	1.200 W
Output power	700 W
Max. cutting depth at 90°	55 mm
Max. cutting depth at 45°	40 mm
Saw blade Ø x drilling	Ø 160 x 20 mm
Bevel range from / to:	0 °/+ 45 °
No-load speed	2.000 - 5.200 /min
Speed at rated load	5.200 /min
Cutting speed at rated load	44 m/s
Torque	5 Nm
Weight without mains cable	3.7 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.01204
Carbide circular saw blade (42 teeth)	■
Parallel guide/ripping fence	■
Extraction connector	■
Hexagonal wrench	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Combined plunge cut circular saw – two high-quality functions in one machine
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the saw blade jams for safe working
- Convenient saw blade change due to simultaneous pendulum saw guard and saw blade stop
- Particularly light due to magnesium die-cast saw housing and guide plate
- Grip area with non-slip softgrip surface
- Sawing close to wall possible
- Precise, double-guided aluminium parallel guide makes cutting to size easier
- Clearly visible cutting indicator for sawing after initial cut
- 0° position re-adjustable for highest cutting precision
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Overload protection: protects the motor from overheating
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Controllable chip ejection by means of rotating extraction nozzle
- Auto-stop carbon brushes to protect the motor
- Adjustment of machine without tools for using on the precision guide rail 6.31213

**System components**

344 → Accessories | 393 → Extraction systems



Technical data	Circular Saw KS 66	Circular Saw KS 66 Plus	Circular Saw KSE 68 Plus
Rated input power	1.400 W	1.400 W	1.600 W
Output power	800 W	800 W	850 W
Max. cutting depth at 90°	66 mm	66 mm	68 mm
Max. cutting depth at 45°	47 mm	47 mm	48 mm
Saw blade Ø x drilling	Ø 190 x 30 mm	Ø 190 x 30 mm	Ø 190 x 30 mm
Bevel range from / to:	0 °/+ 45 °	0 °/+ 45 °	0 °/+ 45 °
No-load speed	4.200 /min	4.200 /min	2.000 - 4.200 /min
Speed at rated load	3.200 /min	3.200 /min	4.200 /min
Cutting speed at rated load	32 m/s	32 m/s	42 m/s
Torque	9 Nm	9 Nm	11 Nm
Weight without mains cable	5.5 kg	5.5 kg	5.6 kg
Cable length	4 m	4 m	4 m

**Scope of delivery**

Order no.	6.00542 <sup>1) 2)</sup>	6.00544	6.00545
Carbide circular saw blade (14 teeth)	■	■	■
Parallel guide/ripping fence	■		
Aluminium parallel guide		■	■
Hexagonal wrench	■	■	■

Equipment variants can be found in the Metabo price list and on the internet

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Precise cuts with guide rail 6.31213 and matching adapter (accessory)
- Sturdy guide plate made from die cast magnesium
- Grip area with non-slip softgrip surface
- Adjustment of machine without tools for using on the precision guide rail 6.31213
- Brake area for more safety with quick saw blade stop
- Sturdy guide plate made from die cast magnesium
- Grip area with non-slip softgrip surface
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Overload protection: protects the motor from overheating
- Adjustment of machine without tools for using on the precision guide rail 6.31213
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive if the saw blade jams for safe working
- Clearly visible cutting indicator for sawing after initial cut
- 0° position re-adjustable for highest cutting precision
- Lubrication system for long service life of the gear
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Controllable chip ejection by means of rotating extraction nozzle
- Auto-stop carbon brushes to protect the motor

**System components**

344 → Accessories | 393 → Extraction systems

# Circular saw blades: Long service life and precise, clean cuts

The best cuts can be achieved with a harmonised system consisting of circular and quality saw blades. Metabo carbide circular saw blades offer precise and clean cuts thanks to lasered expansion slots and ground carbide teeth. They are manufactured in accordance with Metabo quality specifications so that they achieve best work results in combination with our machines. The quality products offer a long service life and save you money.

## Application profiles of the Metabo circular saw blades

### Precision laser saw blades

have a higher bonding strength than stamp-cut saw blades thanks to the due to their high face and rotation accuracy for more precise cuts

### Lasered expansion slots

ensure low-noise and low-vibration operation.

### Very high service life

is achieved by the use of pure-grade carbides.

### Extremely long-lasting

due to a tenfold plus re-sharpening potential.

**Our full range is clearly structured. We divide into Power Cut, Precision Cut and Multi Cut. Thus making selecting the ideal saw blade easy.**

### power cut



- For fast coarse and semi-fine cuts with continuous feed for low performance requirements
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible

### precision cut



- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or transverse cutting in softwood and hardwood
- Well suited for solid and plywoods, chipboards untreated, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

### multi cut



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. laminate, plastic, aluminium, copper and bronze materials
- Ideally suited for many applications in interior work
- Perfect cutting results, also on transverse cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance

## Technical characteristics of the circular saw blades



### The rake angle

The rake angle influences the cut quality, feed and cutting forces. It always correlates to the desired entry and exit angles to the workpiece.

The size of the front rake angle depends on:

- The material to be processed (front rake angle decreasing: softwoods - hardwoods - chip materials - non-ferrous metals)
- The respective cutting quality required on one or both edges
- The blade projection and tool diameter



### Positive and negative rake angle

Positive rake angle:

- Easy cutting action - fast cutting
- Cutting power in the direction of the workbench (handheld circular saw)
- Workpiece edge clean on the underside, without splinter guard poor on the upside

Negative rake angle:

- More difficult cutting process - higher cutting power required from machine
- Cutting force in the direction of the workpiece support (crosscut saws)
- Workpiece edge on the upper side better than on the underside



### The clearance angle

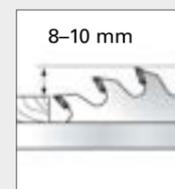
If the clearance angle is too low, chip removal by the next tooth is not possible. A large clearance angle facilitates large chip removal. This is necessary for greater feeds. Small

clearance angles allow only minimal chip removal with smaller feeds. This is selected when stable teeth are required.



### Entry and exit angles on the workpiece

In most cases (and in particular for circular saws), the exit angle is unfavourable as opposed to the entry angle. For this reason the "good side" should be positioned upside down.



### Saw blade projection

With increasing saw blade projection, the quality on the exit side decreases. It does not however improve on the entry side, due to the lack of guidance effect. The ideal saw blade projection is between 8 and 10 mm.

## Tooth forms on the circular saw blades



### WZ alternately bevel-ground tooth

- Exceptionally clean cuts in all softwoods and hardwoods, wood-fibre, laminate and plastic materials
- Easy to sharpen.
- With negative rake angle: Use on crosscut saws



### FZ flat tooth

- Ideal for fast and coarse lengthwise cuts in solid wood
- Simple to maintain



### FZ/TZ flat/trapezoid tooth

- Ideal for aluminium, copper and brass facing, plastic, coated chipboard and MDF boards and other wooden materials
- Very clean cuts
- With negative rake angle: Use on crosscut saws



### FZ/FA flat tooth/chamfered flat tooth

- Used primarily for construction site and table circular saws, but also for high-output circular hand saws
- Perfectly suited for construction wood, plywood boards (also with nails and concrete residue), chipboards
- Extremely robust teeth



### DZ/HZ roof/hollow tooth

- Ideal for boards coated on both sides
- Very precise and splinter-free cuts



### SP/NV pointed tooth, KV wolf tooth

- Used for construction site circular saws and log cutting saws or high-performance table saws
- Tooth shape only with circular saw blades made from chrome-vanadium steel

## Designation of the circular saw blades

Example:

**HW/CT 250 x 2.8/2.0 x 30; Z-80 FZ/TZ 5° neg; 2 NL**

HW/CT = wolfram/carbide tipped

Other material descriptions:

CV = chrome vanadium steel

250 = diameter in mm

2.8 = cutting width in mm

2.0 = thickness of base body in mm

30 = diameter of the bore

Z=80 = number of teeth

FZ/ TZ = flat trapezoid tooth shape

5° neg. = negative chip angle

2 NL = secondary hole holder

Which circular saw blade is suited to which machine?

Ø Ø Bo	Ø Ø Bo	Ø Ø Bo	Ø Ø Bo
<b>AEG</b>			
HK 46 N	150 20		
AHK 52, H 50, HK 45/45 A/46 N/46 S/50/52/717/727/737, HKS 52	152 20		
HK 160 A/160 B/55/55 A/ 55 B, HKS 55, K 55/55 E, CS 55, K 55 S/55 SE	160 20		
HK 66/66 E, KS 66 S	190 30		
HKE 66, HKS 65 A, K 66 E, CS 66, K 66 S/66 SE	190 30		
HK 190, HK 65, HKSE 66	190 30		
HK 75, CS 75, HK 75 A, HKS 75	210 30		
HKS 35/85	230 30		
MK 65	250 30		
<b>Atlas Copco</b>			
SGS 66 Q	190 30		
K 66 SE	190 30		
HK 75	210 30		
K 55 S	160 20		
MS 3 C	250 30		
<b>Milwaukee</b>			
CS 55	160 20		
SCS 65 Q	190 30		
CS 75	210 30		
MS 3 C	250 20		
<b>Alko</b>			
Pro 250 GK	250 20		
Pro-X, Holzmeister H/S/ NHS, Hobby, Basic, HS/3/4	315 30		
W 450/500	450 30		
W 50 Profil	500 30		
RM 60, W 60	600 30		
RM 70, R Z70, TWM 70, TWZ 70, W 70	700 30		
<b>Atika</b>			
Toptronic, PTK 250 S	250 30		
ATK 315H, BTA 90, HAT 315, HT 315	315 30		
ABH 400, ABK 400	400 30		
ABH 450, ABK 450, ATU, BWK 450	450 30		
ABH 500, ABK 500, BWK 500	500 30		
BWK 600	600 30		
T 250 N, TK 250	250 30		
T 250 ECO	250 30		
<b>Avola</b>			
LH 315, TZV 315	315 30		
ZB 400, ZBV 400	400 30		
ZB 450, ZBV 450, IC 450	450 30		
ZB 500, ZBV 550	500 30		
KWK 600, RK 600	600 30		
KWK 700	700 30		
TZH 350	350 30		
<b>BGU</b>			
WK 600 W, KS 600	600 30		
WK 780 W, KS 700	700 30		
RK 775, WK 700			
<b>Black &amp; Decker</b>			
BD 365, PL 41, KS 1500 LK	190 30		
DN 800/810, SEC 818, SR 700, BD 800	210 30		
BD 800, KS 810/805, HD 2075 S, P 3802	210 30		
<b>Bosch</b>			
GKS 55/55 CE (new)	190 30		
PKS 66	190 30		
GKS 65/66/66 CE/68 BC	190 30		
GKS 75 S	210 30		
GKS 85 S	230 30		
GCM 12	305 30		
PKS 55	160 20		
<b>DeWalt</b>			
DW 351	152 20		
DC930KA/KB	165 20		
D23650, DW 365/65/2365K	190 30		
DW 700/701/707, 712, 777	216 30		
DW 383, D 23700	235 30		
DW125/1251/150/1501/1503/ 702/703/250/252/320/1251/ 710/125/150/720/742/743/ 744/746/717/778/745	250 30		
1875, 2151, 2154, 2155, 1635-3L/-4L, 21553 3L, DW1370/160DS/305/ 8001/8002/8003	300 30		
142 DS, 160 DS, 1635, DW 810	300 30		
DW8101/8102/8103/721/ 722/725/726	300 30		
DW704/705/706/708/716/E/ 718, D27105, D27107, 780	305 30		
D27400	315 30		
DW1420S/1600S	350 30		
C14, 1635, 6L, 2155, 6	400 30		
163546+62, 2155-4+6, C	400 30		
6K/L, BK, DA 1635	500 30		
<b>Einhell</b>			
BHS 55, HK-G 55	160 20		
WIS 600/400	600 30		
WIS 700/400	700 30		
BT-TS 1500 U	250 30		
RT-CS 190/1	190 30		
RT-TS 1725 U	250 30		
BT-SM 2050	210 30		
RT-SM 305	210 30		
RT-SM 430	250 30		
<b>ELU</b>			
MH 18	150 20		
MH 151	150 20		
MH 165/265	190 30		
ETS 3002, RAS 1251/1253, TGS 170/171/172/173, ETS 21/23, TGS 271/273	250 30		
<b>Festool</b>			
AP 553, ATF 55 FS, AT 55 EFS/55 EB	160 20		
AP 55/55 E/55 EB	160 20		
ATF 55/55 E/55 EB, TS 55	160 20		
AT 65/65 E	190 30		
AT 65 FS, ATF 65 B/65 E, AT 66	190 30		
AP 65/65 E/65 EB	190 30		
TS 75	210 30		
Symetric SYM 70	216 30		
<b>Güde</b>			
GKS 1100 P, KT 210, GUKS	210 30		
GWS 600 EC	220 30		
GTKS 315	315 30		
QWS 600	600 30		
GWS 700	700 30		
GWS 700 EC	700 30		
GTKS 2200	315 30		
GKS 250 L, TK 2400, TKGS 1800	250 20		
GFO 1801	254 20		
GFO 1401	216 30		
<b>Hitachi</b>			
C6DA, FC6DA	160 20		
FC7SA, PSM-7, PSU-7	190 30		
C8U/FA, PSM-8, PSU-8	210 30		
C8FC, CSU, CU8	210 30		
C8FAFC/FS	216 30		
PSU13	315 30		
C7U2, C7BU2	190 30		
C 12 LCH, C 12 YA/YB	305 30		
<b>Holz-Her</b>			
1420, 2107, 2108, HKU264/50/550	160 20		
2103, 2104, 2105, 2106, AP 55 EB, ATF 55 EB	160 20		
2114, 2116, 2117, 2118, 2119, 2126, 2127, 2269, 282, 2214, DERBY, T65E	190 30		
2117, 2119, AP 65 EB, AT 65 EB	190 30		
2264, 2267, 2279, 2284, PKS267/284	210 30		
2120	230 30		
2294	230 30		
HKD85/275, PKS1210/ 1211/1212/1213/1214/ 1215/1220/5275/275	300 30		
HKS130/150/176/276	350 30		
HKS87K, HKS277/2137	400 30		
<b>Holzskraft</b>			
HWS 600	600 30		
HWS 700	700 30		
<b>Kress</b>			
CHKS 6055	160 20		
1500 KS, CHKS 6066	190 20		
<b>Mafell</b>			
A 55, B 55, FU 55, KSS 400, KSS 330, MKS 55, MS 55, MT 55, PS 52/5 S, X 55, XE 55, KST 55	160 20		
KSP 55/55 F, KST 55	160 20		
KS 320, PSS 3100	160 20		
KSP 65 F, MKS 65	190 30		
ERIKA 60, KS 65, MS 65	190 30		
MKS 75/85 S, MS 75	210 30		
KSP 85/85 F	230 30		
ERIKA 85 L, MKS 85 S, MS 85	250 30		
BIBER, BIBEREX, FS 85, MKS 105/105 E, MONIKA, TFK 85/8	315 30		
BSK 4/5/6, MKS 125, SF 32	350 30		
AZB, BK 3, FKB 150, FS 130 K/130 S, TD 3, TDH 4, TK 150, VKS 130/ 160, BSK 4	400 30		
THD 425, TFS 1305	400 30		
BK 4, BKV 4, BKS 5/6, FSG 165 K, MKS 185 E, TDH 450/5, FSG 200/240 K	450 30		
170, BKV5	500 30		
FSG 240, TSG 240	600 30		
<b>Makita</b>			
5600 BR/NB/RDW, SR 1600	160 20		
5603 R	165 20		
5604 R	165 20		
5017 RKB	165 30		
3501, 5800 RB	190 20		
5017 R	190 30		
5704 R	190 30		
5703 R	190 30		
2705 R	190 30		
LS 0810	210 30		
5903 R	235 30		
5900/BR, SR 2300	235 30		
5143 R	250 30		
5100 BR	315 30		
MS 1400	350 30		
<b>Posch</b>			
RZ 600	600 30		
R-700, RS 5, RZ4-700, RZ 700, TWEA-700CT, TWKE4-700, TWZ 700, WZ 700, WKE 5,5 700	700 30		
WE 5,5 700 C	700 30		
TWE 5,5 C, GS			
WKE 7,5 GS duo, RE 5,5 C			
<b>Ryobi</b>			
W 5502 C	160 20		
W 66613, W6615 X, WS 662, EWS 1366	190 30		
ETS 1525	254 30		
ETS 1526	254 30		
<b>Scheppach</b>			
TK 1685 Magnum, TS 4000, Duo 7.0, Bestcombi 7.0	300 30		
Capas 3, Capas 7.0	305 30		
Forsato XL/XXL, TS 315, TK, TKH, TKU, TS 4010, Tisa 5.0	315 30		
BSH 500/400	400 30		
BS 500, BSH 500, WS 500	500 30		
KE 6/60/6011, KH 6/60, KW 60/6011/611	600 30		
KD 2700, KE 70/70 M, KEZ 700, KH 70, KW 2700/70/70 M, KWZ 7/700	700 30		
Wox d700s	700 30		
Precisa 6.0	315 30		
Forsa 4.0/6.0, 8.0/9.0	315 30		
Structo 5.0/7.0	500 30		
Capas 5.0	254 30		
<b>SKIL</b>			
1873, 1131	210 30		
1524 H, 1526 H, 1873 H	210 30		
1866 H, 1886 H	230 30		
1525 H, 1985 U, 1986 U	235 30		
1899 H	250 30		
<b>Protool</b>			
CSP 55/56	160 20		
CSP 68	190 30		
CSP 132	350 30		

Ø Diameter in mm  
Ø Bo Bore diameter in mm

Circular saw blades, »power cut«

Circular saw blades for hand-held circular saws



- For coarse and semi-fine cuts with continuous feed. Ideal for low & high powered machines
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
152 x 2.4 x 20	HW/CT	12	FZ	1.6	15°	Ks 0852 S	6.28001*
160 x 2.2 x 20	HW/CT	10	WZ	1.4	22°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus, KS 55 / KS 55 FS	6.28002*
190 x 2.6 x 20	HW/CT	14	WZ	1.8	25°	Ks 1266 S / Ks 1468 S	6.28004*
190 x 2.2 x 30	HW/CT	14	WZ	1.4	25°	KS 66 / KS 66 Plus / KSE 68 Plus	6.28005*
190 x 2.2 x 30	HW/CT	16	FZ/FA	1.4	12°	KS 66 / KS 66 Plus / KSE 68 Plus	6.28006*
210 x 2.6 x 30	HW/CT	16	FZ	1.8	25°	Ks E 1678 S-Signal	6.28007*
230 x 2.6 x 30	HW/CT	18	FZ/FA	1.8	10°	KS 85	6.28010*
230 x 2.6 x 30	HW/CT	24	WZ	1.8	20°	KS 85	6.28011*

Circular saw blades for semi-stationary/stationary circular saws



- Carbide circular saw blades**
- For coarse and semi-fine cuts with continuous feed. Ideal for low & high powered machines
  - Good cutting results for straight cuts in solid wood
  - Partially suitable for construction wood with nails and concrete residue
  - On coated wood or other composites, only coarse cut quality is possible
  - Secondary hole holder for circular saw blades with Ø 216, 250, 254 and over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
210 x 1.8 x 30	HW/CT	24	WZ	1.4	5°	KS 210 / KGS 255	6.28008*
216 x 2.4 x 30	HW/CT	20	WZ	1.8	5° neg.	KS 216 / KGS 216 / KGS 216 Plus	6.28230*
216 x 2.4 x 30	HW/CT	24	WZ	1.8	5° neg.	KS 216 / KGS 216 / KGS 216 Plus	6.28009*
250 x 2.8 x 30	HW/CT	24	WZ	2	25°	PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310, PK 250	6.28012*
250 x 2.8 x 30	HW/CT	24	WZ	2	3° neg.	KS 250, KGS 301 / KGS 303 / KGS 331	6.28013*
254 x 2.4 x 30	HW/CT	40	WZ	1.6	20°	TS 254, TK 250	6.28025*
254 x 2.4 x 30	HW/CT	24	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 / KGS 254 Plus / KGS 254 I Plus	6.28220*
300 x 2.8 x 30	HW/CT	28	WZ	1.8	15°	PK 300 / PKV 300 G until 1996	6.28014
315 x 2.8 x 30	HW/CT	20	FZ	1.8	22°	TKHS 315, KGT 300	6.28015
315 x 3 x 30	HW/CT	24	WZ	2	20°	TKHS 315	6.28016
350 x 2.8 x 30	HW/CT	22	FZ	1.8	22°	TK 350 until 1983	6.28017
400 x 3.5 x 30	HW/CT	28	FZ/FA	2.5	10°	BKS 400	6.28018

**Chrome-vanadium circular saw blades**

- For coarse and semi-fine cuts with continuous feed. Ideal for low & high powered machines
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
315 x 1.8 x 30	CV	56	KV	1.8		TKHS 315	6.28100
315 x 1.8 x 30	CV	80	NV	1.8		TKHS 315	6.28101
350 x 1.8 x 30	CV	56	NV	1.8		TK 350 until 1983	6.28102
400 x 2 x 30	CV	56	KV	2		BKS 400	6.28105
450 x 2.5 x 30	CV	36	SP	2.5		BKS 450 Plus / BKH 450 Plus	6.28107
500 x 2.5 x 30	CV	56	KV	2.5		BW 500 until 1998	6.28108
600 x 2.8 x 30	CV	56	KV	2.8		BW 600	6.28109
700 x 2.8 x 30	CV	56	KV	2.8		BW 750 / BW 700 to 1993	6.28110

**Circular saw blades, »precision cut«****Circular saw blades for hand-held circular saws**

- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or transverse cutting in softwood and hardwood
- Well suited for solid and plywoods, chipboards untreated, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
160 x 1.6 x 20 / 16	HW/CT	24	WZ	1.1	22°	KSAP 18, KSA 18 LTX	6.28030*
160 x 2.2 x 20	HW/CT	24	WZ	1.4	20°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus, KS 55 / KS 55 FS	6.28031*
167 x 2.4 x 20	HW/CT	20	WZ	1.6	20°	Ks 1155 S	6.28032*
167 x 2.4 x 20	HW/CT	40	WZ	1.6	10°	Ks 1155 S	6.28033*
190 x 2.6 x 20	HW/CT	48	WZ	1.8	10°	Ks 1266 S / Ks 1468 S	6.28034*
190 x 2.2 x 30	HW/CT	48	WZ	1.4	15°	KS 66 / KS 66 Plus / KSE 68 Plus	6.28035*
210 x 2.6 x 30	HW/CT	56	WZ	1.8	10°	Ks E 1678 S-Signal	6.28040*
230 x 2.6 x 30	HW/CT	56	WZ	1.8	15°	KS 85	6.28044*

**Circular saw blades for semi-stationary/stationary circular saws**

- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or transverse cutting in softwood and hardwood
- Well suited for solid and plywoods, chipboards untreated, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor
- Secondary hole holder for circular saw blades with Ø 216, 250, 254 and over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
210 x 2.4 x 30	HW/CT	30	WZ	1.6	22°	PK 200 / UK 220	6.28036*
210 x 2.4 x 30	HW/CT	40	WZ	1.8	3°	KS 210 / KGS 255, PK 200 / UK 220	6.28037*
210 x 2.8 x 30	HW/CT	42	FZ/TZ	1.8	1° neg.	KS 210 / KGS 255, PK 200 / UK 220	6.28038*
210 x 2.4 x 30	HW/CT	42	WZ	1.6	22°	PK 200 / UK 220	6.28039*
216 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 216 / KGS 216 / KGS 216 Plus	6.28041*
220 x 2.4 x 30	HW/CT	36	WZ	1.6	10°	UK 290 / UK 333 / Secanta	6.28042*

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
220 x 2.6 x 30	HW/CT	48	DZ/HZ	1.6	10°	UK 290 / UK 333 / Secanta	6.28043*
250 x 2.8 x 30	HW/CT	34	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310	6.28045*
250 x 2.8 x 30	HW/CT	42	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310, PK 250	6.28046*
250 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 250, KGS 301 / KGS 303 / KGS 331	6.28047*
250 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 250, KGS 301 / KGS 303 / KGS 331	6.28048*
250 x 2.8 x 30	HW/CT	60	WZ	1.8	15°	TS 250, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310, PK 250	6.28049*
254 x 2.4 x 30	HW/CT	40	WZ	1.6	20°	TS 254, TK 250	6.28059*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 / KGS 254 Plus / KGS 254 I Plus	6.28221*
254 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 / KGS 254 Plus / KGS 254 I Plus	6.28222*
300 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	PK 300 / PKV 300 G until 1996	6.28051
300 x 2.8 x 30	HW/CT	72	WZ	1.8	10°	PK 300 / PKV 300 G until 1996	6.28053
305 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 305 Plus, KGS 305	6.28227*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 305 Plus, KGS 305	6.28228*
305 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KS 305 Plus, KGS 305	6.28229*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	1,5°	KGS 305	6.28054
305 x 2.4 x 30	HW/CT	80	WZ	1.8	5°	KGS 305	6.28055
315 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KGS 315 Plus, KGS 305	6.28224*
315 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KGS 315 Plus, KGS 305	6.28225*
315 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	TKHS 315	6.28056
315 x 2.8 x 30	HW/CT	48	WZ	1.8	0°	KGS 305, KGT 300, TKHS 315	6.28057
315 x 2.8 x 30	HW/CT	84	WZ	1.8	10°	KGS 305, KGT 300, TKHS 315	6.28058

**Circular saw blades »Classic« for semi-stationary/stationary circular saws**

- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or transverse cutting in softwood and hardwood
- Well suited for solid and plywoods, chipboards untreated, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
216 x 2.4 x 30	HW/CT	40	WZ	1.8	5° neg.	KS 216 / KGS 216 / KGS 216 Plus	6.28060*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 / KGS 254 Plus / KGS 254 I Plus	6.28061*

\* Self-service packaging

## Circular saw blades, »multi cut«

## Circular saw blades for hand-held circular saws



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. laminate, thin-walled plastic, aluminium, copper and bronze materials
- Ideally suited for many applications in interior work
- Perfect cutting results, also on transverse cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
150 x 2.4 x 20	HW/CT	36	WZ	1.6	10°	Ks 0852 S	6.28000*
152 x 2.4 x 20	HW/CT	54	FZ/TZ	1.6	5° neg.	Ks 0852 S	6.28070*
160 x 2.2 x 20	HW/CT	30	WZ	1.4	5°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus, KS 55 / KS 55 FS, KSA 18 LTX	6.28071*
160 x 2.2 x 20	HW/CT	42	WZ	1.4	15°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus, KS 55 / KS 55 FS	6.28072*
160 x 2.2 x 20	HW/CT	54	FZ/TZ	1.4	8°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus, KS 55 / KS 55 FS	6.28073*
167 x 2.4 x 20	HW/CT	42	FZ/TZ	1.6	6° neg.	Ks 1155 S	6.28074*
190 x 2.2 x 30	HW/CT	36	WZ	1.4	5°	KS 66 / KS 66 Plus / KSE 68 Plus	6.28075*
190 x 2.6 x 20	HW/CT	54	FZ/TZ	1.8	5° neg.	Ks 1266 S / Ks 1468 S	6.28076*
190 x 2.2 x 30	HW/CT	56	FZ/TZ	1.4	8°	KS 66 / KS 66 Plus / KSE 68 Plus	6.28077*
230 x 2.6 x 30	HW/CT	60	WZ	1.8	5°	KS 85	6.28085*

## Circular saw blades for semi-stationary/stationary circular saws



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. laminate, thin-walled plastic, aluminium, copper and bronze materials
- Ideally suited for many applications in interior work
- Perfect cutting results, also on transverse cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance
- Secondary hole holder for circular saw blades with Ø 216, 250, 254 and over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
210 x 2.6 x 30	HW/CT	54	FZ/TZ	1.8	5° neg.	KS 210 / KGS 255, Ks E 1678 S-Signal	6.28078*
210 x 2.8 x 30	HW/CT	60	WZ	2	5° neg.	KS 210 / KGS 255, Ks E 1678 S-Signal	6.28079*
210 x 2.4 x 30	HW/CT	64	WZ	1.6	10°	PK 200 / UK 220	6.28081*
210 x 2.4 x 30	HW/CT	64	FZ/TZ	1.6	5° neg.	KS 210 / KGS 255	6.28082*
216 x 2.4 x 30	HW/CT	60	FZ/TZ	1.8	5° neg.	KS 216 / KGS 216 / KGS 216 Plus	6.28083*
220 x 2.6 x 30	HW/CT	80	FZ/TZ	1.6	10°	UK 290 / UK 333 / Secanta	6.28084*
250 x 2.8 x 30	HW/CT	80	WZ	1.8	10°	KGT 500 / KGT 501 / KGT 550, TS 250, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310	6.28087*
250 x 2.8 x 30	HW/CT	80	FZ/TZ	2	5° neg.	KGS 301 / KGS 303 / KGS 331, KGT 500 / KGT 501 / KGT 550, TS 250, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310	6.28088*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.6	5°	TS 254, TK 250	6.28093*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.8	5° neg.	KS 254 Plus / KGS 254 / KGS 254 Plus / KGS 254 I Plus	6.28223*
300 x 2.8 x 30	HW/CT	96	FZ/TZ	2.2	6° neg.	PK 300 / PKV 300 G until 1996	6.28090
305 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305	6.28091
315 x 2.4 x 30	HW/CT	96	FZ/TZ	1.8	5° neg.	KGS 315 Plus, KGS 305	6.28226*
315 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305	6.28092

\* Self-service packaging

## Reducing rings for circular saw blades



## Reducing ring

- Ø 20 x 1.2 x 16 mm
- For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm

Order no.

6.23545

## Reducing ring

- Ø 30 x 1.2 x 16 mm
- For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm

6.23546

## Reducing ring

- Ø 30 x 1.2 x 20 mm
- For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm

6.23547

## Reducing ring

- Ø 30 x 1.2 x 25 mm
- For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm

6.23548

## Reducing ring

- Ø 30 x 1.6 x 16 mm
- For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm

6.23549

## Reducing ring

- Ø 30 x 1.6 x 20 mm
- For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm

6.23550\*

## Reducing ring

- Ø 30 x 1.6 x 25 mm
- For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm

6.23551\*

## Other accessories for circular saws

## Precision guide rail with accessories



## Precision guide rail

- Guide rail made of sturdy, anodised aluminium extrusion
  - Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches
  - Guide rule, adjustable to eliminate play
- suitable for: Metabo jigsaws, circular saws and router models OFE 738 and Of E 1229 Signal (when using the appropriate accessories; KS 55 FS, KSE 55 Vario Plus, KS 66 Plus, KSE 68 Plus can be used directly)  
Overall length: 1,500 mm

Order no.

6.31213.00



Guide rail with bag

6.31213.70

	<b>Connector</b> ■ For the trouble-free joining together of two precision guide rails 6.31213	Order no. 6.31211*
	<b>Set of two clamps</b> ■ For fixing the precision guide rail 6.31213 on the work piece or work table	6.31031*
	<b>Guide plate</b> ■ For use with the circular saws KSA 18 LTX, KSAP 18, KS 54 and KS 54 SP on the guide rail 6.31213. ■ Complete guide plate with 2 mounted aluminium threaded bushes for the circular saws	6.31019
	<b>Adapter</b> ■ For use with the KS 66 and KSE 68 Plus circular saws (old; Order No. 6.00543) on the 6.31213 guide rail.	6.31020

**Sawdust ejection nozzle**

	<b>Sawdust ejection nozzle</b> ■ Can be rotated ■ For fitting the suction hose to the circular saw KS 54 and KSE 55 Plus	Order no. 6.30924*
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**Suction hose**

	<b>Suction hose</b> With bayonet fitting and rubber connector (internal Ø 30 mm, external Ø 35 mm) Connector Ø 58 / 35 mm Hose length: 3.5 m Suction hose-Ø: 27 mm	Order no. 6.31938
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# Jigsaws: Slim handle, precise cuts

Precise, powerful and robust: Metabo's jigsaws deliver extraordinarily precise cuts. When it comes to ergonomics, the saws are the absolute top of the range thanks to their slim handle. High quality standards and details such as the stable design make the jigsaws particularly robust and durable. Therefore they are ideally suited for hard jobs on the construction site. We recommend our cordless jigsaws for curved cuts with directional changes.

**Ergonomic design**  
 It fits perfectly in your hand with only 195 mm circumference of the handle and is the slimmest one of its class



**Extensive electronic functions**  
 offer additional benefits by means of variable stroke, constant stroke control, no-volt release switch and automatic startup



**Metabo "Quick" quick saw blade change**  
 saw blade change in a matter of seconds without tools, plus ejection of hot saw blades

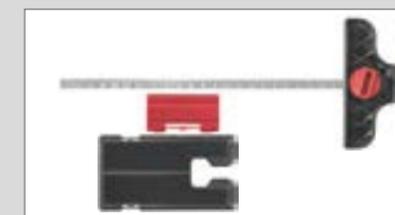
**High precision for any material**  
 by virtue of spring-supported, lowered saw blade guide roller

**Illumination of the cutting line**  
 Two very bright LEDs with unique motion activation illuminate the cutting line already before the cutting starts

**Base plate can be adjusted without tools**  
 with rest points at 0, 15, 30 and 45° for easy bevel cuts

**High-quality aluminium die-cast elements**  
 Gear housing, clamping lever and base plate made from aluminium - robust yet lightweight for tough applications on the construction site

STE 140 Plus



**Systematic sawing**  
 Extensive system accessories such as guide rail adapter, circle / parallel guide and different guard plates extend the range of application.



**Adjustable pendulum stroke**  
 Permits maximum sawing progress even for thick work pieces, best sawing results with minimum splinters, as well as gentle working e.g. in metals.



**Large selection of saw blades**  
 More than 80 different saw blades with coloured application guide permits optimum working in almost all materials.

\* Self-service packaging

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Technical data	Cordless Jigsaw STA 18 LTX	Cordless Jigsaw STA 18 LTX 140
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	18 V	18 V
Maximum thickness of material in		
- Wood	135 mm	140 mm
- NF metals	35 mm	35 mm
- Sheet steel	10 mm	10 mm
Bevel range from / to:	- 45 °/+ 45 °	+ 45 °/- 45 °
Orbital motion levels	4	4
Strokes at no load	0 - 2.700 /min	1.000 - 3.000 /min
Weight (with battery pack)	2.8 kg	2.9 kg

Scope of delivery	6.02298	6.01405
Order no.	6.02298	6.01405
Extraction nozzle		■
Protective glass		■
Plastic guard plate	■	■
Chip break guard plate	■	■
Hexagonal wrench	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
Charger ASC 30-36 »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Metabo "Quick" for changing saw blades without tools
- Close to workpiece saw blade guidance for precise cuts
- Bar handle with non-slip softgrip surface
- Vario (V)-electronics for working with customised strokes for the materials used
- Splinter-free and gentle sawing due to guard plate with chip break guard
- Extremely powerful jigsaw with VTC electronics for fast cuts into softwood of up to 140 mm
- Extremely handy due to small handle size and softgrip surface
- Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support
- Metabo "Quick" for changing saw blades without tools and with automatic ejection
- Convenient start automatic: automatic stroke acceleration when starting to saw
- Simple bevel cuts thanks to toolless adjustable footplate with rest points
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised strokes for the materials used that remain almost constant under load
- Switchable shaving blower function ensures free view of cutting line
- Integrated LED work light for illumination of the cutting line
- Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing.
- Battery packs with capacity display for checking the charge status

**System components**

359 → Accessories | 66 → Battery packs | 393 → Extraction systems



Technical data	Jigsaw STEB 70 Quick	Jigsaw STEB 80 Quick
Rated input power	570 W	590 W
Output power	335 W	350 W
Maximum thickness of material in		
- Wood	70 mm	80 mm
- NF metals	20 mm	25 mm
- Sheet steel	6 mm	8 mm
Swivel range from / to:	- 45 °/+ 45 °	- 45 °/+ 45 °
Orbital motion levels	4	4
Strokes at no load	900 - 3.300 /min	900 - 3.300 /min
Weight without mains cable	2 kg	2 kg
Cable length	2.4 m	2.4 m

Scope of delivery	6.01040 <sup>1)</sup>	6.01041
Order no.	6.01040 <sup>1)</sup>	6.01041
Extraction nozzle	■	■
Protective glass	■	■
Chip break guard plate	■	■
Hexagonal wrench	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Metabo "Quick" for changing saw blades without tools
- Low-lying saw blade guidance for precise cuts
- Bar handle with non-slip softgrip surface
- Switchable shaving blower function ensures free view of cutting line
- Vario (V)-electronics for working with customised strokes for the materials used
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Precision guide rail and guiding device available as accessory

**System components**

359 → Accessories | 393 → Extraction systems

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**Technical data**

**Jigsaw STE 90 SCS**

Rated input power	610 W
Output power	360 W
Maximum thickness of material in	
- Wood	90 mm
- NF metals	20 mm
- Sheet steel	6 mm
Bevel range from / to:	- 45 °/+ 45 °
Orbital motion levels	4
Strokes at no load	1.000 - 3.000 /min
Weight without mains cable	2.3 kg
Cable length	2.5 m

**Jigsaw STE 100 SCS**

Rated input power	630 W
Output power	380 W
Maximum thickness of material in	
- Wood	100 mm
- NF metals	25 mm
- Sheet steel	8 mm
Bevel range from / to:	- 45 °/+ 45 °
Orbital motion levels	4
Strokes at no load	1.000 - 3.000 /min
Weight without mains cable	2.3 kg
Cable length	2.5 m

**Scope of delivery**

Order no.	6.01042	6.01043 <sup>1)</sup>
Extraction nozzle	■	■
Protective glass	■	■
chip break guard plate	■	■
Hexagonal wrench	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Metabo "Quick" for changing saw blades without tools
- Low-lying saw blade guidance for precise cuts
- Metabo Straight Cut System SCS: a fin for use in the guide plate makes sawing straight ahead even easier
- Switchable shaving blower function ensures free view of cutting line
- Integrated LED work light for illumination of the cutting line
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised strokes for the materials used that remain almost constant under load
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Precision guide rail and guiding device available as accessory

**System components**

359 → Accessories | 393 → Extraction systems



**Technical data**

**Jigsaw STE 140**

Rated input power	750 W
Output power	420 W
Maximum thickness of material in	
- Wood	140 mm
- NF metals	35 mm
- Sheet steel	10 mm
Bevel range from / to:	- 45 °/+ 45 °
Orbital motion levels	4
Strokes at no load	1.000 - 3.100 /min
Weight without mains cable	2.5 kg
Cable length	4 m

**Jigsaw STE 140 Plus**

Rated input power	750 W
Output power	420 W
Maximum thickness of material in	
- Wood	140 mm
- NF metals	35 mm
- Sheet steel	10 mm
Bevel range from / to:	- 45 °/+ 45 °
Orbital motion levels	4
Strokes at no load	1.000 - 3.100 /min
Weight without mains cable	2.5 kg
Cable length	4 m

**Scope of delivery**

Order no.	6.01401	6.01403
Extraction nozzle		■
Protective glass		■
Plastic guard plate		■
Chip break guard plate		■
Hexagonal wrench	■	
Plastic carry case		■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Convenient start automatic: automatic stroke acceleration when starting to saw
  - Simple bevel cuts thanks to toolless adjustable footplate with rest points
  - Motion-controlled LED work light for optimum illumination of the cutting line
  - No-volt release switch: prevents unintentional startup after power cut
- 
- Extremely powerful jig saw with VTC electronics for fast cuts into softwood of up to 140 mm
  - Extremely handy due to small handle size and softgrip surface
  - Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support
  - Metabo "Quick" for changing saw blades without tools with automatic ejection
  - Switchable shaving blower function ensures free view of cutting line
  - Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised strokes for the materials used that remain almost constant under load
  - Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing.

**System components**

359 → Accessories | 393 → Extraction systems

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Technical data	Jigsaw STEB 140	Jigsaw STEB 140 Plus
Rated input power	750 W	750 W
Output power	420 W	420 W
Maximum thickness of material in		
- Wood	140 mm	140 mm
- NF metals	35 mm	35 mm
- Sheet steel	10 mm	10 mm
Bevel range from / to:	- 45 °/+ 45 °	- 45 °/+ 45 °
Orbital motion levels	4	4
Strokes at no load	1.000 - 3.100 /min	1.000 - 3.100 /min
Weight without mains cable	2.5 kg	2.6 kg
Cable length	4 m	4 m

Scope of delivery	6.01402 <sup>1)</sup>	6.01404 <sup>2)</sup>
Extraction nozzle		■
Protective glass		■
Plastic guard plate		■
Chip break guard plate		■
Hexagonal wrench	■	
Plastic carry case		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Convenient start automatic: automatic stroke acceleration when starting to saw
  - Simple bevel cuts thanks to toolless adjustable footplate with rest points
  - Motion-controlled LED work light for optimum illumination of the cutting line
  - No-volt release switch: prevents unintentional startup after power cut
  - Extremely powerful jig saw with VTC electronics for fast cuts into softwood of up to 140 mm
  - Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support
  - Metabo "Quick" for changing saw blades without tools and with automatic ejection
  - Switchable shaving blower function ensures free view of cutting line
  - Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working with customised strokes for the materials used that remain almost constant under load
  - Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing.

**System components**  
 359 ▶ Accessories | 393 ▶ Extraction systems

## Jigsaw blades



### Features of the Metabo jigsaw blades

#### Colour

The colour indicates for which material the blade is best suited.

<b>Yellow</b>	For wood
<b>Yellow with blue lettering</b>	For wood with nails
<b>Blue</b>	For metal
<b>Black</b>	For special applications

#### Basic blade material

**HCS** Carbon steel, for cutting soft wood, hardboards, plastics  
**HSS** High yielding high-speed steel, suitable for metal, aluminium work  
**BiM** Bi-metal is an especially flexible mix of HCS and HSS. The saw blades have a much higher life expectancy than HCS and HSS and have proven their worth when there is risk of the shaft breaking  
**Carbide** Carbide, these particularly high performing saw blades are suitable for stainless steels, fibreglass reinforced plastic, gypsum plaster or cement fibre boards. Saw blades with a carbide coating are suitable to cut ceramic tiles

#### Quality classes

»Classic« series	Good results and very good service life
»Professional« series	Fast, clean and precise angle-cutting with long service life
»Pionier« series	Quick through all materials
»Expert« series	For special applications

#### Version



<p><b>Teeth milled, offset for clearance gap</b>                  A relatively rough cut, fast progress in cutting on hard and soft wood, aluminium, non-ferrous metals and plastics</p>	<p><b>Teeth milled, waved for clearance gap</b>                  A fine cut with straight tool guidance in hard and soft wood, aluminium, non-ferrous metals and plastics</p>	<p><b>Teeth ground, offset for clearance gap</b>                  Fast cutting in hard and soft woods</p>	<p><b>Teeth ground, offset for clearance angle and clearance gap</b>                  Fine and clean cut in wood and plastics</p>
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#### Shank forms

The jigsaw blades from Metabo are produced with all shank forms matching the jigsaws of other brand names.

Single lug bayonet shank U-shank



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Wood

Order no. (corresponds to Bosch type)		6.23631 (T 119 B)	6.23920 (T 119 B)	6.23646 (T 119 BO)	6.23632 (T 111 C)	6.23633 (T 144 D)	6.23921 (T 144 D)	6.23649 (T 244 D)	6.23960 (T 244 D)	6.23678 (T 344 D)	6.23603 (T 744 D)	6.23651 (T 101 AO)	6.23634 (T 101 B)	6.23969 (T 101 B)	6.23650 (T 101 BR)	6.23635 (T 101 D)	6.23923 (T 101 D)	6.23654 (T 301 CD)	6.23694 (T 144 DP)	6.23679 (T 344 DP)	6.23685 (T 301 BCP)	6.23998 (T 308 B)	6.23976 (T 144 DF)	6.23933 (T 144 DF)	6.23980 (T 344 DF)	6.23695 (T 101 AOF)	6.23948 (T 101 AIF)	6.23975 (T 101 BF)	6.23686 (T 101 BRF)	6.23696 (T 301 CDF)	6.23977 (T 301 CLF)	6.23949 (T 111 HF)	6.23999 (T 308 BF)	6.23675 (T 234 X)				
Material to be processed		Jigsaw blades made of HSS														Jigsaw blades made of HSS										Jigsaw blades made of BiM												
Soft wood	< 15 mm	■	■	■								■																										□
	> 15 mm				■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■	■	■	■	■
Hard wood	< 20 mm	■	■	■								□																									□	
	> 20 mm				■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■	■	□													□	
Chipboard/wood core plywoods	< 20 mm	■	■	■								□																									□	
	> 20 mm				■	■	■	■	■	■	■		■	■	■		■	■	■	■	■	■	■														□	
Plastics	< 20 mm	■	■	■								■																									□	
	> 20 mm				■	□	□	□	□	□	□		■	■	■		□	□	□	□	□	□	□					□	■	■	■	■	□	■	■	■	■	
Building/construction wood	< 60 mm				□																																	
	> 60 mm									□	■																											
Coated boards	< 30 mm	□	□	□								□																										
	> 30 mm												□	□	□																						□	
Kitchen/worktops	< 30 mm	□	□	□																																		
	> 30 mm																																				□	
Laminates	< 20 mm	□	□	□																																		
	< 30 mm																																				□	
Wood + Metal, Wood + Nails	< 60 mm																																					

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Metal

Order no. (corresponds to Bosch type)		6.23636 (T 118 G)	6.23637 (T 118 A)	6.23924 (T 118 A)	6.23647 (T 218 A)	6.23926 (T 218 A)	6.23629 (T 318 A)	6.23638 (T 118 B)	6.23925 (T 118 B)	6.23697 (T 318 B)	6.23971 (T 118 AF)	6.23950 (T 118 AF)	6.23978 (T 318 AF)	6.23979 (T 318 BF)	6.23970 (T 118 EOF)	6.23973 (T 118 BF)	6.23929 (T 118 BF)	6.23604 (T 718 BF)	6.23972 (T 118 EF)	6.23676 (T 123 X)	6.23639 (T 127 D)	6.23648 (T 227 D)	6.23974 (T 127 DF)	6.23677 (T 345 XF)		
		Jigsaw blades made of HSS										Jigsaw blades made of BiM										BiM	HSS	BiM		
Steel sheets/ non-ferrous metals	< 1.5 mm	■		■		■							■									■				
	< 3.0 mm		■	■	■	■	■						■										■			
Pipes/Profiles	< 30 mm	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	> 30 mm						■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Aluminium/ non-ferrous metals	< 15 mm																					■	■	■	■	
	> 15 mm																						■	■	■	
Sandwich materials	< 65 mm	□	□	□	□	□	■	□	□	□	□	□	■	■	□	□	□	□	□	□	□	□	□	■		
	> 65 mm																							■		
Plastics	< 30 mm	□	□	□	□	□	□	□	□	□	□	□	■	■	□	□	□	□	□	□	□	■	■	■		
	> 30 mm						□			□														■		

↑ Always use coolant lubrication when sawing aluminium  
↑ Can also be used for wood

Special applications

Order no. (corresponds to Bosch type)		6.23662 (T 118 AHM)	6.23663 (T 118 EHM)	6.23687 (T 301 CHM)	6.23652 (T 141 HM)	6.23671 (T 341 HM)	6.23640 (T 101 A)	6.23641 (T 113 A)	6.23684 (T 313 AM)	6.23657 (T 130 Riff)	6.23658
Stainless steel sheets (Inox) non-ferrous metals	1-2 mm	■									
	2-4 mm		■								
Glass-fibre reinforced plastic/Corian	4-60 mm			■		■				■	■
	5-50 mm				■						
Gypsum plaster/cement fibreboard	5-80 mm										
Ceramics/Glass											
Plexiglass/Polycarbonate	2-20 mm						■				
Polystyrene/cardboard/leather/rubber/carpet	< 50 mm							■	■		

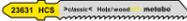
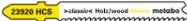
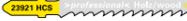
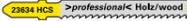
**Legend**  
 Progressively toothed = Tooth pitch ascending suitable for both thin and thick materials  
 reverse toothed = clean cutting edges at the top, caution: deactivate the pendulum action!  
 ■ Highly suitable  
 □ Only suitable under certain circumstances.

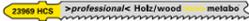
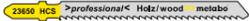
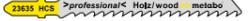
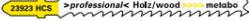
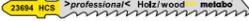
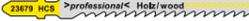
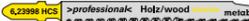
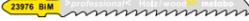
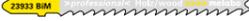
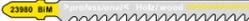
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Jigsaw blades

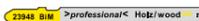
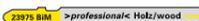
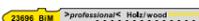
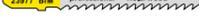
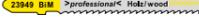
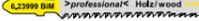
Jigsaw blades with single lug bayonet shank

■ Suitable for Metabo, AEG, Black & Decker, Bosch, DeWalt, Festo, Hitachi, Holz-Her, Kress, Makita, Skil ...

Version	Material	Useable length mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
<b>For wood, »classic« series</b>						
 23631 HCS	Hardwood, softwood, chipboards, wood-core plywood 2-15 mm, fibre boards 2-15 mm, plastics, insulating material					
Milled, wavy	HCS	51	2.0 mm	T 119 B	5	6.23631*
 23920 HCS	Hardwood, softwood, chipboards, wood-core plywood 2-15 mm, fibre boards 2-15 mm, plastic, insulation material, saw blades with immersion tip					
Milled, wavy	HCS	66	1.9 - 2.3 mm/ 13-11 TPI/ Progressive	T119B	5	6.23920*
 23646 HCS	Hardwood, softwood, chipboards, wood-core plywood 2-20 mm, fibre boards 2-20 mm, plastics, insulating material, especially for curved cuts					
Milled, wavy	HCS	51	2.0 mm	T 119 BO	5	6.23646*
					25	6.23605*
 23632 HCS	Hardwood, softwood, plastics 4-50 mm, for fast, rough cuts					
Milled, offset	HCS	74	3.0 mm	T 111 C	5	6.23632*
					25	6.23606*
<b>For wood, »professional« series</b> Fast, clean and precise with a long tool life						
 23633 HCS	Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, for quick cuts					
ground, offset	HCS	74	4.0 mm	T 144 D	3	6.23964*
					5	6.23633*
					25	6.23690*
					100	6.23712
 23921 HCS	Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, for quick cuts, saw blade with plunge tip					
ground, offset	HCS	74	4-5.2 mm/ 6-5 TPI/ Progressive	T 144 D	5	6.23921*
 23649 HCS	Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, especially for curved cuts					
ground, offset	HCS	74	4.0 mm	T 244 D	5	6.23649*
					25	6.23607*
 23960 HCS	Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, especially for curved cuts, saw blade with plunge tip					
ground, offset	HCS	74	4-5.2 mm/ 6-5 TPI/ Progressive	T 244 D	5	6.23960*
 23678 HCS	Hardwood, softwood, chipboards, wood-core plywood 2-15 mm, fibre boards, for quick cuts					
ground, offset	HCS	126	4.0 mm	T 344 D	5	6.23678*
 23603 HCS	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, construction wood, extra thick					
ground, offset	HCS	155	4.0 mm	T 744 D	5	6.23603*
 23651 HCS	Softwood, plywood, plastics 1.5-5 mm, especially for clean cuts, especially for curved cuts					
Clearance angle offset, pointed teeth	HCS	57	1.4 mm	T 101 AO	5	6.23651*
					25	6.23624*
 23834 HCS	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, plastics 3-30 mm, for clean cuts					
Clearance angle offset, tooth ground	HCS	74	2.5 mm	T 101 B	3	6.23961*

Version	Material	Useable length mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
					5	6.23634*
					25	6.23691*
					100	6.23703
 23969 HCS	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, plastics 3-30 mm, for clean cuts, saw blades with plunge tip					
Clearance angle offset, tooth ground	HCS	74	2.7 mm/ 9 TPI	T 101 B	5	6.23969*
 23650 HCS	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, coated boards 3-30 mm, for clean cuts, Caution: deactivate the pendulum action!					
Clearance angle, tooth ground reverse gear cutting	HCS	74	2.5 mm	T 101 BR	5	6.23650*
					25	6.23608*
 23635 HCS	Hardwood, softwood, chipboards, wood-core plywood 10-45 mm, fibre boards 10-45 mm, for clean cuts					
Clearance angle offset, tooth ground	HCS	74	4.0 mm	T 101 D	3	6.23962*
					5	6.23635*
					25	6.23609*
					100	6.23704
 23923 HCS	Hardwood, softwood, chipboards, wood-core plywood 10-45 mm, fibre boards 10-45 mm, for clean cuts, saw blade with plunge tip					
Clearance angle offset, tooth ground	HCS	74	4-5.2 mm/ 6-5 TPI/ Progressive	T 101 D	5	6.23923*
 23654 HCS	Hardwood, softwood, chipboards, wood-core plywood 4-60 mm, fibre boards 4-60 mm, for clean cuts					
Clearance angle offset, tooth ground	HCS	91	3.0 mm	T 301 CD	5	6.23654*
 23684 HCS	Hardwood, softwood, doors, kitchen counters 5-50 mm, for precise angle cuts, extra thick					
ground, offset	HCS	74	4.0 mm	T 144 DP	5	6.23694*
 23679 HCS	Hardwood, softwood, chipboards, wood-core plywood 5-100 mm, fibre boards 5-100 mm, for precise angle cuts, extra thick					
precision ground, tooth ground	HCS	104	4.0 mm	T 344 DP	5	6.23679*
 23685 HCS	Kitchen counters, hardwood 3-65 mm, softwood 3-65 mm, doors, for precise angle cuts, extra thick					
Clearance angle offset, tooth ground	HCS	91	2.5 mm	T 301 BCP	5	6.23685*
 6.23998 HCS	Perfect on both sides, splinter-free cutting result, Attention: deactivate pendulum stroke!, for fast cuts, hardwood					
Clearance angle offset, tooth ground	HCS	93	2.2 mm	T 308 B	5	6.23998*
<b>For wood, »professional« series, BiM</b> Fast, clean and precise with a very long tool life						
 23976 BiM	Hardwood, softwood, coated boards 5-50 mm, for quick cuts					
ground, offset	BiM	74	4.0 mm	T 144 DF	5	6.23976*
 23933 BiM	Hardwood, softwood, wood with nails, laminated board 5-50 mm, for quick cuts, saw blade with plunge tip					
ground, offset	BiM	74	4-5.2 mm/ 6-5 TPI/ Progressive	T 144 DF	5	6.23933*
 23980 BiM	Hardwood, softwood, coated boards 5-100 mm, for quick cuts					
ground, offset	BiM	126	4.0 mm	T 344 DF	5	6.23980*

\* Self-service packaging

Version	Material	Useable length mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
 <p>Especially for laminate, laminated flooring, hardwood, softwood, coated boards, plywood, especially for curved cuts, for clean cuts</p>						
Clearance angle offset, tooth ground, pointed teeth	BiM	57	1.4 mm	T 101 AOF	5	6.23695*
 <p>Especially for laminate, laminated flooring, hardwood, softwood, coated boards, plastics 2-30 mm, for clean cuts</p>						
Clearance angle offset, tooth ground, pointed teeth	BiM	74	1.7 mm	T 101 AIF	5	6.23948*
 <p>Hardwood, softwood, laminated flooring, coated boards, plastics 3-30 mm, for clean cuts, saw blade with plunge tip</p>						
Clearance angle offset, tooth ground	BiM	74	2.7 mm	T 101 BF	5	6.23975*
 <p>Especially for laminate, laminated flooring, kitchen counters 3-30 mm, coated boards, for clean cuts, Caution: deactivate the pendulum action!</p>						
Clearance angle, tooth ground reverse gear cutting	BiM	74	2.5 mm	T 101 BRF	5	6.23686*
 <p>Hardwood, softwood, coated boards 4-60 mm</p>						
Clearance angle offset, tooth ground	BiM	91	3.0 mm	T 301 CDF	5	6.23696*
 <p>Hardwood, softwood, chipboards, plywood 5-80 mm, fibreglass boards 5-30 mm, for quick cuts</p>						
Clearance angle offset, tooth ground	BiM	105	3.0 mm	T 301 CLF	5	6.23977*
 <p>Hardwood, softwood, wood with nails, non-ferrous metals, plastics</p>						
Ground	BiM	90	2.5 mm	T 111 HF	5	6.23949*
 <p>Perfect on both sides, splinter-free cutting result, for fast cuts, hardwood Caution: deactivate the pendulum action!</p>						
Clearance angle offset, tooth ground	BiM	93	2.2 mm	T 308 BF	5	6.23999*
<p><b>For wood, "pioneer" series</b> Quick and clean in all wood thicknesses</p>						
 <p>Hardwood, softwood, chipboards, wood-core plywood, fibre boards, for quick cuts</p>						
Clearance angle offset, tooth ground	HCS	91	2.0-3.0 mm, Progressive	T 234 X	5	6.23675*
					25	6.23617*
<p><b>Universal, "pioneer" series</b> For wood, metal, plastics</p>						
 <p>Wood, wood with nails, metal, non-ferrous metals, plastics</p>						
Offset, milled	BiM	106	2.4-5.0 mm, Progressive	T 345 XF	5	6.23677*
					25	6.23621*

Version	Material	Useable length mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
<p><b>For metal, »classic« series</b></p>						
 <p>Steel sheets 0.5-1.5 mm, non-ferrous metals</p>						
Milled, wavy	HSS	66	0.7 mm	T 118 G	5	6.23636*
					25	6.23693*
 <p>Steel sheets 1-3 mm, non-ferrous metals</p>						
Milled, wavy	HSS	51	1.2 mm	T 118 A	3	6.23965*
					5	6.23637*
					25	6.23692*
 <p>Steel sheets 1-3 mm, non-ferrous metals, saw blade with plunge tip</p>						
Milled, wavy	HSS	66	1.1-1.5 mm/ 23-17 TPI/ Progressive	T 118 A	5	6.23924*
 <p>Sheet steel 1-3 mm, non-ferrous metals, especially for curved cuts</p>						
Milled, wavy	HSS	51	1.2 mm	T 218 A	5	6.23647*
 <p>Sheet steel 1-3 mm, non-ferrous metals, especially for curved cuts, saw blade with plunge tip</p>						
Milled, wavy	HSS	66	1.1-1.5 mm/ 23-17 TPI/ Progressive	T 218 A	5	6.23926*
 <p>Steel sheets 1-3 mm, non-ferrous metals, sandwich materials</p>						
Milled, wavy	HSS	106	1.2 mm	T 318 A	5	6.23629*
					25	6.23623*
 <p>Steel sheets 2.5-6 mm, non-ferrous metals</p>						
Milled, wavy	HSS	51	2.0 mm	T 118 B	5	6.23638*
					25	6.23618*
 <p>Steel sheet 2.5-6 mm, non-ferrous metals, saw blade with plunge tip</p>						
Milled, wavy	HSS	66	1.9-2.3 mm/ 13-11 TPI/ Progressive	T 118 B	5	6.23925*
 <p>Steel sheets 2.5-6 mm, non-ferrous metals</p>						
Milled, wavy	HSS	106	2.0 mm	T 318 B	5	6.23697*
<p><b>For metal, »professional« series</b> Break-proof with long tool life</p>						
 <p>Steel sheets 1-3 mm, non-ferrous metals</p>						
Milled, wavy	BiM	51	1.2 mm	T 118 AF	5	6.23971*
 <p>Steel sheets 1-3 mm, non-ferrous metals, saw blade with plunge tip</p>						
Milled, wavy	BiM	66	1.1-1.5 mm/ 23-17 TPI/ Progressive	T 118 AF	5	6.23950*
 <p>Steel sheets 1-3 mm, sandwich materials 2-65 mm, non-ferrous metals, plexiglass</p>						
Milled, wavy	BiM	106	1.1 mm	T 318 AF	5	6.23978*
 <p>Steel sheets 2.5-6 mm, sandwich materials 2-65 mm, non-ferrous metals, plexiglass</p>						
Milled, wavy	BiM	106	1.8 mm	T 318 BF	5	6.23979*
 <p>Sheet steel 1.5 - 4 mm, especially for curved cuts</p>						
Milled, wavy	BiM	57	1.5 mm	T 118 EOF	5	6.23970*
 <p>Steel sheets 2.5-6 mm, non-ferrous metals</p>						
Milled, wavy	BiM	51	2.0	T 118 BF	5	6.23973*

\* Self-service packaging



Jigsaw blades with universal shaft

■ Suitable for Black & Decker, Skil, Kress and others

Version	Material	Useable length mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
<b>For wood, »classic« series</b>						
Hardwood, softwood, chipboards, wood-core plywood, fibre boards 5-50 mm, for clean cuts						
Milled, offset	HCS	74	3.0 mm	U 111 C	5	6.23945*
<b>For wood, »professional« series</b> Cleaner/quicker cut						
Hardwood, softwood, chipboard, wood-core plywood, fibreboard 5-50 mm						
ground, offset	HCS	82	4.0 mm	U 144 D	5	6.23944*
Hardwood, softwood, plywood, coated board 1.5-15 mm, especially for curved cuts						
Clearance angle offset, pointed teeth	HCS	52	1.3 mm	U 1 AO	5	6.23936*
Hardwood, softwood, chipboards, wood-core plywood, fibre boards 10-45 mm, for clean cuts						
Clearance angle offset, tooth ground	HCS	82	2.5 mm	U 101 B	5	6.23943*
Hardwood, softwood, chipboards, wood-core plywood, fibre boards 3-30 mm, for clean cuts						
Clearance angle offset, tooth ground	HCS	82	4.0 mm	U 101 D	5	6.23942*
<b>For wood, »professional« series, BiM</b> Fast with long tool life						
Hardwood, softwood, chipboards, wood-core plywood, fibre boards 3-30 mm, coated boards, for clean cuts						
Clearance angle offset, tooth ground	BiM	82	2.5 mm	U 101 BF	5	6.23905*
<b>For wood, "pioneer" series</b> Quick and clean in all wood thicknesses						
Hardwood, softwood, chipboards, wood-core plywood, fibre boards 2-65 mm, for quick cuts						
Clearance angle offset, tooth ground	HCS	90	2.0-3.0 mm, Progressive	U 234 X	5	6.23903*
<b>For wood and metal, "pioneer" series</b> For wood, metal, plastics						
Wood, wood with nails, metal, non-ferrous metals, plastics						
Milled, offset	BiM	107	2.4 - 5.0 mm, Progressive	U 345 XF	5	6.23906*
<b>For metal, »classic« series</b>						
Sheet steel, 0.5 - 1.5 mm,						
Milled, wavy	HSS	52	0.7 mm	U 118 G	5	6.23938*
Steel sheets 1-3 mm						
Milled, wavy	HSS	52	1.2 mm	U 118 A	5	6.23941*
Steel sheets, 2.5-6 mm,						
Milled, wavy	HSS	52	2.0 mm	U 118 B	5	6.23940*

Version	Material	Useable length mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
<b>For metal, »professional« series</b> Break-proof with long tool life						
Steel sheets 1-3 mm						
Milled, wavy	BiM	52	1.2 mm	U 118 AF	5	6.23907*
Steel sheets, 2.5-6 mm,						
Milled, wavy	BiM	74	2.0 mm	U 118 BF	5	6.23937*
<b>For metal, "pioneer" series</b> Quick and clean in all material thicknesses						
Steel sheets 1.5-10 mm, pipes, profiles up to 30 mm						
Milled, offset	BiM	74	1.2 - 2.6 mm, Progressive	U 123 XF	5	6.23909*
<b>For aluminium and non-ferrous metals, »expert« series</b> Especially for aluminium and non-ferrous metals						
Aluminium, non-ferrous metals 3-15 mm, pipes, profiles up to 30 mm						
Milled, offset	HSS	74	3.0 mm	U 127 D	5	6.23939*

Other accessories for jigsaws

	Order no.
 <p><b>Guard plate</b></p> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The plastic universal guard plate for protecting all work piece surfaces</li> <li>Guide rail adapter can be coupled on both sides, compatible with Metabo, Mafell and Bosch</li> <li>Rubberised immersion aid for plunge cuts</li> <li>Chip guard plates can be used</li> </ul> <p>suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140</p>	6.23595*
 <p><b>Guard plate</b></p> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The plastic felt guard plate prevents extremely sensitive work piece surfaces from scratches, incl. 3 replacement felts</li> <li>Guide rail adapter can be coupled on both sides, compatible with Metabo, Mafell and Bosch</li> <li>Rubberised immersion aid for plunge cuts</li> <li>Chip guard plates can be used</li> </ul> <p>suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140</p>	6.23596*
 <p><b>Guard plate</b></p> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The durable plastic laminated fabric guard plate (pertainax) for wood or wood-like work piece surfaces</li> <li>Guide rail adapter can be coupled on both sides, compatible with Metabo, Mafell and Bosch</li> <li>Rubberised immersion aid for plunge cuts</li> <li>Chip guard plates can be used</li> </ul> <p>Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140</p>	6.23597*
 <p><b>Guard plate</b></p> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The guard plate protects sensitive work piece surfaces from scratches</li> </ul> <p>Suitable for machine: STE 100 Plus, STE 135, STE 135 Plus, STEB 135, STEB 135 Plus, STA 18 LTX</p>	6.23664*
 <p><b>Circle-cutting and parallel guide</b></p> <ul style="list-style-type: none"> <li>For cutting circles of Ø 100 to Ø 360 mm and for cutting parallel to an edge (maximum distance from the edge 210 mm).</li> </ul> <p>Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140</p>	6.23591*
 <p><b>Circle-cutting and parallel guide</b></p> <ul style="list-style-type: none"> <li>For cutting circles of Ø 100 to Ø 360 mm and for cutting parallel to an edge (maximum distance from the edge 210 mm).</li> </ul> <p>Suitable for machine: STE 100 Plus, STE 135, STE 135 Plus, STEB 135, STEB 135 Plus, STA 18 LTX</p>	6.31340*

\* Self-service packaging

	<b>Precision guide rail</b> <ul style="list-style-type: none"> <li>■ Guide rail made of sturdy, anodised aluminium extrusion</li> <li>■ Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches</li> <li>■ Guide rule, adjustable to eliminate play</li> </ul> suitable for: Metabo jigsaws, circular saws and router models OFE 738 and Of E 1229 Signal (when using the appropriate accessories; KS 55 FS, KSE 55 Vario Plus, KS 66 Plus, KSE 68 Plus can be used directly) Overall length: 1,500 mm	Order no.   <b>6.31213.00</b>
	<b>Guide rail 6.31213 with bag</b>	<b>6.31213.70</b>
	<b>Guiding device</b> <ul style="list-style-type: none"> <li>■ For using jigsaws in conjunction with the guide rail 6.31250/ 6.31213</li> </ul>	<b>6.31249</b>
	<b>Connector</b> <ul style="list-style-type: none"> <li>■ For the trouble-free joining together of two precision guide rails 6.31213</li> </ul>	<b>6.31211*</b>
	<b>Set of two clamps</b> <ul style="list-style-type: none"> <li>■ For fixing the precision guide rail 6.31213 on the work piece or work table</li> </ul>	<b>6.31031*</b>
	<b>Lubricating stick</b> <ul style="list-style-type: none"> <li>■ Increase of durability with tools, for example, core drills, magnetic drills, BiM hole saws, routers or saw blades</li> </ul>	<b>6.23443</b>
	<b>3 chip break guard plates</b> Suitable for machine: STE 100 Plus, STE 135, STE 135 Plus, STEB 135, STEB 135 Plus	<b>6.23665*</b>
	<b>3 chip break guard plates</b> suitable for machine: STEB 70 Quick, STEB 80 Quick, STE 90 SCS, STE 100 SCS, STA 18 LTX, ST 50 Pendix, STE 70, STE 80 Quick, STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140	<b>6.31208*</b>
	<b>Extraction set</b> <ul style="list-style-type: none"> <li>■ Extraction set with corrugated end for safe connection to the Metabo all-purpose vacuum cleaner with suction hose Ø 27 mm and 35 mm.</li> </ul> Suitable for machine: STA 18 LTX 140	<b>6.23669*</b>
	<b>Extraction set</b> <ul style="list-style-type: none"> <li>■ Extraction set with corrugated end for safe connection to the Metabo all-purpose vacuum cleaner with suction hose Ø 27 mm and 35 mm</li> </ul> Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus	<b>6.23670*</b>
	<b>Suction hose</b> <ul style="list-style-type: none"> <li>■ With bayonet fitting and rubber connector (internal Ø 30 mm, external Ø 35 mm)</li> </ul> Connector Ø 58 / 35 mm Hose length: 3.5 m Suction hose-Ø: 27 mm	<b>6.31938</b>
	<b>Suction hose</b> <ul style="list-style-type: none"> <li>■ Anti-static suction hose (Metabo power tools have no basic anti-static equipment)</li> <li>■ With bayonet fitting and rubber connector (internal Ø 30 mm, external Ø 35 mm)</li> </ul> Connector Ø 58 / 35 mm Hose length: 3.5 m Suction hose-Ø: 27 mm	<b>6.31939</b>
	<b>Suction hose</b> Connector Ø 35/30 mm Length of hose: 5 m Suction hose Ø: 19 mm	<b>6.31592</b>

\* Self-service packaging



Technical data	Cordless Sabre Saw PowerMaxx ASE
Battery pack type	Li-Ion
Battery pack voltage	10.8 V
Strokes at no load	0 - 3.100 /min
Saw blade stroke	13 mm
Weight (with battery pack)	1.5 kg
<b>Scope of delivery</b>	
Order no.	6.02264
Jigsaw blade for metal	■
Jigsaw blade for wood and metal	■
2 Li-Power battery packs (10.8 V/4.0 Ah)	■
Charger LC 40	■
MetaLoc case	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- To saw wood, plastics, metal pipes and profiles and much more.
- Light, extremely handy saw for operation with one hand or both hands
- Especially suitable for working in places that are difficult to reach
- Vario (V)-electronics for working with customised strokes for the materials used
- Metabo "Quick" for changing saw blades without tools
- Extended range of application thanks to unique quick retainer for sabre saw blades and jigsaw blades
- Depth guide can be adjusted without tools for the ideal utilisation of all the saw blade and diverse applications such as plunge cuts
- Integrated LED work light for optimum illumination of the cutting line
- Practical capacity display for checking the charge status
- Wide range of uses thanks to the adapted Metabo saw blade range

**System components**

359, 373 ▶ Accessories

66 ▶ Battery packs



Technical data	Cordless Sabre Saw ASE 18 LTX
Battery pack type	Li-Ion
Battery pack voltage	18 V
Strokes at no load	0 - 2.700 /min
Saw blade stroke	30 mm
Weight (with battery pack)	3.6 kg
<b>Scope of delivery</b>	
Order no.	6.02269
Hexagonal wrench	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 »AIR COOLED«	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- To saw wood, plastics, metal pipes and profiles and much more.
- Slim, lightweight machine with softgrip handle for comfortable sawing in every working position
- Robust aluminium die-cast gear housing, coated for optimum handling
- Vario (V)-electronics for working with customised strokes for the materials used
- Saw blade rotatable by 180° for working comfortably overhead
- Metabo "Quick" for changing saw blades without tools
- Depth guide can be adjusted for the ideal utilisation of all the saw blade and diverse applications such as plunge cuts
- Battery packs with capacity display for checking the charge status
- Wide range of uses thanks to the adapted Metabo saw blade range

**System components**

373 ▶ Accessories

66 ▶ Battery packs



Technical data	Sabre Saw PSE 1200
Rated input power	1.200 W
Output power	650 W
Strokes at no load	0 - 2.600 /min
Saw blade stroke	28 mm
Torque	15 Nm
Weight without mains cable	4 kg
Cable length	2.55 m

Scope of delivery	
Order no.	6.01301
Plastic carry case	■

- Product advantages**
- To saw wood, plastics, metal pipes and profiles and much more.
  - Quick sawing progress thanks to powerful motor, suitable for continuous use
  - Robust aluminium die-cast gear housing, coated for optimum handling
  - Switchable pendulum stroke for especially high sawing performance
  - Vario (V)-electronics for working with customised strokes for the materials used
  - Electronic soft start for smooth startup
  - Saw blade rotatable by 180° for working comfortably overhead
  - Metabo "Quick" for changing saw blades without tools
  - Depth guide can be adjusted without tools for the ideal utilisation of all the saw blade and diverse applications such as plunge cuts
  - Wide range of uses thanks to the adapted Metabo saw blade range

**System components**

373 ▶ Accessories

# Sabre saw blades



## Features of the Metabo sabre saw blades

### Colour

The colour indicates for which material the blade is best suited.

- Yellow** For wood
- Yellow with blue lettering** For wood/metal
- Blue** For metal
- Blue with red** For metal
- Black** For special applications

### Basic blade material

- HCS** Carbon steel, for cutting soft wood, hardboards, plastics
- HSS** High yielding high-speed steel, suitable for metal, aluminium work
- BiM** Bi-metal is an especially flexible mix of HCS and HSS. The saw blades have a much higher life expectancy than HCS and HSS and have proven their worth when there is risk of the shaft breaking
- Carbide** Carbide, these particularly high performing saw blades are suitable for stainless steels, fibreglass reinforced plastic, gypsum plaster or cement fibre boards. Saw blades with a carbide coating are suitable to cut ceramic tiles

### Quality classes

- »Classic« series Good results and very good service life
- »Flexible« series Break-proof, flexible
- »Professional« series Stable, precise working, for tough applications
- »Professional premium« series Extremely high service life
- »Pioneer« series Quick through all materials
- »Expert« series For special applications

### Version

<b>Teeth milled, offset for clearance gap</b> A relatively rough cut, fast progress in cutting on hard and soft wood, aluminium, non-ferrous metals and plastics	<b>Teeth milled, waved for clearance gap</b> A fine cut with straight tool guidance in hard and soft wood, aluminium, non-ferrous metals and plastics	<b>Teeth ground, offset for clearance gap</b> Fast cutting in hard and soft woods	<b>Teeth ground, offset for clearance angle and clearance gap</b> Fine and clean cut in wood and plastics

### Shaft form

The sabre saw blades from Metabo are produced with a universal shank shape matching the sabre saws of standard brand names.



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### Sabre saw blades with 1/2" universal shank

■ Suitable for Metabo, AEG, Black & Decker, Bosch, DeWalt, Flex, Hitachi, Milwaukee, Porter Cable, Skil ...

#### For metal, »flexible« series

Break-proof, flexible, sabre saw blades < 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
 Sheets 1-3 mm, profiles 5-100 mm Wavy, milled	BiM	150	0.9	1 mm/ 24 TPI	S 918 AF	2	6.31129*
 Sheets 2-8 mm, profiles 10-100 mm Wavy, milled	BiM	150	0.9	1,8mm/ 14 TPI	S 918 BF	2	6.31130*
 Sheets 0.7-3 mm, profiles Ø 0.5-100 mm, profiles 0.5-100 mm Offset, milled	BiM	150	0.9	1,4mm/ 18 TPI	S 922 EF	2	6.31080*
						5	6.31454*
						25	6.28251*
 Sheets 1.5-4 mm, profiles Ø 5-175 mm, profiles 5-175 mm for flush cuts Offset, milled	BiM	225	0.9	1,4mm/ 18 TPI	S 1122 EF	2	6.31095*
						5	6.31493*
						25	6.28252*
 Sheets 1.5-6 mm, especially for curved cuts Offset, milled	BiM	100	0.9	1,8mm/ 14 TPI	S 422 BF	5	6.31990*
 Sheets 3-8 mm, pipes, profiles Ø 10-100 mm Offset, milled	BiM	150	0.9	1,8mm/ 14 TPI	S 922 BF	2	6.31093*
						5	6.31491*
						25	6.28253*
						100	6.25491
 Sheets 3-8 mm, pipes, profiles Ø 10-175 mm, flush cuts Offset, milled	BiM	225	0.9	1,8mm/ 14 TPI	S 1122 BF	2	6.31096*
						5	6.31494*
						25	6.28254*
						100	6.25492
 Sheets 3-8 mm, profiles Offset, milled	BiM	100	0.9	2mm/ 14 TPI	S 522 BF	5	6.28267*
 Sheets 0.7-3 mm, profiles Offset, milled	BiM	100	0.9	1.41 mm/ 18 TPI	S 522 EF	5	6.28268*

#### For metal, »professional« series

Stable, precise, for tough applications, sabre saw blade > 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
 Sheets 2-12 mm, pipes, profiles Ø 10-100 mm Offset, milled	BiM	150	1.25	1.8-2,6mm/ 10-14 TPI	S 925 VF	5	6.28260*
 Sheets 2-12 mm, pipes, profiles Ø 10-150 mm Offset, milled	BiM	200	1.25	1.8-2,6mm/ 10-14 TPI	S 1025 VF	5	6.31991*
 Sheets 2-12 mm, pipes, profiles Ø 10-175 mm Offset, milled	BiM	225	1.25	1.8-2,6mm/ 10-14 TPI	S 1125 VF	5	6.28261*
						25	6.28262*
 Sheets 2-12 mm, pipes, profiles Ø 10-250 mm Offset, milled	BiM	300	1.25	1.8-2,6mm/ 10-14 TPI	S 1225 VF	5	6.28263*
 Sheets 2-8 mm, pipes, profiles Ø 10-150 mm Offset, milled	BiM	200	1.25	1,8mm/ 14 TPI	S 1025 BF	5	6.31909*
 Sheets 4-10 mm, pipes, profiles Ø 20-100 mm, for pipe cutting equipment, for breaking and renovation work, glass Offset, milled	BiM	150	1.6	2.5+3.2 mm/ 8+10 TPI	S 920 CF	5	6.31992*
 Sheets 4-10 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for breaking and renovation work, glass Offset, milled	BiM	225	1.6	2.5+3.2 mm / 8+10 TPI	S 1120 CF	5	6.31993*
 Sheets 3-8 mm, pipes, profiles Ø 20-100 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and particularly clean cuts Offset, milled	BiM	150	1.1	1.4+1.8 mm/ 14+18 TPI	S 926 BEF	5	6.28255*
 Sheets 3-8 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and particularly clean cuts Offset, milled	BiM	225	1.1	1.4+1.8 mm/ 14+18 TPI	S 1126 BEF	5	6.28256*
 Sheets 4-10 mm, pipes, profiles Ø 20-100 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and quick cuts Offset, milled	BiM	150	1.1	2.5+3.2 mm/ 8+10 TPI	S 926 CHF	5	6.28257*
 Sheets 4-10 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and quick cuts Offset, milled	BiM	225	1.1	2.5+3.2 mm/ 8+10 TPI	S 1126 CHF	5	6.31989*

\* Self-service packaging

**For metal, »professional premium« series**

Unique, very aggressive and robust teeth, high cutting speeds and highest durability

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Sheets 3-8 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for straight, precise and particularly clean cuts with an extremely long service life							
Offset, milled	BiM	225	0.9	1.4+1.8 mm / 14+18 TPI	S 1136 BEF	2	6.28258*
							
Sheets 4-10 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for straight, precise and quick cuts with an extremely long service life							
Offset, milled	BiM	225	1.1	2.5+3.2 mm / 8+10 TPI	S 1136 CHF	2	6.28269*

**For metal, "pioneer" series**

Universal and quick in thick and thin material

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Sheets 1-8 mm, profiles Ø 5-100 mm							
Offset, milled	BiM	150	0.9	Progressive	S 123 XF	2	6.31911*
							
Sheets 1-8 mm, profiles Ø 5-100 mm							
Ground, milled	BiM	150	0.9	Progressive	S 123 XF	5	6.31914*

**For wood and metal, »flexible« series**

Break-proof, flexible, sabre saw blades < 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Wood, wood with nails, non-ferrous metals, plastics							
Offset, milled	HCS	300	0.9	2,5mm/ 10 TPI	S 1211 H	2	6.31125*
							
Wood, wood with nails, metal inserts Ø 5-100 mm, sheets, pipes, profiles 3-10 mm, plastics 3-100 mm							
Offset, milled	BiM	150	0.9	1.8-2,6mm/ 10-14 TPI	S 922 VF	2	6.31094*
						5	6.31492*
						25	6.28246*
							
Wood, wood with nails, metal inserts Ø 5-175 mm, sheets, pipes, profiles 3-10 mm, plastics 3-175 mm							
Offset, milled	BiM	225	0.9	1.8-2.6 mm/ 10-14 TPI	S 1122 VF	2	6.31097*
						5	6.31495*
						25	6.28247*
						100	6.25494

\* Self-service packaging

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Wood, wood with nails, metal inserts Ø 5-250 mm, sheets, pipes, profiles 3-10 mm, plastics 3-250 mm							
Offset, milled	BiM	300	0.9	1.8-2.6 mm/ 10-14 TPI	S 1222 VF	2	6.31098*
						5	6.31407*
						25	6.28248*
							
Wood, wood with nails, metal inserts Ø 5-150 mm, pallets, sheets, pipes, profiles 3-12 mm, plastics 3-150 mm							
Offset, milled	BiM	200	0.9	2.5 mm/ 10 TPI	S 1022 HF	5	6.31932*
						25	6.28249*
						200	6.25497
							
Wood, wood with nails, wood, plastics, plywood							
Offset, milled	BiM	100	0.9	4 mm/ 6 TPI	S 511 DF	5	6.28265*
							
For wood, metal, plastics							
Offset, milled	BiM	100	0.9	1.41-1.81 mm/ 14-18 TPI	S 522BEF	5	6.28266*

**For wood and metal, »professional« series**

Fast, stable, for tough applications, sabre saw blade > 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Wood 10-100 mm, wood with nails, plastics, window frames, specially designed for immersion cuts							
Offset, milled	BiM	150	1.25	3.2-5.1 mm/ 5-8 TPI	S 611VF	5	6.31984*
						25	6.28250*
							
Wood, wood with nails, plastics, plywood 10-100 mm, designed specially for curved cuts							
Offset, milled	BiM	150	1.25	3.2-5.1 mm/ 5-8 TPI	S 711 VF	5	6.31985*
							
Wood, wood with nails, plastics, plywood 10-175 mm							
Offset, milled	BiM	225	1.25	3.2-5.1 mm/ 5-8 TPI	S 1111 VF	5	6.31986*
							
Wood, wood with nails, plastics, plywood 10-250 mm							
Offset, milled	BiM	300	1.25	3.2-5.1 mm/ 5-8 TPI	S 1411 VF	5	6.31987*
							
Wood, wood with nails, metal inserts Ø 10-100 mm, plastics, for breaking and renovation work							
Offset, milled	BiM	150	1.6	4.3 mm/ 6 TPI	S 610 DF	5	6.31925*
							
Wood, wood with nails, metal inserts Ø 10-175 mm, plastics, for breaking and renovation work							
Offset, milled	BiM	225	1.6	4.3 mm/ 6 TPI	S 1110 DF	5	6.31926*

**For wood and metal, "pioneer" series**

Universal and quick in all materials

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Wood, wood with nails, metal inserts Ø 5-150 mm, sheets, pipes, profiles 3-18 mm, plastics 5-150 mm							
Offset, milled	BiM	200	1.25	Progressive	S 3456 XF	2	6.31912*
						5	6.31915*

**For wood, »classic« series**

For coarse applications on the construction site and in the garden

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Wood (also when damp) 6-100 mm, removal of branches, for fast, rough cuts, designed specially for curved cuts							
Offset, milled	HCS	150	1.25	8.5 mm/ 3 TPI	S 617 K	2	6.28240*
						5	6.28241*
							
Wood (also when damp) 10-250 mm, removal of branches, for fast, rough cuts							
Offset, milled	HCS	300	1.25	8.5 mm/ 3 TPI	S 1617 K	5	6.28242*
							
Wood (also when damp) 15-190 mm, firewood, for fast, rough cuts							
Offset, milled	HCS	225	1.25	8.5 mm/ 3 TPI	S 1111 K	2	6.28243*
						5	6.28244*

**For wood, »professional« series**

For professional applications on the construction site and in the garden

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Wood 6-100 mm, chipboard 6-60 mm, plywood, plastics, specially designed for immersion cuts							
Side set, ground	HCS	150	1.25	4.0 mm/ 6 TPI	S 644 D	2	6.31120*
						5	6.31470*
							
Wood 10-250 mm, chipboard 10-100 mm, plywood, plastics							
Side set, ground	HCS	300	1.25	4.0 mm/ 6 TPI	S 1344 D	2	6.31122*
						5	6.31472*
							
Wood (also damp) 15-190 mm, firewood, removal of branches							
side set, ground, carbide-coated	HCS	240	1.5	5.0 mm/ 5 TPI	S 1531 L	2	6.31139*
						5	6.31488*
						25	6.28245*

**For wood, "pioneer" series**

Universal and quick in thick and thin material

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Wood (also damp) 6-100 mm, chipboard 6-60 mm, plywood, plastics, specially designed for immersion cuts							
Side set, ground	HCS	200	1.25	Progressive	S 2345 X	2	6.31910*
						5	6.31913*

**For special applications, »expert« series**

The optimum sabre saw blade for all special applications

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order no.
							
Stainless steel sheet (Inox) 2-4 mm, rust-free profiles 2-50 mm, plastics (fibre-glass reinforced plastic)							
HM strip, ground	HM	115	1.25	1.4 mm/ 18 TPI	S 518 EHM	2	6.31817*
							
Cast steel pipe Ø max. 6", stone, plastic (fibre-glass reinforced plastic)							
Carbide coated, grit 30	HM	225	1.25		S 1130 Riff	2	6.31818*
							
Cardboard, polystyrene, insulation materials							
Knife-blade ground	HCS	150	1		S 713 AW	2	6.31144*
							
Aerated concrete 6-100 mm, stone 6-100 mm, fibre cement, fibre-glass reinforced plastic							
HM-tipped, side-set	HM	150	1.25	4.3 mm/ 6 TPI	S 641 HM	1	6.31137*
							
Aerated concrete 10-250 mm, stone 10-250 mm, fibre cement, fibre-glass reinforced plastic							
HM-tipped, side-set	HM	300	1.5	8.5 mm/ 3 TPI	S 1241 HM	1	6.31146*
							
Aerated concrete 20-350 mm, stone 20-350 mm, fibre cement, fibre-glass reinforced plastic							
HM-tipped, side-set	HM	400	1.5	12.7 mm/ 2 TPI	S 2041 HM	1	6.31819*
							
Gypsum carton, for clean cuts							
Offset, milled	BiM	100	0.9	4.2 mm/ 6 TPI	S 528 DF	5	6.28264*
							
Gypsum carton 8-100 mm, for clean cuts							
Offset, milled	BiM	150	1.25	4.3 mm/ 6 TPI	S 628 DF	5	6.31907*
							
Masonry, brickwork, porous concrete, cement board, for material thicknesses < 150 mm							
	HM	240	1.5	12.7 mm/ 2 TPI	S 1543 HM	1	6.31916*
							
Masonry, brickwork, porous concrete, cement board, for material thicknesses < 215 mm							
	HM	305	1.5	12.7 mm/ 2 TPI	S 1243 HM	1	6.31917*
							
Masonry, brickwork, porous concrete, cement board, for material thicknesses < 365 mm							
	HM	455	1.5	12.7 mm/ 2 TPI	S 2243 HM	1	6.31918*

\* Self-service packaging

# M+ System: Machine and Accessories perfectly synchronised for maximum performance



## Reliable quality tools for any application

We are the specialist for the metal trade and industry, and the ideal partner when drilling/screwdriving, cutting/grinding and sawing in the building sector.

## The M+ System: Metabo Machine + Metabo Accessories for maximum performance



Even during the development phase at Metabo, machines and accessories are optimally adjusted to one another and tested. Your added benefit: Maximum performance thanks to Metabo+ System effect.



## Special-purpose Machines



Technical data

Wall Chaser MFE 30

Wall Chaser MFE 65

Torque	3.5 Nm	15 Nm
Diameter of cutting disc	125 mm	230 mm
Possible groove widths	10/17/23/30 mm	3/9/17/29/33/37/41 mm
Adjustable cutting depth	0 - 30 mm	20 - 65 mm
No-load speed	8,200 /min	6,500 /min
Rated input power	1,400 W	2,400 W
Output power	750 W	1,600 W
Speed at rated load	8,200 /min	4,600 /min
Weight without mains cable	4.3 kg	9.8 kg
Cable length	4 m	4 m

Scope of delivery

Order no.	6.01119 <sup>2)</sup>	6.00365 <sup>2)</sup>
4 Spacer rings	■	
7 Spacer rings		■
Flange nut	■	■
Side handle	■	■
Offset screwdriver	■	
Spanner wrench	■	■
Chase extraction chisel	■	■
Sheet steel carry case	■	■

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Particularly low-dust working due to plunge function
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress thanks to constant speed under load
- Reduced load by drawing cut from top to bottom
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safer working if the disc jams
- Overload protection: protects the motor from overheating
- Starting current limitation prevents the actuation of the lock on start-up
- LED signal informs about overload or active no-volt release switch
- Metabo VibraTech (MVT): integrated damping system to reduce vibration in order to protect the user
- Electronic safety shutdown of the motor for safer working if the disc jams
- Electronic overload protection for long service life
- Suitable for quick and clean cutting of wall channels
- Channel width and cutting depth can be set
- Metabo Marathon motor with patented dust protection for long service life
- No-volt release switch: prevents unintentional startup after power cut
- Also suitable for cutting by using only one diamond cutting disc

Quality class »professional« / CP



- Ideal for all hard construction materials such as concrete (including reinforced), concrete pipes, granite, hard sandstones, facing stones, exposed aggregate concrete.
- The diamond quality and soft bond is configured to meet high demands, provide an optimal cutting performance and long tool life.
- Laser welded diamond segments
- Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 350 mm: 100 m/s)

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
125 x 22.23	32 x 2.15 x 12	9	12,200	2	6.28131*
230 x 22.23	40 x 2.5 x 12	15	6,600	2	6.28135*

Quality class »professional« / UP



- Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.
- The universal disc with high quality diamonds provides optimal cutting performance and a long tool life.
- Laser welded diamond segments
- Segment height: 12.0 mm  
Maximum working speed 80 m/s (300 - 400 mm: 100 m/s)

Diameter x bore hole mm	Segment dimensions mm	Segment number	Maximum speed /min	Sales unit	Order no.
125 x 22.23	32 x 2.15 x 12	9	12,200	2	6.28113*
230 x 22.23	40 x 2.5 x 12	15	6,600	2	6.28117*

Suction hose



Suction hose

- When using a second suction hose, the dust extraction device can be placed at a distance of up to 8 m from the workplace
- With bayonet fitting for connection to the extraction nozzle of wall chasers MFE 30, MFX 65 and MFE 65
- Connector Ø 35/35 mm
- Hose length: 4 m
- Suction hose Ø 35 mm

Order no.

6.30344

System components

385 ▶ Accessories

393 ▶ Extraction systems

\* Self-service packaging

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Technical data	Hot Air Gun H 16-500	Hot Air Gun HE 20-600	Hot Air Gun HE 23-650 Control
Volume of air	240 / 450 l/min	150 / 300 / 500 l/min	150 - 250 / 150 - 500 / 500 l/min
Air temperature	300 / 500 °C	50 / 50 - 600 °C	50 / 50 - 650 °C
Rated input power	1,600 W	2,000 W	2,300 W
Weight without mains cable	0.6 kg	0.7 kg	0.9 kg
Cable length	2.2 m	2.2 m	4 m
Order no.	6.01650 <sup>1)</sup>	6.02060 <sup>1)2)</sup>	6.02365 <sup>1)</sup>

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Quick and easy temperature setting via thumbwheel control
- Particularly suited for temperature-sensitive materials thanks to precise control of air volume and temperature
- Efficient working with four preset, adjustable programmes
- Wide range of uses: Removal of varnish, shaping, crimping, welding and much more
- High-quality ceramic heating, powerful motor and optimum device cooling for long service life
- Ergonomic design and handle with non-slip softgrip surface provides convenient handling

Nozzles		Order no.
	<b>Wide jet nozzle, 50 mm</b> ■ For drying and for removing paint suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	6.30001*
	<b>Wide jet nozzle, 75 mm</b> ■ Stripping old paint from larger surfaces suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	6.30002*
	<b>Deflector nozzle, 75 mm</b> ■ For removing old paint on window frames, for waxing and de-waxing skis suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	6.30003*
	<b>Wrap nozzle</b> ■ For warming plastic tubes etc. prior to bending and shaping; shrinking on shrink-fit plastic sleeves, (e.g. on cable ends) suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	6.30004*
	<b>Reducing nozzle, 20 mm</b> ■ For spot-heating e.g. soldering and welding suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	6.30022*
	<b>Reducing nozzle 9 mm</b> ■ For attaching the slit nozzle 6.30006 and the welding nozzle 6.30007. Also suitable for spot-heating, (e.g. soldering and welding) ■ For hot air guns with electronics only suitable for HE 20-600, HE 23-650 Control, HE 2000, HE 2300 Control	6.30005*
	<b>Slit nozzle</b> ■ For overlap-welding of PVC tarpaulins and sheeting ■ To fit the nozzle, the reducing nozzle 6.30005 is needed ■ For hot air guns with electronics only suitable for HE 20-600, HE 23-650 Control, HE 2000, HE 2300 Control	6.30006*
	<b>Welding nozzle</b> ■ For working with plastic welding wire (up to diameter 5 mm!) ■ To fit the nozzle, the reducing nozzle 6.30005 is needed ■ For hot air guns with electronics only suitable for HE 20-600, HE 23-650 Control, HE 2000, HE 2300 Control	6.30007*

\* Self-service packaging



Technical data	Tacker Ta E 2019	Tacker Ta E 3030	Tacker Ta M 3034
Max. pulse string	20 /min	20 /min	20 /min
For working with			
- Staples, 4 mm wide	12 - 18 mm	18 - 30 mm	18 - 30 mm
- Staples, 10 mm wide	8 - 18 mm	-	-
- Flat wire staples, 10 mm wide	8 - 14 mm	-	-
- Nails	19 mm	16 - 30 mm	16 - 30 mm
Weight without mains cable	1.4 kg	1.8 kg	1.8 kg
Cable length	2.6 m	2.6 m	4 m

## Scope of delivery

Order no.	6.02019	6.03030	6.03034
Universal magazine for all commercial staples and nails	■		
Magazine for 4 mm wide (up to 30 mm long) staples and 16-30 mm long nails		■	■
3 front plates	■		
Rubber protective shoe		■	■

## Product advantages

- Also suitable for handling flat wire staples
  - Repeated impact option for incompletely driven in fasteners
  - Repeated impact option for incompletely driven in fasteners
  - Rubber protective shoe to prevent pressure marks
  - Complete driving in of fasteners by virtue of electronically controlled multiple impact device
  - Rubber protective shoe to prevent pressure marks
- For processing staples, nails, shaped wood claws and groove clutches
  - Impact power control for setting the impact depth
  - Tappet with nut for specific placing of tacker
  - Protection against unintentional triggering of blows

## System components

389 ▶ Accessories

## Staples, 4 mm wide



Width mm	Length mm	Stainless	Suitable for	Sales unit	Order no.
4	12		Ta E 2019	2,000	6.30901*
4	15		Ta E 2019	2,000	6.30902*
4	18		Ta E 2019, Ta E 3030, Ta M 3034	2,000	6.30903*
4	18	■	Ta E 2019, Ta E 3030, Ta M 3034	2,000	6.30909*
4	23		Ta E 3030, Ta M 3034	2,000	6.30904*
4	26		Ta E 3030, Ta M 3034	2,000	6.30905*
4	26	■	Ta E 3030, Ta M 3034	2,000	6.30910*
4	30		Ta E 3030, Ta M 3034	2,000	6.30906*

## Staples, 10 mm wide



Width mm	Length mm	Stainless	Suitable for	Sales unit	Order no.
10	8		Ta E 2019	1,000	6.30570*
10	10		Ta E 2019	1,000	6.30571*
10	12		Ta E 2019	1,000	6.30572*
10	14		Ta E 2019	1,000	6.30573*
10	18		Ta E 2019	1,000	6.30574*

## Flat wire staples, 10 mm wide



Width mm	Length mm	Stainless	Suitable for	Sales unit	Order no.
10	8		Ta E 2019	2,000	6.30576*
10	10		Ta E 2019	2,000	6.30577*
10	14		Ta E 2019	2,000	6.30578*

## Nails



Length mm	Suitable for	Sales unit	Order no.
16	Ta E 3030, Ta M 3034	1,000	6.30592*
19	Ta E 2019, Ta E 3030, Ta M 3034	1,000	6.30593*
25	Ta E 3030, Ta M 3034	1,000	6.30907*
30	Ta E 3030, Ta M 3034	1,000	6.30908*

## Rubber protective shoe

Order no.
6.31053

**Rubber protective shoe**  
As spare for the tackers Ta E 3030, Ta M 3034

\* Self-service packaging



Technical data	Glue Gun KE 3000
For hot melt type glue sticks	
- Diameter	11 mm
- Length	200 mm
Max. glue output	18 g/min
Warm up time	approx. 6 min
Processing temperature	approx. 200 °C
Weight without mains cable	0.25 kg
Cable length	1.9 m

Scope of delivery	Order no.
Hot-melt type glue stick (200 mm long, transparent)	6.18121

- Product advantages**
- Universal use for hot-gluing of wood, plastic, carton, glass, ceramic, stone, textiles, cork, leather, metal etc.
  - Also suitable for sealing and joining and for repairs with hot-melt type adhesive
  - Exact dosage by means of mechanical glue supply
  - Optimum processing of the glue by means of PTC heating elements for constant temperature
  - Strap and supporting surface on housing for safe stop after use
  - Clean working without dripping by means of anti-drip nozzle

**System components**

391 ▶ Accessories

**Hot-melt type glue sticks**

**Hot-melt type glue sticks, light yellow**



- For gluing wood, cardboard, leather, etc. (firm glue joints after just brief pressing time)
- Setting time measured for a 3 mm thick bead of glue on wood at 20 °C

Colour	Open time of adhesive Seconds	Weight kg	Order no.
Light yellow	approx. 25	0.5	6.30887*
Light yellow	approx. 25	20	6.30891

**Hot-melt type glue sticks, transparent**



- Also suitable for gluing plastics (e.g. polystyrene, polyester and polyamide), fabrics, etc. (strong, elastic glue joints)

Colour	Open time of adhesive Seconds	Weight kg	Order no.
transparent	approx. 35	0.5	6.30886*
transparent	approx. 35	20	6.30889

**Nozzle kit**



**Additional nozzle assortment pack**

- Comprising: threaded nozzle bush and two nozzles (grouting nozzle and flat nozzle) for fitting to the threaded bush

Order no.  
6.30885\*

\* Self-service packaging

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# M+ System: Machine and Accessories perfectly synchronised for maximum performance



## Reliable quality tools for any application

We are the specialist for the metal trade and industry, and the ideal partner when drilling/screwdriving, cutting/grinding and sawing in the building sector.

## The M+ System: Metabo Machine + Metabo Accessories for maximum health protection and cleanliness when working.



Even during the development phase at Metabo, machines and accessories are optimally adjusted to one another and tested. Your added benefit: Maximum cleanliness for drilling, grinding, cutting or sawing thanks to Metabo+ System effect.



## Aspiration and Extraction

# Which all-purpose vacuum cleaner for which application?

Dust can be a hazard to the health of the user. The low-dust extraction systems from Metabo are solutions that offer optimum protection to the user. Depending on the requirements and application we recommend a vacuum cleaner that corresponds to a specific dust class.

In addition, depending on the dust type (e.g. wood dust, mineral dust) the user can select between different technologies in terms of filter cleaning: From manual to fully-automatic filter cleaning there are extraction systems in different dust classes available.

## Dust classes

Since 2005 - EN 60335-2-69, annex AA (excerpt)		Hazards / suitable for	Disposal
Dust Classes	Max. transmittance		
L	 1%	<b>Keeps back 99% of:</b> <ul style="list-style-type: none"> <li>Dusts with OEL values &gt; 1 mg/m<sup>3</sup></li> <li>slightly hazardous dusts</li> </ul>	–
M	 0,1%	<b>Keeps back 99.9% of:</b> <ul style="list-style-type: none"> <li>Dusts with OEL values ≥ 0.1 mg/m<sup>3</sup></li> <li>dusts of medium hazard e.g. wood dusts (beech / oak);</li> <li>mineral dusts class M</li> </ul>	Low-dust disposal
H	 0,005%	<b>Keeps back 99.995% of:</b> <ul style="list-style-type: none"> <li>Dusts with OEL values &lt; 0.1 mg/m<sup>3</sup></li> <li>Carcinogenic dusts</li> <li>Dust containing pathogens</li> </ul>	Low-dust disposal
Additional requirement asbestos certification in accordance with TRGS 519, for Germany		<ul style="list-style-type: none"> <li>Asbestos dusts</li> </ul>	

## Filter Cleaning Technologies

Symbol	Designation	Abbreviation	Types of extraction units	Filter Cleaning Technology	Function
–	–	–	AS 20 L, ASA 32 L	No filter cleaning technology	–
	PressClean	PC	ASA 25 L PC, ASA 30 L PC Inox	Manual filter cleaning	<ul style="list-style-type: none"> <li>Manual filter cleaning with strong air stream on activation of the switch at the extraction unit during breaks</li> </ul>
	SelfClean	SC	ASR 25 L SC, ASR 50 L SC, ASR 50 M SC	Semi-automatic filter cleaning	<ul style="list-style-type: none"> <li>Electromagnetic, semi-automatic filter cleaning during breaks</li> </ul>
	AutoClean	AC	ASR 35 L AutoClean, ASR 35 M AutoClean	Automatic filter cleaning	<ul style="list-style-type: none"> <li>Electromagnetic, fully automatic and demand driven filter cleaning</li> <li>Working without interruptions, particularly suited for continuous use</li> </ul>



### Technical Data

	All-Purpose Vacuum Cleaner AS 20 L	All-purpose Vacuum Cleaner ASA 32 L
Air output max.	3,600 l/min	3,600 l/min
Vacuum	200 hPa (mbar)	200 hPa (mbar)
Filter Area	3,600 cm <sup>2</sup>	3,600 cm <sup>2</sup>
Input Power max.	1,200 W	1,200 W
Container Volume	20 l	32 l
Suction Hose		
- Diameter	35 mm	35 mm
- Length	1.75 m	3.2 m
Weight	5 kg	7 kg
Cable Length	5 m	5 m

### Scope of delivery

Order no.	6.02012	6.02013
Suction Hose (Ø 35 mm, 1.75 m)	■	
Suction Hose (Ø 35 mm, 3.2 m)		■
Handle Adapter	■	■
2 Suction Pipes	■	■
1 Cellulose Peated Filter	■	■
Grouting Nozzle	■	■
Pipe Holder		■
Floor Nozzle (260 mm wide)	■	■
Suction Nozzle (120 mm wide)		■

### Product Advantages

- For extraction from power tools and to clean construction sites, workshops etc.
- Power socket for power tool use with automatic start/shut-down of the vacuum cleaner
- Compact vacuum cleaner for liquids and dry solids with commercial registration
- Ideal for mobile use due to low weight and compact construction
- User protection: Certified in accordance with EU standard for dusts of dust class L
- Automatic shut-down when vacuuming liquids once the maximum filling height is reached
- Option to wind up the cable
- Practical accessory case and storage area

### System Components

401 → Accessories

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	<b>NEW</b>	<b>NEW</b>
		
	 	 
<b>Technical Data</b>	<b>All-purpose Vacuum Cleaner ASA 25 L PC</b>	<b>All-purpose Vacuum Cleaner ASA 30 L PC Inox</b>
Air output max.	3,600 l/min	3,600 l/min
Vacuum	210 hPa (mbar)	210 hPa (mbar)
Filter Area	3,000 cm <sup>2</sup>	3,000 cm <sup>2</sup>
Input Power max.	1,250 W	1,250 W
Container Volume	25 l	30 l
Suction Hose		
- Diameter	32 mm	32 mm
- Length	3.5 m	3.5 m
Weight	8.3 kg	9.6 kg
Cable Length	7.5 m	7.5 m

<b>Scope of delivery</b>		
Order no.	6.02014	6.02015
Suction Hose (Ø 32 mm, 3.5 m)	■	■
Handle Adapter	■	■
2 Aluminium Suction Pipes	■	■
2 Suction Pipes (chrome-plated)	■	■
Pleated Polyester Filter	■	■
PE Filter Bags	■	■
Nylon Web Filter Bag	■	■
Grouting Nozzle	■	■
Floor Nozzle (300 mm wide)	■	■
Suction Nozzle (120 mm wide)	■	■
Brush Nozzle	■	■
Cable/hose Bracket	■	■

- Product Advantages**
- Compact vacuum cleaner for liquids and dry solids with commercial registration
  - Ideal for mobile use due to low weight and compact construction
  - For extraction from power tools and to clean construction sites, workshops etc.
  - PressClean: Manual filter cleaning with strong air stream on activation of the switch at the extraction unit during breaks
  - User protection: Certified in accordance with EU standard for dusts of dust class L
  - Automatic shut-down when vacuuming liquids once the maximum filling height is reached
  - With integrated blow function: for blowing out, drying and drawing off exhaust air
  - Cable and hose bracket for practical transport
  - Practical accessory case and storage area
  - Container made of corrosion-proof, high-quality stainless steel

**System Components**

401 → Accessories

	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
			
	 	 	 
<b>Technical Data</b>	<b>All-Purpose Vacuum Cleaner ASR 25 L SC</b>	<b>All-Purpose Vacuum Cleaner ASR 50 L SC</b>	<b>All-Purpose Vacuum Cleaner ASR 50 M SC</b>
Air output max.	3,660 l/min	3,660 l/min	3,660 l/min
Vacuum	248 hPa (mbar)	248 hPa (mbar)	248 hPa (mbar)
Filter Area	8,600 cm <sup>2</sup>	8,600 cm <sup>2</sup>	8,600 cm <sup>2</sup>
Input Power max.	1,400 W	1,400 W	1,400 W
Container Volume	25 l	50 l	50 l
Suction Hose			
- Diameter	35 mm	35 mm	35 mm
- Length	3.2 m	3.2 m	4 m
Weight	11 kg	16 kg	16 kg
Cable Length	8 m	8 m	8 m

<b>Scope of delivery</b>			
Order no.	6.02024 <sup>2)</sup>	6.02034	6.02045
Suction Hose (Ø 35 mm, 3.2 m)	■	■	
Antistatic Suction Hose (Ø 35 mm / 4 m)			■
Handle Adapter	■	■	■
2 Plastic Suction Pipes	■	■	■
2 Polyester Filter Cassettes (M class)	■	■	■
PE Filter Bags			■
Nylon Web Filter Bag	■	■	■
Grouting Nozzle	■	■	■
Universal Nozzle	■	■	■
Carrying Handle		■	■

<sup>2)</sup> also available in 110 V (UK)

- Product Advantages**
- User protection: Certified in accordance with EU standard for dusts of dust class L
  - Ideal for mobile use due to low weight and compact construction
  - User protection: Certified in accordance with EU standard for dusts of dust class L
  - High user protection: Certified in accordance with EU standard for dusts of dust class M
  - Warning signal on exceeding the minimum volume flow to protect the user
  - Compact vacuum cleaner for liquids and dry solids with commercial registration
  - For extraction from power tools and to clean construction sites, workshops etc.
  - SelfClean: Semi-automatic filter cleaning during breaks for next use
  - Automatic shut-down when vacuuming liquids once the maximum filling height is reached
  - Automatic trailing mechanism for emptying the suction hose completely
  - Antistatic basic equipment prevents static charge when using appropriate accessories
  - Option to wind up the cable
  - Practical accessory case and storage area
  - Storage and transport system: coupling of MetaLoc and vacuum cleaner with the Metadepot 6.31937

**System Components**

401 → Accessories



Technical Data	All-purpose Vacuum Cleaner ASR 35 L AutoClean	All purpose Vacuum Cleaner ASR 35 M AutoClean
Air output max.	3,660 l/min	3,660 l/min
Vacuum	248 hPa (mbar)	248 hPa (mbar)
Filter Area	8,600 cm <sup>2</sup>	8,600 cm <sup>2</sup>
Input Power max.	1,400 W	1,400 W
Container Volume	35 l	35 l
Suction Hose		
- Diameter	35 mm	35 mm
- Length	3.2 m	3.2 m
Weight	16 kg	16 kg
Cable Length	8 m	8 m

Scope of delivery	6.02055	6.02056 <sup>2)</sup>
Order no.		
Suction Hose (Ø 35 mm, 3.2 m)	■	■
Handle Adapter	■	■
2 Plastic Suction Pipes	■	■
2 Polyester Filter Cassettes (M class)	■	■
PE Filter Bags	■	■
Grouting Nozzle	■	■
Floor Nozzle (370 mm wide)	■	■

<sup>2)</sup> also available in 110 V (UK)

- Product Advantages**
- User protection: Certified in accordance with EU standard for dusts of dust class L
  - Suction power control for adapted suction performance
  - High user protection: Certified in accordance with EU standard for dusts of dust class M
  - Warning signal on exceeding the minimum volume flow to protect the user
  - For extraction at the power tool in continuous mode on construction sites and in the workshop
  - Especially suited for extracting concrete and rock dust
  - Compact vacuum cleaner for liquids and dry solids with commercial registration
  - AutoClean: Saving in cost and time by means of automatic filter cleaning in continuous use
  - Automatic shut-down when vacuuming liquids once the maximum filling height is reached
  - Automatic trailing mechanism for emptying the suction hose completely
  - Antistatic basic equipment prevents static charge when using appropriate accessories
  - Sturdy thanks to especially large wheels and castors with wheel stop
  - Option to wind up the cable
  - Practical accessory case and storage area

**System Components**

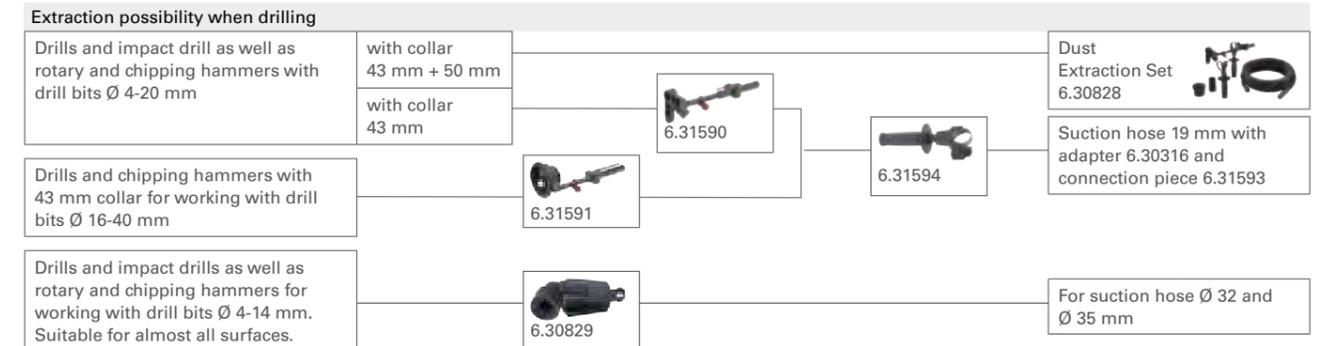
401 → Accessories

**Which connection option for which handheld power tool?**

	Metabo All-purpose Vacuum Cleaners							
	ASA 32 L	ASA 25 L PC <sup>1)</sup>	ASA 30 L PC Inox <sup>1)</sup>	ASR 25 L SC	ASR 50 L SC	ASR 50 M SC	ASR 35 L AutoClean	ASR 35 M AutoClean
Suction Hose Diameter	Ø 19 mm	Ø 27 mm		Ø 32 mm	Ø 35 mm			
Hose Length	5.0 m	3.5 m	3.5 m	3.5 m	2.5 m	3.2 m	4.0 m	4.0 m
Order no.	6.31592	6.31938	6.31939	6.31337	6.31752	6.31362	6.31370	6.30344
Adapter and Connectors	without adapter		with 6.24996		with 6.24996			
<b>Cordless Circular Saws</b>								
KSA 18 LTX								
<b>Circular Saws</b>								
KSE 55 Vario Plus, KS 55, KS 55 FS, KS 66, KS 66 Plus, KSE 68 Plus								
<b>Jigsaws/Cordless Jigsaw</b>								
STE 140 Plus, STEB 140 Plus, STA 18 LTX 140								
STEB 70 Quick, STEB 80 Quick, STE 90 SCS, STE 100 SCS								
<b>Sanders</b>								
DSE 280 Intec, DSE 300 Intec + 6.24994								
FMS 200 Intec, FSR 200 Intec, FSX 200 Intec + 6.26996								
SR 10-23, SR 20-23 Intec, SR 180, SXE 325, SXE 400, SXE 425 TurboTec, SXE 450 TurboTec, SRE 4350 TurboTec, SRE 4351 TurboTec								
<b>Belt Sanders</b>								
BAE 75								
<b>Angle Grinder (only for mineral dusts)</b>								
Ø 115 mm/125 mm + 6.30324 and cutting blade guard 6.31151								
Ø 180 mm und Ø 230 mm and cutting blade guards 6.31166 and 6.31167								
<b>Routers and Planers</b>								
Ho 0882, LF 724 S, OFE 738, OFE 1229 Signal								
<b>Wall Chasers</b>								
MFE 30, MFE 65								

<sup>1)</sup> only compatible with hose 6.31337

■ Connection possibility available via standard adapter, included in the scope of delivery of the extraction unit  
□ Connection possibility available via optionally available coupling bush (order no. 6.30796)



Which connection option for which wood processing tool?

	Metabo All-purpose vacuum cleaners						Chip and Dust Extraction Units				
	ASA 32 L ASA 25 L PC <sup>1)</sup> ASA 30 L PC Inox <sup>1)</sup> ASR 25 L SC	ASR 50 L SC ASR 50 M SC ASR 35 L AutoClean ASR 35 M AutoClean					SPA 1200 SPA 1702 W SPA 2002 W SPA 2002 D				
Diameter	Ø 27 mm		Ø 32 mm	Ø 35 mm			Ø 58 mm	Ø 100 mm			
Length	3.5 m	3.5 m	3.5 m	2.5 m	3.2 m	4.0 m	3 m	2.5 m <sup>2)</sup>	5 m	10 m	
Order no.	6.31938	6.31939	6.31337	6.31752	6.31362	6.31370	6.30312	7854112915	7854115035		
Adapter and Connectors											
	without adapter	with suction adapter 0910059955	with transition piece 6.30316	with suction adapter 0910031260	with suction adapter 0910031260	antistatic	without adapter	with suction adapter Multi 0910058010	with suction adapter 0910031260	without adapter	
										and adapter 6.30316	
<b>Crosscut Saws</b>											
KS 216 M Lasercut											
KGS 216 M	■ □						■		■		
KGSV 216 M											
KGS 254 M											
KGS 305 M											
KS 254 Plus	□	■ □					■		■		
KS 305 Plus											
KGS 216 Plus											
KGS 254 Plus				■	□		■		■		
KGS 254 I Plus											
KGS 315 Plus											
KGT 300	□	■ □					■		■		
<b>Flush-mounted Circular Saws</b>											
UK 290 UK 333											
with two-point extraction 0910064371				■	□		■		■		
<b>Table Circular Saws</b>											
TS 216	■ □						■		■		
TS 254											
TKHS 315 C											
TKHS 315 M										■	
<b>Planing Machines</b>											
HC 260 C									■	■	
DH 330							■			■	
<b>Band Saws</b>											
BAS 260 Swift											
BAS 317 Precision	□			■			■		■		
BAS 505 Precision									■	■	

<sup>1)</sup> only compatible with hose 6.31337

<sup>2)</sup> only available in the scope of delivery, available as spare part

■ Connection possibility available via coupling bush, included in the scope of delivery of the extraction unit

□ Connection possibility available via optionally available coupling bush (order no. 6.30796)

Suction Hoses

	Order no.
	6.30312
<b>Suction Hose</b> Connector Ø 58/58 mm Hose Length: 3 m Suction Hose Ø 58 mm	
	6.31938
<b>Suction Hose</b> With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm) Connector Ø 58 / 35 mm Hose Length: 3.5 m Suction Hose Ø: 27 mm	
	6.31939
<b>Suction Hose</b> ■ Antistatic Suction Hose With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm) Connector Ø 58 / 35 mm Hose Length: 3.5 m Suction Hose Ø: 27 mm	
	6.31751
<b>Suction Hose</b> ■ With swivel joint ■ Standard equipment for AS 20 L Connector Ø 58 / 35 mm Hose Length: 1.75 m Suction Hose Ø 35 mm	
	6.31752
<b>Suction Hose</b> ■ With swivel joint ■ For bayonet fitting Connector Ø 58 / 35 mm Hose Length: 2.5 m Suction hose Ø 35 mm	
	6.31362
<b>Suction Hose</b> ■ With swivel joint ■ Standard equipment for ASA 32 L, ASR 50 L SC, ASR 25 L SC Connector Ø 58 / 35 mm Hose Length: 3.5 m Suction Hose Ø 35 mm	
	6.30344
<b>Suction Hose</b> ■ When using a second suction hose, the dust extraction device can be placed at a distance of up to 8 m from the workplace With bayonet fitting for connection to the extraction nozzle of wall chasers MFE 30, MFX 65 and MFE 65 Connector Ø 35/35 mm Hose Length: 4 m Suction Hose Ø 35 mm	
	6.31592
<b>Suction Hose</b> Connector Ø 35/30 mm Hose Length: 5 m Suction Hose Ø: 19 mm	
	6.31337
<b>Suction Hose</b> ■ With coupling bush with shunt air opening ■ Standard equipment for ASA 25 L PC and ASA 30 L PC Inox Hose Length: 3.5 m Suction Hose Ø: 32 mm	
	6.31370
<b>Suction Hose</b> ■ Antistatic Suction Hose ■ For bayonet fitting ■ With swivel joint ■ Standard version for ASR 50 M SC Connector Ø 58 / 35 mm Hose Length: 4 m Suction Hose Ø 35 mm	

Adapter

	Order no.
 <p><b>Handle Adapter</b>                      ■ As handle, for attaching between the suction hoses and the suction pipes                      ■ Standard equipment for ASR 2025, ASR 2050 and SHR 2050 M</p>	6.30317
 <p><b>Reducing Sleeve 58/35 mm</b>                      ■ Connector Ø 58 / 35 mm</p>	6.31364
 <p><b>Adapter 30/35 mm</b>                      ■ For connecting the suction hose with connector Ø 35 mm to an extraction nozzle Ø 30 mm</p>	6.24996
 <p><b>Adapter 35/58 mm</b>                      ■ For connecting the suction hoses with connector Ø 35 mm to an extraction nozzle Ø 58 mm</p>	6.30316*
 <p><b>Coupling Bush RS/RF</b>                      ■ Conducts electricity, L = 90 mm</p>	6.30796*
 <p><b>Coupling Bush</b>                      ■ Standard coupling bush of Metabo suction hoses                      ■ Conducts electricity</p>	6.30798
 <p><b>Connector</b>                      ■ For connecting suction hose 6.31592 (Ø 30/35 mm connection) to a household vacuum cleaner</p>	6.31593*
 <p><b>Bayonet Adapter</b>                      ■ For bayonet fitting of suction hoses with Ø 35 mm connector (without bayonet fitting connector) in electrical tools with Ø 35 mm extraction nozzle</p>	6.30898*
 <p><b>Connecting Sleeve 58 mm</b>                      ■ For joining two suction hoses with connector Ø 58 mm</p>	6.31365
 <p><b>Y-piece</b>                      ■ With Ø 58 mm connector and two Ø 58 mm openings for use in the Metabo multi-purpose vacuum cleaners and the special purpose vacuum cleaner</p>	6.30897*

Suction Pipes

	Diameter mm	Length m	Type	Sales unit	Order no.
	35	0.4	Plastic	2	6.30314
	58	0.4	Plastic	2	6.30867
	35	0.4	Chromium-plated	2	6.31363

Nozzles

	Order no.
 <p><b>Suction Nozzle</b>                      ■ Standard equipment for ASA 1202                      Width: 120 mm</p>	6.30320*
 <p><b>Universal Nozzle</b>                      ■ Reversible                      Width: 300 mm</p>	6.30322
 <p><b>Floor Nozzle</b>                      ■ Also suitable for vacuuming liquids                      ■ With brush head and rubber head                      Width: 370 mm</p>	6.30329

\* Self-service packaging

	Order no.
 <p><b>Floor Nozzle</b>                      ■ Metal Version                      Width: 450 mm</p>	6.31940
 <p><b>Floor Nozzle</b>                      Width: 360 mm</p>	6.30868
 <p><b>Set of Floor Nozzles</b>                      ■ Set made up of: Nozzle body, floor insert and insert for wet vacuuming                      Width: 370 mm</p>	6.30321
 <p><b>Multi-purpose Nozzle</b>                      ■ With 3 inserts for vacuuming carpets, flat surfaces and for vacuuming liquids                      Width: 270 mm</p>	6.30328
 <p><b>Universal Brush</b>                      Width: 40 mm                      Length: 120 mm</p>	6.30244
 <p><b>Upholstery Brush</b>                      Width: 40 mm                      Length: 60 mm</p>	6.30245*
 <p><b>Grouting Nozzle</b>                      ■ Standard equipment for AS 1200, ASA 1202, ASR 2025, ASR 2050 and SHR 2050 M                      Length: 200 mm</p>	6.30323*
 <p><b>Rubber Nozzle</b>                      Length: 200 mm</p>	6.30324*

Which filter bags/filter cassettes fit which extraction unit?

Filter bags/filter cassettes				Order no.	AS 20 L AS 1200 ASA 1201	ASA 32 L ASA 1202	ASA 25 L PC	ASA 30 L PC Inox	ASR 25 L SC ASR 2025 ASA 2025	ASR 50 L SC ASR 2050 SHR 2050 M	ASR 50 M SC	ASR 35 L AutoClean, ASR 35 M AutoClean
Paper Filter Bag		5 pcs.	20l	6.31754	■							
		5 pcs.	25l	6.31935					■			
		5 pcs.	32l	6.31757		■						
		5 pcs.	50l	6.31936						■	■	
PE Disposal Bag		5 pcs.	35/50l	6.30325							■	■
		5 pcs.	25/30l	6.30298			■	■				
Fleece Filter Bag		5 pcs.	25/35l	6.30343					■			■
		5 pcs.	45/50l	6.30359						■	■	
Pleated Filter		1 pcs.		6.31753	■	■						
		1 pcs.		6.30299			■	■				
		5 pcs.	25/30l	6.30296			■	■				
Filter Cassettes		2 pcs.	Cellulose	6.31933					■	■	■	■
		2 pcs.	Polyester	6.31934					■	■	■	■
		2 pcs.	Polyester nano-coated	6.31894					■	■	■	■

Filter Bag

PE Disposal Bag		Order no.
	<p><b>PE Disposal Bag - 25/30 l</b></p> <ul style="list-style-type: none"> <li>■ Clean, simple and fast removal and disposal suitable for: ASA 25 L PC, ASA 30 L PC Inox</li> </ul> Sales unit: 5	6.30298
	<p><b>PE Disposal Bag - 35/50 l</b></p> <ul style="list-style-type: none"> <li>■ 20 times the volume of paper filter bags. PE filter bags cannot become blocked with fine dust (quartz dust in particular) like paper filter bags.</li> <li>■ Especially suitable for stone dusts</li> <li>■ Meet the requirements for M and H class vacuums</li> <li>■ Clean, simple and fast removal and disposal suitable for: ASR 35 L AutoClean, ASR 35 M AutoClean, ASR 50 M SC</li> </ul> Sales unit: 5	6.30325
Fleece Filter Bag		Order no.
	<p><b>Fleece Filter Bags – 25/30 l</b></p> <ul style="list-style-type: none"> <li>■ Fleece filter bags are better and easy to open out than paper ones</li> <li>■ Improved mechanical stability</li> </ul> suitable for: ASA 25 L PC, ASA 30 L PC Inox Sales unit: 5	6.30296
	<p><b>Fleece Filter Bags – 25/35 l</b></p> <ul style="list-style-type: none"> <li>■ Fleece filter bags are better and easy to open out than paper ones</li> <li>■ Improved mechanical stability</li> </ul> Suitable for all all-purpose and special suction units with a maximum container volume of 25/35 l suitable for: ASR 35 L AutoClean, ASR 35 M AutoClean, ASR 25 L SC Sales unit: 5	6.30343
	<p><b>Fleece Filter Bags – 45/50 l</b></p> <ul style="list-style-type: none"> <li>■ Fleece filter bags are better and easy to open out than paper ones</li> <li>■ Improved mechanical stability</li> </ul> suitable for: ASR 50 L SC, ASR 50 M SC Sales unit: 5	6.30359
Paper Filter Bag		Order no.
	<p><b>Paper Filter Bag, 20-litre</b></p> suitable for: AS 1200, ASA 1201, AS 20 L Sales unit: 5	6.31754*
	<p><b>Paper Filter Bag, 50-litre</b></p> suitable for: ASA 9050, ASR 1250, SHO 1150 Sales unit: 5	6.31349
	<p><b>Paper Filter Bag, 25-litre</b></p> suitable for: ASA 2025, ASR 2025, ASR 35 L AutoClean, ASR 35 M AutoClean, ASR 25 L SC Sales unit: 5	6.31935*
	<p><b>Paper Filter Bag, 50-litre</b></p> suitable for: ASR 2050, SHR 2050 M, ASR 50 L SC, ASR 50 M SC Sales unit: 5	6.31936
	<p><b>Paper Filter Bag, 32-litre</b></p> suitable for: ASA 1202, ASA 32 L Sales unit: 5	6.31757*
	<p><b>Paper Filter Bag, 27 litre</b></p> suitable for: ASA 9011 Sales unit: 5	6.31348

Additional Accessories for All-purpose Vacuum Cleaners

	Order no.
 <p><b>Paper Prefilter</b>                      ■ Prevents the pleated filter from becoming clogged with dirt and dust                      suitable for: ASA 9050, ASR 1250                      Sales unit: 5</p>	6.31345
 <p><b>Polyester Prefilter</b>                      ■ Prevents the pleated filter from becoming clogged with dirt and dust                      suitable for: AS 1200, ASA 1201, ASA 1202, AS 20 L, ASA 32 L                      Sales unit: 1</p>	6.31967
 <p><b>Pleated Filter</b>                      ■ Corresponds to dust class M.                      suitable for: ASA 25 L PC, ASA 30 L PC Inox                      Sales unit: 1</p>	6.30299
 <p><b>Pleated Filter</b>                      ■ Corresponds to dust class M.                      suitable for: AS 1200, ASA 1201, ASA 1202, AS 20 L                      Sales unit: 1</p>	6.31753
 <p><b>Paper Filter Cassettes</b>                      ■ Corresponds to dust class M.                      suitable for: ASA 2025, ASR 2025, ASR 2050, SHR 2050 M, ASR 35 L AutoClean, ASR 35 M AutoClean                      Sales unit: 2</p>	6.31933
 <p><b>2 Polyester Filter Cassettes</b>                      ■ Corresponds to dust class M.                      ■ Also suitable for absorbing graphite/toner and vacuuming liquids                      suitable for: ASA 2025, ASR 2025, ASR 2050, SHR 2050 M, ASR 35 L AutoClean, ASR 35 M AutoClean                      Sales unit: 2</p>	6.31934
 <p><b>2 HEPA filter cassettes</b>                      ■ Corresponds to dust class H.                      ■ HEPA = high efficiency particular airfilter                      ■ Keeps back 99.995% of fine dusts over 3 µ                      suitable for: ASR 2025, ASR 2050, SHR 2050 M, ASR 35 L AutoClean, ASR 35 M AutoClean                      Sales unit: 2</p>	6.30326
 <p><b>2 Nano Polyester Filter Cassettes</b>                      ■ Suitable for fibrous fine dusts; e.g. when cutting and grinding Fermacell boards, plasterboard and MDF boards                      ■ Larger pleat distance for better, easier cleaning of the filter                      ■ Smooth filter material (surface nano-coated); therefore significantly higher volume flow for a longer time                      ■ Corresponds to dust class M                      suitable for: ASR 25 L SC, ASR 50 M SC, ASR 50 L SC, ASR 35 L AutoClean, ASR 35 L AutoClean Plus, ASR 35 M AutoClean, ASR 35 M AutoClean Plus                      Sales unit: 2</p>	6.31894
 <p><b>Cable Clips</b>                      ■ For affixing the cables of power tools to the suction hose of the all-purpose or specialist suction unit                      ■ Suitable for all all-purpose and special suction units with a hoses with Ø 27 mm and Ø 35 mm                      Sales unit: 10</p>	6.30313
 <p><b>Carrying Handle</b>                      ■ Very light and easily mobile as a result                      ■ Including spring cotter                      suitable for: ASR 35 L AutoClean, ASR 35 M AutoClean</p>	6.30311
 <p><b>Metadepot</b>                      ■ Extremely robust, unbreakable boxes with a wide carrying handle                      ■ Permits combining the Metabo all-purpose vacuum cleaners with the MetaLoc system                      suitable for: ASR 2025, ASR 2050, SHR 2050 M, ASR 25 L SC, ASR 50 L SC, ASR 50 M SC                      Sales unit: 1</p>	6.31937

Clean Air - Clean Work: Chip and Dust Extraction Units

With the chip and dust extraction systems from Metabo you can work without the hazard of harmful dust and maintain a clean working place. The professional extraction unit SPA 2002 from Metabo bearing the GS mark H3 complies with the purity and safety requirements for commercially operated vacuum cleaners and has been approved for commercial application without further modification.

**Strong suction power**  
 due to optimised ratio between nominal flow value and appropriate negative pressure; controllable using manometers.

**Well protected**  
 All components are well protected thanks to the powder-coated sheet metal housing.

**Immediately ready to use**  
 An suction hose with 2.50 m length is included in the scope of delivery.

**Practical release levers**  
 for quick emptying of chip sack in collection container.



**Powerful motor**  
 The SPA 2002 D has a motor rating of 1,500 Watt.

**Soundproof**  
 The tool permits comfortable working with a volume of 75 dB(A).

**Stable stand and mobile**  
 The chip extraction unit is always mobile due to the high-quality wheels.

e.g. SPA 2002 D



**Always mobile**  
 Overall weight only 35 kg - ideal for mobile use. Even the collection container has its own wheel set.



**Very practical**  
 The lateral depth stop adjustment and a front chip removal indicator aids the user when working as the fill level of the collection container can be checked via a window.



**Simple and effective.**  
 The filter can be cleaned manually also during operation.



Technical Data	Chip and Dust Extraction Unit SPA 1200	Chip and Dust Extraction Unit SPA 1702 W
Dimensions L x W x H	830 x 450 x 1,600 mm	882 x 562 x 1,671 mm
Max. Vacuum	1,600 Pa	1,730 Pa
Max. Flow	900 m³/h	1,010 m³/h
Filter Area	1 m²	1.1 m²
Hose Connection Ø	100 mm	100 mm
Dustsack Volume	65 l	90 l
Mains Voltage	230 V	230 V
Rated input power	0.55 kW	0.75 kW
Weight	22 kg	24 kg

Scope of delivery	6.01205	0130170100
Order no.		
Suction Hose 100 x 2500 mm	■	■
Filter bag made of needlefelt	■	■
Chip Collection Bags	■	■

- Product Advantages**
- Integrated grounding as protection from electrostatic charge
  - Raw air extraction device for (semi) stationary wood processing machines (observe country-specific regulations!)
  - Significantly reduces dust content
  - Filter material of dust class L
  - Quick change of the application location by means of table wheels and simple connection
  - Stable stand with supported chip collection bag
  - Comprehensive range of accessories: automatic switch-on devices, filter cartridges, hoses and adapters

**System Components**

410 → Accessories



Technical Data	Chip and Dust Extraction Unit SPA 2002 W	Chip and Dust Extraction Unit SPA 2002 D
Dimensions L x W x H	1,178 x 650 x 1,973 mm	1,178 x 650 x 1,973 mm
Max. Vacuum	2,124 Pa	2,124 Pa
Max. Flow	790 m³/h	790 m³/h
Filter Area	4.1 m²	4.1 m²
Hose Connection Ø	100 mm	100 mm
Dustsack Volume	135 l	135 l
Mains Voltage	230 V	400 V
Rated input power	1.1 kW	1.5 kW
Weight	114 kg	116 kg

Scope of delivery	0130200100	0130200110
Order no.		
Suction Hose 100 x 2500 mm	■	■

- Product Advantages**
- High torque three-phase motor
  - Raw air extraction device, meets the purity and safety requirements of the regulation GS-HO-07
  - User protection by means of continuous compliance of only 0.1 mg/m³ residual dust content (dust class M)
  - Released for commercial use
  - For connection to stationary and semi-stationary woodworking machines
  - Optimum ratio of flow and vacuum for maximum performance
  - Cyclone technology goes easy on the filter for extended maintenance intervals
  - Manometer for monitoring the minimum air volume flow
  - Easy and effective filter cleaning, even during operation
  - Stable stand with supported chip collection bag
  - Collection container with own wheels for easy transport of the chips
  - Release lever for quick changing of dust sack.
  - Window for checking fill level of bin.
  - Comprehensive range of accessories: automatic switch-on devices, filter cartridges, hoses and adapters

**System Components**

410 → Accessories

01  
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Automatic Switch-on Devices

- Automatic switching on and off of the chip and dust extraction unit after the wood processing machine has been switched on or off
- Time-delayed: in this way, even residual dust is extracted

	Order no.
 <p><b>Automatic Switch-on Device ALV 1</b> 2 Alternating Current Sockets ( 230 V ) 200 VA - 2300 VA IP 44 340 g Mains Voltage 220-240 V Mains Frequency: 50/60 Hz Dimensions: 158 x 116 x 60 mm suitable for: SPA 1000, SPA 1100, SPA 1701 W, SPA 2001 W, SPA 1101, SPA 1702 W, SPA 2002 W, SPA 1200</p>	0913014626
 <p><b>Automatic Switch-on Device ALV 10</b> 2 Alternating Current Sockets ( 230 V ) 2 Three-phase Sockets ( 400 V ) Mains connection with phase inverter Mains Voltage: 220-240 V / 380-400 V 4 Screwing Options M5 x 7.2 mm IP 44 Mains Voltage: 230/400 V Mains Frequency: 50/60 Hz Fuse Protection: T 16 A Dimensions: 235 x 106 x 155 mm suitable for: SPA 1000, SPA 1700 D, SPA 2000 D, SPA 1100, SPA 1701 W, SPA 2001 W, SPA 2001 D, SPA 1101, SPA 1702 W, SPA 2002 W, SPA 2002 D, SPA 1200</p>	0913014634

Filter Cartridges

- Filters the finest dust particles

	Order no.
 <p><b>Filter Cartridge</b> Filter area 5.2 m<sup>2</sup> Ø 327 x 857 mm Corresponds to dust class M suitable for: SPA 1000, SPA 1100, SPA 1101</p>	0913005058
<p><b>Filter Cartridge</b> Filter area 5.2 m<sup>2</sup> Ø 327 x 857 mm Corresponds to dust class M suitable for: SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 1200</p>	0920016529
<p><b>Filter Cartridge</b> Assortment pack of pocket filters with mounted filter plate (as spare) Corresponds to dust class M suitable for: SPA 2001 W, SPA 2001 D, SPA 2002 W, SPA 2002 D</p>	0913059441

Chip Collector Bags

	Order no.
 <p><b>Chip Collection Bags</b> suitable for: SPA 1000, SPA 1100, SPA 1101 Sales unit: 10</p>	0913007123
<p><b>Chip Collection Bags</b> suitable for: SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 1200 Sales unit: 10</p>	0913017617
<p><b>Chip Collection Bags</b> suitable for: SPA 2000 D Sales unit: 10</p>	0913013581
<p><b>Chip Collection Bags</b> suitable for: SPA 2001 W, SPA 2001 D, SPA 2002 D, SPA 2002 W Sales unit: 10</p>	0913059433

Suction Hoses, Ø 100 mm



Length m	Diameter mm	Order no.
5	100	7854112915
10	100	7854115035

Hose Connection Sets, Ø 100 mm



	Order no.
<p><b>Hose Connection Set</b> Length: 2.5 m</p> <p>suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 1200</p>	0913010779
<p><b>Hose Connection Set</b> Length: 2 m</p> <p>Low flammability with inserted earth cable suitable for: SPA 2000 D, SPA 2001 W, SPA 2001 D, SPA 2002 D, SPA 2002 W</p>	0913013565

Suction Adapter

	Order no.
 <p><b>Suction Adapter KGS</b> For connecting the crosscut and mitre saws to the Metabo multi-purpose vacuum cleaner suitable for: KGS 255, KGS 301, KGS 303, KGS 305, KGT 300</p>	0910059955*
 <p><b>Suction Adapter Multi</b> For KS 216 M Lasercut/KGS 216 M/KGS 254 M/KS 254 Plus/KS 305 Plus/KGS 255 /KGS 305 /KGT 300/TS 250 For KGS 303 only with chip and dust extraction unit order no. 0910057561 suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W, SPA 1200</p>	0910058010*
 <p><b>Suction Adapter</b> For the connection of wet/dry vacuum cleaners to the wood processing machines suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	0910031260*
 <p><b>Universal Adapter</b> As a coupling for transition ring or extraction nozzle DH 330 As a hose connection for the cleaning nozzle suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	0913031288

**Diversions**

	Order no.
 <p><b>Diverter</b> For connecting 2 hoses to the chip and dust extraction unit</p> <p>suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	<b>0913031296</b>

**Nozzles**

	Order no.
 <p><b>Cleaning Nozzle</b> For cleaning floors and machines</p> <p>suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	<b>0913031270</b>

**Transition Rings**

	Order no.
 <p><b>Transition Ring</b> As a coupling for the universal adapter and for the diversion Supplied as standard with all chip and dust extraction units</p> <p>suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	<b>0913031300*</b>



# Case Systems Bags Occupational Safety

\* Self-service packaging

MetaLoc



- Extremely robust, unbreakable boxes with a wide carrying handle
- Internally and externally, a very carefully thought out box system. Used correctly you can always ensure that you have the correct accessory with the right tool. Special inserts for storing accessories and small parts
- ...and transferring them from box to box - boxes can be stacked and connected - well-structured, clearly arranged storage system, for the workshop, the vehicle, anywhere.
- Numerous possible uses, e.g. with individually configurable foam inserts (accessories)
- The MetaLoc stays in shape – even at extreme temperatures (-40° to +90°C)
- No protruding parts, and thus no danger of getting caught up, e.g. on building sites

MetaLoc for Machines



**MetaLoc I**  
396 x 296 x 105 mm

	Order no.
<b>MetaLoc I</b> Empty MetaLoc I, without inserts	6.26430
<b>MetaLoc I</b> Suitable for paint remover LF 724	6.26434
<b>MetaLoc I</b> Suitable for PowerMaxx 12, PowerImpact, PowerMaxx BS, PowerMaxx SSD	6.26440
<b>MetaLoc I</b> Suitable for PowerMaxx ASE	6.26441



**MetaLoc II**  
396 x 296 x 157.5 mm

	Order no.
<b>MetaLoc II</b> MetaLoc II, empty, without inserts	6.26431
<b>MetaLoc II</b> Suitable for all angle grinders up to Ø 125 mm	6.26439
<b>MetaLoc II</b> Suitable for SRE 4350/ 4351 TurboTec	6.26442
<b>MetaLoc II</b> Suitable for STE/ STEB 140, STA 18 LTX, STA 18 LTX 140	6.26443
<b>MetaLoc II</b> Suitable for BE 75/ 1300 Quick, SBE 850	6.26444
<b>MetaLoc II</b> Suitable for KHE 2650	6.26445
<b>MetaLoc II</b> Suitable for all cordless drills/screwdrivers	6.26446
<b>MetaLoc II</b> Suitable for all hot air guns	6.26447



**MetaLoc III**  
396 x 296 x 210 mm

	Order no.
<b>MetaLoc III</b> Empty MetaLoc III without inserts	6.26432
<b>MetaLoc III</b> Suitable for SXE 425/ 450 TurboTec	6.26436



**MetaLoc IV**  
396 x 296 x 315 mm

	Order no.
<b>MetaLoc IV</b> Empty MetaLoc IV without inserts	6.26433
<b>MetaLoc IV</b> Suitable for OFE 1229	6.26435
<b>MetaLoc IV</b> Suitable for KSE 55 Vario	6.26437
<b>MetaLoc IV</b> Suitable for KS 66 Plus, KS 68 Plus	6.26438

MetaLoc with accessory inserts

	Order no.
 <b>MetaLoc I</b> ■ MetaLoc I with removable small part boxes	6.26448
 <b>MetaLoc I</b> ■ MetaLoc I with flexible partitions	6.26450
 <b>MetaLoc II</b> ■ MetaLoc II with perforated foam insert	6.26449

Metadepot

	Order no.
 <b>Metadepot</b> ■ For practical storage of pipes, cables and accessories. ■ Permits the combination of the Metabo all-purpose vacuum cleaners with the MetaLoc system ■ suitable for: ASR 2025, ASR 2050, SHR 2050 M, ASR 25 L SC , ASR 50 L SC, ASR 50 M SC	6.31937

## Plastic Carry Case

## Plastic Carry Case MC 10 / MC 20



- A plastic carry case made from particularly strong material and robust metal fasteners that guarantee a long service life of the case.
- Optimised handle for effortless carrying of two carry cases in the same hand.
- Optional extension of the case by the accessory boxes "PlusBox R" and "PlusBox L" (accessories). Up to 2 Plus Boxes can be attached to the side of the carry case.

	Order no.
<b>Plastic Carry Case MC 20 neutral</b> Plastic carry case with perforated foam inlay for customisation. Suitable for Metabo drills and impact drills, Cordless screwdriver, cordless impact drill, hammer drills, combi hammers, multi hammers (2-3 kg class), all Metabo angle grinders (mains or cordless) up to disks - 125 mm Ø, lacquer cutter, jigsaws, screwdrivers, ... Dimensions: 495 x 320 x 132 mm	6.23854
<b>Plastic Carry Case MC 20 WS</b> Plastic carry case suitable for all Metabo angle grinders up to disc Ø 125 mm. Dimensions: 495 x 320 x 132 mm	6.23857
<b>Plastic Carry Case MC 10 Battery Pack BS / Battery Pack SB</b> Plastic carry case suitable for all cordless drill screwdrivers, cordless impact drills and cordless impact drills Dimensions: 495 x 320 x 112 mm	6.23855
<b>Plastic Carry Case MC 10 BH/SB</b> Plastic carry case suitable for all rotary drills, combination hammers, multi hammers (2-3 kg class) and all impact drills Dimensions: 495 x 320 x 112 mm	6.23856
<b>Plastic Carry Case MC 10 STE</b> Plastic carry case suitable for all Metabo jigsaws with aluminium diecast gear housing Dimensions: 495 x 320 x 112 mm	6.23858
<b>Plastic Carry Case MC 05 neutral</b> Plastic carry case with perforated foam inlay for customisation. Suitable for Metabo cordless drill/screwdrivers, cordless impact drills, paint removers, jigsaws, screwdrivers etc. Dimensions: 390 x 320 x 111.5 mm	6.23860
<b>Plastic Carry Case MC 05 Battery Pack BS / Battery Pack SB</b> Plastic carry case suitable for all cordless drill screwdrivers, cordless impact drills and cordless impact drills Dimensions: 390 x 320 x 111.5 mm	6.23859

## Accessory boxes for carry case MC 10 / MC 20



- Plastic accessory box for individual storage of diverse accessories.
- Optional extension of tool machine case MC 10 and MC 20
- Up to 2 Plus Boxes can be attached to the side of the carry case.
- Equipped with three partitions and wall mounting as standard

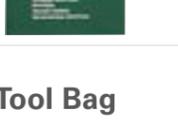
	Order no.
<b>PlusBox L</b> Especially for fixing on the left side of the case Dimensions: 116 x 320 x 112 mm	6.23851
<b>PlusBox R</b> Especially for fixing on the right side of the case Dimensions: 116 x 320 x 112 mm	6.23852



## More plastic carry cases

	Order no.
 <b>Plastic Carry Case</b> Carry case suitable for SXE 425 Turbo Tec, SXE 450 Turbo Tec, SXE 425, SXE 425 XL, SXE 450 Duo Dimensions: 165 x 515 x 275 mm	6.23894
 <b>Plastic Carry Case</b> Plastic carry case suitable for all Metabo angle grinders with disc Ø 180 mm and 230 mm Dimensions: 175 x 730 x 315 mm	6.25451

## Sheet Steel Carry Cases

	Order no.
 <b>Sheet Steel Carry Case</b> For all angle grinders with grinding disc diameters of 180 mm and 230 mm Dimensions: 170 x 675 x 275 mm	6.23874
 <b>Sheet Steel Carry Case</b> For planer Ho 0882 Dimensions: 195 x 395 x 285 mm	6.31382
 <b>Sheet Steel Carry Case</b> For sander Sr 226, Sr E 227, Sr 356, Sr E 357, Sr 358, Sr E 359 Dimensions: 125 x 395 x 205 mm	6.31396
 <b>Sheet Steel Carry Case</b> For all angle grinders with grinding disc Ø 115 mm and 125 mm Dimensions: 185 x 395 x 135 mm	6.31397
 <b>Sheet Steel Carry Case</b> For tacker Ta E 2019, Ta E 3030, Ta E 3034 Dimensions: 85 x 395 x 285 mm	6.31416

## Tool Bag

	Order no.
 <b>Tool Bag (small)</b> <ul style="list-style-type: none"> <li>■ The compact and light Metabo tool bag in green/black colour</li> <li>■ On the inside of the bag there are three bag separations with Velcro straps for two battery packs and one charger</li> <li>■ On the outside there is a spacious pocket with zipper and two other small pockets at the left and right head with Velcro closure for quick access</li> <li>■ Comfortable side pads and padded shoulder strap</li> <li>■ Three reflective Metabo logos for optimum visibility on the construction site</li> <li>■ Stable, integrated base plate with strips to protect the bag contents</li> <li>■ Material: water-repellent and tear-proof 600D Polyester</li> <li>■ Dimensions (LxWxH): 460 mm x 260 mm x 280 mm</li> </ul>	6.57006
 <b>Tool Bag (large)</b> <ul style="list-style-type: none"> <li>■ The large, practical Metabo tool bag in green/black colour</li> <li>■ On the inside of the bag there are five bag separations with Velcro straps for three battery packs, one charger and accessories</li> <li>■ On the outside there are two spacious pockets with zipper and three other small pockets for quick access</li> <li>■ Comfortable side pads and padded shoulder strap</li> <li>■ Three reflective Metabo logos for optimum visibility on the construction site</li> <li>■ Stable, integrated base plate with strips to protect the bag contents</li> <li>■ Material: water-repellent and tear-proof 600D Polyester</li> <li>■ Dimensions (LxWxH): 670 mm x 290 mm x 325 mm</li> </ul>	6.57007

Safety Goggles		Order no.
	<b>Protective Goggles</b> <ul style="list-style-type: none"> <li>With pantoscopic angle and length adjustment, specially shaped side pieces</li> <li>Indirect ventilation</li> <li>Fast and easy lens change</li> <li>Special coating (outside scratch-proof, inside anti-fog)</li> <li>Lens colourless, UV 2 - 1.2</li> </ul>	6.23750*
	<b>Full-view safety goggles</b> <ul style="list-style-type: none"> <li>Very comfortable full-view safety goggles. No pressure points caused by wearing the goggles for long periods of time due to the combination of two different materials (hard and soft components). The excellent ventilation leaves the eye area feeling pleasant and free from irritation. Also suitable for people who wear glasses.</li> <li>Special coating (outside scratch-proof, inside anti-fog)</li> <li>Lens colourless, UV 2 - 1.2</li> </ul>	6.31071*

Ear Protection		Order no.
	<b>Ear Protection (M3)</b> <ul style="list-style-type: none"> <li>Folding Earmuff</li> <li>Is equipped with a high-quality steel headband and two point suspension, thus offering optimum protection and wearing comfort, particularly if worn for a long time</li> <li>Low weight of only 239 grammes</li> <li>Attenuation values: SNR 31 dB, H: 34 dB, M: 29 dB, L: 21 dB</li> </ul>	6.23753*
	<b>Headband mounted ear defenders (foldable)</b> <ul style="list-style-type: none"> <li>Innovative design guarantees comfortable fit thanks to uniquely shaped oval and soft foam plugs</li> <li>Ergonomically designed; reduces the transmission of interfering sounds by avoiding friction of the headband at the clothing</li> <li>Very low weight: only 8 gramme</li> <li>Set incl. 1 pair of replacement plugs</li> <li>Attenuation values: SNR 23 dB, H: 26 dB, M: 18 dB, L: 17 dB</li> </ul>	6.23754

Fine Dust Masks		Order no.
	<b>3 x Breathing Masks (FFP 2)</b> <ul style="list-style-type: none"> <li>Protection from hazardous substances up to 10 times the limit value</li> <li>Breathing semi-mask with exhalation valve for highest safety (En 149; safety level FFP 2)</li> <li>Exhalation valve reduces heat and humidity under the mask</li> <li>High compatibility with safety goggles by virtue of optimised design</li> <li>Seamless all-round head band for comfortable and safe fit of the mask; packaging unit: 3 pieces</li> <li>Safety level FFP 2: For noxious dusts or dust of minor toxicity, mist and smoke; filter for solid and liquid particles with medium retention capacity; usable up to 10 times the respective limit value</li> </ul>	6.23755*
	<b>Breathing mask (FFP 3)</b> <ul style="list-style-type: none"> <li>Protection from hazardous substances up to 30 times the limit value</li> <li>Breathing semi-mask with exhalation valve for highest safety (En 149; safety level FFP 3)</li> <li>Exhalation valve reduces heat and humidity under the mask</li> <li>High compatibility with safety goggles by virtue of optimised design</li> <li>Seamless all-round headband for comfortable and safe fit of the mask. All-round comfort seal prevents fogging of the goggles</li> <li>Safety level FFP 2: For toxic dusts, mist and smoke; filter for solid and liquid aerosols with great retention capacity; usable up to 30 times the respective limit value</li> </ul>	6.23756*

## Working gloves M1



- Tailored protective glove
- Finish made from easy-grip, soft Amara leather on the palm, high degree of flexibility and grip
- Protection from mechanical stress
- Abrasion-proof, breathable
- Does not contain any substances known to cause allergies
- DIN EN 388 (2121)

Working Gloves M1, size 9  
Working Gloves M1, size 10

Order no.

6.23757\*

6.23758\*

## Working Gloves M2



- Ideally shaped 5-finger knitted glove made from PA/Spandex, palm coated in black Nitrile/PU
- Breathable
- Excellent safe grip
- Does not contain any substances known to cause allergies
- DIN EN 388 (3131)

Working Gloves M2, size 9  
Working Gloves M2, size 10

Order no.

6.23759\*

6.23760\*

\* Self-service packaging

# M+ System: Machine and Accessories perfectly synchronised for maximum performance



## Reliable quality tools for any application

We are the specialist for the metal trade and industry, and the ideal partner when drilling/screwdriving, cutting/grinding and sawing in the building sector.

## The M+ System: Metabo Machine + Metabo Accessories for precise cuts

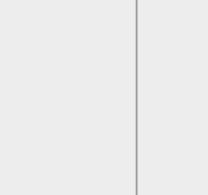


Even during the development phase at Metabo, machines and accessories are optimally adjusted to one another and tested. Your added benefit: Maximum performance for sawing thanks to Metabo+ System effect.



## Semi-stationary Wood Processing

# Which crosscut saw for which application?

Comparative Technical Values											
	KS 216 M Lasercut / KS 18 LTX 216	KGS 216 M / KGS 18 LTX 216	KGSV 216 M	KGS 254 M	KGS 305 M	KS 254 Plus	KS 305 Plus	KGS 216 Plus	KGS 254 Plus	KGS 315 Plus	KGS 254 I Plus
Maximum crosscut of the workpieces at 90°/90°	 60 mm 120 mm	 65 mm 305 mm	 65 mm 305 mm	 92 mm 305 mm	 105 mm 305 mm	 60 mm 145 mm	 77 mm1) 200 mm	 70 mm 305 mm	 90 mm 305 mm	 120 mm 320 mm	 90 mm 305 mm
Maximum crosscut of the workpieces at 45°/45°	 45 mm 80 mm	 36 mm 205 mm	 36 mm 205 mm	 47 mm 205 mm	 67 mm 205 mm	 30 mm 100 mm	 35 mm 140 mm	 41 mm 214 mm	 54 mm 214 mm	 76 mm 223 mm	 54 mm 214 mm
Supporting surface L x W	725 x 155 mm	730 x 345 mm	730 x 345 mm	775 x 340 mm	775 x 340 mm	1,010 x 225 mm	1,080 x 225 mm	830 x 365 mm	1,000 x 365 mm	1,070 x 365 mm	1,000 x 365 mm
Saw blade/Number of teeth*	Ø 216 mm/40	Ø 216 mm/40	Ø 216 mm/60	Ø 254 mm/48	Ø 305 mm/56	Ø 254 mm/48	Ø 305 mm/80	Ø 216 mm/48	Ø 254 mm/60	Ø 315 mm/84	Ø 254 mm/60
Adjustment possibility: ■ Turntable left/right (maximum) ■ Saw head left/right (maximum)	47°/47° 47°/0°	47°/47° 47°/0°	47°/47° 47°/0°	47°/47° 47°/0°	47°/47° 47°/0°	47°/58° 47°/47°	47°/58° 47°/47°	47°/55° 46°/46°	47°/60° 46°/46°	47°/60° 46°/46°	47°/60° 46°/22,5°
Rated input power (S6 20%)	1,350 W / 18 V	1,500 W / 18 V	1,700 W	1,800 W	2,000 W	1,800 W	2,000 W	1,600 W	2,000 W	2,200 W	1,800 W
Weight	9.4 kg / 9.6 kg	13.5 kg / 13.8 kg	13.5 kg	16.3 kg	19.6 kg	18 kg	19 kg	21 kg	24 kg	26 kg	32.5 kg

\* Number of teeth on the standard saw blade  
1) with additional stop (D x W) 100 x 150 mm

Application	KS 216 M Lasercut / KS 18 LTX 216	KGS 216 M / KGS 18 LTX 216	KGSV 216 M	KGS 254 M	KGS 305 M	KS 254 Plus	KS 305 Plus	KGS 216 Plus	KGS 254 Plus	KGS 315 Plus	KGS 254 I Plus
Cutting work when mobile	■■■	■■■	■■■	■■■	■■■	■■	■■	■■■	■■	■■	■
Preparation work at the workshop	■	■■	■■	■■	■■■	■■■	■■■	■■■	■■■	■■■	■■■
Clean sawing in closed spaces	■■	■■	■■	■■	■■	■■	■■	■■■	■■■	■■■	■■■
Cutting of aluminium profiles			■■					■■**	■■**	■■**	
Quiet sawing											■■■
Trench cuts		■■■	■■■	■■■	■■■			■■■	■■■	■■■	■■■

\*\* with »multi cut« saw blade (accessory)

Equipment	KS 216 M Lasercut / KS 18 LTX 216	KGS 216 M / KGS 18 LTX 216	KGSV 216 M	KGS 254 M	KGS 305 M	KS 254 Plus	KS 305 Plus	KGS 216 Plus	KGS 254 Plus	KGS 315 Plus	KGS 254 I Plus
Saw blade inclination	left	left	left	left	left	left/right	left/right	left/right	left/right	left/right	left/right
Dust extraction properties	Standard	Effective	Effective	Effective	Effective	Effective	Effective	Optimum (2 point)	Optimum (2 point)	Optimum (2 point)	Optimum (2 point)
Tension function and cutting depth limiter (e.g. for grooved cuts)		●	●	●	●			●	●	●	●
Laser connected to mains power supply	●	●	●	●	●	●	●	●	●	●	●
Work light connected to mains power supply	●	●	●	●	●	○	○	○	○	○	○
Metabo "Quick" saw blade change - no tools required								●	●	●	●
Soft Start			●		●			●	●	●	●
Variable speed			●					●	●	●	
Induction Motor											●

All figures are subject to colour changes.

Application: ■ suitable ■■ very suitable ■■■ optimum Equipment: ● available ○ optional

# KS and KGS M models now also cordless: Mobile, robust and powerful

Our KS and KGS models are really portable machines. The machines are practical for a quick change of location thanks to the transport lock, ergonomic handle and compact dimensions. The workbench made of die-cast aluminium saves weight and makes the saws extremely robust. The cordless models with Ultra-M technology and impressive powerful cutting output provide a high number of cuts per battery charge and offer even more freedom on the construction site.



**Main carry handle**  
Central position for carrying with one hand

**Effective dust extraction**

A large proportion of the saw dust is extracted thanks to the integrated dust scoop

**Laser/LED**

Precise indication of the cutting line by laser; bright LED to illuminate the work area

**Material clamp**

For secure fixing of the work piece from the top or front

**High, movable stop**

For safer cutting of small workpieces, even for inclined cuts

**Setting of angles with stop points**  
For fast and precise setting

**Simple saw blade change**  
With spindle lock, the guard does not need to be removed

**Table Width Extensions**  
Left or right table length extensions, to support longer workpieces, removable



KGS 216 M



**Optimised for transportation:**  
Carrying with one hand, cable winder and lockable saw head & sliding function



**Laser and LED work light (mains powered)**  
for precise cuts and optimum illumination in every working position.



**Powerful Crosscut Saws**  
Efficient and powerful motor with overload protection and motor brake; strong and durable battery pack with 5.2 Ah



NEW



**Technical Data**

Battery pack type	Li-Ion
Battery pack voltage	18 V
Maximum cutting width 90°/45°	120 mm/80 mm
Maximum cutting depth at 90°/45°	60 mm/45 mm
Maximum cross-section of the workpiece	
- Straight cut 90°/90°	120 x 60 mm
- Double mitre 45°/45°	80 x 45 mm
Turntable setting left/right	47 °/47 °
Saw blade tilt left/right	47 °/0 °
Saw Blade	Ø 216 x 30 mm
No-load speed	4,200 /min
Weight (with battery pack)	9.6 kg

**Cordless Crosscut Saw KS 18 LTX 216**

Battery pack type	Li-Ion
Battery pack voltage	18 V
Maximum cutting width 90°/45°	305 mm/205 mm
Maximum cutting depth at 90°/45°	65 mm/36 mm
Maximum cross-section of the workpiece	
- Straight cut 90°/90°	305 x 65 mm
- Double mitre 45°/45°	205 x 36 mm
Turntable setting left/right	47 °/47 °
Saw blade tilt left/right	47 °/0 °
Saw Blade	Ø 216 x 30 mm
No-load speed	4,200 /min
Weight (with battery pack)	13.8 kg



NEW



**Cordless Crosscut Saw KGS 18 LTX 216 with sliding function**

Battery pack type	Li-Ion
Battery pack voltage	18 V
Maximum cutting width 90°/45°	305 mm/205 mm
Maximum cutting depth at 90°/45°	65 mm/36 mm
Maximum cross-section of the workpiece	
- Straight cut 90°/90°	305 x 65 mm
- Double mitre 45°/45°	205 x 36 mm
Turntable setting left/right	47 °/47 °
Saw blade tilt left/right	47 °/0 °
Saw Blade	Ø 216 x 30 mm
No-load speed	4,200 /min
Weight (with battery pack)	13.8 kg

**Scope of delivery**

Order no.	6.19000 available from autumn 2014	6.19001 available from autumn 2014
Carbide Saw Blade (40 teeth)	■	■
2 Table length extensions	■	■
Length guide	■	■
2 Li-Power Battery Packs (18 V/5.2 Ah)	■	■
»AIR COOLED« Quick Charger ASC 30-36 V	■	■

Equipment variants can be found in the Metabo price list and on the internet

**Product Advantages**

- Sliding function for wide work pieces.
- Powerful cordless crosscut saw for assembly jobs with high cutting output
- Long run time per battery charge by means of 5.2 Ah battery pack
- Compact light weight, suitable also for one-handed transport
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Motor brake for quick stop of the saw blade
- Robust die-cast aluminium design for highest demands
- Effective dust extraction via integrated dust scoop.
- Fast and precise setting of common angles using stop points
- Cutting line laser and LED work light with energy-saving automatic switch-off
- Infinitely extendable table width extension, removable to put long panels, skirtings etc. underneath
- High sliding rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front
- Easy saw blade change by means of spindle lock: No dismantling of the pendulum protective cover required
- Chip collection bag for clean air at the workplace
- Battery packs with capacity display for checking the charge status

**System Components**

446 → Accessories

66 → Battery Packs



Technical Data	Crosscut Saw KS 216 M Lasercut	Crosscut Saw KGS 216 M with sliding function	Crosscut Saw KGSV 216 M with sliding function
Dimensions L x W x H	475 x 465 x 285 mm	760 x 475 x 340 mm	760 x 475 x 340 mm
Maximum cutting width 90°/45°	120 mm/80 mm	305 mm/205 mm	305 mm/205 mm
Maximum cutting depth at 90°/45°	60 mm/45 mm	65 mm/36 mm	65 mm/36 mm
Maximum cross-section of the workpiece			
- Straight cut 90°/90°	120 x 60 mm	305 x 65 mm	305 x 65 mm
- Double mitre 45°/45°	80 x 45 mm	205 x 36 mm	205 x 36 mm
Turntable setting left/right	47 °/47 °	47 °/47 °	47 °/47 °
Saw blade tilt left/right	47 °/0 °	47 °/0 °	47 °/0 °
Saw Blade	Ø 216 x 30 mm	Ø 216 x 30 mm	Ø 216 x 30 mm
Rated input power (S1 / S6 20%)	1.100/1,350 W	1.200/1,500 W	1.350/1,700 W
No-load speed	5,000 /min	5,000 /min	3,800 - 5,500 /min
Speed at rated load	3,450 /min	3,750 /min	5,500 /min
Weight	9.4 kg	13.5 kg	13.5 kg
Cable Length	2.0 m	2.0 m	2.0 m

Scope of delivery	6.19216 available from autumn 2014	6.19260 available from autumn 2014	6.19261 available from autumn 2014
Carbide Saw Blade (40 teeth)	■	■	
Carbide Saw Blade (60 teeth)			■
2 Table length extensions	■	■	■
Length guide	■	■	■
Cable winder		■	■

- Product Advantages**
- Sliding function for wide work pieces.
  - Speed control for increased range of applications
  - With saw blade »multi cut« (flat/trapezoidal tooth) for high cutting quality and long service life e.g. in laminate and aluminium profiles
  - Sliding function for wide work pieces.
  - Compact light weight, suitable also for one-handed transport
  - Robust die-cast aluminium design for highest demands
  - Easy transport thanks to ergonomically-designed handles and saw head lock
  - Effective dust extraction via integrated dust scoop.
  - Fast and precise setting of common angles using stop points
  - Laser for exact display of the cutting line (mains powered, no batteries required)
  - Infinitely extendable table width extension, removable to put long panels, skirtings etc. underneath
  - Bright LED work light for illumination of the cutting line (mains powered, no batteries required)
  - High sliding rear fence profiles for safe sawing
  - Material clamp for secure fixing of the work piece from the top or front
  - Easy saw blade change by means of spindle lock: No dismantling of the pendulum protective cover required

**System Components**

446 ▶ Accessories | 393 ▶ Extraction Systems



Technical Data	Crosscut Saw KGS 254 M with sliding function	Crosscut Saw KGS 305 M with sliding function
Dimensions L x W x H	790 x 515 x 515 mm	850 x 515 x 615 mm
Maximum cutting width 90°/45°	305 mm/205 mm	305 mm/205 mm
Maximum cutting depth at 90°/45°	92 mm/47 mm	105 mm/67 mm
Maximum cross-section of the workpiece		
- Straight cut 90°/90°	305 x 92 mm	305 x 105 mm
- Double mitre 45°/45°	205 x 47 mm	205 x 67 mm
Turntable setting left/right	47 °/47 °	47 °/47 °
Saw blade tilt left/right	47 °/0 °	47 °/0 °
Saw Blade	Ø 254 x 30 mm	Ø 305 x 30 mm
Rated input power (S1 / S6 20%)	1.450/1,800 W	1.600/2,000 W
No-load speed	4,500 /min	3,700 /min
Speed at rated load	3,150 /min	2,600 /min
Weight	16.3 kg	19.6 kg
Cable Length	2.0 m	2.0 m

Scope of delivery	6.02540 available from autumn 2014	6.19305 available from autumn 2014
Carbide Saw Blade (48 teeth)	■	
Carbide Saw Blade (56 teeth)		■
2 Table length extensions	■	■
Length guide	■	■
Cable winder	■	■

- Product Advantages**
- Enormous cutting performance due to extremely powerful universal motor and large saw blade
  - Starting current limitation prevents the actuation of the lock on start-up
  - Sliding function for wide work pieces.
  - Compact light weight, suitable also for one-handed transport
  - Robust die-cast aluminium design for highest demands
  - Easy transport thanks to ergonomically-designed handles and saw head lock
  - Effective dust extraction via integrated dust scoop.
  - Fast and precise setting of common angles using stop points
  - Laser for exact display of the cutting line (mains powered, no batteries required)
  - Infinitely extendable table width extension, removable to put long panels, skirtings etc. underneath
  - Bright LED work light for illumination of the cutting line (mains powered, no batteries required)
  - High sliding rear fence profiles for safe sawing
  - Material clamp for secure fixing of the work piece from the top or front
  - Easy saw blade change by means of spindle lock: No dismantling of the pendulum protective cover required

**System Components**

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# KS Plus Models: Precise Cutting

Quick, clean and safe - this is working with the KS Plus models from Metabo. The pivoting saw head can be inclined on both sides, delivering highly precise results even for mitre cuts, inclined cuts and shift cuts. The powerful motor guarantees clean cuts, the effective chip extraction a clean workplace. The perfect ergonomics and the simple operation of the KS Plus models make working more comfortable and safer.



KS 305 Plus



**Material clamp:**  
The workpiece can be mounted from top or front for safe processing.



**Adjustable rear fences for added work piece support**  
for safer processing of small workpieces, even for inclined cuts



**Flexible LED Work Light (accessory)**  
for illumination of the working area



**Technical Data**

	Crosscut Saw KS 254 Plus	Crosscut Saw KS 305 Plus
Dimensions L x W x H	723 x 684 x 580 mm	725 x 758 x 637 mm
Maximum cutting width 90°/45°	145 mm/100 mm	200 mm/140 mm
Maximum cutting depth at 90°/45°	90 mm/40 mm	100 mm/45 mm
Maximum cross-section of the workpiece		
- Straight cut 90°/90°	145 x 60 mm / 108 x 90 mm	200 x 77 mm / 152 x 100 mm
- Double mitre 45°/45°	100 x 30 mm	140 x 35 mm
Turntable setting left/right	47 °/58 °	47 °/58 °
Saw blade tilt left/right	47 °/47 °	47 °/47 °
Saw Blade	Ø 254 x 30 mm	Ø 305 x 30 mm
Rated input power	1,800 W	2,000 W
No-load speed	4,700 /min	4,100 /min
Speed at rated load	3,380 /min	3,010 /min
Weight	18 kg	19 kg
Cable Length	2 m	2 m

**Scope of delivery**

Order no.	0102540100	0103050100
Carbide Saw Blade (48 teeth)	■	
Carbide Saw Blade (80 teeth)		■
Supplementary Stop		■
Tool for saw blade change	■	■
Dust Extraction Adapter 0910059955	■	■
Laser	■	■

**Product Advantages**

- Enormous cutting performance due to extremely powerful universal motor and large saw blade
- Highest precision from direct saw head mount.
- Saw head can be inclined on both sides for more productivity, with additional angle range for undercuts
- Effective dust extraction via integrated dust scoop.
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Fast and precise setting of common angles using stop points
- High sliding rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front
- Integrated, pull-out table width extensions made from die-cast aluminium
- All scales and operating elements are visible from the working position and can be operated intuitively
- Easy saw blade change by means of spindle lock: No dismantling of the pendulum protective cover required

**System Components**

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# KGS Plus Models: Powerful saws with Sliding Function

The KGS Plus models offer varied uses thanks to their sliding function and the infinitely adjustable speed. The powerful motor with full-wave electronics and constant speeds offers you a particularly high cutting speed at maximum power. The saw blade can be changed quickly and easily without tools. The optimum two-point-chip extraction keeps the workplace clean. Thanks to its enormous cutting performance and the broad range of applications, the KGS Plus models are the ideal companion in the workshop and for interior construction.

### Sliding function and Vario-Constamatic (VC) full-wave electronics

Broad range of applications with greater cutting capacity and infinitely variable speed change



**Most powerful motor output**  
Highest cutting speed for time saving work

**Positioning laser**  
Mains powered, for precise indication of the cutting line



**Metabo Quick Saw blade change**  
Simple, fast saw blade change without tools

**Extreme cutting output:**  
up to 320 x 120 mm



**Excellent dust extraction**  
thanks to the extraction ducts at the rear and front of the machine directly in the cutting area

**Cutting depth limitation**  
Integrated cutting depth setting for exact trench cuts

KGS 315 Plus



Metabo "Quick" saw blade change - no tools required



Pull-out table width extension left/right with stop points and integrated carrying handles



Can be inclined on both sides, easy to use operating elements



### Technical Data

	Crosscut Saw KGS 216 Plus with sliding function	Crosscut Saw KGS 254 Plus with sliding function
Dimensions L x W x H	930 x 600 x 600 mm	930 x 690 x 590 mm
Maximum cutting width 90°/45°	305 mm/214 mm	305 mm/214 mm
Maximum cutting depth at 90°/45°	70 mm/41 mm	90 mm/54 mm
Maximum cross-section of the workpiece		
- Straight cut 90°/90°	305 x 70 mm	305 x 90 mm
- Double mitre 45°/45°	214 x 41 mm	214 x 54 mm
Turntable setting left/right	47 °/55 °	47 °/60 °
Saw blade tilt left/right	46 °/46 °	46 °/46 °
Saw Blade	Ø 216 x 30 mm	Ø 254 x 30 mm
Rated input power	1,600 W	2,000 W
No-load speed	3,800 - 4,800 /min	3,900 - 5,150 /min
Speed at rated load	4,800 /min	5,150 /min
Weight	21 kg	24 kg
Cable Length	2 m	2 m

### Scope of delivery

Order no.	0102160200	0102540300 <sup>2)</sup>
Carbide Saw Blade (48 teeth)	■	
Carbide Saw Blade (60 teeth)		■
Chip extraction connections	■	■
Connection piece 6.30316	■	■
Laser	■	■

<sup>2)</sup> also available in 110 V (UK)

### Product Advantages

- Speed control for extended range of application, e.g. for cutting of aluminium profiles and plastics
- Sliding function for wide work pieces.
- Saw head can be inclined on both sides for more productivity, with additional angle range for undercuts
- Superb dust extraction capability thanks to a dual port design mounted close to the work piece.
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Vario-Constamatic (VC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Metabo "Quick" for changing saw blades without tools
- Soft start for long service life of motor and drive
- Fast and precise setting of common angles using stop points
- High sliding rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front
- Integrated, pull-out table width extensions made from die-cast aluminium
- Depth stop for easy creation of grooves
- All scales and operating elements are visible from the working position and can be operated intuitively

### System Components

446 → Accessories

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**Technical Data**

**Crosscut Saw  
KGS 254 I Plus  
with sliding function**

Dimensions L x W x H	930 x 690 x 590 mm
Maximum cutting width 90°/45°	305 mm/214 mm
Maximum cutting depth at 90°/45°	90 mm/54 mm
Maximum cross-section of the workpiece	
- Straight cut 90°/90°	305 x 90 mm
- Double mitre 45°/45°	214 x 54 mm
Turntable setting left/right	47 °/60 °
Saw blade tilt left/right	46 °/22.5 °
Saw Blade	Ø 254 x 30 mm
Rated input power	1,800 W
No-load speed	4,650 /min
Speed at rated load	4,650 /min
Weight	32.5 kg
Cable Length	2.2 m

**Crosscut Saw  
KGS 315 Plus  
with sliding function**

Dimensions L x W x H	950 x 765 x 660 mm
Maximum cutting width 90°/45°	320 mm/223 mm
Maximum cutting depth at 90°/45°	120 mm/76 mm
Maximum cross-section of the workpiece	
- Straight cut 90°/90°	320 x 120 mm
- Double mitre 45°/45°	223 x 76 mm
Turntable setting left/right	47 °/60 °
Saw blade tilt left/right	46 °/46 °
Saw Blade	Ø 315 x 30 mm
Rated input power	2,200 W
No-load speed	3,100 - 4,100 /min
Speed at rated load	4,100 /min
Weight	26 kg
Cable Length	2.1 m

**Scope of delivery**

Order no.	0102540200	0103150000 <sup>2)</sup>
Carbide Saw Blade (60 teeth)	■	
Carbide Saw Blade (84 teeth)		■
Chip extraction connections	■	■
Connection piece 6.30316	■	■
Laser	■	■

<sup>2)</sup> also available in 110 V (UK)

**Product Advantages**

- Quiet induction motor with motor brake and overload protection - maintenance-free and robust.
- Enormous cutting performance due to extremely powerful universal motor and large saw blade
- Sliding function for wide work pieces.
- Speed control for extended range of application, e.g. for cutting of aluminium profiles and plastics
- Superb dust extraction capability thanks to a dual port design mounted close to the work piece.
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Metabo "Quick" for changing saw blades without tools
- Soft start for long service life of motor and drive
- Fast and precise setting of common angles using stop points
- High sliding rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front
- Vario-Constamatic (VC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
- Integrated, pull-out table width extensions made from die-cast aluminium
- Depth stop for easy creation of grooves
- All scales and operating elements are visible from the working position and can be operated intuitively

**System Components**

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**Technical Data**

**Crosscut and Table Circular Saw  
KGT 300**

Dimensions L x W x H	575 x 760 x 730 mm
Table size	473 x 345 mm
Cutting height – table mode	0 - 55 mm
Cutting width - cross cutting mode 90°/45°	170 mm/112 mm
Cutting depth - cross cutting mode 90°/45°	100 mm/66 mm
Maximum work-piece cross-section in crosscut mode	
- Straight cut 90°/90°	170 x 100 mm
- Double mitre 45°/45°	67 x 62 mm
Maximum cutting height – table mode 90°/45°	55 mm/ –
No-load speed	3,400 /min
Speed at rated load	1,672 /min
Saw Blade	Ø 315 x 30 mm
Turntable setting left/right	50 °/60 °
Saw blade tilt left/right	48 °/45 °
Rated input power	1,800 W
Weight	21 kg
Cable Length	1.8 m

**Scope of delivery**

Order no.	0103300000
Carbide Saw Blade (48 teeth)	■
Parallel Guide/Ripping Fence	■
Tool for saw blade change	■

**Product Advantages**

- Cross-cut and mitre saw with additional table circular saw function for straight cuts
- Quick changeover from crosscut to table operation
- Compact light-weight saw, ideal for mobile use
- No-volt release switch: prevents unintentional startup after power cut
- Saw head can be inclined on both sides for more productivity
- Table with triple bearing and precise height adjustment by means of toothed ring guide
- Double mitre cuts up to 45° due to tilting saw head

**System Components**

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# Flush-mounted Circular Saws: Pulling instead of pushing

Anyone who had to saw long, bulky or hardwood workpieces appreciates a flush-mounted circular saw. According to the principle "pulling instead of pushing", the saw facilitates your work and permits particularly clean cuts. As in the pulling principle the saw blade moves along the precision guide to the workpiece fixed at the fence, the user has better control over the cut, thus resulting in less chipping. At the same time this procedure is gentle on the saw blade which significantly increases the lifetime of the same. Flush-mounted light running slides made of aluminium die cast with 8 ball bearings for clean and particularly precise cross cut and mitre cuts.

**Precise workpiece support**  
Table top made from aluminium profiles

**High-quality universal fence**  
for angle settings from -90° to +90°.



**Absolutely flexible**  
Powerful universal motor and speed regulation with Metabo VC electronics

**333 mm pulling length**  
All normal laminated floors and panels can be cut in two completely by up to 45°.

**Sturdy and safe**  
Side parts made of solid steel sheet.

**Always firm**  
Integrated, folding stand with level compensation for a firm base. The machine can also be operated when folded.

**Practical accessories**  
For example, table length extension or sliding carriage – easy to mount.



UK 333



**Quick conversion**  
The UK 333 can be converted to a table saw. The universal fence becomes a parallel stop for cutting long workpieces.



**Always mobile**  
The stand can be easily folded in. The UK 333 is very light to transport and fits into any car.



**Versatile cuts**  
The universal fence can be rotated by 180° for mitre and double-mitre cuts. The saw blade can be inclined from -1.5 to 46.5°; ideal for undercutting.



**Technical Data**

	Flush-mounted Circular Saw UK 290	Flush-mounted Circular Saw UK 290 Set
Dimensions L x W x H	674 x 478 x 420 mm	1,600 x 1,180 x 420 mm
Working height	878 mm/420 mm	878 mm/420 mm
Table size	674 x 478 mm	674 x 478 mm
Cutting height	0 - 60 mm	0 - 60 mm
Maximum cutting height 90/45°	60 mm/42 mm	60 mm/42 mm
Maximum material width at mitre fence 90/45°	290 mm/202 mm	700 mm/750 mm
Maximum cutting width at parallel guide/rip fence	150 mm	615 mm
No-load speed	4,500 /min	4,500 /min
Speed at rated load	3,800 /min	3,800 /min
Saw Blade	Ø 220 x 30 mm	Ø 220 x 30 mm
Inclination range	-1.5 - 46.5 °	-1.5 - 46.5 °
Chain length	290 mm	290 mm
Rated input power	1,800 W	1,800 W
Output power	1,200 W	1,200 W
Weight	25 kg	52 kg
Cable Length	2.25 m	2.25 m

**Scope of delivery**

Order no.	0102900000	0192901000
Carbide circular saw blade (alternately bevel-ground tooth, 36 teeth)	■	■
Foldable stand	■	■
Universal guide	■	■
Push stick	■	■
Chip and dust extraction unit 0910064371		■
Table width extension		■
Parallel Guide/Ripping Fence		■
Table length extension		■
Sliding Table		■

**Product Advantages**

- Expandable for all common applications by virtue of system accessories
- Complete set with system accessories for all standard applications
- Sliding table, table width and length extension for precise sawing of large work pieces
- Mobile table saw with sliding function for precise cross-cuts and straight cuts
- Soft start for long service life of motor and drive
- Universal guide can be used at all sides of the table for cross-cuts and straight cuts
- Compact and easy transport by virtue of integrated, foldable stand

**System Components**

- 446 → Accessories
- 393 → Extraction Systems

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Technical Data	Flush-mounted Circular Saw UK 333	Flush-mounted Circular Saw UK 333 Set
Dimensions L x W x H	760 x 585 x 420 mm	1,600 x 1,287 x 420 mm
Working height	900 mm/418 mm	900 mm/418 mm
Table size	750 x 585 mm	750 x 585 mm
Cutting height 90/45°	0 - 70 mm/0 - 49 mm	0 - 70 mm/0 - 49 mm
Maximum material width at mitre fence 90/45°	330 mm/230 mm	700 mm/750 mm
Maximum cutting width at parallel guide/rip fence	210 mm	685 mm
No-load speed	1,800 - 4,500 /min	1,800 - 4,500 /min
Speed at rated load	4,500 /min	4,500 /min
Saw Blade	Ø 220 x 30 mm	Ø 220 x 30 mm
Inclination range	-1.5 - 46.5 °	-1.5 - 46.5 °
Chain length	333 mm	333 mm
Rated input power	2,200 W	2,200 W
Output power	1,500 W	1,500 W
Weight	35.9 kg	63 kg
Cable Length	2.25 m	2.25 m

Scope of delivery	0103330000	0193330000
Carbide circular saw blade (alternately bevel-ground tooth, 36 teeth)	■	■
Foldable stand	■	■
Universal guide	■	■
Push stick	■	■
Chip and dust extraction unit 0910064371		■
Table width extension		■
Parallel Guide/Ripping Fence		■
Table length extension		■
Sliding Table		■

- Product Advantages**
- Expandable for all common applications by virtue of system accessories
  - Complete set with system accessories for all standard applications
  - Sliding table, table width and length extension for precise sawing of large work pieces
  - Mobile table saw with sliding function for precise cross-cuts and straight cuts
  - Vario-Constamatic (VC)-Full Wave Electronics for working with customised speeds for the materials used that remain almost constant under load
  - Soft start for long service life of motor and drive
  - Universal guide can be used at all sides of the table for cross-cuts and straight cuts
  - Compact and easy transport by virtue of integrated, foldable stand
  - Flush-mounted light running slides made of aluminium die cast with 8 ball bearings for maximum precision
  - Automatic resetting to 0 – 45 ° after undercuts

**System Components**  
 446 ▶ Accessories | 393 ▶ Extraction Systems

## Table Saws TS 216 and TS 254: The standard for mobility

The new table saws with integrated stand are extremely light and can be set up and dismantled in a matter of seconds. The heart of our patent-pending mobility concept is the stand with wheels which is integrated completely in the housing. Thanks to this design, the TS models are very compact and can be stored easily occupying little space. With the robust hard rubber tyres you can comfortably pull the saw to the site of application. Whether in the workshop or on the construction site: The TS set a new mobility standard for table saws.

**Effective dual port dust extraction** for low dust working

**DUST PROTECTION**

**Splitting wedge can be lowered without tools** for hidden cuts and transport

**3 SEC FAST BRAKE**

**RESTART PROTECTION**

**Safe operation** thanks to table width extension, safety switch, quick motor brake and restart protection

**SOFT-START**

**Table width extension/parallel ripping fence** with double guide for precise working

**Durable design** of motor and gear thanks to electronic overload protection and soft start

**Integrated stand** made from stable die-cast aluminium; Unfolded in a matter of seconds, with secure positioning

**Optimised for transport:** All attachments such as mitre guide, parallel guide, suction hose and second saw blade can be safely stored in the housing.

**TS 254**



**Trolley function for more mobility,** ready for use in a matter of seconds after transport



**Large workpieces - no problem**  
 Generous 87 mm cutting height and 630 mm cutting width at the parallel guide (TS 254)



**Light and compact**  
 The TS 216 can even be carried with one hand thanks to its light weight and compact design

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NEW



NEW



Technical Data

Table Circular Saws  
TS 216 Floor

Dimensions L x W x H	670 x 650 x 355 mm
Table size (min/max)	585 / 780 x 630 / 930 mm
Working height	355 mm
Cutting height 90/45°	0 - 63 mm/0 - 43 mm
Maximum cutting width at parallel guide/rip fence	425 mm
Maximum material width at mitre fence	165 mm
No-load speed	5,000 /min
Speed at rated load	3,500 /min
Saw Blade	Ø 216 x 30 mm
Saw blade swivel range	-1.5 - 46.5 °
Rated input power	1,500 W
Output power	900 W
Weight	23.2 kg
Cable Length	3 m

Scope of delivery

Order no.	6.00676 available from autumn 2014	6.00667 available from autumn 2014
Carbide circular saw blade with alternately bevel-ground tooth (30 teeth)	■	■
Stand	■	■
Hard Rubber Tyres	■	■
Parallel Guide/Ripping Fence	■	■
Mitre Guide	■	■
Table length extension	■	■
Table width extension (left + right)	■	■
chip and dust extraction unit	■	■

Product Advantages

- Light table saw, also suitable for one-handed transport
- Lightest table saw with trolley function, also suitable for one-handed transport
- Integrated stand made from stable die-cast aluminium (patent filed); Unfolded in a matter of seconds, with secure positioning
- Very compact with folded stand for comfortable transport and space-saving storage
- Anti-twist tubular frame construction for highest demands on the building site and during installations
- Cables and all add-on components for transport can be stored at the casing
- Powerful motor with electronic overload protection
- Precise parallel guide with double clamping and quick fastening
- Precise saw blade inclination via gear guide
- Easy saw blade change with spindle lock
- Splitting wedge can be lowered without tools for hidden cuts and transport
- Precise, extendable table width extension for extra large working surfaces

System Components

446 ▶ Accessories | 393 ▶ Extraction Systems



Technical Data

Table Circular Saw  
TS 254

Dimensions L x W x H	740 x 750 x 355 mm
Table size (min/max)	670 / 970 x 715 / 995 mm
Working height	850 mm/355 mm
Cutting height 90/45°	0-87 mm/0-50 mm
Maximum cutting width at parallel guide/rip fence	630 mm
Maximum material width at mitre fence	200 mm
No-load speed	4,200 /min
Speed at rated load	2,800 /min
Saw Blade	Ø 254 x 30 mm
Saw blade swivel range	-1.5 - 46.5 °
Rated input power	2,000 W
Output power	1,270 W
Weight	33.4 kg
Cable Length	3.1 m

Scope of delivery

Order no.	6.00668
Carbide circular saw blade (alternately bevel-ground tooth, 40 teeth)	■
Stand	■
Hard Rubber Tyres	■
Parallel Guide/Ripping Fence	■
Mitre Guide	■
Table length extension	■
Table width extension	■
Saw blade case	■
chip and dust extraction unit	■

Product Advantages

- Extremely light table saw with trolley function for more mobility on the construction site
- Integrated stand made from stable die-cast aluminium (patent filed); Unfolded in a matter of seconds, with secure positioning
- Very compact with folded stand for comfortable transport and space-saving storage
- Anti-twist tubular frame construction for highest demands on the building site and during installations
- Cables and all add-on components for transport can be stored in the casing
- Powerful motor and electronic overload protection
- Precise parallel guide with double clamping and quick fastening
- Precise saw blade inclination via gear guide
- Easy saw blade change with spindle lock
- Splitting wedge can be lowered without tools for hidden cuts and transport
- Precise, extendable table width extension for extra large working surfaces

System Components

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# Table Circular Saws: Powerful and Robust

Universal table circular saws for powerful sawing of squared timber, boards, panels and wood-like materials in the workshop and at construction sites. With our circular saws we offer you stable and reliable machines. Every detail is carefully planned, starting with the infinitely adjustable height of the saw blade to the magnetic guide for precise cuts.

**Professionally assembled**  
Always ready for use in cutting squared timber, boards and large panels.



**Powerful 2.0 kW-Motor**  
Reliable induction motor for universal application

**Stable stand**  
Cross braces offer additional stability



**Standard push stick**  
Always ready at the machine - for your safety

**Wheel set with handles**  
Easy moving of the machine by a single person.

**Height adjustment up to max. 85 mm**  
The smooth crank handle enables the height adjustment of the saw blade of 0 – 85 mm

TKHS 315 C



**Always mobile**  
Standard chassis with two handles for mobile use.



**High Capacity**  
The well thought construction permits a max. cutting height of up to 85mm and 60mm at 45° angle of the saw blade.



**Versatile Sawing**  
The newly developed universal fence may be used as a parallel or transverse (from - 60° to +60°). Thanks to the magnetic guide precise cuts are possible.



**Table Circular Saw TKHS 315 C - 2,0 WNB**



**Table Circular Saw TKHS 315 C - 2,8 DNB**

**Technical Data**

Dimensions L x W x H	1,650 x 650 x 1,000 mm	1,650 x 650 x 1,000 mm
Table size (min/max)	800 x 550 mm	800 x 550 mm
Working height	850 mm	850 mm
Cutting height	0 - 85 mm	0 - 85 mm
Maximum cutting height 90/45°	85 mm/60 mm	85 mm/60 mm
Maximum cutting width at parallel guide/rip fence	290 mm	290 mm
Maximum material width at mitre fence 90/45°	220 mm/280 mm	220 mm/280 mm
No-load speed	2,990 /min	2,990 /min
Saw Blade	Ø 315 x 30 mm	Ø 315 x 30 mm
Saw blade swivel range	0 - 45 °	0 - 45 °
Rated input power	2,000 W	2,800 W
Output power	1,500 W	2,150 W
Weight	62 kg	64 kg

**Scope of delivery**

Order no.	0103152000	0103152100
Carbide circular saw blade with alternately bevel-ground tooth (24 teeth)	■	■
Wheel set incl. Handles	■	■
Universal guide	■	■
Table extension (550 x 800 mm)	■	■
chip and dust extraction unit	■	■
Push stick	■	■

**Product Advantages**

- High torque three-phase motor
- Universal table saw with basic equipment
- Ideal for sawing squared timber, boards, panels and wood-like materials in the workshop and at construction sites
- Quiet induction motor with motor brake and overload protection - maintenance-free and robust.
- No-volt release switch: prevents unintentional startup after power cut
- Universal guide with magnetic guide for precise straight cuts and mitre cuts
- Maintenance-free adjustment of the saw blade guard
- Comfortable setting of the saw blade inclination from the front
- Sturdy, powder-coated sheet steel design and galvanised table-top
- Frame and motor pre-mounted

**System Components**

- 446 → Accessories
- 393 → Extraction Systems

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**Technical Data**

**Table Circular Saw  
TKHS 315 M - 3,1 WNB**

Dimensions L x W x H	1,700 x 700 x 1,000 mm
Table size (min/max)	800 x 600 mm
Working height	850 mm
Cutting height	0 - 85 mm
Maximum cutting height 90/45°	85 mm/53 mm
Maximum cutting width at parallel guide/rip fence	340 mm
Maximum material width at mitre fence 90/45°	250 mm/275 mm
No-load speed	2,990 /min
Saw Blade	Ø 315 x 30 mm
Saw blade swivel range	0 - 45 °
Rated input power	3,100 W
Output power	2,200 W
Weight	75 kg

**Table Circular Saw  
TKHS 315 M - 4,2 DNB**

Dimensions L x W x H	1,700 x 700 x 1,000 mm
Table size (min/max)	800 x 600 mm
Working height	850 mm
Cutting height	0 - 85 mm
Maximum cutting height 90/45°	85 mm/53 mm
Maximum cutting width at parallel guide/rip fence	340 mm
Maximum material width at mitre fence 90/45°	250 mm/275 mm
No-load speed	2,990 /min
Saw Blade	Ø 315 x 30 mm
Saw blade swivel range	0 - 45 °
Rated input power	4,200 W
Output power	3000 W
Weight	77 kg

**Scope of delivery**

Order no.	0103153100	0103153300
Carbide circular saw blade with alternately bevel-ground tooth (24 teeth)	■	■
Wheel set incl. Handles	■	■
Parallel Guide/Ripping Fence	■	■
Mitre Guide	■	■
Table extension (600 x 800 mm)	■	■
chip and dust extraction unit	■	■
Push stick	■	■

**Product Advantages**

■ High torque three-phase motor

- Precise, powerful table saw in professional configuration – quick to adapt for every application
- Ideal for sawing squared timber, boards, panels and wood-like materials in the workshop and at construction sites
- Quiet induction motor with motor brake and overload protection - maintenance-free and robust.
- No-volt release switch: prevents unintentional startup after power cut
- Mitre guide with linear stop, can also be used as a sliding table
- Sturdy parallel guide/ripping fence with quick fastening
- Freely height-adjustable saw blade
- Comfortable setting of the saw blade inclination from the front
- Sturdy, powder-coated sheet steel design and galvanised table-top
- Foldable table length extension
- Frame and motor pre-mounted

**System Components**

446 ▶ Accessories

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# Site Circular Saws: For very demanding applications on the construction site

If you do not want to leave anything to chance on the construction site, Metabo's site circular saws are the ideal choice. The robust machines are universal talents for demanding applications on the construction site. They cut squared timber, control panels, OSB panels and beams. The stable construction with folding saw table and protective cover meet the European Safety Standard EN 1870-1 and can live up to the highest demands in every day jobs on a construction site.

**Long Saw Table**

Foldable saw table made of galvanised sheet steel

**Safety Equipment**

The protective cover as well as the complete machine meet the requirements of the European Safety Standard EN 1870-1.



**Powerful 5.5 kW motor with overload protection** ensures sufficient power reserves for demanding jobs

**User friendly** thanks to patented single lever height adjustment of the saw blade

**Always firm**  
The sturdy frame is powder-coated, the lateral beams ensure ideal resistance to torsion.

**Safe Operation**  
thanks to switch with integrated emergency-off switch and phase inverter in the plug

BKH 450 Plus



**Well protected**  
The protective cover automatically opens only at the height of the work piece and closes again automatically.



**Practical**  
Crane hook for easy transport on the construction site



**Extremely stable**  
Very high buckling resistance through lateral cross braces

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**Technical Data**

**Site Circular Saw  
BKS 400 Plus - 3,1 WNB**

Dimensions L x W x H	1,830 x 750 x 1,020 mm
Table size	1,030 x 660 mm
Max. cutting width	
- with parallel guide/ripping fence	300 mm
- with additional table	1,300 mm
Max. material width	
- with mitre fence	260 mm
Cutting height	127 mm
Speed at rated load	2,800 /min
Saw Blade	Ø 400 x 30 mm
Rated input power	3,100 W (S6 40%)
Output power	2,350 W (S6 40%)
Weight	88 kg

**Site Circular Saw  
BKS 400 Plus - 4,2 DNB**

Dimensions L x W x H	1,830 x 750 x 1,020 mm
Table size	1,030 x 660 mm
Max. cutting width	
- with parallel guide/ripping fence	300 mm
- with additional table	1,300 mm
Max. material width	
- with mitre fence	260 mm
Cutting height	127 mm
Speed at rated load	2,750 /min
Saw Blade	Ø 400 x 30 mm
Rated input power	4,200 W (S6 40%)
Output power	3,250 W (S6 40%)
Weight	88 kg

**Scope of delivery**

Order no.	0104003000 (Mounted) 0194003000 (not mounted)	0104004000 (Mounted) 0194004000 (not mounted)
Carbide Saw Blade (28 teeth)	■	■
Parallel Guide/Ripping Fence	■	■
Mitre guide with wedge type charge	■	■
Table length extension	■	■
Crane hook	■	■
Phase inverter	■	■
Push stick	■	■

**Product Advantages**

- High torque three-phase motor
- Robust machine for large cutting height for universal use on the construction site
- Easy to use protective cover for safe working
- High user protection thanks to splash-proofed switch and motor
- Corrosion protection thanks to saw table made of galvanised sheet steel
- Robust parallel guide/ripping fence with quick eccentric clamp
- Push stick ready to use on parallel guide for increased safety
- Retractable mitre guide with wedge type charge
- More safety and durability thanks to motor break and overload protection
- No-volt release switch: prevents unintentional startup after power cut
- Table length extension for long work pieces, foldable

**System Components**

446 ▶ Accessories



**Technical Data**

**Site Circular Saw  
BKS 450 Plus - 5,5 DNB**

Dimensions L x W x H	1,830 x 750 x 1,020 mm
Table size	1,030 x 660 mm
Max. cutting width	
- with parallel guide/ripping fence	300 mm
- with additional table	1,300 mm
Max. material width	
- with mitre fence	260 mm
Cutting height	141 mm
Speed at rated load	2,735 /min
Saw Blade	Ø 450 x 30 mm
Rated input power	5,500 W (S6 40%)
Output power	3,200 W (S1 100%)
Weight	90 kg

**Site Circular Saw  
BKH 450 Plus - 5,5 DNB**

Dimensions L x W x H	1,830 x 750 x 1,020 mm
Table size	1,030 x 660 mm
Max. cutting width	
- with parallel guide/ripping fence	300 mm
- with additional table	1,300 mm
Max. material width	
- with mitre fence	260 mm
Cutting height	20 - 140 mm
Speed at rated load	2,750 /min
Saw Blade	Ø 450 x 30 mm
Rated input power	5,500 W (S6 40%)
Output power	3,200 W (S1 100%)
Weight	102 kg

**Scope of delivery**

Order no.	0104605000 (Mounted) 0194605000 (not mounted)	0104705000 (Mounted)
Carbide saw blade (32 teeth)	■	■
Parallel Guide/Ripping Fence	■	■
Mitre guide with wedge type charge	■	■
Table length extension	■	■
Crane hook	■	■
Phase inverter	■	■
Push stick	■	■

**Product Advantages**

- Patented single-lever height adjustment for quick adjustment of the cutting height to the work piece
- Robust machine for large cutting height for universal use on the construction site
- Easy to use protective cover for safe working
- High user protection thanks to splash-proofed switch and motor
- Corrosion protection thanks to saw table made of galvanised sheet steel
- Robust parallel guide/ripping fence with quick eccentric clamp
- Push stick ready to use on parallel guide for increased safety
- Retractable mitre guide with wedge type charge
- Designed for continuous operation with S1 motor operating mode
- More safety and durability thanks to motor break and overload protection
- No-volt release switch: prevents unintentional startup after power cut
- Table length extension for long work pieces, foldable
- High torque three-phase motor

**System Components**

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Circular Saw Blades

Circular Saw Blades, »power cut«



Carbide Circular Saw Blades

- For coarse and semi-fine cuts with continuous feed. Ideal for low & high powered machines
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible
- Secondary hole holder for circular saw blades with Ø 216, 250, 254 and all over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
210 x 1.8 x 30	HW/CT	24	WZ	1.4	5°	KS 210 / KGS 255	6.28008*
216 x 2.4 x 30	HW/CT	20	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus	6.28230*
216 x 2.4 x 30	HW/CT	24	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus	6.28009*
250 x 2.8 x 30	HW/CT	24	WZ	2	25°	PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310, PK 250	6.28012*
250 x 2.8 x 30	HW/CT	24	WZ	2	3° neg.	KS 250, KGS 301 / KGS 303 / KGS 331	6.28013*
254 x 2.4 x 30	HW/CT	40	WZ	1.6	20°	TS 254, TK 250	6.28025*
254 x 2.4 x 30	HW/CT	24	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	6.28220*
300 x 2.8 x 30	HW/CT	28	WZ	1.8	15°	PK 300 / PKV 300 G to 1996	6.28014
315 x 2.8 x 30	HW/CT	20	FZ	1.8	22°	TKHS 315, KGT 300	6.28015
315 x 3 x 30	HW/CT	24	WZ	2	20°	TKHS 315	6.28016
350 x 2.8 x 30	HW/CT	22	FZ	1.8	22°	TK 350 to 1983	6.28017
400 x 3.5 x 30	HW/CT	28	FZ/FA	2.5	10°	BKS 400	6.28018
400 x 3.5 x 30	HW/CT	60	WZ	2.5	15°	BKS 400	6.28019
450 x 3.5 x 30	HW/CT	32	FZ/FA	2.5	10°	BKS 450 Plus / BKH 450 Plus	6.28020
450 x 3.8 x 30	HW/CT	66	WZ	2.8	15°	BKS 450 Plus / BKH 450 Plus	6.28021
500 x 3.8 x 30	HW/CT	22	WZ	2.8		BW 500 until 1998	6.28022
600 x 3.8 x 30	HW/CT	26	WZ	2.8		BW 600	6.28023
700 x 4.2 x 30	HW/CT	42	WZ	3.2		BW 750 / BW 700 to 1993	6.28024



Chrome-vanadium Circular Saw Blades

- For coarse and semi-fine cuts with continuous feed. Ideal for low & high powered machines
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
315 x 1.8 x 30	CV	56	KV	1.8		TKHS 315	6.28100
315 x 1.8 x 30	CV	80	NV	1.8		TKHS 315	6.28101
350 x 1.8 x 30	CV	56	NV	1.8		TK 350 to 1983	6.28102
400 x 2 x 30	CV	56	KV	2		BKS 400	6.28105
450 x 2.5 x 30	CV	36	SP	2.5		BKS 450 Plus / BKH 450 Plus	6.28107
500 x 2.5 x 30	CV	56	KV	2.5		BW 500 until 1998	6.28108
600 x 2.8 x 30	CV	56	KV	2.8		BW 600	6.28109
700 x 2.8 x 30	CV	56	KV	2.8		BW 750 / BW 700 to 1993	6.28110

Circular Saw Blades, »precision cut«



- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or transverse cutting in softwood and hardwood
- Well suited for solid and plywoods, chipboards untreated, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor
- Secondary hole holder for circular saw blades with Ø 216, 250, 254 and all over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
210 x 2.4 x 30	HW/CT	30	WZ	1.6	22°	PK 200 / UK 220	6.28036*
210 x 2.4 x 30	HW/CT	40	WZ	1.8	3°	KS 210 / KGS 255, PK 200 / UK 220	6.28037*
210 x 2.8 x 30	HW/CT	42	FZ/TZ	1.8	1° neg.	KS 210 / KGS 255, PK 200 / UK 220	6.28038*
210 x 2.4 x 30	HW/CT	42	WZ	1.6	22°	PK 200 / UK 220	6.28039*
216 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus	6.28041*
220 x 2.4 x 30	HW/CT	36	WZ	1.6	10°	UK 290 / UK 333 / Secanta	6.28042*
220 x 2.6 x 30	HW/CT	48	DZ/HZ	1.6	10°	UK 290 / UK 333 / Secanta	6.28043*
250 x 2.8 x 30	HW/CT	34	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310	6.28045*
250 x 2.8 x 30	HW/CT	42	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310, PK 250	6.28046*
250 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 250, KGS 301 / KGS 303 / KGS 331	6.28047*
250 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 250, KGS 301 / KGS 303 / KGS 331	6.28048*
250 x 2.8 x 30	HW/CT	60	WZ	1.8	15°	TS 250, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310, PK 250	6.28049*
254 x 2.4 x 30	HW/CT	40	WZ	1.6	20°	TS 254, TK 250	6.28059*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	6.28221*
254 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	6.28222*
300 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	PK 300 / PKV 300 G bis 1996	6.28051
300 x 2.8 x 30	HW/CT	72	WZ	1.8	10°	PK 300 / PKV 300 G bis 1996	6.28053
305 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 305 Plus, KGS 305	6.28227*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 305 Plus, KGS 305	6.28228*
305 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KS 305 Plus, KGS 305	6.28229*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	1,5°	KGS 305	6.28054
305 x 2.4 x 30	HW/CT	80	WZ	1.8	5°	KGS 305	6.28055
315 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KGS 315 Plus, KGS 305	6.28224*
315 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KGS 315 Plus, KGS 305	6.28225*
315 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	TKHS 315	6.28056
315 x 2.8 x 30	HW/CT	48	WZ	1.8	0°	KGS 305, KGT 300, TKHS 315	6.28057
315 x 2.8 x 30	HW/CT	84	WZ	1.8	10°	KGS 305, KGT 300, TKHS 315	6.28058

Circular Saw Blades »classic«



- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or transverse cutting in softwood and hardwood
- Well suited for solid and plywoods, chipboards untreated, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
216 x 2.4 x 30	HW/CT	40	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus	6.28060*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	6.28061*

\* Self-service packaging

Circular Saw Blades, »multi cut«



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. laminate, thin-walled plastic, aluminium, copper and bronze materials
- Ideally suited for many applications in interior work
- Perfect cutting results, also on transverse cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance
- Secondary hole holder for circular saw blades with Ø 216, 250, 254 and all over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth form	Steel blade thickness mm	Rake angle	Suitable for	Order no.
210 x 2.6 x 30	HW/CT	54	FZ/TZ	1.8	5° neg.	KS 210 / KGS 255, Ks E 1678 S-Signal	6.28078*
210 x 2.8 x 30	HW/CT	60	WZ	2	5° neg.	KS 210 / KGS 255, Ks E 1678 S-Signal	6.28079*
210 x 2.4 x 30	HW/CT	64	WZ	1.6	10°	PK 200 / UK 220	6.28081*
210 x 2.4 x 30	HW/CT	64	FZ/TZ	1.6	5° neg.	KS 210 / KGS 255	6.28082*
216 x 2.4 x 30	HW/CT	60	FZ/TZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus	6.28083*
220 x 2.6 x 30	HW/CT	80	FZ/TZ	1.6	10°	UK 290 / UK 333 / Secanta	6.28084*
250 x 2.8 x 30	HW/CT	80	WZ	1.8	10°	KGT 500 / KGT 501 / KGT 550, TS 250, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310	6.28087*
250 x 2.8 x 30	HW/CT	80	FZ/TZ	2	5° neg.	KGS 301 / KGS 303 / KGS 331, KGT 500 / KGT 501 / KGT 550, TS 250, PKU 250 / PK 255 / PKF 255 / PKF 255 V8, Multi 260 / Multi 310	6.28088*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.6	5°	TS 254, TK 250	6.28093*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	6.28223*
300 x 2.8 x 30	HW/CT	96	FZ/TZ	2.2	6° neg.	PK 300 / PKV 300 G to 1996	6.28090
305 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305	6.28091
315 x 2.4 x 30	HW/CT	96	FZ/TZ	1.8	5° neg.	KGS 315 Plus, KGS 305	6.28226*
315 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305	6.28092

Reducing rings for circular saw blades



	Order no.
<b>Reducing ring</b> ■ Ø 20 x 1.2 x 16 mm ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	6.23545
<b>Reducing ring</b> ■ Ø 30 x 1.2 x 16 mm ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	6.23546
<b>Reducing ring</b> ■ Ø 30 x 1.2 x 20 mm ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	6.23547
<b>Reducing ring</b> ■ Ø 30 x 1.2 x 25 mm ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	6.23548
<b>Reducing ring</b> ■ Ø 30 x 1.6 x 16 mm ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm	6.23549
<b>Reducing ring</b> ■ Ø 30 x 1.6 x 20 mm ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm	6.23550*
<b>Reducing ring</b> ■ Ø 30 x 1.6 x 25 mm ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm	6.23551*

\* Self-service packaging

Attachments and special accessories

Accessories for Flexo 500

	Order no.
 <b>Wheel Set</b> ■ For easy transportation suitable for: UK 290, UK 333, Flexo 500	0910064363
 <b>Sliding table UK / Flexo</b> ■ Large and wide work pieces can be easily guided through the saw blade ■ Clean and precise cutting results ■ Easy to mount and remove ■ Safe working conditions suitable for: UK 290, UK 333, Flexo 500 Table size: 310 x 200 mm Overall length: 1,225 mm Support weight: 7.7 kg	0910064347
 <b>Table Length Extension UK / Flexo</b> ■ Practical cutting lengths for longer work pieces ■ Safe working conditions suitable for: UK 290, UK 333, Flexo 500 Length: 380 mm Width: 476 mm	0910064312
 <b>Table Width Extension UK / Flexo</b> ■ Increases the supporting surface; ideal for large boards ■ Enables cuts with parallel guide of up to 610 mm ■ Height adjustable For UK 333, UK 290, Flexo 500 Length: 674 mm Width: 501 mm	0910064401
 <b>Parallel guide/ripping fence UK / Flexo</b> ■ For long cuts or for cutting large boards ■ Long attachment profile for guiding the work piece safely suitable for: UK 290, UK 333, Flexo 500	0910063707

Machine Stand

	Order no.
 <b>Machine Stand UMS</b> ■ For ideal working height and stability ■ Can be folded up compactly ■ Compensation in height with adjustable stand ■ Ready mounted Height of work bench: 83 cm Weight: 12 kg Maximum weight load: 250 kg suitable for: KS 216 M Lasercut, KGS 216 M, KGS 254 M, KGS 216 Plus, KGS 254 Plus / KGS 254 I Plus, KGS 315 Plus, KS 254 Plus, KS 305 Plus, KGT 300, BAS 260 Swift, DH 330	6.31317

Wheel Sets		Order no.
<ul style="list-style-type: none"> <li>For easy transportation</li> </ul>		
	<b>Wheel Set</b> suitable for: UK 290, UK 333, Flexo 500	0910064363
	<b>Wheel Set</b> Suitable for: BAS 317 Precision	0910063570

Sliding Table		Order no.
	<b>Sliding table UK / Flexo</b> <ul style="list-style-type: none"> <li>Large and wide work pieces can be easily guided through the saw blade</li> <li>Clean and precise cutting results</li> <li>Easy to mount and remove</li> <li>Safe working conditions</li> </ul> suitable for: UK 290, UK 333, Flexo 500 Table size: 310 x 200 mm Overall length: 1,225 mm Support weight: 7.7 kg	0910064347
	<b>TKHS sliding table</b> <ul style="list-style-type: none"> <li>Enables exact cuts, even on larger workpieces</li> <li>Precise sliding table on 6 ball bearings</li> <li>Complete with fence guide, swivels 90-45°</li> </ul> Suitable for all TKHS models Suitable for: TKHS 315, TKHS 315 C, TKHS 315 M Maximum cutting width 90°/45°: 640 mm/930 mm Total length: 1,270 mm Support weight: 24 kg	0910058967

Table length extensions for additional circular saws		Order no.
	<b>Table Length Extension UK / Flexo</b> <ul style="list-style-type: none"> <li>Practical cutting lengths for longer work pieces</li> <li>Safe working conditions</li> </ul> suitable for: UK 290, UK 333, Flexo 500 Length: 380 mm Width: 476 mm	0910064312

Table Width Extensions		Order no.
	<b>Table Width Extension UK / Flexo</b> <ul style="list-style-type: none"> <li>Increases the supporting surface; ideal for large boards</li> <li>Enables cuts with parallel guide of up to 610 mm</li> <li>Height adjustable</li> </ul> For UK 333, UK 290, Flexo 500 Length: 674 mm Width: 501 mm	0910064401

Supplementary Tables		Order no.
	<b>Supplementary Table TKHS/BKS/BKH</b> <ul style="list-style-type: none"> <li>For increasing the supporting surface; ideal for cutting boards</li> <li>With quick-action clamping elements, scale and foldable support legs</li> <li>Enables cuts on length guide up to 1,240 mm in width</li> <li>Height adjustable</li> </ul> Can be mounted at the side Suitable for: TKHS 315 C, TKHS 315 M, BKS 400 Plus, BKS 450 Plus, BKH 450 Plus Length: 1,000 mm Width: 660 mm	0910014030

Mitre Guides		Order no.
	<b>Mitre fence KGT</b> <ul style="list-style-type: none"> <li>For precise cross cuts and angular cuts</li> <li>With workpiece bearing made of aluminium</li> <li>Infinitely variable, both sides adjustable, 90°-45°</li> </ul> Suitable for: KGT 500, KGT 501	0910009028
	<b>Mitre Guide</b> <ul style="list-style-type: none"> <li>Weight: 0.75 kg</li> <li>Length of rule: 250 mm</li> <li>Angle area: +/- 60°</li> </ul> Suitable for: BAS 317 Precision, Flexo 500	0910064410

Parallel Guide/Ripping Fence		Order no.
	<b>Parallel guide/ripping fence UK / Flexo</b> <ul style="list-style-type: none"> <li>For long cuts or for cutting large boards</li> <li>Long attachment profile for guiding the work piece safely</li> </ul> suitable for: UK 290, UK 333, Flexo 500	0910063707

Work Clamps		Order no.
	<b>Work Clamp KGS / KGT</b> <ul style="list-style-type: none"> <li>For the secure clamping of smaller workpieces, plastic or aluminium profiles</li> </ul> suitable for: KGS 255, KGS 303, KGS 305, KGT 300, KGT 501 ab Bj. 2003, KS 210 C, KS 210 Lasercut	0910057553*

Chip and Dust Extraction Units		Order no.
	<b>Chip and Dust Extraction Unit UK / Flexo</b> <ul style="list-style-type: none"> <li>Extraction at two points: at chip box and at the top on the guard</li> <li>Clear view of the work piece</li> <li>Clean working environment</li> </ul> Extraction Nozzle Ø: 100 mm suitable for: UK 290, UK 333, Flexo 500	0910064371

\* Self-service packaging

Special accessories for crosscut and mitre saws		Order no.
	<p><b>Machine Stand KSU 250 Mobile</b></p> <ul style="list-style-type: none"> <li>■ With trolley function for mobile use during installation and on the construction site</li> <li>■ Machine stand with extendable and robust table width extension</li> <li>■ Double supported table width extension for heavy work pieces</li> <li>■ Compensation in height with adjustable stands</li> <li>■ Simple folding mechanism; can be folded even with mounted saw</li> <li>■ Two working heights - stand up height and near the floor</li> <li>■ Space-saving storage position</li> <li>■ Tool tray 6.31326 (accessory)</li> <li>■ Universal machine carrier (instalallation without tools) makes it suitable for all the conventional crosscut saws of well-known manufacturers</li> </ul> <p>Total length: 150 - 250 cm Maximum weight load in central part: 250 kg Weight: 36 kg Height of work bench: 38 / 89 cm</p>	6.31318
	<p><b>Machine Stand KSU 400</b></p> <ul style="list-style-type: none"> <li>■ Machine stand with extendable and robust table width extension</li> <li>■ Universal end profile (instalallation without tools) makes it suitable for all the conventional crosscut saws of well-known manufacturers</li> <li>■ Sturdy legs with height adjustment</li> <li>■ Extensive range of accessories</li> </ul> <p>Maximum total length: 400 cm Maximum weight load in central part: 250 kg Weight: 25 kg</p>	0910066110
	<p><b>Machine Carrier for KSU 400/250 Mobile</b></p> <ul style="list-style-type: none"> <li>■ For easy and safe fixation of all common cross-cut and mitre saws of well-known manufacturers on the cross-cut stand 400</li> </ul> <p>Length: 615 mm</p>	0910064720
	<p><b>Roller support KSU 400/250 Mobile</b></p> <ul style="list-style-type: none"> <li>■ For long work pieces</li> <li>■ The cut material can be easily transported using rollers</li> </ul> <p>Width: 260 mm</p>	0910064592
	<p><b>KSU 400 Support Base</b></p> <ul style="list-style-type: none"> <li>■ Additional support base for better support of the KSU 400 when extended</li> </ul>	0910064606
	<p><b>Tool Tray KSU 400/KSU 250 Mobile</b></p> <ul style="list-style-type: none"> <li>■ To keep tools etc. at working height</li> </ul>	6.31326
	<p><b>Working light</b></p> <ul style="list-style-type: none"> <li>■ For optimum illumination of the working area</li> <li>■ Can be swivelled or set flexibly</li> <li>■ Includes fixture screw, Allen key and mounting instructions</li> </ul>	0910065173*
	<p><b>Table Insert</b></p> <ul style="list-style-type: none"> <li>■ For clean, splinter-free processing</li> <li>■ 3 closed plastic table inserts included in the scope of delivery</li> </ul>	0910065165*

	<p><b>Supplementary Stop</b></p> <ul style="list-style-type: none"> <li>■ For the safe and splinter-free processing of small workpieces and strips</li> <li>■ Also particularly suitable for tall workpieces</li> </ul> <p>suitable for: KGS 255, KGS 303, KGT 300</p>	0910059831
	<p><b>Supplementary Stop</b></p> <ul style="list-style-type: none"> <li>■ For the safe and splinter-free processing of small workpieces and strips</li> <li>■ Also particularly suitable for tall workpieces</li> </ul> <p>suitable for: KS 254 Plus, KS 305 Plus, KGS 216 Plus, KGS 254 Plus / KGS 254 I Plus, KGS 315 Plus</p>	0910065190
	<p><b>Positioning Laser KGS 303</b></p> <ul style="list-style-type: none"> <li>■ For a perfect preview of the sawing cut</li> <li>■ Automatic activation by means of tachometric relay</li> <li>■ The workpiece can be positioned quickly and securely for cutting</li> <li>■ No more test cuts</li> </ul> <p>Battery-powered line laser with 6 spare batteries</p> <p>suitable for: KGS 303</p>	0910063553*
	<p><b>Positioning Laser KGS 305</b></p> <ul style="list-style-type: none"> <li>■ For a perfect preview of the sawing cut</li> <li>■ Automatic activation by means of tachometric relay</li> <li>■ The workpiece can be positioned quickly and securely for cutting</li> <li>■ No more test cuts</li> </ul> <p>Battery-powered line laser with 6 spare batteries</p> <p>suitable for: KGS 305</p>	0910063952*

**Roller Stands**

- For supporting long workpieces when sawing, moulding/routing, planing and drilling
- Sturdy, height-adjustable and foldable

	<p><b>Roller Stand RS 420</b></p> <ul style="list-style-type: none"> <li>■ With smooth-rolling special steel rollers with a high load capacity</li> </ul> <p>Width: 400 mm Support weight: 100 kg Height: 640 - 1,015 mm</p>	0910053353
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\* Self-service packaging

		Order no.
	<b>Roller Stand RS 420 G</b> <ul style="list-style-type: none"> <li>With smooth-rolling chromium-plated ball bearings</li> <li>Also permits lateral movements</li> <li>Ideal for panel material</li> </ul> Width: 520 mm Support weight: 100 kg Height: 640 - 1,015 mm	0910053345
	<b>Roller Stand RS 420 W</b> <ul style="list-style-type: none"> <li>With smooth-rolling chromium-plated ball bearings</li> <li>Adjustable ball bearing gib</li> <li>Also permits lateral movements</li> <li>Ideal for panel material, round or square workpieces</li> </ul> Width: 420 mm Support weight: 100 kg Height: 640 - 1,015 mm	0910053361

		Order no.
	<b>Spray for maintenance and care</b> <ul style="list-style-type: none"> <li>Ideal for maintenance and care of wood processing machines</li> <li>Contains silicone, prevents saw dust from sticking, e.g. to threaded rods or sliding bearings</li> <li>Increases the sliding quality of the workpieces on the machine table</li> <li>High cleaning capacity</li> </ul>	0911018691*

**Lubricant**

- To help the wood glide well on the dressing plate and the thickness table

		Order no.
	<b>Waxilit - lubricant</b> Weight: 70 g	0911001071
	<b>Waxilit - lubricant</b> Weight: 1 kg	4313062258

**Push block**

		Order no.
	<b>Push block</b> <ul style="list-style-type: none"> <li>For the lateral guiding of the workpiece</li> </ul>	0910057200*

## Band Saws: Continuous Precision

Clean cuts, precise working, stable design - these are the characteristics particular to Metabo's band saws. The special feature lies in the detail: All our band saws have a precision three-pulley guide top and bottom, for optimum guidance and lifetime of the band saw blade. The low-vibration grey cast iron tables ensure a clean cutting result and the exact parallel guide with precise reading scale provide the required precision. Equipped with safety stop switch, blade tension displays and quick clamping lever, Metabo band saws are also very safe and convenient.

**Safety end switch**  
 Immediate shut down when a door is opened.

**Sturdy parallel guide/ripping fence**  
 with eccentric clamping and an exact reading scale with integrated magnifying glass. Can be used with both sides of the blade.

**Quick-clamp spring**  
 Simple adjustment of the blade tension by hand wheel. Indicator for the fast reading of the blade tension.

**Precision three-pulley guide**  
 for optimum guidance and long service life of the band saw blade.

**Torsion-resistant grey cast iron saw table**  
 for more precision and less vibration. Convenient angle adjustment from -2° to 45° by soft handle and patented toothed ring guide.



BAS 317 Precision



**Highly precise working**  
 Best cutting results are no coincidence.



**By changing-over the V-belts position**  
 in the lower roller box, two different speeds can be preset for ideal adjustment to the material to be cut.



**High stability**  
 The combination of torsion-resistant grey cast iron table and professional band guide enable optimal cutting results in wood, plastic or nonferrous metals.

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Technical Data	Band Saw BAS 260 Swift
Dimensions L x W x H	525 x 425 x 840 mm
Bearing surface	340 x 335 mm
Working height	374 mm
Saw table pivot range	0 - 45 °
Cutting height	100 mm
Band width	245 mm
Cutting speed	690 m/min
Bandsaw blade length	1,712 mm
Bandsaw blade width	6.4 - 12.7 mm
Rated input power	350 W
Output power	260 W
Weight	32.5 kg

Scope of delivery	
Order no.	0090025100
A6 Universal Band Saw Blade	■
Parallel Guide/Ripping Fence	■
Mitre Guide	■
Suction adapter (for Ø 44, 58, 100 mm)	■

- Product Advantages**
- High precision and stability for professional applications
  - Quiet induction motor, maintenance-free and robust.
  - No-volt release switch: prevents unintentional startup after power cut
  - Door opening without tools for easy saw blade change
  - Tool-less height adjustment of the saw blade guard
  - Top and bottom HSS precision three-roller guide of the band saw blade for best cutting results, adjustable without tools
  - Parallel guide/ripping fence with integrated magnifier
  - Radius cutting with circle sawing attachment (accessory)
  - External extraction possible for low-dust working
  - Swivelling grey cast iron saw table for inclined cuts

**System Components**

459 → Accessories | 393 → Extraction Systems



Technical Data	Band Saw BAS 317 Precision WNB	Band Saw BAS 317 Precision DNB
Dimensions L x W x H	665 x 795 x 1,600 mm	665 x 795 x 1,600 mm
Bearing surface	548 x 400 mm	548 x 400 mm
Working height without base	510 mm	510 mm
Working height with base	985 mm	985 mm
Saw table pivot range	-2 - 45 °	-2 - 45 °
Cutting height	165 mm	165 mm
Band width	305 mm	305 mm
Cutting speed	370/800 m/min	370/800 m/min
Bandsaw blade length	2,240 mm	2,240 mm
Bandsaw blade width	6 - 20 mm	6 - 20 mm
Rated input power	900 W	900 W
Output power	570 W	640 W
Weight	70.5 kg	72 kg

Scope of delivery		
Order no.	0090317000	0090317100
A6 Universal Band Saw Blade	■	■
Stand	■	■
Parallel Guide/Ripping Fence	■	■
Mitre Guide	■	■
Suction adapter (for Ø 44, 58, 100 mm)	■	■

- Product Advantages**
- High torque three-phase motor
  - High precision and stability for professional applications
  - Two cutting speeds for various applications and materials
  - Quiet induction motor, maintenance-free and robust.
  - No-volt release switch: prevents unintentional startup after power cut
  - Quick-action clamping lever and door opening without tools for easy saw blade change
  - Tool-less height adjustment of the saw blade guard
  - Blade clamp indicator with scale for easy control of the blade tension
  - Top and bottom HSS precision three-roller guide of the band saw blade for best cutting results, adjustable without tools
  - Parallel guide/ripping fence with integrated magnifier
  - Radius cutting with circle sawing attachment (accessory)
  - External extraction possible for low-dust working
  - Comfortable inclination adjustment of the grey cast iron saw table for precise incline cuts thanks to patented toothed ring guide

**System Components**

459 → Accessories | 393 → Extraction Systems

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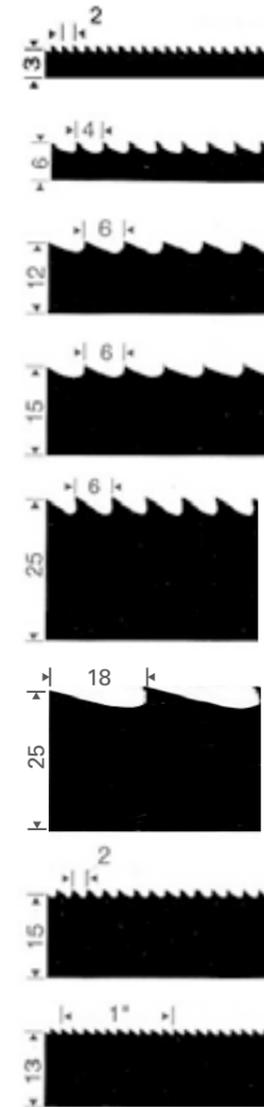


Technical Data	Band Saw BAS 505 Precision WNB	Band Saw BAS 505 Precision DNB
Dimensions L x W x H	834 x 639 x 1,860 mm	834 x 639 x 1,860 mm
Bearing surface	536 x 640 mm	536 x 640 mm
Working height	925 mm	925 mm
Saw table pivot range	0 - 20 °	0 - 20 °
Cutting height	280 mm	280 mm
Band width	440 mm	440 mm
Cutting speed	408/965 m/min	408/965 m/min
Bandsaw blade length	3,380 mm	3,380 mm
Bandsaw blade width	6 - 25 mm	6 - 25 mm
Rated input power	1,500 W	1,900 W
Output power	1,100 W	1,500 W
Weight	133 kg	133 kg

Scope of delivery	6.05052	6.05053
Order no.		
A6 Universal Band Saw Blade	■	■
Parallel Guide/Ripping Fence	■	■
Extraction Nozzle (Ø 100 mm)	■	■

- Product Advantages**
- High torque three-phase motor
  - High precision and stability for professional applications
  - Two cutting speeds for various applications and materials
  - Quiet induction motor, maintenance-free and robust.
  - No-volt release switch: prevents unintentional startup after power cut
  - Door opening without tools for easy saw blade change
  - Tool-less height adjustment of the saw blade guard
  - Viewing window for blade clamp indicator for fast control of the blade clamping from outside
  - Top and bottom HSS precision three-roller guide of the band saw blade for best cutting results, adjustable without tools
  - Radius cutting with circle sawing attachment (accessory)
  - External extraction possible for low-dust working
  - Comfortable inclination adjustment of the grey cast iron saw table for precise incline cuts thanks to patented toothed ring guide
  - Attachments can be stored in the saw housing

## Band Saw Blades



### Marking of band saw blades

- A2 Helical Tooth for Small Radius**  
Wood, plastic, fine sawing attachment required
- A4 Helical Tooth for Curved Cuts**  
Wood, plastic
- A6 Helical Tooth for Curved Cuts**  
Wood, plastic
- A6 Helical Tooth for Straight Cuts**  
Wood, plastic
- A6 Helical Tooth for Straight Cuts**  
Wood, plastic
- A18 Helical Tooth for Straight Cuts**  
Firewood
- A2 Rake Tooth for Universal Cuts**  
Aluminium, copper, brass, foam materials
- 14/1" Rake Tooth for Universal Cuts**  
Aluminium, copper, brass, steel

### Designation of the band saw blades

Example:

**Tooth tip induction hardened 2240 x 6 x 0.5/A – 4 (14/1")**

**Top edge ind. hard.**

Top edge inductively hardened, Carbon steel with inductively hardened tooth tips; very economical thanks to high useful life

- 2240** = band length mm
- 6** = band width mm
- 0.5** = band thickness mm
- A-4** = clearance of tooth tips mm
- 14/1" = A2** = number of teeth per inch unit
- 1.3/1" = A18** = number of teeth per inch unit

**Band Saw Blades**

- Carbon steel with inductively hardened tooth tips
- Very economical due to its long useful life

Dimensions mm	Tooth pitch	Material suitability	Suitable for	Order no.
1,712 x 6 x 0.36	A4 Helical tooth	Wood, plastic – curve cuts	BAS 260 Swift	0909057175*
1,712 x 12 x 0.36	A6 Peg tooth	Wood, plastic – universal cuts	BAS 260 Swift	0909057183*
1,712 x 12 x 0.36	A2 Rake tooth	Non-ferrous metal, foamed materials	BAS 260 Swift	0909057191*
2,240 x 6 x 0.5	A4 Helical tooth	Wood, plastic – curve cuts	BAS 317 Precision	0909029252*
2,240 x 12 x 0.5	A6 Peg tooth	Wood, plastic – universal cuts	BAS 317 Precision	0909029244*
2,240 x 15 x 0.5	A6 Peg tooth	Wood, plastic – straight cuts	BAS 317 Precision	0909029260*
2,240 x 15 x 0.5	A2 Rake tooth	Non-ferrous metal, foamed materials	BAS 317 Precision	0909029279*
2,225 x 3 x 0.5	A2 Helical tooth	Wood, plastic – small radii for circular cuts with fine sawing equipment	BAS 380	0909060257*
2,225 x 6 x 0.36	A4 Helical tooth	Wood, plastic – curve cuts	BAS 380	0909060265*
2,225 x 9 x 0.36	A6 Peg tooth	Wood, plastic – universal cuts	BAS 380	0909060273*
2,225 x 13 x 0.36	A6 Peg tooth	Wood, plastic – straight cuts	BAS 380	0909060281*
3,380 x 6 x 0.5	A4 Helical tooth	Wood, plastic – curve cuts	BAS 505 G, BAS 505 Precision	0909029180*
3,380 x 15 x 0.5	A6 Peg tooth	Wood, plastic – universal cuts	BAS 505 G, BAS 505 Precision	0909029171*
3,380 x 25 x 0.5	A6 Peg tooth	Wood, plastic – straight cuts	BAS 505 G, BAS 505 Precision	0909000416*
3,380 x 25 x 0.5	A18 Peg tooth	Wood, firewood	BAS 505 G, BAS 505 Precision	0909000424*
3,380 x 15 x 0.5	A2 Rake tooth	Wood, nailproof, foamed materials	BAS 505 G, BAS 505 Precision	0909029210*
3,380 x 13 x 0.65	14/1" Rake tooth	Non-ferrous metal, steel frames	BAS 505 G	0909029228*
1,067 x 5 x 0.65	A2 Rake tooth	Wood, plastic	BS 150 E up to 1998	0909052939*
1,505 x 6 x 0.36	A4 Helical tooth	Wood, plastic – curve cuts	BS 230 up to 2001	0909040817*
1,505 x 12 x 0.36	A6 Peg tooth	Wood, plastic – universal cuts	BS 230 up to 2001	0909040825*
1,505 x 12 x 0.36	A2 Rake tooth	Non-ferrous metal, foamed materials	BS 230 up to 2001	0909040841*

**Machine Stand**



**Machine Stand UMS**

- For ideal working height and stability
- Can be folded up compactly
- Compensation in height with adjustable stand
- Ready mounted

Height of work bench: 83 cm  
Weight: 12 kg

Maximum weight load: 250 kg

suitable for: KS 216 M Lasercut, KGS 216 M, KGS 254 M, KGS 216 Plus, KGS 254 Plus / KGS 254 I Plus, KGS 315 Plus, KS 254 Plus, KS 305 Plus, KGT 300, BAS 260 Swift, DH 330

Order no.

6.31317

**Wheel Sets**



**Wheel Set**

- For easy transportation
- Suitable for: BAS 317 Precision

Order no.

0910063570

**Mitre Guides**



**Mitre Guide**

- Weight: 0.75 kg
- Length of rule: 250 mm
- Angle area: +/- 60°

Suitable for: BAS 317 Precision, Flexo 500

Order no.

0910064410

**Circle Cutting Attachments**



**Circle Cutting Attachment**

- For circular cuts or tapered cuts (with inclined table)
- Diameter from 120 to 280 mm
- Band saw blade 6 mm required for curve sawing suitable for: BAS 315 / 316, BAS 316 G, BAS 317 Precision, BAS 450, BAS 500, BAS 505 G, BAS 600, BAS 505 Precision

Order no.

0909031249\*

**Cloth Sanding Belts**

Grit	Dimensions mm	Sales unit	Suitable for	Order no.
P 80	20 x 2,205	3	BAS 380	0909060303*
P 150	20 x 2,205	3	BAS 380	0909060320*
P 80	20 x 2,240	3	BAS 315 / 316, BAS 316 G, BAS 317 Precision	0909030528*
P 120	20 x 2,240	3	BAS 315 / 316, BAS 316 G, BAS 317 Precision	0909030536*
P 80	25 x 3,380	3	BAS 450, BAS 500, BAS 505 G, BAS 600, BAS 505 Precision	0909030544*
P 120	25 x 3,380	3	BAS 450, BAS 500, BAS 505 G, BAS 600, BAS 505 Precision	0909030552*

**Cling-fit Sanding Sheets**



Grit	Diameter mm	Sales unit	Suitable for	Order no.
P 60	200	5	BAS 380	0909060338*
P 80	200	5	BAS 380	0909060346*
P 100	200	5	BAS 380	0909060354*

\* Self-service packaging



Technical Data	Bench Thickener DH 330
Dimensions L x W x H	579 x 857 x 574 mm
Chip removal	0 - 3 mm
Thickness table	Cast aluminium / special steel aluminium
Thickness table L x W	840 x 330 mm
Passage height/width	152 mm/330 mm
Feed rate	7 m/min
Diameter of blade shaft	47 mm
Number of blades	2
Blade shaft speed	9,800 /min
Rated input power	1,800 W
Weight	35 kg

**Scope of delivery**

Order no.	0200033000
2 integrated HSS reversible planer blades	■
Push stick	■
Extraction nozzle	■

**Product Advantages**

- Ideal for mobile use due to low weight
- Stable gear for uniform work piece feed
- Convenient height adjustment with crank handle
- Easy setting of common passage heights using stop points
- Powerful universal motor for powerful lugging drive and even planing result
- No-volt release switch: prevents unintentional startup after power cut
- Precise thickness adjustment for quick and exact planning
- Large feed and exit tables support the conveyance of long materials
- Planing locking mechanism prevents unintentional adjustment of the chip removal setting

**System Components**

464 → Accessories | 393 → Extraction Systems



Technical Data	Planing Machine HC 260 C - 2,2 WNB	Planing Machine HC 260 C - 2,8 DNB
Dimensions L x W x H	1,110 x 620 x 960 mm	1,110 x 620 x 960 mm
Dressing plates L x W	1,040 x 260 mm	1,090 x 260 mm
Chip removal		
- Planing	0 - 3 mm	0 - 3 mm
- Thickness planing	0 - 3 mm	0 - 3 mm
Material		
- Dressing plates	Cast aluminium	Cast aluminium
- Thickness table	Grey cast iron	Grey cast iron
Thickness table L x W	400 x 260 mm	400 x 260 mm
Passage height/width	160 mm/260 mm	160 mm/260 mm
Feed rate	5 m/min	5 m/min
Diameter of blade shaft	63 mm	63 mm
Number of blades	2	2
Blade shaft speed	6,500 /min	6,500 /min
Rated input power	2,200 W	2,800 W
Output power	1,600 W	2,000 W
Weight	71 kg	71 kg

**Scope of delivery**

Order no.	0114026000	0114026100
Integrated disposable reversible planer blades	■	■
short, swivelling jointing fence	■	■
Chip ejection hood	■	■
Push stick	■	■
Extraction nozzle	■	■

**Product Advantages**

- High torque three-phase motor
- Simple conversion from surface planer to bench thickener without tools
- Stable gear for uniform work piece feed
- Thickness table made of solid, non-abrasive grey cast iron
- Convenient height adjustment with crank handle
- Planer blades with double blade for longer service life
- Jointing fence, swivelling 90°-45°
- Powerful universal motor for powerful lugging drive and even planing result
- Quiet induction motor, maintenance-free and robust.
- No-volt release switch: prevents unintentional startup after power cut

**System Components**

464 → Accessories | 393 → Extraction Systems

01  
02  
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## Planer Blades

## Disposable reversible planer blades

- For all soft woods

Dimensions mm	Reversible planer blades	Suitable for	Sales unit	Order no.
260 x 18.6 x 1	■	HC 260 C, HC 260 M, HC 260 K	2	0911030713*

## HSS Planer Blade



- For all soft woods and hard woods
- Re grindable
- 18% tungsten = increased tool life

Dimensions mm	Reversible planer blades	Suitable for	Sales unit	Order no.
260 x 20 x 2.5		Multi 260	2	0920054030*
260 x 20 x 3		HC 260 C, HC 260 M, HC 260 K	2	0911030721*
263 x 24.5 x 3		HC 260 E / ES up to construction year 1989	2	0911030748*
304 x 25 x 3		HC 300	2	0911060167*
310 x 20 x 2.5		Multi 310	2	0920054048*
310 x 20 x 3		HC 333 G	2	0911053179*
310 x 30 x 3		HC 314 up to construction year 1999	4	0911016362*
320 x 25 x 3		HC 320 up to construction year 99	3	0911014220*
334 x 16 x 2	■	DH 330 through to year of construction 05	2	0911062119*
332 x 12 x 1.5	■	DH 330 as of year of construction 06, DH 316	2	0911063549*
410 x 25 x 3		HC 410 G	3	0911050390*

## Carbide Planer Blade

- For all hard woods, especially exotic woods, laminated wood, hard paper, fabric reinforced laminates
- Panel materials and plastics
- Re grindable, long tool life

Dimensions mm	Reversible planer blades	Suitable for	Sales unit	Order no.
260 x 20 x 3		HC 260 C, HC 260 M, HC 260 K	2	0911030730*
304 x 25 x 3		HC 300	2	0911060175*

## Planer Blade and Retaining Strip Conversion Set

Dimensions mm	Reversible planer blades	Suitable for	Sales unit	Order no.
260		HC 260 C, HC 260 M	2	0911030845

## Planer blade adjusting device



## Planer blade adjusting device

- Suitable for all blade shafts
- Simple handling and exact cutter projection
- In wooden cassette

Scope of delivery: 2 magnet planer blade adjusting devices, 3 setting plates for blade excess length  
Suitable for: HC 260 C, HC 260 M / K, HC 333 G, HC 410 G, Multi 260, Multi 310

Order no.

0911016397

\* Self-service packaging

## Attachments

## Wheel Set



## Wheel Set

- For easy transportation
- Suitable for: HC 260 C, HC 260 M

Order no.

0911003783

## Other accessories

## Roller Stands

- For supporting long workpieces when sawing, moulding/routing, planing and drilling
- Sturdy, height-adjustable and foldable



## Roller Stand RS 420

- With smooth-rolling special steel rollers with a high load capacity
- Width: 400 mm  
Support weight: 100 kg  
Height: 640 - 1,015 mm

Order no.

0910053353



## Roller Stand RS 420 G

- With smooth-rolling chromium-plated ball bearings
  - Also permits lateral movements
  - Ideal for panel material
- Width: 520 mm  
Support weight: 100 kg  
Height: 640 - 1,015 mm

0910053345



## Roller Stand RS 420 W

- With smooth-rolling chromium-plated ball bearings
  - Adjustable ball bearing gib
  - Also permits lateral movements
  - Ideal for panel material, round or square workpieces
- Width: 420 mm  
Support weight: 100 kg  
Height: 640 - 1,015 mm

0910053361

Spray for maintenance and care		
	<p><b>Spray for maintenance and care</b></p> <ul style="list-style-type: none"> <li>■ Ideal for maintenance and care of wood processing machines</li> <li>■ Contains silicone, prevents saw dust from sticking, e.g. to threaded rods or sliding bearings</li> <li>■ Increases the sliding quality of the workpieces on the machine table</li> <li>■ High cleaning capacity</li> </ul>	<p>Order no. 0911018691*</p>
Lubricant		
	<ul style="list-style-type: none"> <li>■ To help the wood glide well on the dressing plate and the thickness table</li> </ul>	
	<p><b>Waxilit - lubricant</b> Weight: 70 g</p>	<p>Order no. 0911001071</p>
	<p><b>Waxilit - lubricant</b> Weight: 1 kg</p>	<p>Order no. 4313062258</p>
Push block		
	<p><b>Push block</b></p> <ul style="list-style-type: none"> <li>■ For the lateral guiding of the workpiece</li> </ul>	<p>Order no. 0910057200*</p>



# Compressors Compressed Air Tools Compressed Air Preparation Compressed Air Distribution

\* Self-service packaging

# Which compressor for which application?

	Type	Compressor Models																
		Basic 250-24 W OF	Basic 250-24 W	Basic 250-50 W	Power 150	Power 260	PowerAir 350	PowerAir V 400	Mega 400-50 W	Mega 400-50 D	Mega 350-100 W	Mega 350-100 D	Mega 350-150 D	Mega 550-90 D	Mega 520-200 D	Mega 580-200 D	Mega 700-90 D	Mega 650-270 D
<b>Compressed air tools that should be oiled</b>																		
<b>Compressed Air Impact Screwdriver</b>	DSSW 360 Set 1/2"			□			□	■	■	■	■	■	■	■	■	■	■	■
	DSSW 450-3/8"			□			□	■	■	■	■	■	■	■	■	■	■	■
	DSSW 475-1/2"			□			□	■	■	■	■	■	■	■	■	■	■	■
	DSSW 930-1/2"			□			□	■	■	■	■	■	■	■	■	■	■	■
	DSSW 1690-3/4"													■	■	■	■	■
	DSSW 2440-1"													□	□	■	■	■
<b>Compressed Air Ratchet Wrench</b>	DRS 68 Set 1/2"						□	□	□	□	□	□	■	■	■	■	■	
	DRS 35-1/4"								□	□	□	□	■	■	■	■	■	
	DRS 95-1/2"								□	□	□	□	■	■	■	■	■	
<b>Compressed Air Screwdriver</b>	DS 14								□	□	□	□	■	■	■	■	■	
<b>Compressed Air Drill</b>	DB 10								□	□	□	□	■	■	■	■	■	
<b>Compressed Air Die Grinder</b>	DG 25 Set								□	□	□	□	■	■	■	■	■	
	DG 700											□	□	□	■	■	■	
	DG 700 L											□	□	□	■	■	■	
<b>Compressed Air Angle Grinder</b>	DW 125											□	□	□	■	■	■	
	DW 125 Quick											□	□	□	■	■	■	
<b>Compressed Air Disc Sander</b>	DSX 150											□	□	□	■	■	■	
<b>Compressed Air Band File</b>	DBF 457								□	□	□	□	■	■	■	■	■	
<b>Compressed Air Large Diameter Saw</b>	DKS 10 Set								□	□	□	□	■	■	■	■	■	
<b>Compressed Air Chipping Hammer</b>	DMH 30 Set								□	□	□	□	■	■	■	■	■	
	DMH 290 Set								□	□	□	□	■	■	■	■	■	
<b>Compressed Air Tacker and Nailer</b>	DKNG 40/50	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
<b>Compressed Air Pin Nailer</b>	DPN 25	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
<b>Compressed Air Tacker</b>	DKG 80/16	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	DKG 90/25	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
	DKG 90/40	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
	DKG 114/65	□	□	□			□	□	■	■	■	■	■	■	■	■	■	
<b>Compressed Air Head Nailer</b>	DSN 50	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
<b>Compressed Air Grease Gun</b>	DFP 400	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	

	Type	Compressor Models																
		Basic 250-24 W OF	Basic 250-24 W	Basic 250-50 W	Power 150	Power 260	PowerAir 350	PowerAir V 400	Mega 400-50 W	Mega 400-50 D	Mega 350-100 W	Mega 350-100 D	Mega 350-150 D	Mega 550-90 D	Mega 520-200 D	Mega 580-200 D	Mega 700-90 D	Mega 650-270 D
<b>Oil-free Compressed Air Tools</b>																		
<b>Tyre Inflation Measuring Device</b>	RF 60	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	■
	RF 60 G	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	■
	RF 80 G	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	■
	RF 80 D	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	■
<b>Compressed Air Sand Blaster</b>	SSP 1000									□	□	□	□	□	■	■	■	
<b>Spray Gun</b>	SPP 1000									□	□	□	□	□	■	■	■	
<b>Combo-Spray Gun</b>	UBS 1000									□	□	□	□	□	■	■	■	
<b>Compressed Air Cartridge Gun</b>	DKP 310	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
<b>Paint Spray Gun</b>	FSP 100	■	■	■			■	■	■	■	■	■	■	■	■	■	■	
	FSP 600								□	□	■	■	■	■	■	■	■	
	FSP 1000 S								□	□	■	■	■	■	■	■	■	
	FSP 600 HVLP								□	■	■	■	■	■	■	■	■	
FSP 600 LVLP									■	■	■	■	■	■	■	■		
<b>Blow Gun</b>	BP 10	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
	BP 210	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
	BP 200	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
	BP 500	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
<b>Blow Gun Aluminium</b>	BPA 15	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
	BPA 15 S	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
<b>Compressed Air Tool Set</b>	LPZ 4 Set	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	
	LPZ 7 Set	■	■	■	□	□	■	■	■	■	■	■	■	■	■	■	■	

■ = good suitability/ for continuous use of one tool per compressor  
 □ = limited suitability/for short use

# Robust, powerful, reliable: Metabo's Compressor Classes

We know the different requirements for compressors and offer the right model with individual benefits for every application. Like this you will find exactly the compressor that suits your personal requirements! Our range stretches from light and compact basic models and the handy and mobile power class to the extremely powerful mega compressors for demanding applications. Your job is the decisive factor.

**Belt drive**  
for low speeds and particularly quiet operation

**High-quality Condor pressure switch**  
with pressure regulator and relief valve for starting-up relief



**Long transport handle**  
with integrated cable winding

**Filter pressure reducer with fine filter and mist oiler**  
for adjustable, applicationbased working pressure and ideal air quality

**Easy access**  
to the condensate outlet

**Robust wheels and castors**  
for optimum transport and safe support thanks to locking brake

Mega 700-90 D



NEW



NEW



NEW



## Technical Data

	Compressor Basic 250-24 W OF	Compressor Basic 250-24 W	Compressor Basic 250-50 W
Suction rate	220 l/min	200 l/min	200 l/min
Filling capacity	120 l/min	110 l/min	110 l/min
Effective delivery volume (at 80% max. pressure)	100 l/min	95 l/min	95 l/min
Maximum pressure	8 bar	8 bar	8 bar
Rated input power	1.5 kW	1.5 kW	1.5 kW
Maximum speed	2,850 /min	2,850 /min	2,850 /min
Tank capacity	24 l	24 l	50 l
Sound pressure level (LpA)	97 dB(A)	97 dB(A)	97 dB(A)
Dimensions	630 x 406 x 630 mm	630 x 406 x 630 mm	830 x 445 x 715 mm
Weight	24 kg	27 kg	32 kg
Cable length	1.5 m	1.5 m	1.5 m

## Scope of delivery

Order no.	6.01532	6.01533	6.01534
1 Universal quick-action coupling	■	■	■
Pull handle with rubber-coating	■	■	■

## Product advantages

- Oil-free piston condenser: simple transportation and reduced service requirements
- Oil-lubricated piston condenser
- Oil-lubricated piston condenser
- Rubber-coated handle for comfortable handling
- Rubber-coated handle for comfortable handling
- Powerful, robust compressor for simple, commercial use
- For single phase alternating current
- Working pressure can be regulated according to application by means of pressure reducer with manometer
- Good cold start feature thanks to push button with safety valve
- Overload protection: protects the motor from overheating
- Rubberised, stable wheels for mobile use
- Testing not necessary before initial operation
- Additional manometer for displaying the tank pressure
- 10 years tank warranty against rusting

## System components

507 → Accessories



**Light and Compact:  
The Basic Class**  
Compact and light starter models for simple, industrial applications



**Mobility for the Construction Site:  
The Power Class**  
Mobile piston compressor for flexible and demanding use. Ideal for interior construction and on construction sites thanks to large wheels and trolley function.



**Powerful and Comfortable:  
The Mega Class**  
Particularly powerful, V-belt compressor for professional use in the workshop

**Technical Data****Compressor Power 150**

Suction rate	100 l/min
Filling capacity	50 l/min
Effective delivery volume (at 80% max. pressure)	46 l/min
Maximum pressure	8 bar
Rated input power	0.75 kW
Maximum speed	1,450 /min
Tank capacity	3 l
Sound pressure level (LpA)	74 dB(A)
Dimensions	465 x 310 x 465 mm
Weight	16 kg
Cable length	1.8 m

**Compressor Power 260**

Suction rate	235 l/min
Filling capacity	125 l/min
Effective delivery volume (at 80% max. pressure)	110 l/min
Maximum pressure	8 bar
Rated input power	1.5 kW
Maximum speed	2,850 /min
Tank capacity	4 l
Sound pressure level (LpA)	87 dB(A)
Dimensions	600 x 310 x 405 mm
Weight	18 kg
Cable length	1.8 m

Order no.	0230023204	0230026211
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**Product advantages**

- Particularly low on noise and vibrations
- Compact and mobile piston compressor for professional use indoors and at construction sites
- Portable assembly compressor – ideal for tackers and nails as well as for separating pipes by force
- For single phase alternating current
- Oil-free piston condenser with innovative WPS technology: teflon-coated piston rings for minimal wear
- Fittings and control elements protected in tubular frames and clearly visible
- Overload protection: protects the motor from overheating
- Testing not necessary before initial operation
- Good cold start feature thanks to push button with starting valve
- Regulated working pressure thanks to pressure reducers
- Two manometers to display working and tank pressure
- 10 years tank warranty against rusting
- Vibration-damping suction base

**System components**

507 → Accessories

**Technical Data****Compressor PowerAir 350**

Suction rate	290 l/min
Filling capacity	165 l/min
Effective delivery volume (at 80% max. pressure)	150 l/min
Maximum pressure	10 bar
Rated input power	1.8 kW
Maximum speed	2,850 /min
Tank capacity	23 l
Sound pressure level (LpA)	88 dB(A)
Dimensions	490 x 450 x 750 mm
Weight	37 kg
Cable length	2 m

**Compressor PowerAir V 400**

Suction rate	340 l/min
Filling capacity	220 l/min
Effective delivery volume (at 80% max. pressure)	180 l/min
Maximum pressure	10 bar
Rated input power	2.2 kW
Maximum speed	1,450 /min
Tank capacity	24 l
Sound pressure level (LpA)	87 dB(A)
Dimensions	620 x 540 x 775 mm
Weight	47 kg
Cable length	2.1 m

Order no.	0230135100	0230140000
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**Product advantages**

- Instrument panel with clearly readable manometer for tank and working pressure
- Compact and mobile piston compressor for professional use indoors and at construction sites
- For single phase alternating current
- Oil-lubricated piston condenser
- Rubberised, stable wheels and pull handle for mobile use
- Overload protection: protects the motor from overheating
- Testing not necessary before initial operation
- Good cold start feature thanks to push button with starting valve
- 10 years tank warranty against rusting

**System components**

507 → Accessories



NEW



NEW



## Technical Data

Compressor  
Mega 400-50 W

Suction rate	400 l/min
Filling capacity	300 l/min
Effective delivery volume (at 80% max. pressure)	260 l/min
Maximum pressure	10 bar
Rated input power	2.2 kW
Maximum speed	1,050 /min
Tank capacity	50 l
Sound pressure level (LpA)	86 dB(A)
Dimensions	1,050 x 410 x 817 mm
Weight	73 kg
Cable length	1.5 m

Compressor  
Mega 400-50 D

Suction rate	400 l/min
Filling capacity	300 l/min
Effective delivery volume (at 80% max. pressure)	260 l/min
Maximum pressure	10 bar
Rated input power	2.2 kW
Maximum speed	1,050 /min
Tank capacity	50 l
Sound pressure level (LpA)	86 dB(A)
Dimensions	1,050 x 410 x 817 mm
Weight	73 kg
Cable length	1.5 m

## Scope of delivery

Order no.	6.01536	6.01537
3 universal couplings	■	■

## Product advantages

- For single phase alternating current
- For three phase current
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and particularly quiet operation
- Oil-lubricated piston condenser
- Working pressure can be regulated according to application and air quality improved thanks to the filter pressure reducer with manometer and oil-mist lubricator
- Good cold start feature thanks to push button with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Instrument panel with clearly readable manometer for tank and working pressure
- Large, rubberised wheels for comfortable transport
- Steering castors with locking brake for high manoeuvrability
- Option to wind up the cable
- Ergonomic, long pull handle with integrated cable drum
- 10 years tank warranty against rusting

## System components

507 → Accessories



NEW



NEW



NEW



## Technical Data

Compressor  
Mega 350-100 W

Suction rate	320 l/min
Filling capacity	250 l/min
Effective delivery volume (at 80% max. pressure)	220 l/min
Maximum pressure	10 bar
Rated input power	2.2 kW
Maximum speed	1,350 /min
Tank capacity	90 l
Sound pressure level (LpA)	86 dB(A)
Dimensions	1,000 x 410 x 900 mm
Weight	69 kg
Cable length	1.5 m

Compressor  
Mega 350-100 D

Suction rate	320 l/min
Filling capacity	250 l/min
Effective delivery volume (at 80% max. pressure)	220 l/min
Maximum pressure	10 bar
Rated input power	2.2 kW
Maximum speed	1,350 /min
Tank capacity	90 l
Sound pressure level (LpA)	86 dB(A)
Dimensions	1,000 x 410 x 900 mm
Weight	69 kg
Cable length	1.5 m

Compressor  
Mega 350-150 D

Suction rate	320 l/min
Filling capacity	250 l/min
Effective delivery volume (at 80% max. pressure)	220 l/min
Maximum pressure	10 bar
Rated input power	2.2 kW
Maximum speed	1,350 /min
Tank capacity	150 l
Sound pressure level (LpA)	86 dB(A)
Dimensions	1,380 x 420 x 950 mm
Weight	85 kg
Cable length	1.5 m

## Scope of delivery

Order no.	6.01538	6.01539	6.01587
3 universal couplings	■	■	■

## Product advantages

- For single phase alternating current
- For three phase current
- For three phase current
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and particularly quiet operation
- Oil-lubricated piston condenser
- Working pressure can be regulated according to application by means of filter pressure reducer with manometer
- Good cold start feature thanks to push button with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Rubberised feet for optimum stability
- Rubberised, stable wheels and pull handle for mobile use
- 10 years tank warranty against rusting

## System components

507 → Accessories

NEW



NEW



Technical Data	Compressor Mega 550-90 D	Compressor Mega 700-90 D
Suction rate	510 l/min	650 l/min
Filling capacity	395 l/min	520 l/min
Effective delivery volume (at 80% max. pressure)	360 l/min	450 l/min
Maximum pressure	11 bar	11 bar
Rated input power	3 kW	4 kW
Maximum speed	1,400 /min	1,400 /min
Tank capacity	90 l	90 l
Sound pressure level (LpA)	87 dB(A)	88 dB(A)
Dimensions	1,126 x 490 x 917 mm	1,188 x 520 x 1,110 mm
Weight	103 kg	119 kg
Cable length	1.5 m	1.5 m

## Scope of delivery

Order no.	6.01540	6.01542
3 universal couplings	■	■

## Product advantages

- Recooler for less condensation water formation
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and particularly quiet operation
- Two-level condensation for particularly high performance and long service life
- For three phase current
- Working pressure can be regulated according to application and air quality improved thanks to the filter pressure reducer with manometer and oil-mist lubricator
- Good cold start feature thanks to push button with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Oil-lubricated 2-cylinder piston condenser for high air supply volume
- Instrument panel with clearly readable manometer for tank and working pressure
- Large, rubberised wheels for comfortable transport
- Steering castors with locking brake for high manoeuvrability
- Option to wind up the cable
- Ergonomic, long pull handle with integrated cable drum
- 10 years tank warranty against rusting

## System components

507 → Accessories

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Technical Data	Compressor Mega 520-200 D	Compressor Mega 580-200 D	Compressor Mega 650-270 D
Suction rate	490 l/min	510 l/min	650 l/min
Filling capacity	370 l/min	395 l/min	520 l/min
Effective delivery volume (at 80% max. pressure)	320 l/min	360 l/min	450 l/min
Maximum pressure	10 bar	11 bar	11 bar
Rated input power	3 kW	3 kW	4 kW
Maximum speed	1,300 /min	1,400 /min	1,400 /min
Tank capacity	200 l	200 l	270 l
Sound pressure level (LpA)	89 dB(A)	87 dB(A)	88 dB(A)
Dimensions	1,500 x 450 x 960 mm	1,430 x 550 x 1,010 mm	1,530 x 600 x 1,160 mm
Weight	131 kg	136 kg	170 kg
Cable length	1.5 m	1.5 m	1.5 m

## Scope of delivery

Order no.	6.01541	6.01588	6.01543
3 universal couplings	■	■	■

## Product advantages

- Two-level condensation for particularly high performance and long service life
- Two-level condensation for particularly high performance and long service life
- Recooler for less condensation water formation
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and particularly quiet operation
- For three phase current
- Working pressure can be regulated according to application by means of pressure reducer with manometer
- Good cold start feature thanks to push button with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Oil-lubricated 2-cylinder piston condenser for high air supply volume
- Rubberised feet for optimum stability
- Rubberised, stable wheels and pull handle for mobile use
- 10 years tank warranty against rusting

## System components

507 → Accessories



**Technical Data**

**Compressed Air Impact Wrench  
DSSW 360 Set 1/2"**

Working pressure	6.2 bar
Air requirement	6 l/s
Square Drive	1/2"
Loosening torque	360 Nm
Weight	2 kg

**Scope of delivery**

Order no.	6.04118
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
10 socket spanners (10, 11, 13, 14, 17, 19, 21, 22, 24, 27 mm)	■
Plastic carry case	■
Oil bottles	■
extension	■

**Product advantages**

- Durable hammer impact mechanism
- For screwing wheel bolts on automobiles, for assembly work and repairs.
- Robust impact wrench for changing tyres, repair and assembly work
- Change of direction of rotation clockwise/anticlockwise via control button
- For different applications: 360 Nm loosening torque
- Ergonomically shaped, rubber-coated handle for comfortable and low-fatigue operation
- Exhaust guide with handle
- Tightening torque adjustable to three levels

**System components**

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NEW



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NEW



**Technical Data**

**Compressed Air Impact Wrench  
DSSW 450-3/8"**

**Compressed Air Impact Wrench  
DSSW 475-1/2"**

**Compressed Air Impact Wrench  
DSSW 930-1/2"**

Working pressure	6.2 bar	6.2 bar	6.2 bar
Air requirement	7 l/s	7 l/s	9 l/s
Square Drive	3/8"	1/2"	1/2"
Loosening torque	450 Nm	475 Nm	930 Nm
Weight	1.2 kg	1.2 kg	1.8 kg

**Scope of delivery**

Order no.	6.01547	6.01548	6.01549
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■	■	■
Oil bottles	■	■	■

**Product advantages**

- For screwing wheel bolts on automobiles, for assembly work and repairs. Universal use
- Practical and lightweight for easy operation even in places difficult to reach
- Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
- Ergonomic right/left switching with convenient one-hand operation
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- Torque can be set in three levels for different screwing applications

**System components**

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NEW



Technical Data	Compressed Air Impact Wrench DSSW 1690-3/4"
Working pressure	6.2 bar
Air requirement	10.5 l/s
Square Drive	3/4"
Loosening torque	1,690 Nm
Weight	3.5 kg

Scope of delivery	Order no.
Order no.	6.01550
EURO and ARO/Orion Plug-in Nipple 3/8"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
Oil bottles	■

**Product advantages**

- For screwing wheel bolts on automobiles and transporters, for assembly work and repairs. Universal use
- Practical and lightweight for easy operation even in places difficult to reach
- Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
- Ergonomic right/left switching with convenient one-hand operation
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- Torque can be set in three levels for different screwing applications

NEW



Technical Data	Compressed Air Impact Wrench DSSW 2440-1"
Working pressure	6.2 bar
Air requirement	13 l/s
Square Drive	1"
Loosening torque	2,440 Nm
Weight	7.3 kg

Scope of delivery	Order no.
Order no.	6.01551
EURO and ARO/Orion Plug-in Nipple 1/2"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
Oil bottles	■

**Product advantages**

- Large front handle for an ergonomic working position
- Extended drive stem for screw-driving jobs on deep centre rims
- Robust and powerful impact wrench for heavy-duty jobs e.g. lorry service

Accessories for impact screwdrivers, ratchet screwdrivers

	Order no.
<p><b>Socket Wrench Set 3/8" (10 pieces)</b> Consisting of 10 socket wrenches (8, 9, 10, 11, 12, 13, 15, 17, 18, 19 mm)</p>	6.28830
<p><b>Socket Wrench Set 1/2" (10 pieces)</b> Consisting of 10 socket wrenches (10, 11, 12, 13, 15, 17, 19, 21, 22, 24 mm)</p>	6.28831
<p><b>Socket Wrench Set 1/2" (3 pieces)</b> Consisting of 3 socket wrenches (17, 19, 21 mm) For alloy wheel nuts, long version</p>	6.28833
<p><b>Socket Wrench Extension 1/2" impact-proof</b> Overall length 150 mm</p>	6.28832
<p><b>Socket Wrench Set 3/4" (8 pieces)</b> Consisting of 8 socket wrenches (21, 22, 24, 26, 27, 28, 30, 32 mm)</p>	6.28834
<p><b>Socket Wrench Set 1" (8 pieces)</b> Consisting of 8 socket wrenches (24, 27, 30, 32, 33, 34, 36, 38 mm) Deep version</p>	6.28835
<p><b>Nut set 1/2" (11 pieces)</b> Consisting of 11 nuts (10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 24 mm)</p>	0901010021
<p><b>Nut set 3/4" (8 pieces)</b> Consisting of 8 nuts (21, 22, 24, 26, 27, 28, 30, 32 mm)</p>	0901014647
<p><b>Wall bracket</b> Retention force 15 kg Suitable for compressed air tools, for 3/8", 1/2" and 3/4" impact screwdrivers and accessories</p>	6.28848

**System components**

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Technical Data	Compressed Air Ratchet Wrench DRS 68 set 1/2"
Working pressure	6.2 bar
Air requirement	220 l/min
Square Drive	1/2"
Speed	175 /min
Loosening torque	68 Nm
Weight	1.2 kg

Scope of delivery	
Order no.	6.04119
EURO and ARO/Orion Plug-in Nipple 1/4"	■
7 socket spanners (9, 10, 11, 13, 14, 17, 19 mm)	■
Plastic carry case	■
Oil bottles	■
Extension 75 mm	■
Flexible joint	■

- Product advantages**
- Ergonomic fwd/rev switch
  - Easy adjustment of direction of rotation at ratchet head
  - Compact design
  - For all work with screws: e.g. repairs on cars, steel construction etc.
  - Ergonomic, partially rubber-coated housing: cold-insulating, non-slip and low vibration for comfortable work
  - Integrated speed control
  - Rotatable exhaust guide at the side of the housing.

**System components**

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Technical Data	Compressed Air Ratchet Wrench DRS 35-1/4"	Compressed Air Ratchet Wrench DRS 95-1/2"
Working pressure	6.3 bar	6.2 bar
Air requirement	390 l/min	450 l/min
Square Drive	1/4"	1/2"
Speed	270 /min	160 /min
Loosening torque	35 Nm	95 Nm
Weight	0.53 kg	1.2 kg

Scope of delivery		
Order no.	6.01552	6.01553
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
Oil bottles	■	■

- Product advantages**
- Practical and lightweight for easy operation even in places difficult to reach
  - Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
  - User-friendly exhaust guide through the handle avoids dust turbulence in the working area
  - User-friendly, rotating exhaust guide: no dust turbulence in the working area
  - Ideally suited for all car applications
  - Universal application for all screwing tasks
  - Ergonomic fwd/rev switch
  - Rubberised handle for ergonomic and fatigue-free operation
  - High-performance planetary gear train for a long service life and optimum transmission of force

**System components**

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Technical Data	Compressed Air Screwdriver DS 14
Working pressure	6.2 bar
Air requirement	340 l/min
Speed	1,800 /min
Loosening torque	5 - 14 Nm
Weight	1.2 kg

Technical Data	Compressed Air Drill DB 10
Working pressure	6.2 bar
Air requirement	360 l/min
Speed	1,800 /min
Chuck capacity	3 - 10 mm
Weight	1.2 kg

Technical Data	Compressed Air Chipping Hammer DMH 30 Set
Working pressure	6.2 bar
Air requirement	280 l/min
Impact rate	3,000 /min
Bit retainer	Hexagon shaft 10 mm
Weight	2 kg

Technical Data	Compressed Air Chipping Hammer DMH 290 Set
Working pressure	6.2 bar
Air requirement	330 l/min
Impact rate	2,900 /min
Bit retainer	Hexagon shaft 10 mm
Weight	1.7 kg

Scope of delivery	
Order no.	6.04117
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Oil bottles	■

Scope of delivery	
Order no.	6.04120
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Oil bottles	■

Scope of delivery	
Order no.	6.04115
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
4 Chisels	■
3 chisels	■
Quick-clamp spring	■
Quick-action chuck	■
Plastic carry case	■
Oil bottles	■

Scope of delivery	
Order no.	6.01561
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
4 Chisels	■
3 chisels	■
Quick-clamp spring	■
Quick-action chuck	■
Plastic carry case	■
Oil bottles	■

- Product advantages**
- Handy wrench for assembly work
  - Ergonomically shaped, rubber-coated handle for comfortable and low-fatigue operation
  - Ergonomic fwd/rev switch
  - Gun shape
  - Adjustable torque from 5 to 14 Nm
  - Bit holder for comfortable single-handed tool change
  - Exhaust guide with handle

- Product advantages**
- Very handy device for fatigue-free work
  - Ergonomically shaped, rubber-coated handle for comfortable and low-fatigue operation
  - Quick work progress thanks to high torque of 1,800 / min
  - Ergonomic fwd/rev switch
  - Exhaust guide with handle

- Product advantages**
- Light, handy chipping hammer
  - Suitable for construction work on masonry, bricks, aerated concrete
  - Ideal for knocking down plaster and tiles and light mortising work
  - User-friendly exhaust guide through the handle avoids dust turbulence in the working area
  - Rubberised handle for ergonomic and fatigue-free operation

- For processing of sheet metal and stone
- For work in the car body area
- Kickback damping for reduction of vibrations
- Long piston stop with higher power transmission and effective operation and rapid work progress
- Quick-action chuck: for quick and tool-free change of chisels

**System components**  
285 → Accessories

**System components**  
224 → Accessories

**System components**  
486 → Accessories

Accessories for chipping hammers		Order no.
	<b>Stone chisel</b> Overall length: 173 mm; hexagonal shank bit SW 10	0901026521
	<b>Stone chisel</b> 20 mm wide; overall length: 175 mm; hexagonal shank bit SW 10	0901026530
	<b>Stone chisel</b> 50 mm wide; overall length: 180 mm; hexagonal shank bit SW 10	0901026548
	<b>Stone chisel</b> 40 mm wide; overall length: 250 mm Hexagonal shank bit SW 10	0901026572
	<b>Spring for chipping hammer MHS 315</b> 8 coils Suitable for MHS 315, DW 315	0901013047*
	<b>Spring for chipping hammer MHS 450</b> 10 coils Suitable for MHS 450, MHS 5050	0901026327*
	<b>Needle scaler attachment</b> Suitable for DMH 30 Set, DMH 290 Set, as well as all competitor models, universal	6.28822*



Technical Data	Compressed Air Large Diameter Saw DKS 10 Set
Working pressure	6.2 bar
Air requirement	420 l/min
Stroke length	10 mm
Strokes at rated load	9,000 /min
Cutting strength	
- Aluminium	4 mm
- Steel	3 mm
Weight	0.65 kg

Scope of delivery	6.01560
EURO and ARO/Orion Plug-in Nipple 1/4"	■
5 saw blades each (18 teeth, 24 teeth, 32 teeth)	■
Hexagonal Wrench	■
Plastic carry case	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
Oil bottles	■

- Product advantages**
- Suitable for cutting metal sheets, plastics, aluminium, wood and fibre glass
  - Low vibrations for convenient continuous operation
  - Magnesium housing: particularly light and robust
  - Rubberised handle for ergonomic and fatigue-free operation
  - User-friendly exhaust guide through the handle avoids dust turbulence in the working area
  - Sound-proofed air outlet for reduced noise operation
  - Precise saw blade guide for high cutting output and clean cutting edges
  - Adjustable hoop guard: exact setting of cutting depth
  - Safety lever prevents unintentional start

Technical Data	Compressed Air Die Grinder DG 25 set
Working pressure	6.2 bar
Air requirement	300 l/min
Speed	25,000 /min
Weight	0.43 kg

Scope of delivery	6.04116
EURO and ARO/Orion Plug-in Nipple 1/4"	■
2 collets (3 mm, 6 mm)	■
5 mounted points each (3 mm, 6 mm)	■
2 open-jawed spanners (13 mm, 16 mm)	■
Plastic carry case	■

- Product advantages**
- For sanding/grinding, deburring, moulding/routing and engraving
  - Integrated speed control
  - Ergonomic, partially rubber-coated housing: cold-insulating, non-slip and low vibration for comfortable work
  - Safety lever for protection against accidental start up
  - Rotatable exhaust guide at the side of the housing.

**System components**

506 → Accessories

**System components**

182 → Accessories

\* Self-service packaging

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Technical Data	Compressed Air Die Grinder DG 700	Compressed Air Die Grinder DG 700 L
Working pressure	6.2 bar	6.2 bar
Air requirement	600 l/min	600 l/min
Speed	22,000 /min	22,000 /min
Weight	0.83 kg	1.3 kg

Scope of delivery	6.01554	6.01555
Order no.	6.01554	6.01555
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
Collet 6 mm (industry standard)	■	■
Oil bottles	■	■

- Product advantages**
- Particularly powerful and robust for demanding use
  - For sanding/grinding, deburring, moulding/routing and engraving
  - For grinding flat and curved surfaces made from a range of different materials
  - Practical and lightweight for easy operation even in places difficult to reach
  - Ergonomic, cold-insulating and light housing made from impact-proof plastic
  - User-friendly exhaust guide through the handle avoids dust turbulence in the working area
  - Sound-proofed air outlet for reduced noise operation
  - Compact dimensions for convenient one-hand operation

Technical Data	Compressed Air Angle Grinder DW 125	Compressed Air Angle Grinder DW 125 Quick
Grinding disc Ø	125 mm	125 mm
Working pressure	6.2 bar	6.2 bar
Air requirement	500 l/min	500 l/min
No-load speed	10,000 /min	10,000 /min
Spindle thread	M 14	M 14
Weight	1.8 kg	2 kg

Scope of delivery	6.01556	6.01557
Order no.	6.01556	6.01557
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
Hexagonal Wrench	■	■
Side handle	■	
Flat-pin Spanner	■	
Anti-vibration handle		■
Protective cover for disc	■	■
Open-jawed spanner	■	
Oil bottles	■	■

- Product advantages**
- Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Metabo "Quick" for changing discs by means of quick-adjusting nut
  - Tool-free adjustable guard; twist-proof and can be secured in 8 positions

- For grinding flat and curved surfaces made from a range of different materials
- Ergonomic, cold-insulating and light housing made from impact-proof plastic
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- Sound-proofed air outlet for reduced noise operation
- Safety lever prevents unintentional start
- For use with roughing and separating discs Ø 125 mm
- Numerous grinding wheels and cutting discs are available in the Metabo range

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NEW



Technical Data	Compressed Air Band File DBF 457
Working pressure	6.2 bar
Air requirement	400 l/min
No-load belt speed	20 m/s
Grinding belt width	13 mm
Grinding belt length	457 mm
Useful length of grinding belt arm	90 mm
Weight	1.5 kg

**Scope of delivery**

Order no.	6.01559
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Grinding Belt (13x457mm;P120)	■
Fleece Belt (13x457mm; medium)	■
Hexagonal Wrench	■
Oil bottles	■

**Product advantages**

- Powerful, compact band file for grinding, burnishing and deburring at places difficult to reach
- Tool-less sanding belt exchange and automatic belt tensioning
- Grinding attachment can be swivelled by 36° for perfect adaptation to any working position
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- Safety lever prevents unintentional start
- Suitable for sanding belts 13 x 457 mm.

**System components**

158 → Accessories

NEW



Technical Data	Compressed Air Disc Sander DSX 150
Grinding plate Ø	150 mm
Working pressure	6.3 bar
Air requirement	550 l/min
Speed	12,000 /min
Working stroke	5 mm
Weight	1 kg

**Scope of delivery**

Order no.	6.01558
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Open-jawed spanner	■
Hexagonal Wrench	■
Oil bottles	■

**Product advantages**

- Ergonomic, cold-insulating and light housing made from impact-proof plastic
- Compact dimensions for convenient one-hand operation
- For grinding flat and curved surfaces made from a range of different materials
- Infinitely adjustable rotation regulation for working with customised speeds for the materials used
- Sound-proofed air outlet for reduced noise operation
- Suitable for wet and dry sanding/grinding
- Separate exhaust: connection option to external dust extraction
- 6-hole backing pad Ø 150 mm with cling-fit for use of currently available sandpapers

**System components**

314, 506 → Accessories

NEW



Technical Data	Compressed Air Tacker and Nailer DKNG 40/50
Nail type	SKN
Nail length	15 - 50 mm
Staple type	90 + ES
Staple length	15 - 40 mm
Working pressure	5 - 7 bar
Air requirement per impact	0.66 l
Weight	1.1 kg

**Scope of delivery**

Order no.	6.01562
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Oil bottles	■
Safety goggles	■
Plastic carry case	■

**Product advantages**

- For processing staples and nails
- For interiors, e.g. for fixing wall and ceiling panelling or for attaching strips
- For fixing slot and spring boards, chipboards etc.
- Practical and lightweight for easy operation even in places difficult to reach
- Switching between staples and clinch head nails without needing conversion
- Contact fuse prevents unintentional triggering for the protection of the user
- Tool-free opening of the front plate for simple and rapid elimination of faults
- Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
- Rubberised handle for ergonomic and fatigue-free operation
- User-friendly, rotating exhaust guide: no dust turbulence in the working area

**System components**

495 → Accessories



Technical Data	Compressed Air Tacker DKG 80/16	Compressed Air Tacker DKG 90/25
Staple type	80	90 + ES
Staple length	4 - 16 mm	13 - 25 mm
Working pressure	5 - 7 bar	5 - 7 bar
Air requirement per impact	0.34 l	0.52 l
Weight	0.78 kg	0.72 kg

Scope of delivery	6.01564	6.01565
Order no.	6.01564	6.01565
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
Oil bottles	■	■
Safety goggles	■	■
Plastic carry case	■	■

- Product advantages**
- For fixing liners, materials, insulation material
  - For interiors, e.g. for fixing wall and ceiling panelling or for attaching strips
  - For fixing slot and spring boards, chipboards etc.
  - Contact fuse prevents unintentional triggering for the protection of the user
  - User-friendly, rotating exhaust guide: no dust turbulence in the working area
  - For processing staples
  - Practical and lightweight for easy operation even in places difficult to reach
  - Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
  - Rubberised handle for ergonomic and fatigue-free operation

**System components**

495 ▶ Accessories



Technical Data	Compressed Air Tacker DKG 90/40	Compressed Air Tacker DKG 114/65
Staple type	90 + ES	114
Staple length	13 - 40 mm	32 - 65 mm
Working pressure	5 - 7 bar	5 - 8 bar
Air requirement per impact	0.66 l	1.5 l
Weight	0.93 kg	2.5 kg

Scope of delivery	6.01566	6.01567
Order no.	6.01566	6.01567
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
Oil bottles	■	■
Safety goggles	■	■
Plastic carry case	■	■

- Product advantages**
- For fixing slot and spring boards, chipboards etc.
  - Practical and lightweight for easy operation even in places difficult to reach
  - Protective rubber glove prevents damage to delicate surfaces
  - Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
  - Tool-free changeover from individual to series trigger
  - For processing staples
  - For interiors, e.g. for fixing wall and ceiling panelling or for attaching strips
  - Depth control via thumbwheel for cleaning working results
  - Contact fuse prevents unintentional triggering for the protection of the user
  - Tool-free opening of the front plate for simple and rapid elimination of faults
  - Rubberised handle for ergonomic and fatigue-free operation
  - User-friendly, rotating exhaust guide: no dust turbulence in the working area

**System components**

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NEW



Technical Data	Compressed Air Pin Nailer DPN 25
Nail type	PN
Nail length	15 - 25 mm
Working pressure	4.5 - 7 bar
Air requirement per impact	0.34 l
Weight	1 kg

## Scope of delivery

Order no.	6.01563
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Oil bottles	■
Safety goggles	■
Plastic carry case	■

## Product advantages

- For machining nails
- For fixing skirtings, glass and ornamental mouldings
- Practical and lightweight for easy operation even in places difficult to reach
- Protective rubber glove prevents damage to delicate surfaces
- Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
- Rubberised handle for ergonomic and fatigue-free operation

NEW



Technical Data	Compressed Air Head Nailer DSN 50
Nail type	SKN
Nail length	15 - 50 mm
Working pressure	5 - 8 bar
Air requirement per impact	0.66 l
Weight	0.92 kg

## Scope of delivery

Order no.	6.01568
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Oil bottles	■
Safety goggles	■
Plastic carry case	■

## Product advantages

- For machining nails
- For interiors, e.g. for fixing wall and ceiling panelling or for attaching strips
- Practical and lightweight for easy operation even in places difficult to reach
- Depth control via thumbwheel for cleaning working results
- Contact fuse prevents unintentional triggering for the protection of the user
- Tool-free opening of the front plate for simple and rapid elimination of faults
- Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
- Rubberised handle for ergonomic and fatigue-free operation
- User-friendly, rotating exhaust guide: no dust turbulence in the working area

## Accessories for tackers and nailers

## Staples



- Type 80, back width 12.8 mm/wire thickness 0.65 x 0.95 mm
- Treated with resin
- Galvanised

	Width mm	Overall length mm	Sales unit / Packing unit	Suitable for	Order no.
80/06 CNK	12.8	6	1 / 3,000	KG 80/16, DKG 80/16	0901053855
80/08 CNK	12.8	8	1 / 3,000	KG 80/16, DKG 80/16	0901053863
80/10 CNK	12.8	10	1 / 3,000	KG 80/16, DKG 80/16	0901053871
80/12 CNK	12.8	12	1 / 3,000	KG 80/16, DKG 80/16	0901053880
80/14 CNK	12.8	14	1 / 3,000	KG 80/16, DKG 80/16	0901053898
80/16 CNK	12.8	16	1 / 3,000	KG 80/16, DKG 80/16	0901053901

## Type 90, back width 5.8 mm/wire thickness 1.05 x 1.27 mm

90/15 CNK	5.8	15	1 / 2,000	Kombi 32, Kombi 40/50, KG 90/25, KG 90/40	0901053790
90/20 CNK	5.8	20	1 / 2,000	Kombi 32, Kombi 40/50, KG 90/25, KG 90/40	0901053804
90/25 CNK	5.8	25	1 / 2,000	Kombi 32, Kombi 40/50, KG 90/25, KG 90/40	0901053812
90/30 CNK	5.8	30	1 / 2,000	Kombi 32, Kombi 40/50, KG 90/40	0901053820
90/35 CNK	5.8	35	1 / 2,000	Kombi 40/50, KG 90/40	0901053839
90/40 CNK	5.8	40	1 / 2,000	Kombi 40/50, KG 90/40	0901053847

## Type 114, back width 10.8 mm/wire thickness 1.60 x 1.40 mm

114/35 CNK	10.8	35	1 / 10,000	DKG 114/65	6.28870
114/40 CNK	10.8	40	1 / 10,000	DKG 114/65	6.28871
114/45 CNK	10.8	45	1 / 10,000	DKG 114/65	6.28872
114/50 CNK	10.8	50	1 / 10,000	DKG 114/65	6.28873
114/65 CNK	10.8	65	1 / 10,000	DKG 114/65	6.28874

## Compressed head nails



- Galvanised
- Wire thickness 0.9 x 1.2 mm

	Overall length mm	Sales unit / Packing unit	Suitable for	Order no.
SKN 16 NK	16	1 / 1,000	Kombi 32, Kombi 40/50, SKN 50, DSN 50	0901053715
SKN 20 NK	20	1 / 1,000	Kombi 32, Kombi 40/50, SKN 50, DSN 50	0901053723
SKN 25 NK	25	1 / 1,000	Kombi 32, Kombi 40/50, SKN 50, DSN 50	0901053731
SKN 30 NK	30	1 / 1,000	Kombi 32, Kombi 40/50, SKN 50, DSN 50	0901053740
SKN 35 NK	35	1 / 1,000	Kombi 40/50, SKN 50, DSN 50	0901053758
SKN 40 NK	40	1 / 1,000	Kombi 40/50, SKN 50, DSN 50	0901053766
SKN 45 NK	45	1 / 1,000	Kombi 40/50, SKN 50, DSN 50	0901053774
SKN 50 NK	50	1 / 1,000	Kombi 40/50, SKN 50, DSN 50	0901053782

## Pin nails



- Galvanised
- Wire thickness 0.64 x 0.64 mm

	Overall length mm	Sales unit / Packing unit	Suitable for	Order no.
PN 15 NK	15	1 / 10,000	DPN 25	6.28860
PN 18 NK	18	1 / 10,000	DPN 25	6.28861
PN 22 NK	22	1 / 10,000	DPN 25	6.28862
PN 25 NK	25	1 / 10,000	DPN 25	6.28863

\* Self-service packaging

## System components

495 ▶ Accessories

# The new Paint Spray Guns: Ergonomic and Precise Application

We offer paint spray guns and the appropriate nozzle sets for different applications. Like this you always have the perfect solution for your application. If you attach great importance to transfer efficiency and therefore cost-saving working, we recommend the two paint spray guns FSP 600 HVLP and FSP 600 LVLP. They are characterised by perfect ergonomics and high transfer rate with very low air consumption. The result: particularly fast work progress and excellent paint finishes.



FSP 600 LVLP

Suitable for the use of water-based lacquers



Technical Data	Paint Spray Gun FSP 100	Paint Spray Gun FSP 600	Paint Spray Gun FSP 1000 S
Working pressure	3.5 bar	4.5 bar	4.5 bar
Air requirement	50 - 100 l/min	240 l/min	240 l/min
Weight	0.2 kg	0.6 kg	0.7 kg

Scope of delivery	6.01574	6.01575	6.01576
Order no.	6.01574	6.01575	6.01576
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■	■
Plastic flow bowl, 0.1 l	■		
Plastic flow bowl, 0.6 l		■	
Nozzle Ø 1.5 mm		■	■
Round spray nozzle Ø 1 mm	■		
Metal suction cap 1 l			■

**Product advantages**

- Compact, very handy paint spray gun for small areas, ideal for correction work
- Infinitely adjustable for circular and wide spray
- Air and paint volume regulation: accurate, even and high application of paint for excellent results
- Infinitely adjustable for circular and wide spray
- Air and paint volume regulation: accurate, even and high application of paint for excellent results

Recommended nozzle diameter for respective application	FSP 100	FSP 600	FSP 1000 S	FSP 600 HVLP	FSP 600 LVLP
Base coat	-	1.5/2.0/2.5	1.5/2.0/2.5	1.5/1.8/2.0	1.5/1.8/2.0
Spatula	-	2.0/2.5	2.0/2.5	2.0	2.0
Filler	-	1.5	1.5	1.3/1.5/1.8	1.3/1.5/1.8
Single stage paint	1.0	1.2/1.5	1.2/1.5	1.3/1.5	1.3/1.5
Metallic coat	-	1.2/1.5	1.2/1.5	1.3/1.5	1.3/1.5
Clear coat	-	1.2/1.5	1.2/1.5	1.3/1.5	1.3/1.5
Water-based coat	-	-	-	1.3/1.5/1.8/2.0	1.3/1.5/1.8/2.0

**System components**

499 → Accessories

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NEW



**Paint Spray Gun  
FSP 600 HVLP**

NEW



**Paint Spray Gun  
FSP 600 LVLP**

**Technical Data**

Working pressure	2 bar	1.6 bar
Air requirement	170 l/min	136 l/min
Weight	0.7 kg	0.7 kg

**Scope of delivery**

Order no.	6.01577	6.01578
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
Plastic flow bowl, 0.6 l	■	■
Cleaning brush	■	■
Assembly key	■	■
Filter	■	■
Nozzle Ø 1.3 mm	■	■

**Product advantages**

- HVLP (High Volume, Low Pressure): min. working pressure 0.7 bar at the nozzle kit, transfer rate approximately 70%. Low overspray, maximum transfer efficiency with low air consumption
- LVLV (Low Volume Low Pressure): min. working pressure 0.7 bar at the nozzle kit, transfer rate approximately 73%. Low overspray, maximum transfer efficiency with very low air consumption
- Infinitely adjustable for circular and wide spray
- Easy to clean, for the highest of precision and service life
- Nozzle kit made from stainless steel, suitable for use with water-soluble materials and materials containing solvents

**System components**

499 ▶ Accessories

Accessories for paint spray guns



Nozzle sets for paint spray guns

Diameter mm	Suitable for	Order no.
1.2	FB 150, SB 200, FSP 600, FSP 1000 S	0901026858*
1.5	FB 150, SB 200, FSP 600, FSP 1000 S	0901026866*
2	FB 150, SB 200, FSP 600, FSP 1000 S	0901026882*
2.5	FB 150, SB 200, FSP 600, FSP 1000 S	0901026904*
1.2	FB 2200	0901054649*
1.5	FB 2200	0901054657*
2	FB 2200	0901054673*
1.2	FB 2200 HVLP	0901055939*
1.5	FB 2200 HVLP	0901055947*
1.8	FB 2200 HVLP	0901055955*
2	FB 2200 HVLP	0901055963*
1.3	FSP 600 HVLP	6.28807*
1.5	FSP 600 HVLP	6.28808*
1.8	FSP 600 HVLP	6.28809*
2	FSP 600 HVLP	6.28810*
1.3	FSP 600 LVLP	6.28811*
1.5	FSP 600 LVLP	6.28812*
1.8	FSP 600 LVLP	6.28813*
2	FSP 600 LVLP	6.28814*

	Order no.
<b>Replacement flow cup made of plastic</b> Suitable for: FB 150	1319143870
<b>Replacement flow cup made of plastic</b> suitable for: FSP 600 HVLP, FSP 600 LVLP	6.28815*
<b>Replacement filter FSP 600 HVLP / FSP 600 LVLP</b> suitable for: FSP 600 HVLP, FSP 600 LVLP	6.28806

\* Self-service packaging



NEW

Technical Data	Compressed Air Sand Blaster SSP 1000
Working pressure	7 bar
Air requirement	300 l/min
Weight	0.7 kg

Scope of delivery	
Order no.	6.01569
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Metal suction cap and hardened spray nozzle	■

- Product advantages**
- Sand blaster gun for the removal of rust and paint residue in corners, at joints and on smaller surfaces
  - For use with all current steel means, universal use, ideal for small areas
  - Jet nozzle made from hardened steel for a long service life



NEW

Technical Data	Spray Gun SPP 1000
Working pressure	6 bar
Air requirement	200 l/min
Weight	0.8 kg

Scope of delivery	
Order no.	6.01570
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Metal suction cap 1 l	■

- Product advantages**
- Spray gun for a wide range of applications: spraying cold cleaners, detergents and spray oils
  - Suction cup with large mouth, easy to fill and clean

**System components**

506 ▶ Accessories



NEW

Technical Data	Combo-Spray Gun UBS 1000
Working pressure	6 bar
Air requirement	180 l/min
Weight	0.6 kg

Scope of delivery	
Order no.	6.01571
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Metal suction cap 1 l	■

- Product advantages**
- Spray gun for cavity sealing and underfloor protection, compatible with usual screw cartridges (1l)



NEW

Technical Data	Compressed Air Cartridge Gun DKP 310
Working pressure	6 bar
Air requirement	65 l/min
Weight	0.46 kg

Scope of delivery	
Order no.	6.01573
EURO and ARO/Orion Plug-in Nipple 1/4"	■

- Product advantages**
- Automatic: continuous material flow as long as trigger guard is actuated; perfect feed rate
  - No material dripping for clean and effective operation
  - Uses ordinary cartridges (310 ml)



NEW

Technical Data	Compressed Air Grease Gun DFP 400
Working pressure	2 - 10 bar
Air requirement per stroke	0.4 l
Weight	1.55 kg

Scope of delivery	
Order no.	6.01572
EURO and ARO/Orion Plug-in Nipple 1/4"	■
Rigid grease tube (17 cm)	■
Flexible grease hose 46 cm (18")	■

- Product advantages**
- Automatic: continuous material flow as long as trigger guard is actuated; perfect feed rate
  - No material dripping for clean and effective operation
  - With a rigid and flexible connection including grease nipple for best reachability and simple handling
  - For filling from external grease containers or for use with ordinary cartridges (400g)

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	<b>NEW</b>	<b>NEW</b>
		
<b>Technical Data</b>	<b>Tyre Inflation Measuring Device RF 60</b>	<b>Tyre Inflation Measuring Device RF 60 G</b>
Working pressure	0 - 12 bar	0 - 10 bar
Hose length	35 cm	35 cm
Weight	0.45 kg	0.45 kg
<b>Scope of delivery</b>		
Order no.	6.02233	6.02234
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
Tyre inflation plug in nipple and ball hollow needle	■	
<b>Product advantages</b>		<ul style="list-style-type: none"> <li>■ Officially calibrated (including calibration fee) for use in commercial operations</li> </ul>
	<ul style="list-style-type: none"> <li>■ For testing and inflating tyres</li> <li>■ With torque plug</li> <li>■ Manometer with rubber shroud to protect against damage</li> </ul>	

	<b>NEW</b>	<b>NEW</b>
		
<b>Technical Data</b>	<b>Tyre Inflation Measuring Device RF 80 G</b>	<b>Tyre Inflation Measuring Device RF 80 D</b>
Working pressure	0 - 10 bar	0 - 12 bar
Hose length	100 cm	100 cm
Weight	0.55 kg	0.55 kg
<b>Scope of delivery</b>		
Order no.	6.02235	6.02236
EURO and ARO/Orion Plug-in Nipple 1/4"	■	■
<b>Product advantages</b>	<ul style="list-style-type: none"> <li>■ Officially calibrated (including calibration fee) for use in commercial operations</li> </ul>	<ul style="list-style-type: none"> <li>■ Digital, illuminated manometer for the highest accuracy</li> <li>■ Switchable display units: PSI, BAR, Kpa, kg/cm<sup>2</sup></li> </ul>
	<ul style="list-style-type: none"> <li>■ For testing and inflating tyres</li> <li>■ Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work</li> <li>■ Easy operation with precision manometer, overpressure safe</li> <li>■ Handle with non-slip softgrip surface</li> <li>■ With torque plug</li> <li>■ Large manometer Ø 80 mm for good readability</li> <li>■ Manometer with rubber shroud to protect against damage</li> </ul>	

**System components**

503 ▶ Accessories

Accessories for tyre inflation measuring devices		Order no.
	Adapter for bicycle valve	0901026262*
	Adapter for ball hollow needle	0901031550*
	Adapter for bicycle pump, car tyre valve	0901026270*
	Valve set, 3-piece Consisting of bicycle valve adapter, ball adapter and adapter for air mattress	0901055769*
	Lever connector with clip (as spare)	7710672339
	Connecting hose (as spare); male thread: 1/4"	0901026661*
	Connecting hose with lever connector (as spare)	1001672319
	Manometer Ø 80 mm (1-10 bar) With protecting cap; calibrated; for RF 480	7823672327
	Manometer tyre-inflator (as spare); e.g. for RF 100	0901026815*

\* Self-service packaging



NEW



NEW

Technical Data	Blow Gun BP 10	Blow Gun BP 210
Working pressure	2 - 6 bar	2 - 6 bar
Air requirement	100 - 200 l/min	100 - 200 l/min
Weight	0.1 kg	0.14 kg

Scope of delivery	6.01579.00	6.01579.18	6.01580.00	6.01580.18
Order no.				
EURO Plug-in Nipple 1/4"	■		■	
ARO/Orion Plug-in Nipple 1/4"		■		■
Extension 210 mm			■	■

**Product advantages** ■ Light, robust housing made from cast aluminium



NEW



NEW

Technical Data	Blow Gun BP 200	Blow Gun BP 500
Working pressure	3 - 8 bar	3 - 8 bar
Air requirement	130 - 350 l/min	130 - 350 l/min
Weight	0.14 kg	0.16 kg

Scope of delivery	6.01581.00	6.01581.18	6.01582.00	6.01582.18
Order no.				
EURO Plug-in Nipple 1/4"	■		■	
ARO/Orion Plug-in Nipple 1/4"		■		■
Rubber-coated nozzle tip	■	■		
Extension 500 mm			■	■

**Product advantages** ■ Ergonomic, cold-insulating and light housing made from impact-proof plastic  
 ■ Air volume can be dosed for application-specific operation  
 ■ Practical and lightweight for easy operation even in places difficult to reach



NEW



NEW

Technical Data	Blow Gun Aluminium BPA 15	Blow Gun Aluminium BPA 15 S
Working pressure	2 - 6 bar	4 - 6 bar
Air requirement	295 l/min	335 l/min
Weight	0.26 kg	0.28 kg

Scope of delivery	6.01583.00	6.01583.18	6.01584.00	6.01584.18
Order no.				
EURO Plug-in Nipple 1/4"	■		■	
ARO/Orion Plug-in Nipple 1/4"		■		■
Safety and noise damping nozzle			■	■
Short nozzle	■	■		

**Product advantages** ■ Safety nozzle for safe operation  
 ■ Light, robust housing made from cast aluminium  
 ■ Air volume can be dosed for application-specific operation



NEW



NEW

Technical Data	Compressed Air Tool Set LPZ 4 Set	Compressed Air Tool Set LPZ 7 Set
Working pressure	3 - 8 bar	3 - 8 bar
Air requirement	130 - 350 l/min	130 - 350 l/min
Weight	0.14 kg	0.16 kg

Scope of delivery	6.01585.00	6.01585.18	6.01586.00	6.01586.18
Order no.				
EURO Plug-in Nipple 1/4"	■		■	
ARO/Orion Plug-in Nipple 1/4"		■		■

**Product advantages** ■ Set consists of blow gun, tyre inflating measuring device, paint spray gun with gravity flow cup and PA spiral hose  
 ■ Set consists of blow gun, tyre inflating measuring device incl. adapter and ball needle, paint spray gun with gravity flow cup and PA spiral hose

Accessories for large diameter saws

	Order no.
 Saw blades 14 teeth (10 pieces)	0901063087*
 Saw blades 24 teeth (10 pieces)	0901063095*
 Saw blades 32 teeth (10 pieces)	0901063109*

Accessories for disc sanders

	Order no.
 Spare grinding plate for ES 7700 / DSX 150	1319706247

Accessories for sandblasting guns

	Order no.
 Sand blasting abrasive <ul style="list-style-type: none"> <li>■ Grit 0.2 - 0.5 mm</li> <li>■ Canister content 8 kg</li> <li>■ Aluminium silicate glass melt</li> </ul>	0901064423
Spare pipe for sandblasting gun	0901026408

General Accessories for Compressed Air Tools

	Order no.
 Special oil 0.5 litres for compressed air tools	0901008540
 Rotating air coupling For retrofitting on compressed air tools. Optimised hose and tool control. No twisting of the compressed air line. Connecting thread: 1/4"	0901060991*

Accessories for compressors

Oils

	Order no.
	
Compressor oil, 1 litre, for piston condenser	0901004170
Compressor oil, 5 litres, for screw compressor	0901017239

Compressed Air Preparation

Maintenance units

	<ul style="list-style-type: none"> <li>■ Consisting of filter controller FR and lubricator L</li> <li>■ Wall attachment; control panel installation and pipe installation possible</li> </ul>
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	Connecting thread	Maximum inlet pressure bar	Order no.
Maintenance unit FRL-180	1/4"	12	0901063869
Maintenance unit FRL-200	1/2"	14	0901063850
Maintenance unit FRL-300	1"	16	0901063842
			With connection adapter for 3/8" and 1/4"
			With connection adapter for 3/4" and 1/2"

Filter controller

	<ul style="list-style-type: none"> <li>■ Wall attachment; control panel installation and pipe installation possible</li> </ul>
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	Connecting thread	Maximum inlet pressure bar	Order no.
Filter controller FR-180	1/4"	12	0901063877
Filter controller	1/2"	14	0901063885
Filter controller FR-300	1"	16	0901063893
			With connection adapter for 3/8" and 1/4"
			With connection adapter for 3/4" and 1/2"

Controller

	<ul style="list-style-type: none"> <li>■ Wall attachment; control panel installation and pipe installation possible</li> </ul>
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	Connecting thread	Maximum inlet pressure bar	Order no.
Controller R-180	1/4"	12	0901063834
Controller R-200	1/2"	14	0901063826
			With connection adapter for 3/8" and 1/4"

\* Self-service packaging

Filter



- Wall attachment; control panel installation and pipe installation possible

	Connecting thread	Maximum inlet pressure bar	Order no.
Filter F-180	1/4"	12	0901063818
Filter F-200	1/2"	14	0901063800

Lubricator



- Wall attachment; control panel installation and pipe installation possible

	Connecting thread	Maximum inlet pressure bar	Order no.
Lubricator L-180	1/4"	12	0901063796
Lubricator L-200	1/2"	14	0901063788

Line lubricator



Connecting thread	Order no.
1/4"	0901054584
3/8"	0901054592

Oils



Special oil 0.5 litres for compressed air tools

Order no.
0901008540

Pipe system

Compressed air lines



Outer Ø mm	Inner Ø mm	Length m	Material	Version	Order no.
15	12	25	Plastic	Flexible (rolls)	7851194171
22	18	25	Plastic	Flexible (rolls)	7851194180

Distributors

	Order no.
Wall disc Plastic	7876194001
Diffuser can Brass thread Without locking screw	0901059691
Locking screw 1/2" Galvanised	6109079322

Connections

Diameter mm	Connecting thread	Material	Order no.
22	3/4"	Plastic	7876193943
15	1/2"	Plastic	7876193951

Plug connectors

Diameter mm	With water separator	Material	Order no.
<b>T-plug connector</b>			
15		Plastic	7876194010
22		Plastic	7876194028
22	■	Plastic	7876615287
<b>Angle plug connector</b>			
15		Plastic	7876194060
22		Plastic	7876194079
<b>Straight plug connectors</b>			
15		Plastic	7876194125
22		Plastic	7876194133

Pipe socket



Diameter mm	Connecting thread	Material	Order no.
15	1/2"	Plastic	7876193978
22	1/2"	Plastic	7876193986
22	3/4"	Plastic	7876193994

Air cocks



Diameter mm	Connecting thread	Order no.
15	1/2"	0901059489
18	1/2"	0901059497
22	3/4"	0901059500

Locking rings



Diameter mm	Material	Order no.
22	Plastic	7876194117

Tubular joints



Diameter mm	Material	Order no.
15	Plastic	7876693610
22	Plastic	7876693628

Pipe cutter



Pipe cutter  
Maximum diameter: 28 mm

Order no.
9109691680

Compressed-air hoses

Compressed-air hoses with fabric insert



- For all normal applications

Length m	Diameter mm	Maximum pressure bar	Version	Order no.
5	6	20	With quick-action coupling and nipple	0901054908
10	6	20	With quick-action coupling and nipple	0901054916
10	9	20	With quick-action coupling and nipple	0901054924
50	9	20	With quick-action coupling and nipple	0901054932
50	6	20		0901056153
50	12.5	12		0901056161

SUPER-AIR compressed-air hoses



- Very flexible hose, even at low temperatures
- Resistant against compressed air containing oil

Length m	Diameter mm	Maximum pressure bar	Version	Order no.
10	6.3	20	With quick-action coupling and nipple	0901056048
10	10	20	With quick-action coupling and nipple	0901056056
50	10	20		0901057303



- Highly elastic special hose for professional applications
- No permanent reduction of area due to kinks
- Non-abrasive

Length m	Diameter mm	Maximum pressure bar	Version	Order no.
6	8	8	With quick-action coupling and nipple	0901062145

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Hose drums		Order no.
	<b>Hose recoiler SA 100</b> ■ With 20 m pressure hose with fabric insert, quick connection coupling 1/4" and plug-in nipple 1/4" Length: 20 m Internal Ø: 9 mm External Ø: 15 mm Maximum pressure: 15 bar Weight: 4 kg	0901054975
	<b>Hose drum ST 200</b> ■ With 30 m highly flexible PU hose, quick connection coupling 1/4" and plug-in nipple 1/4" ■ With swivel joint, 360° rotatable Length: 30 m Internal Ø: 8.5 mm External Ø: 12.5 mm Maximum pressure: 12 bar Weight: 8 kg	0901054568
	<b>Hose recoiler SA 250</b> ■ With 8 m highly flexible PU hose, quick connection coupling 1/4" and plug-in nipple 1/4" ■ Lock and recoil simply by pulling ■ With wall and ceiling mounting brackets ■ Plastic housing Dimensions: overall length with bracket: 320mm; height: 270 mm; width: 155 mm Length: 8 m Internal Ø: 8 mm External Ø: 12 mm Maximum pressure: 15 bar Weight: 2.9 kg	6.28820
	<b>Hose recoiler SA 300</b> ■ With 15 m highly flexible PU hose, quick connection coupling 1/4" and plug-in nipple 1/4" ■ Lock and recoil simply by pulling ■ Metal housing ■ With wall and ceiling mounting brackets Length: 15 m Internal Ø: 8 mm External Ø: 12 mm Maximum pressure: 12 bar Weight: 8.57 kg	0901063427

### Brass parts

#### Compressed air distributor



#### Self-service packaging

	Order no.
•	0901026645*
•	0901026653*

#### Quick connection couplings



Version	Connecting thread	Packaging	Sales unit	Order no.
Male thread	1/4"	Termination board	1	0901031517*
Male thread	3/8"	Termination board	1	0901025894*
Male thread	1/2"	Termination board	1	0901025908*
Female thread	1/4"	Termination board	1	0901025916*
Female thread	3/8"	Termination board	1	0901025924*
Female thread	1/2"	Termination board	1	0901025932*
With 6-mm spout		Termination board	1	0901025940*
With 9-mm spout		Termination board	1	0901026351*
With 13-mm spout		Termination board	1	0901026360*
Male thread	1/4"	In shop box	20	0901054126
Male thread	3/8"	In shop box	20	0901054134
Male thread	1/2"	In shop box	20	0901054142
Female thread	1/4"	In shop box	20	0901054150
Female thread	3/8"	In shop box	20	0901054169
Female thread	1/2"	In shop box	20	0901054177
With 6-mm spout		In shop box	20	0901054185
With 9-mm spout		In shop box	20	0901054193
With 6-mm spout		Loose	1	7800009035
With 9-mm spout		Loose	1	7800009043
With 13-mm spout		Loose	1	7800009558
Female thread	1/4"	Loose	1	7801009055
Female thread	3/8"	Loose	1	7801009063
Female thread	1/2"	Loose	1	7801009071
Male thread	1/4"	Loose	1	7802009083
Male thread	3/8"	Loose	1	7802009091
Male thread	1/2"	Loose	1	7802009105

#### Plug-in nozzles



Diameter mm	Packaging	Sales unit	Order no.
6	Termination board	1	0901025959*
9	Termination board	1	0901025967*
13	Termination board	1	0901025975*
6	In shop box	20	0901054215
9	In shop box	20	0901054223
6	Loose	1	7804065606
9	Loose	1	7804009161
13	Loose	1	7804010372

Thread plug-in nipple



Thread type	Connecting thread	Packaging	Sales unit	Order no.
Male thread	1/4"	Termination board	1	0901025983*
Male thread	3/8"	Termination board	1	0901025991*
Female thread	1/4"	Termination board	1	0901026017*
Female thread	3/8"	Termination board	1	0901026025*
Male thread	1/4"	In shop box	20	0901054240
Male thread	3/8"	In shop box	20	0901054258
Female thread	1/4"	In shop box	20	0901054266
Female thread	3/8"	In shop box	20	0901054274
Male thread	1/4"	Loose	1	7803009117
Female thread	1/4"	Loose	1	7803009125
Male thread	3/8"	Loose	1	7803009133
Female thread	3/8"	Loose	1	7803009141
Female thread	1/8"	Loose	1	7803010395

Double nipple



Connecting thread	Packaging	Sales unit	Order no.
1/4"	Termination board	1	0901026130*
3/8"	Termination board	1	0901026149*
1/2"	Termination board	1	0901026157*
1/4"	In shop box	20	0901054363
1/4"	Loose	1	7806009185
3/8"	Loose	1	7806034996
1/2"	Loose	1	7806009207

Reducing double nipple



From connecting thread	To connecting thread	Packaging	Sales unit	Order no.
1/4"	3/8"	Termination board	1	0901026173*
1/4"	1/2"	Termination board	1	0901026190*
3/8"	1/2"	Termination board	1	0901026203*
3/8"	1/2"	In shop box	20	0901054401
1/8"	1/4"	Loose	1	7808009247
1/4"	3/8"	Loose	1	7808009255
3/8"	1/2"	Loose	1	7808009263
1/4"	1/2"	Loose	1	7808010490

Reducers



From connecting thread	To connecting thread	Packaging	Sales unit	Order no.
1/4"	3/8"	Termination board	1	0901026220*
1/4"	1/2"	Termination board	1	0901026238*
3/8"	1/2"	Termination board	1	0901026246*
1/2"	3/4"	Termination board	1	0901026254*
1/4"	3/8"	In shop box	20	0901054410
3/8"	1/2"	In shop box	20	0901054428
1/8"	1/4"	Loose	1	7809009275
1/4"	3/8"	Loose	1	7809009283
1/4"	1/2"	Loose	1	7809035764
3/8"	1/2"	Loose	1	7809009291
1/2"	3/4"	Loose	1	7809011750

Hose nozzles



Thread type	Connecting thread	Diameter mm	Packaging	Sales unit	Order no.
Male thread	1/4"	6	Termination board	1	0901026041*
Male thread	1/4"	9	Termination board	1	0901026068*
Male thread	3/8"	6	Termination board	1	0901026050*
Male thread	3/8"	9	Termination board	1	0901026076*
Male thread	3/8"	13	Termination board	1	0901026114*
Female thread	1/4"	6	Termination board	1	0901026084*
Female thread	1/4"	9	Termination board	1	0901026092*
Female thread	3/8"	6	Termination board	1	0901026289*
Female thread	3/8"	9	Termination board	1	0901026106*
Male thread	1/8"	6	Loose	1	7805009106
Male thread	1/4"	6	Loose	1	7805009343
Male thread	3/8"	6	Loose	1	7805009351
Male thread	1/4"	9	Loose	1	7805009440
Female thread	3/8"	6	Loose	1	7805009459
Female thread	1/4"	6	Loose	1	7805009416
Female thread	1/4"	9	Loose	1	7805009432
Female thread	3/8"	9	Loose	1	7805009475
Male thread	3/8"	9	Loose	1	7805009483
Male thread	1/4"	13	Loose	1	7805033767
Male thread	1/2"	13	Loose	1	7805009300
Male thread	3/8"	13	Loose	1	7805009319
Male thread	1/4"	6	In shop box	20	0901054282
Male thread	3/8"	6	In shop box	20	0901054304
Male thread	1/4"	9	In shop box	20	0901054290
Male thread	3/8"	9	In shop box	20	0901054312

Hose connecting pipes



Diameter mm	Packaging	Sales unit	Order no.
6	Termination board	1	0901026378*
9	Termination board	1	0901026386*
6	Loose	1	7807009367
9	Loose	1	7807009375

\* Self-service packaging

Clamps					
	From Ø mm	To Ø mm	Packaging	Sales unit	Order no.
	Screw clamps				
	9.5	11.5	Termination board	5	0901026777*
	12	20	Termination board	5	0901026807*
	Screw clamps				
	11	13	Termination board	5	0901054983*
	13	15	Termination board	5	0901054991*
Fabric sealing tape					
	Fabric sealing tape				Order no.
	<ul style="list-style-type: none"> <li>■ Seals without hemp or sealing paste</li> <li>■ For metal and plastic threaded joints</li> </ul> Length on roll: 12 m				0901026319*



# Water and Pump Technology

\* Self-service packaging





Technical Data	Clear Water Immersion Pump TP 6600	Clear Water Immersion Pump TP 8000 S	Clear Water Immersion Pump TP 13000 S
Rated input power	250 W	350 W	550 W
Mains voltage	230 V	230 V	230 V
Max. delivery rate	6,600 l/h	8,000 l/h	13,000 l/h
Max. delivery height	6 m	7 m	9.5 m
Max. submerged depth	5 m	5 m	5 m
Maximum pressure	0.6 bar	0.7 bar	0.95 bar
Discharge port	1 1/4" Female thread	1 1/4" Female thread	1 1/4" Female thread
Pump housing	Plastic	Plastic	Plastic
Number of roller wheels	1	1	1
Weight	4.3 kg	4.3 kg	5 kg
Cable length	10 m	10 m	10 m

**Scope of delivery**

Order no.	0250660000	0250800000	0251300000
Angle connection piece with multi-adapter	■	■	■
Float switch		■	■

**Product Advantages**

- Adjustable float switch for automatic mode
- Adjustable float switch for automatic mode
- For pumping out, pumping dry and recycling fresh water from containers, tanks, tanks or flooded cellars
- For garden irrigation from water reservoirs
- Overload protection: protects the motor from overheating
- Robust housing made of impact-proof plastic
- Ergonomic handle for comfortable transport

**System Components**

542, 546 → Accessories



Technical Data	Low Intake Clear Water Immersion Pump TP 6600 SN	Low Intake Clear Water Immersion Pump TPF 7000 S
Rated input power	450 W	450 W
Mains voltage	230 V	230 V
Max. delivery rate	6,600 l/h	7,000 l/h
Max. delivery height	6 m	6 m
Max. submerged depth	5 m	5 m
Maximum pressure	0.6 bar	0.6 bar
Discharge port	1 1/4" Female thread	1 1/4" Female thread
Pump housing	Stainless steel	Plastic
Number of roller wheels	1	1
Weight	4.6 kg	4.6 kg
Cable length	10 m	10 m

**Scope of delivery**

Order no.	0250660006	0250800002
Angle connection piece with multi-adapter	■	■
Float switch	■	■

**Product Advantages**

- Durable housing made of non-corrosive stainless steel
- Robust housing made of impact-proof plastic
- For pumping out, pumping dry and recycling fresh water from containers, tanks, tanks or flooded cellars
- For garden irrigation from water reservoirs
- Overload protection: protects the motor from overheating
- Low intake level up to a residual water level of 2-3 mm
- Adjustable float switch for automatic mode
- Ergonomic handle for comfortable transport

**System Components**

542, 546 → Accessories

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**Technical Data**

**Low Intake Clear Water Immersion Pump TP 7500 SI**

**Low Intake Clear Water Immersion Pump TP 12000 SI**

Rated input power	300 W	600 W
Mains voltage	230 V	230 V
Max. delivery rate	7,500 l/h	11,700 l/h
Max. delivery height	6.5 m	9 m
Max. submerged depth	7 m	7 m
Maximum pressure	0.65 bar	0.9 bar
Discharge port	1 1/4" Male thread	1 1/4" Male thread
Pump housing	Plastic	Plastic
Number of roller wheels	1	1
Weight	4.2 kg	5.1 kg
Cable length	10 m	10 m

**Scope of delivery**

Order no.	0250750013	0251200009
Multi-adapter	■	■

**Product Advantages**

- For pumping out, pumping dry and recycling fresh water from containers, tanks, tanks or flooded cellars
- For garden irrigation from water reservoirs
- Overload protection: protects the motor from overheating
- Low intake level up to a residual water level of 2-3 mm
- Integrated float switch for automatic mode
- Integrated check valve and automatic bleed
- Problem-free use in narrower shafts up to 25 x 25 cm
- Universal port

**System Components**

542, 546 → Accessories



**Technical Data**

**Immersion Pressure Pump TDP 7501 S**

Rated input power	1,000 W
Mains voltage	230 V
Max. delivery rate	7,500 l/h
Max. delivery height	34 m
Max. submerged depth	7 m
Maximum pressure	3.4 bar
Discharge port	1" Female thread
Pump housing	Plastic
Number of roller wheels	3
Weight	9.1 kg
Cable length	10 m

**Scope of delivery**

Order no.	0250750100
Multi-adapter	■
Float switch	■

**Product Advantages**

- For garden irrigation from water reservoirs
- For directly operating irrigation systems as well as for watering and sprinkling gardens and lawns using bore water, wells or cisterns
- For garden irrigation with 1 to 3 sprinklers
- 3-level pump gear provides optimum pressure build-up
- Overload protection: protects the motor from overheating
- Adjustable float switch for automatic mode
- Integrated flap trap reliably prevents the water pipe from running empty
- Robust housing made of impact-proof plastic
- Ergonomic handle for comfortable transport

**System Components**

542, 546 → Accessories

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Technical Data	Combi-immersion Pump TPS 14000 S Combi	Combi-immersion Pump TPS 16000 S Combi
Rated input power	770 W	970 W
Mains voltage	230 V	230 V
Max. delivery rate	14,000 l/h	16,000 l/h
Max. delivery height	8.5 m	9.5 m
Max. submerged depth	7 m	7 m
Maximum pressure	0.85 bar	0.95 bar
Discharge port	1 1/2" Female thread	1 1/2" Female thread
Pump housing	Plastic	Plastic
Max. particle size up to	20 mm	30 mm
Number of roller wheels	1	1
Weight	7.7 kg	7.8 kg
Cable length	10 m	10 m

**Scope of delivery**

Order no.	0251400000	0251600000
Angle connection piece with multi-adapter	■	■
Float switch	■	■

**Product Advantages**

- As waste water pump suitable for coarse grime of a particle size of up to 20 mm
- As waste water pump suitable for coarse grime of a particle size of up to 30 mm
- Multi-functional use as immersion pump for fresh water or waste water
- For pumping out, pumping dry and recycling fresh water and waste water from containers, tanks or flooded cellars
- For garden irrigation from water reservoirs
- Low intake up to 1 mm in fresh water mode
- Simple and comfortable adjustment of the pump base for the required function
- Overload protection: protects the motor from overheating
- Adjustable float switch for automatic mode
- Easy switching over from automatic mode with float switch to manual mode for low-intake suction
- Housing made of impact-proof plastic
- Ergonomic handle for comfortable transport

**System Components**

542, 546 → Accessories



Technical Data	Sewage Water Immersion Pump PS 7500 S	Sewage Water Immersion Pump PS 15000 S	Sewage Water Immersion Pump PS 18000 SN
Rated input power	450 W	850 W	1,100 W
Mains voltage	230 V	230 V	230 V
Max. delivery rate	7,500 l/h	15,000 l/h	18,000 l/h
Max. delivery height	5 m	9.5 m	11 m
Max. submerged depth	5 m	5 m	7 m
Maximum pressure	0.5 bar	0.95 bar	1.1 bar
Discharge port	1 1/4" Female thread	1 1/4" Female thread	1 1/2" Female thread
Pump housing	Plastic	Plastic	Stainless steel
Max. particle size up to	30 mm	30 mm	35 mm
Number of roller wheels	1	1	1
Weight	4.8 kg	6.5 kg	7.8 kg
Cable length	10 m	10 m	10 m

**Scope of delivery**

Order no.	0250750000	0251500000	0251800000
Angle connection piece with multi-adapter	■	■	■
Float switch	■	■	■

**Product Advantages**

- Robust housing made of impact-proof plastic
- Robust housing made of impact-proof plastic
- Durable housing made of non-corrosive stainless steel
- For pumping out, pumping dry and recycling fresh water or waste water from containers, tanks or flooded cellars
- For garden irrigation from water reservoirs
- Overload protection: protects the motor from overheating
- Adjustable float switch for automatic mode
- Ergonomic handle for comfortable transport

**System Components**

542, 546 → Accessories

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Technical Data	Drainage Pump DP 18-5 SA	Drainage Pump DP 28-10 S Inox
Rated input power	800 W	1,850 W
Mains voltage	220-240 V	220-240 V
Max. delivery rate	18,000 l/h	28,000 l/h
Max. delivery height	12 m	17 m
Max. submerged depth	7 m	7 m
Maximum pressure	1.2 bar	1.7 bar
Discharge port	1 1/2" Female thread	1 1/2" Female thread
Pump housing	Aluminum	Stainless steel
Max. particle size up to	5 mm	10 mm
Number of roller wheels	1	1
Weight	10 kg	18.5 kg
Cable length	10 m	10 m

**Scope of delivery**

Order no.	6.04111	6.04112
Float switch	■	■

**Product Advantages**

- Mechanical seal for protection of the pump if the water is very dirty
- Ideal motor cooling by means of the conveyed medium even when the water level is low
- Double mechanical seal with oil chamber for ideal protection of the pump if the water is very dirty
- Durable pump housing made of non-corrosive, high-quality stainless steel
- For effective pumping of large quantities of waste water, rain water, ground water and water on construction sites
- Self-cleaning Vortex-impeller wheel to minimise blockages
- Designed for continuous operation with S1 motor operating mode
- Overload protection: protects the motor from overheating
- Float switch for automatic mode
- Suitable for mobile and stationary use thanks to ergonomic handles and stability

**System Components**

543, 546 → Accessories



Technical Data	Waste Water Pump SP 24-46 SG	Waste Water Pump SP 28-50 S Inox
Rated input power	900 W	1,470 W
Mains voltage	220-240 V	220-240 V
Max. delivery rate	24,000 l/h	28,000 l/h
Max. delivery height	9 m	12 m
Max. submerged depth	7 m	7 m
Maximum pressure	0.9 bar	1.2 bar
Discharge port	2" Female thread	2" Female thread
Pump housing	Grey cast iron	Stainless steel
Max. particle size up to	46 mm	50 mm
Number of roller wheels	1	1
Weight	17.9 kg	19.3 kg
Cable length	10 m	10 m

**Scope of delivery**

Order no.	6.04113	6.04114
Float switch	■	■

**Product Advantages**

- Mechanical seal for protection of the pump if the water is very dirty
- For very coarse waste water with solid bodies of up to Ø 50 mm
- Double mechanical seal with oil chamber for ideal protection of the pump if the water is very dirty
- Durable pump housing made of non-corrosive, high-quality stainless steel
- For pumping out and pumping dry of construction pits, cellars and shafts. Also for pumping sewage and drainage water in industrial and domestic environments.
- Self-cleaning Vortex-impeller wheel to minimise blockages
- Designed for continuous operation with S1 motor operating mode
- Overload protection: protects the motor from overheating
- Float switch for automatic mode
- Suitable for mobile and stationary use thanks to ergonomic handles and stability

**System Components**

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Technical Data	Garden Pump P 2000 G	Garden Pump P 3300 G	Garden Pump P 4000 G
Rated input power	450 W	900 W	1,100 W
Mains voltage	220-240 V	220-240 V	220-240 V
Max. delivery rate	2,000 l/h	3,300 l/h	4,000 l/h
Max. suction height	8 m	8 m	8 m
Max. delivery height	30 m	45 m	46 m
Maximum pressure	3 bar	4.5 bar	4.6 bar
Suction connector	1" Female thread	1" Female thread	1" Female thread
Discharge port	1" Female thread	1" Female thread	1" Female thread
Pump housing	Grey cast iron	Grey cast iron	Grey cast iron
Drive shaft	Stainless steel	Stainless steel	Stainless steel
Number of roller wheels	1	1	1
Weight	7.6 kg	11.1 kg	12.2 kg
Cable length	1.5 m	1.5 m	1.5 m

Scope of delivery	6.00962	6.00963	6.00964
Order no.	6.00962	6.00963	6.00964
Fabric sealing tape	■	■	■

- Product Advantages**
- For garden irrigation with 1 or 2 sprinklers
  - For garden irrigation with 1 or 2 sprinklers
  - For garden irrigation with 1 to 3 sprinklers
  - For watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - Separate water filling opening for simple operation of the pump
  - Water drain plug (operation without tools) for protection in case of frost
  - Rubberised feet for low-noise and low-vibration operation
  - Ergonomic handle for comfortable transport

**System Components**

538 → Accessories

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Technical Data	Garden Pump P 4500 Inox	Garden Pump P 6000 Inox
Rated input power	1,300 W	1,300 W
Mains voltage	220-240 V	220-240 V
Max. delivery rate	4,500 l/h	6,000 l/h
Max. suction height	8 m	8 m
Max. delivery height	48 m	55 m
Maximum pressure	4.8 bar	5.5 bar
Suction connector	1" Female thread	1" Female thread
Discharge port	1" Female thread	1" Female thread
Pump housing	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel
Number of roller wheels	1	5
Weight	10.6 kg	12.7 kg
Cable length	1.5 m	1.5 m

Scope of delivery	6.00965	6.00966
Order no.	6.00965	6.00966
Fabric sealing tape	■	■

- Product Advantages**
- For garden irrigation with 1 to 3 sprinklers
  - Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
  - Multi-level pump running gear for high performance and low-noise operation
  - For garden irrigation with 1 to 4 sprinklers
  - For watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - Durable stainless steel pump housing
  - Separate water filling opening for simple operation of the pump
  - Water drain plug (operation without tools) for protection in case of frost
  - Rubberised feet for low-noise and low-vibration operation
  - Ergonomic handle for comfortable transport

**System Components**

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Technical Data	Garden Pump P 9000 G
Rated input power	1,900 W
Mains voltage	220-240 V
Max. delivery rate	9,000 l/h
Max. suction height	9 m
Max. delivery height	51 m
Maximum pressure	5.1 bar
Suction connector	1 1/4" Female thread
Discharge port	1" Female thread
Pump housing	Grey cast iron
Drive shaft	Stainless steel
Number of roller wheels	1
Weight	25.1 kg
Cable length	1.5 m

Scope of delivery	
Order no.	6.00967
Fabric sealing tape	■

- Product Advantages**
- For watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - For garden irrigation with 1 to 6 sprinklers

**System Components**

538 → Accessories

NEW



Technical Data	Domestic Water Works HWW 3300/25 G	Domestic Water Works HWW 3500/25 Inox
Rated input power	900 W	900 W
Mains voltage	220-240 V	220-240 V
Max. delivery rate	3,300 l/h	3,500 l/h
Max. suction height	8 m	8 m
Max. delivery height	45 m	45 m
Maximum pressure	4.5 bar	4.5 bar
Suction connector	1" Female thread	1" Female thread
Discharge port	1" Female thread	1" Female thread
Tank capacity approx.	24 l	24 l
Pump housing	Grey cast iron	Stainless steel
Drive shaft	Stainless steel	Stainless steel
Tank	Steel	Steel
Number of roller wheels	1	1
Weight	16.2 kg	14.6 kg
Cable length	1.5 m	1.5 m

Scope of delivery		
Order no.	6.00968	6.00969
Check valve	■	■
Fabric sealing tape	■	■

- Product Advantages**
- Durable stainless steel pump housing
  - For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Push button for automatic activation of the domestic water work in case of increased water demand
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - Separate water filling opening for simple operation of the pump
  - Water drain plug (operation without tools) for protection in case of frost
  - For garden irrigation with 1 or 2 sprinklers
  - For single phase alternating current

**System Components**

538 → Accessories

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Technical Data	Domestic Water Works HWW 4000/25 G	Domestic Water Works HWW 4500/25 Inox	Domestic Water Works HWW 4500/25 Inox Plus
Rated input power	1,100 W	1,300 W	1,300 W
Mains voltage	220-240 V	220-240 V	220-240 V
Max. delivery rate	4,000 l/h	4,500 l/h	4,500 l/h
Max. suction height	8 m	8 m	8 m
Max. delivery height	46 m	48 m	48 m
Maximum pressure	4.6 bar	4.8 bar	4.8 bar
Suction connector	1" Female thread	1" Female thread	1" Female thread
Discharge port	1" Female thread	1" Female thread	1" Female thread
Tank capacity approx.	24 l	24 l	24 l
Pump housing	Grey cast iron	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel	Stainless steel
Tank	Steel	Steel	Stainless steel
Number of roller wheels	1	1	1
Weight	17.2 kg	17.1 kg	16.2 kg
Cable length	1.5 m	1.5 m	1.5 m

Scope of delivery	6.00971	6.00972	6.00973
Order no.	6.00971	6.00972	6.00973
Check valve	■	■	■
Fabric sealing tape	■	■	■

- Product Advantages**
- Durable stainless steel pump housing
  - Durable stainless steel pump housing and stainless steel tank
  - For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Push button for automatic activation of the domestic water work in case of increased water demand
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - Separate water filling opening for simple operation of the pump
  - Water drain plug (operation without tools) for protection in case of frost
  - For garden irrigation with 1 to 3 sprinklers
  - For single phase alternating current

**System Components**

538 → Accessories



Technical Data	Domestic Water Works HWWI 3500/25 Inox	Domestic Water Works HWWI 4500/25 Inox
Rated input power	1,100 W	1,300 W
Mains voltage	220-240 V	220-240 V
Max. delivery rate	3,500 l/h	4,500 l/h
Max. suction height	8 m	8 m
Max. delivery height	45 m	48 m
Maximum pressure	4.5 bar	4.8 bar
Suction connector	1" Female thread	1" Female thread
Discharge port	1" Female thread	1" Female thread
Tank capacity approx.	24 l	24 l
Pump housing	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel
Tank	Steel	Steel
Number of roller wheels	1	1
Weight	17.5 kg	17.8 kg
Cable length	1.5 m	1.5 m

Scope of delivery	6.00970	6.00974
Order no.	6.00970	6.00974
Fabric sealing tape	■	■
Filter key	■	■

- Product Advantages**
- For garden irrigation with 1 or 2 sprinklers
  - For garden irrigation with 1 to 3 sprinklers
  - Complete system in compact design with integrated filter and check valve integrated as standard for easy installation
  - For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Push button for automatic activation of the domestic water work in case of increased water demand
  - Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
  - Integrated, washable filter protects the pump from contamination
  - Integrated check valve prevents running dry of the pump when it is switched off, for short restart time during a new start
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - Durable stainless steel pump housing
  - Separate water filling opening for simple operation of the pump
  - Water drain plug (operation without tools) for protection in case of frost
  - For single phase alternating current

**System Components**

538 → Accessories

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**Technical Data**

**Domestic Water Works HWW 6000/25 Inox**

Rated input power	1,300 W
Mains voltage	220-240 V
Max. delivery rate	6,000 l/h
Max. suction height	8 m
Max. delivery height	55 m
Maximum pressure	5.5 bar
Suction connector	1" Female thread
Discharge port	1" Female thread
Tank capacity approx.	24 l
Pump housing	Stainless steel
Drive shaft	Stainless steel
Tank	Steel
Number of roller wheels	5
Weight	18.9 kg
Cable length	1.5 m

**Domestic Water Works HWW 6000/50 Inox**

Rated input power	1,300 W
Mains voltage	220-240 V
Max. delivery rate	6,000 l/h
Max. suction height	8 m
Max. delivery height	55 m
Maximum pressure	5.5 bar
Suction connector	1" Female thread
Discharge port	1" Female thread
Tank capacity approx.	50 l
Pump housing	Stainless steel
Drive shaft	Stainless steel
Tank	Steel
Number of roller wheels	5
Weight	22.1 kg
Cable length	1.5 m

**Scope of delivery**

Order no.	6.00975	6.00976
Check valve	■	■
Fabric sealing tape	■	■

**Product Advantages**

- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Push button for automatic activation of the domestic water work in case of increased water demand
- Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
- Multi-level pump running gear for high performance and low-noise operation
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- Durable stainless steel pump housing
- Separate water filling opening for simple operation of the pump
- Water drain plug (operation without tools) for protection in case of frost
- For garden irrigation with 1 to 4 sprinklers
- For single phase alternating current

**System Components**

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**Technical Data**

**Domestic Water Works HWW 9000/100 G**

Rated input power	1,900 W
Mains voltage	220-240 V
Max. delivery rate	9,000 l/h
Max. suction height	9 m
Max. delivery height	51 m
Maximum pressure	5.1 bar
Suction connector	1 1/4" Female thread
Discharge port	1" Female thread
Tank capacity approx.	100 l
Pump housing	Grey cast iron
Drive shaft	Stainless steel
Tank	Steel
Number of roller wheels	1
Weight	39.9 kg
Cable length	1.5 m

**Scope of delivery**

Order no.	6.00977
Check valve	■
Fabric sealing tape	■

**Product Advantages**

- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Push button for automatic activation of the domestic water work in case of increased water demand
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- For garden irrigation with 1 to 6 sprinklers
- For single phase alternating current

**System Components**

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NEW



NEW



Technical Data	Domestic Water Works Automatic System HWA 3500 Inox	Domestic Water Works Automatic System HWA 4500 Inox	Domestic Water Works Automatic System HWA 6000 Inox
Rated input power	1,100 W	1,300 W	1,300 W
Mains voltage	220-240 V	220-240 V	220-240 V
Max. delivery rate	3,500 l/h	4,500 l/h	6,000 l/h
Max. suction height	8 m	8 m	8 m
Max. delivery height	45 m	48 m	55 m
Maximum pressure	4.5 bar	4.8 bar	5.5 bar
Suction connector	1" Female thread	1" Female thread	1" Female thread
Discharge port	1" Female thread	1" Female thread	1" Female thread
Pump housing	Stainless steel	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel	Stainless steel
Number of roller wheels	1	1	5
Weight	10.6 kg	11.5 kg	13 kg
Cable length	1.5 m	1.5 m	1.5 m

Scope of delivery

Order no.	6.00978	6.00979	6.00980
Check valve	■		■
Fabric sealing tape	■	■	■
Filter key		■	

Product Advantages

- For garden irrigation with 1 or 2 sprinklers
- Complete system in compact design with integrated filter and check valve integrated as standard for easy installation
- Multi-level pump running gear for high performance and low-noise operation
- For garden irrigation with 1 to 4 sprinklers
- Integrated, washable filter protects the pump from contamination
- Integrated check valve prevents running dry of the pump when it is switched off, for short restart time during a new start
- For garden irrigation with 1 to 3 sprinklers
- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Intelligent electronics for appropriate and energy-saving automatic mode
- Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- Durable stainless steel pump housing
- Separate water filling opening for comfortable operation of the pump
- Water drain plug (operation without tools) for protection in case of frost

System Components

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Technical Data	Deep Well Pump TBP 4000 M	Deep Well Pump TBP 5000 M
Rated input power	750 W	1,000 W
Mains voltage	230 V	230 V
Max. delivery rate	3,800 l/h	5,000 l/h
Max. delivery height	55 m	60 m
Max. submerged depth	20 m	20 m
Maximum pressure	5.5 bar	6 bar
Discharge port	1"	1"
Pump housing	Stainless steel/Plastic	Stainless steel
Pump diameter	98 mm	98 mm
Power cable	22 m	22 m
Number of roller wheels	7	8
Weight	12 kg	12.2 kg
Cable length	22 m	22 m

Order no.	0250400055	0250500050
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Product Advantages

- 7-level pump running gear for particularly high pump capacity
- Pump housing made of stainless steel and impact-resistant plastic
- 8-level pump running gear for particularly high pump capacity
- Pump housing made of stainless steel
- Especially suitable for great depths, as in bore wells and shafts
- For watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Overload protection: protects the motor from overheating
- Integrated check valve prevents running dry of the pump when it is switched off, for short restart time during a new start
- Robust pump head with brass thread insert and fixing eyelets for the drain rope
- Suitable for bore wells of 100 mm Ø (4")
- 22 m connection cable for more submerged depth

System Components

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### Garden Sprinklers

- Multi-functional for cleaning and fine spray irrigation
- Sturdy metal version with disc handle and locking device
- Brass connection - compatible with all commercial plug-in systems
- Infinitely adjustable water volume via a separate rotating knob
- Water jet can be adjusted from a hard full jet to fine atomised spray
- Soft plastic ring on sprinkler head for protection against damage
- Hand valve with locking device

	Order no.
 <p><b>Spray Shower SB 2</b></p> <ul style="list-style-type: none"> <li>■ Water jet infinitely adjustable from full hard jet to fine spray</li> </ul>	0903063122*
 <p><b>Garden Shower GB 7</b></p> <ul style="list-style-type: none"> <li>■ 7 water jet shapes from from full spray to fine atomised spray</li> </ul>	0903060778*
 <p><b>Stream Rod GS 10</b></p> <ul style="list-style-type: none"> <li>■ 10 water jet formats ranging from full spray to fine atomised spray</li> <li>■ Long reach, e.g. saves you having to step over beds</li> <li>■ Ideal for watering hanging flower arrangements</li> </ul> <p>Length: 920 mm</p>	0903063130*

### Garden Sprinklers

	Order no.
 <p><b>Surface Sprinkler FR 9</b></p> <ul style="list-style-type: none"> <li>■ Sturdy metal version for mobile and stationary use</li> <li>■ Removable dirt filter to protect the sprinkler from damage by sand and dirt particles</li> <li>■ Brass coupling plug, compatible with all commercial plug-in systems</li> </ul> <p>Multi-functional for watering surfaces or small front gardens 9 sprinkler areas, from circle to rectangle to atomised spray Desired sprinkler area adjustable by turning the sprinkler disc</p> <p>Sprinkler surfaces: Circle Ø = maximum 10 m / 80 m<sup>2</sup> Semi-circle r = maximum 8 m / 100 m<sup>2</sup> Square maximum 8 x 8 m / 64 m<sup>2</sup> Rectangle maximum 16 x 2 m / 32 m<sup>2</sup></p> <p>Connection: Brass cap nut, 3/4" female thread Brass coupling plug 3/4" male thread</p>	0903063149*

### Garden Hoses

	Order no.
 <p><b>Garden hose set 20 metres</b></p> <ul style="list-style-type: none"> <li>■ Brass fittings, compatible with all commercial plug-in systems</li> <li>■ Flexible PVC hose with NTS fabric - NO TORSION SYSTEM (kink protection)</li> <li>■ No more buckling, knots, kinks or twining under pressure</li> <li>■ 5 reinforced layers made of tear-resistant Trevira-Hoechst polyester</li> <li>■ UV-resistant, free of cadmium and barium</li> <li>■ No algae formation, prevents clogging of fittings or sprinkling systems</li> </ul> <p>Operating pressure: 10 bar Burst pressure: 30 bar Temperature resistant: 0° to + 60°</p> <p>Consisting of: Garden hose, 1/2" x 20 m Brass quick-action coupling, 13 mm (1/2") Brass quick-action coupling, 13 mm (1/2") with automatic water stop</p>	0903063190*

### Pump Assembly Sets

	Order no.
<p><b>Pump assembly set MSS suction connector</b></p> <ul style="list-style-type: none"> <li>■ All in one package with illustrated assembly instructions</li> <li>■ Filter to protect the pump and sprinkling systems from damage caused by sand and dirt particles, 28 bar burst pressure</li> <li>■ Return valve: prevents the water flowing back into wells or cisterns</li> <li>■ Ball valve (closed): prevents the water flowing back into wells or into the suction area during maintenance jobs, e.g. filter cleaning or pump disassembly</li> <li>■ Quick-action coupling as connection option for suction hose sets</li> <li>■ Seal strip: seals without hemp or sealing paste</li> </ul>	
 <p><b>Pump Assembly Set MSS 310 – HWA/ P</b></p> <ul style="list-style-type: none"> <li>■ For mounting to the suction connector of all garden pumps and domestic water works automatic systems with 1" female thread</li> <li>■ Garden pumps and domestic water works automatic systems require a short filter due to their lower construction height</li> </ul> <p>Manufactured length approx. 310 mm</p> <p>Consisting of: Filter for garden pumps, short, 1" brass female thread Washable filter insert, 80 my Brass double nipple, 1" male thread x 1" male thread Brass check valve, 1" female thread x 1" female thread Nickel-plated brass ball valve, 1" female thread x 1" female thread Brass quick-action coupling, 1" male thread Thread seal strip, 12 m roll Filter key for loosening the filter dome</p>	0903061260*
 <p><b>Pump assembly set MSS 380 – HWW</b></p> <ul style="list-style-type: none"> <li>■ For mounting to the suction connector of all domestic water works with 1" female thread</li> </ul> <p>Manufactured length approx. 380 mm</p> <p>Consisting of: Filter for domestic water works, long, 1" brass female thread Washable filter insert, 80 my Brass double nipple, 1" male thread x 1" male thread Brass check valve, 1" female thread x 1" female thread Nickel-plated brass ball valve, 1" female thread x 1" female thread Brass quick-action coupling, 1" male thread Zinc-plated pipe nipple, 1" male thread x 1" male thread x 100 mm Thread seal strip, 12 m roll Filter key for loosening the filter dome</p>	0903061278*

\* Self-service packaging

**Pump Assembly Set MSD Discharge Port**

- All in one package with illustrated assembly instructions
- Ball drain cock with nozzle: connection option for a 3/4" garden hose
- Tap connector: alternative connection option of a system quick-action coupling
- Seal strip: seals without hemp or sealing paste

	Order no.
 <p><b>Pump Assembly Set MSD 200 – HWW/P</b></p> <ul style="list-style-type: none"> <li>■ With protective cap for the easy filling of the pump body with water (e.g. watering can)</li> <li>■ For mounting at the discharge connector of all garden pumps and domestic water works with 1" female thread</li> </ul> <p>Manufactured length approx. 200 mm</p> <p>Consisting of:                      Zinc-plated pipe nipple, 1" male thread x 1" male thread x 100 mm                      Zinc-plated T-piece, 1" female thread x 3/4" female thread x 1" female thread                      Brass, nickel-plated ball drain cock, 3/4" female thread x 1" male thread x 3/4" nozzle                      Cock connector, 1" female thread                      Brass quick-action coupling, 1" male thread                      Quick-action coupling, brass protective cap                      Thread seal strip, 12 m roll</p>	0903061251*
 <p><b>Pump assembly set MSD 1000 – HWA</b></p> <ul style="list-style-type: none"> <li>■ Wall mounting prevents leverage force from the water tap to the domestic water works automatic systems</li> <li>■ Pressure hose for flexible connection, 8 bar operating pressure, 24 bar burst pressure</li> <li>■ For mounting to the suction connector of all domestic water works/ automatic systems with 1" male thread</li> </ul> <p>Manufactured length approx. 1,000 mm</p> <p>Consisting of:                      Pressure hose 1 m x 3/4"                      Steel galvanised chuck jaw clamps, 23-25 mm                      Brass angle hose connector 1" female thread x 3/4" nozzle                      Brass hose nozzle with O-ring, 3/4" male thread x 3/4" nozzle                      Brass wall disc 3/4" female thread x 3/4" female thread                      Brass, nickel-plated ball drain cock, 3/4" female thread x 1" male thread x 3/4" nozzle                      Cock connector, 1" female thread                      Thread seal strip, 12 m roll</p>	0903061243*

**Suction Hose Sets**

**Standard suction hose sets with brass fittings**

- For connection to the suction side of all garden pumps and domestic water works/automatic systems with 1" female thread/male thread
- Suitable for drawing from wells, cisterns, ponds or streams
- 1" suction hose, transparent blue, with incorporated rigid PVC coil, buckling-proof and non-abrasive
- Strainer with shackle to attach a floating ball

	Order no.
 <p><b>Standard Suction Hose Set, 4 m</b></p> <p>Consisting of:                      1" suction hose                      Hose clamps, steel galvanised                      Brass connector, 1" female thread                      Brass double nipple, 1" male thread                      Brass hose nozzle/O-ring, 1" male thread                      Brass check valve, 1" female thread with strainer, special steel</p> <p>Internal Ø: 25 mm                      Wall thickness: 3.2 mm                      Bending radius: 100 mm                      Length: 4 m                      Working pressure: 6 bar                      Bursting pressure: 18 bar                      Temperature resistance: 0 - 60 °C                      Water column (vacuum): 7 m</p>	0903061227*

	Order no.
 <p><b>Standard suction hose set, 7 m</b></p> <p>Consisting of:                      1" suction hose                      Hose clamps, steel galvanised                      Brass connector, 1" female thread                      Brass double nipple, 1" male thread                      Brass hose nozzle/O-ring, 1" male thread                      Brass check valve, 1" female thread with strainer, special steel</p> <p>Internal Ø: 25 mm                      Wall thickness: 3.2 mm                      Bending radius: 100 mm                      Length: 7 m                      Working pressure: 6 bar                      Bursting pressure: 18 bar                      Temperature resistance: 0 - 60 °C                      Water column (vacuum): 7 m</p>	0903061235*

**Professional suction hose sets with brass fittings, heavy-duty version**

- For connection to the suction side of all garden pumps and domestic water works/automatic systems with 1" female thread
- Suitable for drawing from wells, cisterns, ponds or streams
- 1" suction hose, transparent, with incorporated rigid PVC coil, buckling-proof and non-abrasive
- Suitable for food and drinks (drinking water and liquids with up to 28% alcohol content)
- Strainer with shackle to attach a floating ball

	Order no.
 <p><b>Professional suction hose set, 4 m</b></p> <p>Consisting of:                      Suction pressure hose 1"                      Chuck jaw clamps, steel double galvanised                      Brass suction high pressure coupling, 1" nozzle                      Brass quick-action coupling, 1" male thread                      Brass hose nozzle/O-ring, 1" male thread                      Brass check valve, 1" female thread with strainer, special steel</p> <p>Internal Ø: 25 mm                      Wall thickness: 3.4 mm                      Bending radius: 112 mm                      Length: 4 m                      Working pressure: 8 bar                      Bursting pressure: 24 bar                      Temperature resistance: 0 - 65 °C                      Water column (vacuum): 9 m</p>	0903061200*
 <p><b>Professional suction hose set, 7 m</b></p> <p>Consisting of:                      Suction pressure hose 1"                      Chuck jaw clamps, steel double galvanised                      Brass suction high pressure coupling, 1" nozzle                      Brass quick-action coupling, 1" male thread                      Brass hose nozzle/O-ring, 1" male thread                      Brass check valve, 1" female thread with strainer, special steel</p> <p>Internal Ø: 25 mm                      Wall thickness: 3.4 mm                      Bending radius: 112 mm                      Length: 7 m                      Working pressure: 8 bar                      Bursting pressure: 24 bar                      Temperature resistance: 0 - 65 °C                      Water column (vacuum): 9 m</p>	0903061219*

\* Self-service packaging

### Floating intake

- Suitable for drawing from wells, cisterns, ponds or streams
- Prevents the suction of dirt particles
- Water intake in the cleanest area, just below the water surface

	Order no.
 <p><b>Floating ball</b></p> <ul style="list-style-type: none"> <li>■ For connection to the suction hose sets – standard and professional</li> </ul> <p>Floating ball PE / 2 eyelets, Ø 150 mm Special steel ring, VA</p>	0903061367*
 <p><b>Floating intake</b></p> <ul style="list-style-type: none"> <li>■ For connection to 1" spiral suction hoses</li> </ul> <p>Consisting of: Floating ball PE / 2 eyelets, Ø 150 mm Special steel ring, VA Hose clamp, steel galvanised Brass hose nozzle/O-ring, 1" male thread Brass check valve, 1" with strainer, special steel</p>	0903061359*

### Armoured hose

	Order no.
 <p><b>Armoured hose</b></p> <ul style="list-style-type: none"> <li>■ For connection to the suction/discharge side of all domestic water works/automatic systems with 1" male thread/female thread on permanently mounted pipes</li> <li>■ Absorbs running noises and guarantees high safety by means of double deep injection on the connection fittings</li> <li>■ Special steel jacket 1", interior latex core</li> <li>■ Rust-free fittings</li> </ul> <p>Consisting of: Armoured hose, 1" male thread x 1" female thread Gasket Ø 30 x 23 x 3 mm</p> <p>Internal Ø: 25 mm Wall thickness: 4 mm Length: 500 mm Working pressure: 6 bar Bursting pressure: 18 bar Temperature resistance: 0 - 65 °C</p>	0903061340*

### Discharge set with fittings

	Order no.
 <p><b>Discharge set</b></p> <ul style="list-style-type: none"> <li>■ For the connection of all immersion pumps 1", 1 1/4" and 1 1/2" with multi-adapter</li> <li>■ 1" Discharge Hose, black, with incorporated rigid PVC coil, buckling-proof and non-abrasive</li> <li>■ Also suitable for suction devices (e.g. air, dust, woodchips)</li> </ul> <p>Consisting of: 1" Spiral Hose Screwed hose connection 1 1/4" x 25 mm in brass Industrial stainless steel threaded hose clamp 20 - 32 mm</p> <p>Internal Ø: 25 mm Length: 7 m Working pressure: 1.5 bar Temperature resistance: -10 - 60 °C</p>	6.28821

	Order no.
 <p><b>Discharge set</b></p> <ul style="list-style-type: none"> <li>■ For connecting all immersion pumps with Storz couplings C=2"</li> <li>■ 2" construction/industrial hose, high strength polyester thread, round woven, rubber-lined interior, corrosion-free, ozone-, decomposition- and mould-resistant</li> <li>■ Light alloy Storz couplings fixed in on both sides</li> <li>■ Couplings fixed in with special steel wire</li> </ul> <p>Consisting of: 2" industrial hose Storz couplings C=2" Cam distance: 66 mm</p> <p>Internal Ø: 52 mm Wall thickness: 2.4 mm Length: 15 m Operating pressure: 10 bar Burst pressure: 30 bar Temperature resistance: 0 - 60 °C</p>	0903061294*

### Dry operation protection

	Order no.
 <p><b>Hydromat HM 2 – electronic pressure switch with dry operation protection</b></p> <ul style="list-style-type: none"> <li>■ For converting a garden pump into an automatic domestic water works system</li> <li>■ Also suitable for deep well pumps and submersible pressure pumps</li> <li>■ Dry operation protection is the automatic deactivation of the motor when nothing is left to pump. (Leaky suction pipe, the water supply dries out)</li> <li>■ Hydromat switches the pump on automatically when the water pressure drops and switches it off again when the pump's maximum pressure is reached</li> <li>■ A diaphragm and spring neutralise the effects of pressure surges</li> <li>■ With a safety valve to prevent water leaking if the diaphragm is damaged</li> </ul> <p>Switch-on pressure approx. 1.5 bar Voltage: 230 V Frequency: 50 / 60 Hz Protection type: IP 65 Maximum amperage: 16(8) A-1.5 kW Maximum operating pressure 10 bar Maximum operating temperature 0° to 65° C</p> <p>Connection: Discharge port, 1" male thread Device connection, 1" male thread Adapter 1" FThr x 1" MThr</p>	0903063238*
 <p><b>Dry operation protection stop switch</b></p> <ul style="list-style-type: none"> <li>■ Dry operation protection for domestic water works, domestic water works automatic systems, garden pumps, immersion pumps and submersible pressure pumps</li> <li>■ Float switch with 10 metre cable length</li> <li>■ When drawing from cisterns, ponds or streams, the floating switch switches the pumps on and off automatically depending on the water level</li> <li>■ Plug/socket combination</li> </ul>	0903028521
 <p><b>Hydrostop dry operation protection</b></p> <ul style="list-style-type: none"> <li>■ As a supplementary dry operation protection for domestic water works</li> <li>■ If the pumped liquid is absent or the water pressure drops, the hydrostop switches the pump off automatically (leaky suction pipe, water reserve running dry)</li> </ul> <p>Switch-off pressure: 0.8 bar (minimum water pressure) Maximum operating pressure 6 bar Temperature resistance: 0° to 35°</p> <p>Connection: Discharge port, 1" female thread Device connection, 1" male thread</p>	0903052597*

\* Self-service packaging

### Filters for garden pumps and domestic water works/automatic systems

- For connecting to the suction pipe of all garden pumps and domestic water works/automatic systems
- The filter protects the pump and sprinkling systems from damage by sand and dirt particles
- Housing and lid made from impact-resistant polypropylene
- Connections with brass female threads
- Temperature resistant from 0 to 60°C

	Order no.
 <p><b>Filter 1" short</b></p> <ul style="list-style-type: none"> <li>■ Garden pumps and domestic water works automatic systems require a short filter due to their lower construction height</li> </ul> <p>Height: 190 mm Diameter: 120 mm Water throughput: 6,200 l/hour Bursting pressure: 28 bar Working pressure: 8 bar</p>	0903016450*
 <p><b>Filter 1" short, with washable filter insert</b></p> <ul style="list-style-type: none"> <li>■ Delivery includes washable filter insert with nylon fabric 80 my, protects against ultra-fine sand and solid matter</li> <li>■ Garden pumps and domestic water works automatic systems, require a short filter due to their lower height of construction</li> </ul> <p>Height: 190 mm Diameter: 120 mm Water throughput: 6,200 l/hour Bursting pressure: 28 bar Working pressure: 8 bar</p>	0903050314*
 <p><b>Filter 1" long</b></p> <p>Height: 310 mm Diameter: 120 mm Water throughput: 6,400 l/hour Bursting pressure: 28 bar Working pressure: 8 bar</p>	0903009250*
 <p><b>Filter 1" long, with washable filter insert</b></p> <ul style="list-style-type: none"> <li>■ Delivery includes washable filter insert with nylon fabric 80 my, protects against ultra-fine sand and solid matter</li> </ul> <p>Height: 310 mm Diameter: 120 mm Water throughput: 6,400 l/hour Bursting pressure: 28 bar Working pressure: 8 bar</p>	0903050306*
 <p><b>Filter 1 1/2" long</b></p> <p>Height: 310 mm Diameter: 120 mm Water throughput: 13,800 l/hour Bursting pressure: 28 bar Working pressure: 8 bar</p>	0903014253*

### Filter inserts

#### One-way filter insert

- Insert with twisted thread, 20 my
- Protects pump and sprinkling systems against damage by sand and solid matter

	Connecting thread	Version	Order no.
	1"	Short	0903028432*
	1"	Long	0903028351*

#### Washable filter insert

- Washable insert with nylon fabric, 80 my
- Protects pump and sprinkling systems against damage by sand and solid matter

	Connecting thread	Version	Order no.
	1"	Short	0903028440*
	1"	Long	0903028360*
	1 1/2"	Long	0903028416*

### Filter accessories

	Order no.
 <p><b>Filter key</b></p> <ul style="list-style-type: none"> <li>■ For the loosening of the filter dome</li> </ul> <p>Internal Ø, 120 mm</p>	0903058005*
 <p><b>Filter sealing set</b></p> <p>Suitable for 1" and 1 1/2" filters</p> <p>Consisting of:</p> <ul style="list-style-type: none"> <li>1x filter dome O-ring, Ø 88 x 3.5 mm</li> <li>1x filter insert flat seal, Ø 52 x 40 x 4 mm</li> <li>2x filter insert flat seal, Ø 52 x 27 x 4 mm</li> </ul>	0903061316*

\* Self-service packaging

### Angle connections with multi-adapter

- For connecting immersion pumps to quick-action couplings or discharge, suction or garden hoses

	Order no.
 <p><b>Angle connection with multi-adapter 1 1/4"</b>                      Angle connection: 1 1/4" male thread / 1 1/4" male thread                      Multi-adapter: 1 1/4" female thread, 1 1/4" nozzle, 1 1/4" male thread, 1" nozzle</p>	0903064846*
 <p><b>Angle connection with multi-adapter 1 1/2"</b>                      Angle connection: 1 1/2" male thread / 1 1/2" male thread                      Multi-adapter: 1 1/2" female thread, 1 1/2" nozzle, 1 1/4" nozzle, 1" male thread</p>	0903064854*

### Multi-adapter

- For connecting immersion pumps or domestic water works to discharge, suction or garden hoses

	Order no.
 <p><b>Multi-adapter, 1"</b>                      1" male thread x 1" nozzle x 3/4" male thread x 3/4" nozzle</p>	0903018410*
 <p><b>Multi-adapter, 1 1/4"</b>                      1 1/4" female thread x 1 1/2" nozzle x 1" male thread x 1" nozzle                      Double nipple, 1 1/4" male thread</p>	0903061677*
 <p><b>Multi-adapter, 1 1/2"</b>                      1 1/2" male thread x 2" nozzle x 1 1/4" male thread x 1 1/2" nozzle</p>	0903061685*

### Angle connection

- For connecting immersion pumps to quick-action couplings or discharge, suction or garden hoses

	Order no.
 <p><b>Angle connection, 1" female thread</b>                      1" female thread x 1" female thread / 1 1/4" male thread</p>	0903019379*
 <p><b>Angle connection 1 1/4" male thread</b>                      1 1/4" male thread x 1 1/4" male thread / 1" female thread</p>	0903053143*
 <p><b>Angle connection 1 1/2" stainless steel</b>                      Angle connection: 1 1/2" female thread / 1 1/2" male thread</p>	0903064838*
 <p><b>Angle connection, 2" stainless steel</b>                      Angle connection /2" FThr x 2" MThr</p>	6.28802*

\* Self-service packaging

### Storz coupling

- For connecting sewage water immersion pumps to discharge hoses with C-Storz coupling

	Order no.
 <p><b>Storz coupling</b>                      C=2" x 1 1/2" male thread</p>	0903061375*
 <p><b>Storz coupling with extension pipe 100 mm</b>                      Consisting of:                      Storz coupling, C=2" x 1 1/2" female thread                      Pipe nipple, 1 1/2" male thread x 1 1/2" male thread -100 mm</p>	6.28801*
 <p><b>Storz coupling with extension pipe 300 mm</b>                      Consisting of:                      Storz coupling, C=2" x 1 1/2" female thread                      Pipe nipple, 1 1/2" male thread x 1 1/2" male thread -300 mm                      Suitable for PS 17000 SN, PS 18000 SN</p>	0903019352*
 <p><b>Storz coupling 2" MThr</b>                      C = 2" x 2" MThr</p>	6.28800*

### Rubber-metal connections for domestic water works

	Order no.
 <p><b>Rubber-metal connections for domestic water works</b></p> <ul style="list-style-type: none"> <li>■ For mounting on the tanks of domestic water works</li> <li>■ Absorbs vibrations and noise</li> <li>■ Packing unit: 4 pieces</li> </ul> <p>Dimensions: Ø 60 mm x 27 mm</p>	0903058625*

### Fabric sealing tape

	Order no.
 <p><b>Fabric sealing tape</b></p> <ul style="list-style-type: none"> <li>■ Seals without hemp or sealing paste</li> <li>■ For metal and plastic threaded joints</li> </ul> <p>Length on roll: 12 m                      Width: 12 mm                      Thickness: 0.1 mm</p>	0901026319*

# M+ System: Machine and Accessories perfectly synchronised for maximum performance



## Reliable quality tools for any application

We are the specialist for the metal trade and industry, and the ideal partner in drilling/screwdriving, cutting/ grinding and sawing in the building sector.

## The M+ System: Metabo Machine + Metabo Accessories from a single source



Even during the development phase at Metabo, machines and accessories are optimally adjusted to one another and tested. Your added benefit: Maximum performance thanks to Metabo+ System effect.



## Hedge Trimmers

# Hedge trimmers: Light, quiet, powerful

Metabo hedge trimmers have been setting standards in the market for decades. With patented handle systems, robust motors, high-quality blades and excellent ergonomics they are always the right choice for the professional user. Whether mains-powered or as a cordless machine with intelligent battery pack technology: The Metabo hedge trimmers are among the lightest machines on the market and offer maximum safety thanks to their quick stop function, torque limiting clutch and trigger guard.



**Cable replacement cover (87 and 88 series)**  
Particularly maintenance friendly! Carbon brushes can be more easily replaced by an electrical technician. You can save time and money.

**Carbon brush replacement cover (only 88 series)**  
Particularly maintenance friendly! Carbon brushes can be more easily replaced by an electrical technician. You can save time and money.

**Trigger guard**  
The extra large blade guard helps prevent debris coming back towards you while working on hedges or when working around walls, tree trunks or paths.

**Cable stress reliever**  
Effectively prevents a power cord from disconnecting from the adapter of an extension cable.

**Optimum airflow (87 and 88 series)**  
The excess air flows downwards. This prevents users from having air blown towards their eyes.

0,05  
SEC  
FAST BRAKE

**Quick stop in 0.05 seconds**  
This kicks in when one of the two hand switches are not depressed, thus preventing you from accidentally reaching into the running blade.

S-AUTOMATIC  
SAFETY CLUTCH

**Two-level reduced gear**  
for especially high cutting performance

**Metabo S-automatic torque limiting clutch**  
Protects blades and gears when debris or large braches stop the blades

HS 8865



**New blade geometry**  
Blades with improved geometry generate less wear and thus deliver 200% longer service life.



**More range**  
Patented Metabo handle system with additional switch for up to 50% more reach



**AHS 36 V / AHS 36-65 V**  
The lightest machines among the professional hedge trimmers in the 36 V class.



Technical data	Cordless Hedge Trimmer AHS 36 V	Cordless Hedge Trimmer AHS 36-65 V
Battery pack type	Li-Ion	Li-Ion
Battery pack voltage	36 V	36 V
Lifetime of battery pack	50 min	50 min
Cutting strength	18 mm	18 mm
Cutting length	53 cm	63 cm
Orbital frequency at no load	2,700 /min	2,700 /min
Weight (with battery pack)	3.9 kg	4.1 kg

Scope of delivery	6.02177	6.02203
Order no.		
1 Li-Power Battery Pack (36 V/1.5 Ah)	■	
2 Li-Power Battery Packs (36 V/1.5 Ah)		■
»AIR COOLED« quick charger ASC Ultra		■
»AIR COOLED« quick charger ASC 30-36 V	■	
Storage slipcase	■	■

**Product advantages**

- The lightweight among the professional hedge trimmers in the 36 V class
- Blades with improved geometry generate less wear and thus deliver 200% longer service life
- Cleaner cuts thanks to double diamond-ground blade teeth at an optimum 30° angle
- Safety lower blade for high safety at work
- Two-level reduced gear for particularly high cutting performance
- Pleasant to work with thanks to low-vibration run, perfect ergonomics and softgrip handle
- Safety thanks to electronic quick stop of the blade (in 0.3 seconds)
- Trigger-guard with twig feed protects user and gear from backstrokes
- Battery packs with capacity display for checking the charge status

**System components**

- 555 → Accessories
- 66 → Battery packs

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Technical data	Hedge Trimmer HS 45	Hedge Trimmer HS 55	Hedge Trimmer HS 65
Cutting strength	18 mm	18 mm	18 mm
Cutting length	450 mm	550 mm	650 mm
Blade clearance	28 mm	28 mm	28 mm
Orbital frequency at no load	3,100 /min	3,100 /min	3,100 /min
Rated input power	450 W	450 W	450 W
Weight without mains cable	3.4 kg	3.6 kg	3.8 kg
Cable length	0.3 m	0.3 m	0.3 m

**Scope of delivery**

Order no.	6.20016	6.20017	6.20018
Trigger guard	■	■	■
Container	■	■	■

**Product advantages**

- Patented mechanical quick blade stop (in 0.05 seconds) for improved safety
- Cleaner cuts thanks to double diamond-ground blade teeth at an optimum 30° angle
- Safety lower blade for high safety at work
- Metabo S-automatic safety clutch: Protects blades and gear when debris or large branches stop the blades
- Cable strain relief prevents the unintentional disconnection of the plug-in connection
- Trigger-guard with twig feed protects user and gear from backstrokes

**System components**

555 ▶ Accessories



Technical data	Hedge Trimmer HS 8745	Hedge Trimmer HS 8755	Hedge Trimmer HS 8765
Cutting strength	20 mm	20 mm	20 mm
Cutting length	450 mm	550 mm	650 mm
Blade clearance	34 mm	34 mm	34 mm
Orbital frequency at no load	3,100 /min	3,100 /min	3,100 /min
Rated input power	560 W	560 W	560 W
Weight without mains cable	3.8 kg	3.9 kg	4 kg
Cable length	0.3 m	0.3 m	0.3 m

**Scope of delivery**

Order no.	6.08745	6.08755	6.08765
Trigger guard	■	■	■
Container	■	■	■

**Product advantages**

- Patented Metabo handle system with additional switch for up to 50% more reach
- Low weight saves strength when working
- Patented mechanical quick blade stop (in 0.05 seconds) for improved safety
- Blades with improved geometry generates less wear and thus delivers 200% longer service life
- Cleaner cuts thanks to double diamond-ground blade teeth at an optimum 30° angle
- Safety lower blade for high safety at work
- Metabo S-automatic safety clutch: Protects blades and gear when debris or large branches stop the blades
- Fatigue-proof operation due to ergonomic full grip bow-type handle design and optimum centre of gravity position
- Very quiet running due to shear blades running in opposite direction
- User-friendly guidance of machine exhaust in all working situations
- Easy servicing thanks to cable replacement cover
- Cable strain relief prevents the unintentional disconnection of the plug-in connection
- Trigger-guard with twig feed protects user and gear from backstrokes

**System components**

555 ▶ Accessories

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Technical data	Hedge Trimmer HS 8855	Hedge Trimmer HS 8865	Hedge Trimmer HS 8875
Cutting strength	26 mm	26 mm	26 mm
Cutting length	550 mm	650 mm	750 mm
Blade clearance	34 mm	34 mm	34 mm
Orbital frequency at no load	2,900 /min	2,900 /min	2,900 /min
Rated input power	660 W	660 W	660 W
Weight without mains cable	4.1 kg	4.2 kg	4.4 kg
Cable length	0.3 m	0.3 m	0.3 m

Scope of delivery	6.08855	6.08865	6.08875
Order no.			
Trigger guard	■	■	■
Container	■	■	■

- Product advantages**
- Two-level reduced gear for high cutting performance
  - Patented Metabo handle system with additional switch for up to 50% more reach
  - Low weight saves strength when working
  - Patented mechanical quick blade stop (in 0.05 seconds) for improved safety
  - Blades with improved geometry for less wear and thus 200% longer service life
  - Cleaner cuts thanks to double diamond-ground blade teeth at an optimum 30° angle
  - Safety lower blade for high safety at work
  - Metabo S-automatic safety clutch: Protects blades and gear when debris or large branches stop the blades
  - Fatigue-proof operation due to ergonomic full grip bow-type handle design and optimum centre of gravity position
  - Very quiet running due to shear blades running in opposite direction
  - User-friendly guidance of machine exhaust in all working situations
  - Particularly easy to service thanks to carbon brush and cable replacement cover
  - Cable strain relief prevents the unintentional disconnection of the plug-in connection
  - Trigger-guard with twig feed protects user and gear from backstrokes

**System components**

555 ▶ Accessories

**Accessories for hedge trimmers**

**Hedge trimmer maintenance oil**

- Based on natural oil, biodegradable



**Hedge trimmer maintenance oil spray**  
Pump-spray-can, with 0.3 litre capacity

Order no.

6.30475



**Hedge trimmer maintenance oil, 1 litre**  
The oil from the 1-litre container can be dispensed into the slip cover provided for the lubricated storage of the hedge trimmers. It protects the shear blades against the effects of corrosion.

6.30474

**Hedge trimming blade for Quick models**

- For a quick blade change without tools
- For trimming hedges with different blade lengths: large surfaces with long cutter bars; filigree profile cuts with short cutter bars
- All cutter bars fit on all hedge trimmers with »Quick« blade change

	Blade length mm	Order no.
	450	6.24575
	550	6.24576
	650	6.24577
	750	6.24578

**Accessories for chain saws**

**Saw chains**



**Saw chain**  
For Kt 1441; division: 3/8" ; drive links: 57

Order no.

6.31670\*



**Saw chain**  
For Kt 1440; division: 3/8" ; drive links: 59

6.31435\*

**Chain saw adhesive oil**



**Biological chain saw adhesive oil**  
1 litre, bio-degradable

Order no.

6.31433

\* Self-service packaging

**Bit box, 15 piece**

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for faster and simpler detection of the suitable bit; high-quality, robust box with belt clip; attractive sales display
- Magnetic quick change adapter

consisting of:	Sales unit / sales display	Order no.
 <p>S2 bits, L = 25 mm (14 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH1, PH2</li> <li>⊕ PZ1, PZ2</li> <li>⦿ SL4, SL6</li> <li>⦿ H3, H4, H5</li> <li>⦿ TX10, TX15, TX20, TX25, TX30</li> </ul> <p>1 x magnetic quick change bit holder</p>	1 piece / 24 pieces	6.26703

**Bit and ratchet set, 26 pieces**

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for faster and simpler detection of the suitable bit; high-quality, robust box with belt clip; attractive sales display
- High-quality ratchet; socket spanner made from chrome vanadium steel

consisting of:	Sales unit / sales display	Order no.
 <p>S2 bits, L = 25 mm (18 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH1, PH2, PH3</li> <li>⊕ PZ1, PZ2, PZ3</li> <li>⦿ SL4, SL5.5, SL6.5</li> <li>⦿ H3, H4, H5, H6</li> <li>⦿ TX10, TX15, TX20, TX25, TX30</li> </ul> <p>Socket wrenches (6 pieces): 1/4", 6 mm, 7 mm, 8 mm, 10 mm, 13 mm</p> <p>1 x extension 1 x ratchet</p>	1 piece / 12 pieces	6.26701

**Bit box, 32 piece**

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for faster and simpler detection of the suitable bit; high-quality, robust box with belt clip; attractive sales display
- Magnetic quick change adapter
- With adapter for sockets (socket wrench adapter)

consisting of:	Sales unit / sales display	Order no.
 <p>S 2-bits L= 25 mm (32 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH1, PH2x2, PH3</li> <li>⊕ PZ1, PZ2x2, PZ3</li> <li>⦿ SL3, SL4, SL5, SL6</li> <li>⦿ H3, H4, H5, H6</li> <li>⦿ TX10, TX15, TX20, TX25, TX27, TX30, TX40</li> <li>⦿ TX10, TX15, TX20, TX25, TX27, TX30, TX40</li> </ul> <p>1 x adapter 1 x magnetic quick change bit holder 65 mm</p>	1 piece / 12 pieces	6.26700

**Bit box, 56 piece**

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for faster and simpler detection of the suitable bit; high-quality, robust box with belt clip; attractive sales display
- Magnetic quick change adapter

consisting of:	Sales unit / sales display	Order no.
 <p>S2 bits, L = 25 mm (48 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH1 x3, PH2 x3, PH3 x3</li> <li>⊕ PZ1 x3, PZ2 x3, PZ3 x3</li> <li>⦿ SL4 x2, SL5 x2, SL6 x2</li> <li>⦿ H3, H4, H5</li> <li>⦿ TX10 x2, TX15 x2, TX20 x2, TX25 x2, TX27 x2, TX30 x2, TX40 x2</li> <li>⦿ TX10, TX15, TX20, TX25, TX27, TX30, TX40</li> </ul> <p>L = 75 mm (7 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH2, PH3</li> <li>⊕ PZ1, PZ2</li> <li>⦿ SL6</li> <li>⦿ TX20, TX25</li> </ul> <p>1 x magnetic quick change bit holder</p>	1 piece / 12 pieces	6.26702

**Bit box, 71 piece**

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for faster and simpler detection of the suitable bit; high-quality, robust box with belt clip; attractive sales display
- Magnetic quick change and bit holder

consisting of:	Sales unit / sales display	Order no.
 <p>S 2-bits L= 25 mm (60 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH1 x3, PH2 x6, PH3 x3</li> <li>⊕ PZ1 x3, PZ2 x6, PZ3 x3</li> <li>⦿ SL4 x3, SL6 x3</li> <li>⦿ H4 x3, H5 x3, H6 x3</li> <li>⦿ TX10 x3, TX15 x3, TX20 x3, TX25 x3, TX27 x3, TX30 x3, TX40 x3</li> </ul> <p>L = 75 mm (9 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH1, PH2, PH3</li> <li>⊕ PZ1, PZ2</li> <li>⦿ SL4, SL6</li> <li>⦿ TX20, TX25</li> </ul> <p>1 x magnetic quick change bit holder 1 x magnetic bit holder</p>	1 piece / 6 pieces	6.26704

**Accessory set in carry case, 55 piece**

- High-quality, robust box in special Metabo design; attractive sales display

consisting of:	Sales unit / sales display	Order no.
 <p>HSS-TiN metal drill bits (14 pieces): Ø 1.5 mm x 2; Ø 2 mm x 2; Ø 2.5 mm; Ø 3 mm x 2; Ø 3.5 mm; Ø 4 mm; Ø 4.5 mm; Ø 5 mm; Ø 5.5 mm; Ø 6 mm; Ø 6.5 mm</p> <p>Carbide masonry drill bits (7 pieces): Ø 4 mm; Ø 5 mm; Ø 6 mm x 2; Ø 7 mm; Ø 8 mm; Ø 10 mm</p> <p>CV-wood drill bits (5 pieces): Ø 4 mm, Ø 5 mm, Ø 6 mm, Ø 8 mm, Ø 10 mm</p> <p>Flat timber drill bits (2 pieces): Ø 16 mm; Ø 22 mm</p> <p>S2 bits, L = 25 mm (18 pieces):</p> <ul style="list-style-type: none"> <li>⊕ PH1, PH2 x 2, PH3</li> <li>⊕ PZ1, PZ2 x 2, PZ3</li> <li>⦿ SL4, SL6, SL7</li> <li>⦿ H3, H4, H5, H6</li> <li>⦿ TX15, TX20, TX25</li> </ul> <p>Socket wrenches (4 pieces): 7 mm, 8 mm, 9 mm, 10 mm</p> <p>1 x template 1 x spatula 1 x magnetic bit holder 1 x countersink 1 x socket spanner adapter</p>	1 piece / 6 pieces	6.26707

**Accessory set in carry case, 86 piece**

- High-quality, robust box in special Metabo design; attractive sales display

consisting of:	Sales unit / sales display	Order no.
 <p>HSS-TiN metal drill bits (14 pieces):                      Ø 1.5 mm x 2, Ø 2 mm x 2, Ø 2.5 mm, Ø 3 mm x 2, Ø 3.5 mm, Ø 4 mm, Ø 4.5 mm, Ø 5 mm, Ø 5.5 mm, Ø 6 mm, Ø 6.5 mm</p> <p>Carbide masonry drill bits (7 pieces):                      Ø 4 mm, Ø 5 mm, Ø 6 mm x 2, Ø 7 mm, Ø 8 mm, Ø 10 mm</p> <p>CV-wood drill bits (5 pieces):                      Ø 4 mm, Ø 5 mm, Ø 6 mm, Ø 8 mm, Ø 10 mm</p> <p>Flat timber drill bits (4 pieces):                      Ø 12 mm, Ø 16 mm, Ø 19 mm, Ø 25 mm</p> <p>S 2-bits L= 25 mm (32 pieces):                      PH0, PH1 x 2, PH2 x 2, PH3 x 2                      PZ0, PZ1 x 2, PZ2 x 2, PZ3 x 2                      SL3, SL4 x 2, SL6 x 2, SL7                      H3, H4, H5 x 2, H6                      TX10, TX15 x 2, TX20 x 2, TX25, TX30</p> <p>L = 50 mm (8 pieces):                      PH1, PH2, PH3                      PZ1, PZ2, PZ3                      TX15, TX20</p> <p>Depth guide (4 pieces):                      3 mm, 5 mm, 8 mm, 10 mm</p> <p>Socket wrenches (8 pieces):                      5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm</p> <p>1 x wood countersink                      1 x magnetic bit holder                      1 x Ø ruler                      1 x allen key</p>	1 piece / 6 pieces	6.26708

**Wood drill bit storage case, 8-piece**

- In high-quality, robust plastic cassette in special Metabo design with extendable Euro slot punch
- Wood spiral drill bit made of high-grade chrome vanadium steel, hardened, with centring point. For use in hard and soft wood, plywood, chipboards, etc.

consisting of:	Sales unit / sales display	Order no.
 <p>Ø 3 mm, Ø 4 mm, Ø 5 mm, Ø 5.5 mm, Ø 6 mm, Ø 7 mm, Ø 8 mm, Ø 10 mm</p>	1 piece / 10 pieces	6.26705

**Masonry drill bit storage case, 8-piece**

- In high-quality, robust plastic cassette in special Metabo design with extendable Euro slot punch
- Carbide masonry drill bit for rotary hammers and impact drills, milled version, suitable for drilling bricks, masonry, etc.

consisting of:	Sales unit / sales display	Order no.
 <p>Ø 3 mm, Ø 4 mm, Ø 5 mm, Ø 5.5 mm, Ø 6 mm, Ø 7 mm, Ø 8 mm, Ø 10 mm</p>	1 piece / 10 pieces	6.26706

**Bit box, 9 piece**

- Colour-coded bits; magnetic bit holder

consisting of:	Version	Sales unit / sales display	Order no.
 <p>S2 bits, L = 25 mm (8 pieces):                      PH1, PH2                      PZ1, PZ2                      SL5.5                      H4                      TX20, TX25                      1 x magnetic bit holder</p>	9 piece	1 piece / 21 pieces	6.30419

**SDS-plus storage case, 4-piece**

- 4 piece, in plastic carry case
- SDS-plus drill bit with high-quality carbide drill tip
- Dynamic, chisel-shaped bit head
- Large-volume S-spiral geometry ensures quick drill dust removal
- Good drilling performance with good tool life
- For use in concrete, masonry, natural stone

Diameter	Length	Sales unit / sales display	Order no.
 <p>Ø 5, 6, 8, 10 mm</p>	L= 160 mm	1 piece / 10 pieces	6.25580

**SDS-plus chisel set , 2 piece**

- Comprising 1 pointed chisel L = 200 mm, 1 x flat chisel 20 x 200 mm
- For general chiselling and demolition work of masonry, concrete and loose stones.

Version	Sales unit / sales display	Order no.	
	2 piece	1 piece / 6 pieces	6.30486

**SDS-max chisel set , 2 piece**

- Comprising 1 pointed chisel L = 360 mm, 1 x flat chisel 25 x 360 mm
- For general chiselling and demolition work of masonry, concrete and loose stones.

Version	Sales unit / sales display	Order no.	
	2 piece	1 piece / 6 pieces	6.23309

HSS-R bit storage case

- Drill bits for metal, HSS-R, roll-milled version, cylindrical, type N, 118° cone-shaped, shell polished surface, in metal case
- Suitable for drilling in steel, non-ferrous metals, alloyed and non-alloyed cast steel; Up to 900 N/mm<sup>2</sup> tensile strength.

	Diameter x bore hole	Version	Sales unit / sales display	Order no.
	1-10 x 0.5 mm	19 piece	1 piece / 6 pieces	6.27151
	1-13 x 0.5 mm	25 piece	1 piece / 4 pieces	6.27152

HSS-G drill bit storage case

- Drill bits for metal, HSS-G, ground version, cylindrical, DIN 338, type N, 135° crosswise grinding, blank surface, in metal case
- Suitable for drilling steel and cast steel, alloyed and unalloyed, grey cast iron, malleable cast iron, ductile cast iron, sintered iron, nickel silver, graphite, non-ferrous metals, plastic; Up to 900 N/mm<sup>2</sup> tensile strength.

	Diameter x bore hole	Version	Sales unit / sales display	Order no.
	1-10 x 0.5 mm	19 piece	1 piece / 6 pieces	6.27153
	1-13 x 0.5 mm	25 piece	1 piece / 4 pieces	6.27154

HSS-TiN drill bit storage case

- Drill bits for metal, HSS-TiN, titanium nitrate alloy version, ground, cylindrical, type N, 135° crosswise grinding, gold surface, in metal case. HSS-TiN drill bit not suitable for processing aluminium!
- Ø 1 - 10 x 0.5 mm; Suitable for drilling steel and cast steel, alloyed and unalloyed, grey cast iron, non-ferrous metals, plastic; up to 900 N/mm<sup>2</sup> tensile strength.

	Diameter x bore hole	Version	Sales unit / sales display	Order no.
	1-10 x 0.5 mm	19 piece	1 piece / 6 pieces	6.27156

HSS-CO drill bit storage case

- Drill bits for metal, HSS-Co, cobalt alloy version, ground, cylindrical, type N, 135° crosswise grinding, bronze surface, 19-piece, in metal case
- Ø 1 - 10 x 0.5 mm; Suitable for drilling in steel, VA-steel, cast steel, non-ferrous metals, plastics, special alloys; up to 1100 N/mm<sup>2</sup> tensile strength

	Diameter x bore hole	Version	Sales unit / sales display	Order no.
	1-10 x 0.5 mm	19 piece	1 piece / 6 pieces	6.27157

Cutting discs Inox, TF 41, in metal tin

- Universal disc for processing steels/stainless steels.
- Low in iron and sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)
- Good cutting output with good tool life.
- Low material consumption, power-saving, low machine load.

	Quality class	Diameter x thickness x bore hole	Version	Maximum speed	Sales unit / packaging unit	Order no.
	A 60 R	115 x 1 x 22.23 mm	straight	13,200 /min	1 piece / 10 pieces	6.16358
	A 60 R	125 x 1 x 22.23 mm	straight	13,200 /min	1 piece / 10 pieces	6.16359

Diamond cutting disc "Universal", segmented

- For general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.
- Sintered diamond segments
- Segment height: 7.0 mm
- Maximum working speed: 80 m/s

	Diameter x bore hole	Segment width	Maximum speed	Sales unit / sales display	Order no.
	115 x 22.23 mm	7 mm	13,300 /min	1 piece / 10 pieces	6.24306
	125 x 22.23 mm	7 mm	12,200 /min	1 piece / 10 pieces	6.24307
	150 x 22.23 mm	7 mm	10,200 /min	1 piece / 10 pieces	6.24308
	180 x 22.23 mm	7 mm	8,500 /min	1 piece / 10 pieces	6.24309
	230 x 22.23 mm	7 mm	6,600 /min	1 piece / 10 pieces	6.24310

Jigsaw blade assortment, 10-piece, for wood+metal+plastic

- Suitable for Metabo, AEG, Atlas Copco, Black & Decker, Bosch, DeWalt, Elu, Festo, Hitachi, Holz-Her, Kress, Makita, Skil ...
- 10 x storage cases in a sales display
- For wood, metal and plastics
- Consisting of 6.23646, 6.23634, 6.23631 x 2, 6.23633 x 2, 6.23632, 6.23639, 6.23638, 6.23637
- (Corresponds to: T119BO, T101B, T119B x 2, T144D x 2, T111C, T127D, T118B, T118A)

	Material suitability	Number of parts	Sales unit / sales display	Order no.
	For wood, metal, plastics	10 pieces	1 piece / 10 pieces	6.23599

Cutter bit assortment, 6 piece

- Consisting of: 2 x straight bits: 8 mm; 12 mm; 1 x core-box bits: 12.7 mm, R 6.3mm; 1 x rounding over but with ball bearing: 21.8 mm, R 6.3 mm; 1 x profile cutter with ball bearing: 25 mm, R 4.5 mm; 1 x V groove bit 12.7 mm 14°

	Version	Sales unit / sales display	Order no.
	6 piece	1 piece / 6 pieces	6.31040

Cutter bit assortment, 15 piece

- Consists of: 4 x straight bits: 6 mm; 10 mm; 12 mm; 16 mm; 3 x core-box bits: 12.7 mm, R 6.3mm; 9.5 mm, R 4.8 mm; 21.8 mm, R 6.3 mm; 1 x chamfer/edge trimmer: 31.5 mm, 45°, 1 x V groove bit: 12.7 mm, 90°; 2 x rounding over bit: 28.1 mm, R 9.5 mm; 21.8 mm, R 6.3 mm, 1 x edge trimmer: 12.7 mm; 1 x dovetailing bit: 12.7 mm, 14°, 1 x profile cutter: 25 mm; R 4.5 mm, 1 x rebating bit: 22.2 mm

	Version	Sales unit / sales display	Order no.
	15 piece	1 piece / 6 pieces	6.31039

Protective Goggles

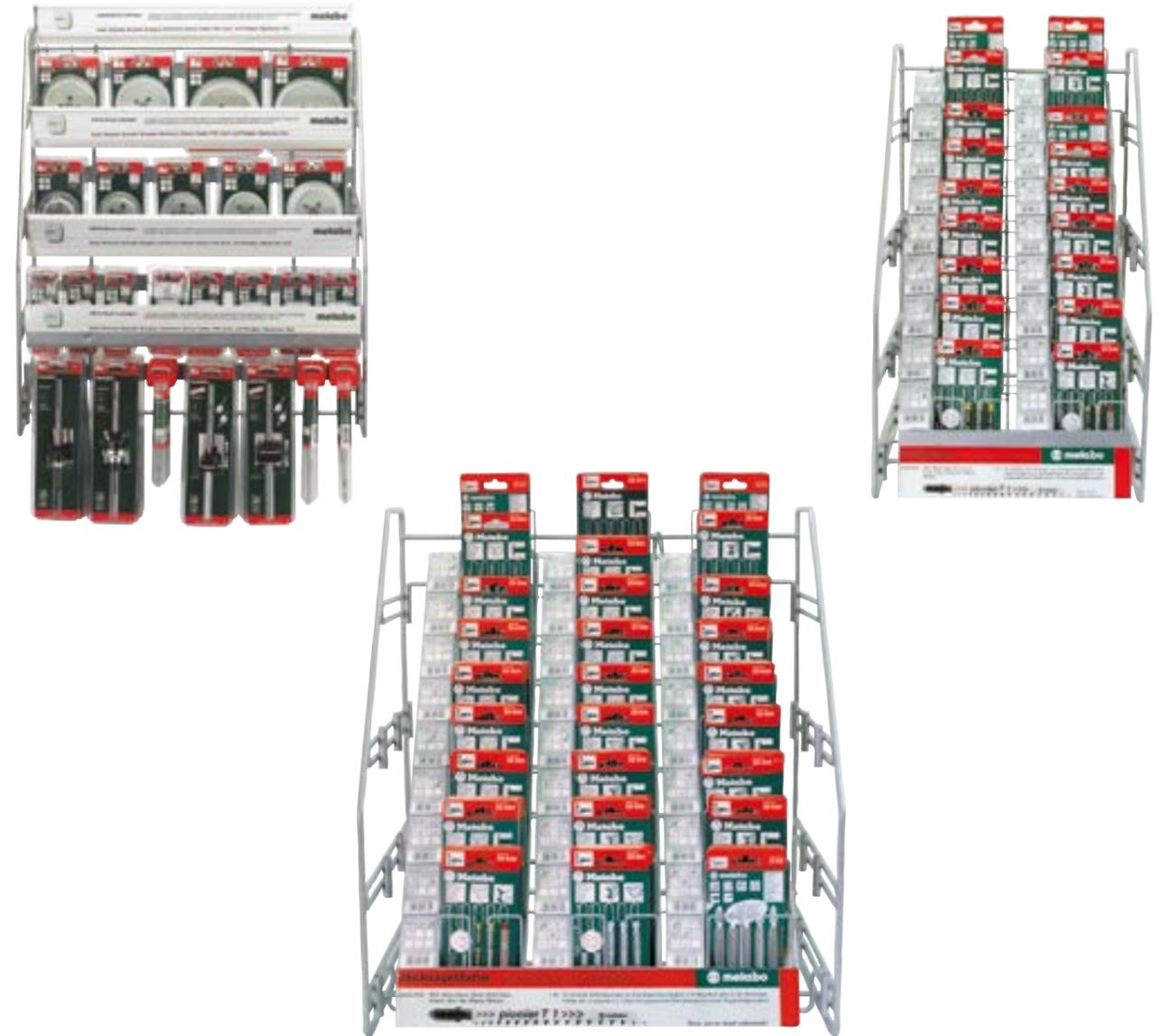
- More than just normal protective goggles: its modern fashion look make them a welcome companion in your daily work
- Perfect all-round protection, large field of vision thanks to specially shaped lens
- Excellent ventilation thanks to optimally integrated temple concept
- Special coating (outside scratch-proof, inside anti-fog)

	Version	Sales unit / sales display	Order no.
	Lens colourless, UV 2 - 1.2	1 piece / 5 pieces	6.23751

	Version	Sales unit / sales display	Order no.
	Grey lens, UV 5 - 2.5, sun protection	1 piece / 5 pieces	6.23752

# Accessory Modules: Well thought out in detail

The high quality of the Metabo accessory program, plus an optimal presentation warrant a successful and lucrative accessory business.



- Attractive sales module for high-turnover product areas, e.g. drills, hole saws, jigsaw blades
- Lockable sales cabinets for drills
- Clear product information with colour system on the head bands
- Next to the foldable head band, clear article designation with EAN Code, Order No., dimensions and price range. Thus quick identification of product and reordering without problems. Flexible hook system for secure fit of products
- Presentation option on any wall, in the Metabo accessory presentation system or counter display
- Always within the visual focus of the customer
- Self service vendor system

Drill modules, module size 49 x 60 x 36 mm

**Drill bits for metal, HSS-G**  
Standard components 144 pieces  
Order no. 6.90073

**Drill bits for metal, HSS-Co**  
Standard components 168 pieces  
Order no. 6.90074

Ø x TL mm	Units	Order no.
1.0 x 34	5	6.27950
1.5 x 40	5	6.27951
2.0 x 49	5	6.27952
2.5 x 57	5	6.27953
3.0 x 61	10	6.27954
3.2 x 65	5	6.27955
3.5 x 70	5	6.27957
4.0 x 75	10	6.27958
4.2 x 75	5	6.27960
4.5 x 80	5	6.27961
4.8 x 86	5	6.27962
5.0 x 86	10	6.27963
5.5 x 93	5	6.27966
6.0 x 93	10	6.27967
6.5 x 101	5	6.27968
6.8 x 109	3	6.27969
7.0 x 109	5	6.27970
7.5 x 109	3	6.27971
8.0 x 117	10	6.27973
8.5 x 117	5	6.27975
9.0 x 125	3	6.27976
9.5 x 125	3	6.27977
10.0 x 133	5	6.27978
10.5 x 133	2	6.27980
11.0 x 142	2	6.27981
11.5 x 142	2	6.27982
12.0 x 151	2	6.27983
12.5 x 151	2	6.27984
13.0 x 151	2	6.27985

Ø x TL mm	Units	Order no.
1.0 x 34	10	6.27430
1.5 x 40	5	6.27431
2.0 x 49	10	6.27432
2.5 x 57	5	6.27433
3.0 x 61	10	6.27435
3.2 x 65	10	6.27436
3.3 x 65	10	6.27437
3.5 x 70	5	6.27438
4.0 x 75	10	6.27439
4.2 x 75	5	6.27441
4.5 x 80	5	6.27442
4.8 x 86	5	6.27443
5.0 x 86	10	6.27444
5.5 x 93	5	6.27447
6.0 x 93	10	6.27448
6.5 x 101	5	6.27449
7.0 x 109	5	6.27451
7.5 x 109	3	6.27452
8.0 x 117	10	6.27454
8.5 x 117	5	6.27456
9.0 x 125	3	6.27457
9.5 x 125	3	6.27458
10.0 x 133	5	6.27459
10.2 x 133	2	6.27460
10.5 x 133	2	6.27461
11.0 x 142	2	6.27462
11.5 x 142	2	6.27463
12.0 x 151	2	6.27464
12.5 x 151	2	6.27465
13.0 x 151	2	6.27466



Drill modules, module size 49 x 60 x 36 mm

**Universal wood drill bits**  
Standard components 126 pieces  
Order no. 6.90076

**Flat timber drill bits, wood drill bits, forstner pattern bits**  
Standard components 92 pieces  
Order no. 6.90080

Ø x TL mm	Units	Order no.
4.0 x 85	5	6.27680
5.0 x 85	5	6.27681
6.0 x 100	10	6.27683
6.0 x 150	10	6.27684
8.0 x 120	5	6.27688
8.0 x 250	5	6.27689
10.0 x 120	3	6.27691
10.0 x 250	3	6.27692
12.0 x 150	3	6.27693
12.0 x 250	3	6.27694
3.0 x 61	5	6.27986
4.0 x 75	5	6.27987
5.0 x 86	5	6.27988
6.0 x 93	10	6.27989
7.0 x 109	3	6.27990
8.0 x 117	10	6.27991
9.0 x 120	2	6.27992
10.0 x 133	10	6.27993
11.0 x 142	2	6.27994
12.0 x 151	6	6.27995
13.0 x 151	2	6.27996
14.0 x 151	4	6.27997
15.0 x 160	2	6.27998
16.0 x 160	4	6.27999
18.0 x 180	2	6.27339
20.0 x 200	2	6.27340

Ø x TL mm	Units	Order no.
10.0 x 160	3	6.27312
12.0 x 160	3	6.27313
14.0 x 160	3	6.27315
16.0 x 160	3	6.27316
18.0 x 160	3	6.27317
20.0 x 160	3	6.27319
25.0 x 160	3	6.27322
26.0 x 160	3	6.27323
30.0 x 160	3	6.27325
36.0 x 160	3	6.27327
3.0 x 61	5	6.27986
4.0 x 75	5	6.27987
5.0 x 86	5	6.27988
6.0 x 93	5	6.27989
8.0 x 117	5	6.27991
10.0 x 133	5	6.27993
12.0 x 151	3	6.27995
14.0 x 151	3	6.27997
16.0 x 160	3	6.27999
18.0 x 180	3	6.27339
10.0 x 90	2	6.27579
12.0 x 90	2	6.27580
14.0 x 90	2	6.27581
15.0 x 90	2	6.27582
20.0 x 90	2	6.27585
25.0 x 90	2	6.27588
26.0 x 90	2	6.27589
30.0 x 90	2	6.27591
35.0 x 90	2	6.27594
36.0 x 90	2	6.27595



**Concrete drill bit "pro"**  
Standard components 99 pieces  
Order no. 6.90083

**"Classic" drill bit for concrete**  
Standard components 99 pieces  
Order no. 6.90084

**SDS Plus drill bit, pro 4**  
Standard components 120 pieces  
Order no. 6.90086

**SDS Plus drill bit, pro 4 "PREMIUM"**  
Standard components 160 pieces  
Order no. 6.90424

**Forstner pattern bit**  
Standard components 45 pieces  
Order no. 6.90081

**Auger bits**  
Standard components 78 pieces  
Order no. 6.90078

**Concrete "classic", wood HSS-R bits**  
Standard components 134 pieces  
Order no. 6.90085

**Flat timber drill bits, glass drill bits**  
Standard components 75 pieces  
Order no. 6.90077

Ø x TL mm	Units	Order no.
4.0 x 75	5	6.27224
5.0 x 85	10	6.27225
5.5 x 85	3	6.27226
6.0 x 100	10	6.27227
6.5 x 100	3	6.27228
7.0 x 100	5	6.27229
8.0 x 120	10	6.27230
9.0 x 120	3	6.27389
10.0 x 120	10	6.27391
11.0 x 150	2	6.27392
12.0 x 150	3	6.27393
13.0 x 150	2	6.27394
14.0 x 150	2	6.27395
15.0 x 150	2	6.27396
16.0 x 150	2	6.27399
18.0 x 160	2	6.27409
20.0 x 160	2	6.27410
5.0 x 150	3	6.27421
6.0 x 150	3	6.27423
8.0 x 200	3	6.27426
10.0 x 200	3	6.27427
12.0 x 200	3	6.27428
14.0 x 200	2	6.27429

Ø x TL mm	Units	Order no.
4.0 x 75	5	6.27625
5.0 x 85	10	6.27626
5.5 x 85	3	6.27627
6.0 x 100	10	6.27646
6.5 x 100	3	6.27650
7.0 x 100	5	6.27651
8.0 x 120	10	6.27652
9.0 x 120	3	6.27653
10.0 x 120	10	6.27654
11.0 x 150	2	6.27655
12.0 x 150	3	6.27656
13.0 x 150	2	6.27657
14.0 x 150	2	6.27658
15.0 x 150	2	6.27659
16.0 x 150	2	6.27661
18.0 x 160	2	6.27662
20.0 x 160	2	6.27664
5.0 x 150	3	6.27665
6.0 x 150	3	6.27675
8.0 x 200	3	6.27679
10.0 x 200	3	6.27697
12.0 x 200	3	6.27698
14.0 x 200	2	6.27699

Ø x TL mm	Units	Order no.
5.0 x 110	5	6.31820
5.0 x 160	5	6.31821
6.0 x 110	10	6.31824
6.0 x 160	10	6.31825
6.0 x 210	5	6.31826
8.0 x 110	5	6.31832
8.0 x 160	10	6.31833
8.0 x 210	5	6.31834
8.0 x 260	3	6.31835
10.0 x 110	10	6.31837
10.0 x 160	10	6.31838
10.0 x 210	5	6.31839
10.0 x 260	2	6.31840
10.0 x 310	2	6.31841
12.0 x 160	5	6.31844
12.0 x 210	5	6.31845
12.0 x 260	2	6.31846
14.0 x 160	5	6.31849
14.0 x 210	3	6.31850
14.0 x 260	2	6.31851
14.0 x 310	2	6.31852
16.0 x 160	5	6.31854
16.0 x 210	2	6.31855
16.0 x 310	2	6.31856

Ø x TL mm	Units	Order no.
5.0 x 110	5	6.26200
5.0 x 160	5	6.26201
5.5 x 110	3	6.26202
5.5 x 160	3	6.26203
6.0 x 110	8	6.26204
6.0 x 160	8	6.26205
6.0 x 210	8	6.26206
6.0 x 260	8	6.26207
6.0 x 310	3	6.26208
6.5 x 160	3	6.26209
6.5 x 210	3	6.26210
6.5 x 260	3	6.26211
7.0 x 110	3	6.26213
7.0 x 160	3	6.26214
8.0 x 110	8	6.26215
8.0 x 160	8	6.26216
8.0 x 210	8	6.26217
8.0 x 260	8	6.26218
10.0 x 110	8	6.26219
10.0 x 160	8	6.26220
10.0 x 210	8	6.26221
10.0 x 260	8	6.26222
10.0 x 310	5	6.26223
12.0 x 160	5	6.26225
12.0 x 210	5	6.26226
12.0 x 260	3	6.26227
12.0 x 310	3	6.26228
14.0 x 160	3	6.26230
14.0 x 210	3	6.26231
14.0 x 310	3	6.26232

Ø x TL mm	Units	Order no.
10.0 x 90	3	6.27579
12.0 x 90	3	6.27580
14.0 x 90	3	6.27581
15.0 x 90	3	6.27582
16.0 x 90	3	6.27583
18.0 x 90	3	6.27584
20.0 x 90	3	6.27585
22.0 x 90	2	6.27586
24.0 x 90	2	6.27587
25.0 x 90	2	6.27588
26.0 x 90	2	6.27589
28.0 x 90	2	6.27590
30.0 x 90	2	6.27591
32.0 x 90	2	6.27592
34.0 x 90	2	6.27593
35.0 x 90	2	6.27594
36.0 x 90	2	6.27595
38.0 x 90	2	6.27596
40.0 x 90	2	6.27597

Ø x TL mm	Units	Order no.
8.0 x 230	3	6.27124
10.0 x 230	5	6.27125
12.0 x 230	5	6.27126
14.0 x 230	5	6.27127
16.0 x 230	5	6.27128
18.0 x 230	2	6.27129
20.0 x 230	2	6.27130
22.0 x 230	2	6.27131
24.0 x 230	2	6.27132
26.0 x 230	2	6.27133
28.0 x 230	2	6.27134
30.0 x 230	2	6.27135
32.0 x 230	2	6.27136
8.0 x 460	3	6.27137
10.0 x 460	5	6.27138
12.0 x 460	5	6.27139
14.0 x 460	5	6.27140
16.0 x 460	5	6.27141
18.0 x 460	2	6.27142
20.0 x 460	2	6.27143
22.0 x 460	2	6.27144
24.0 x 460	2	6.27145
26.0 x 460	2	6.27146
28.0 x 460	2	6.27147
30.0 x 460	2	6.27148
32.0 x 460	2	6.27150

Ø x TL mm	Units	Order no.
4.0 x 75	5	6.27625
5.0 x 85	5	6.27626
6.0 x 100	5	6.27646
6.0 x 150	5	6.27675
8.0 x 120	5	6.27652
8.0 x 200	5	6.27679
10.0 x 120	5	6.27654
12.0 x 150	3	6.27656
14.0 x 150	3	6.27658
16.0 x 160	3	6.27661
3.0 x 61	5	6.27986
4.0 x 75	5	6.27987
5.0 x 86	5	6.27988
6.0 x 93	5	6.27989
8.0 x 117	5	6.27991
10.0 x 133	5	6.27993
12.0 x 151	3	6.27995
14.0 x 151	3	6.27997
16.0 x 160	3	6.27999
18.0 x 180	3	6.27339
3.0 x 61	5	6.27954
3.5 x 70	5	6.27957
4.0 x 75	5	6.27950

**Drill-bit cabinets HSS-R**



**Drill-bit cabinet, small**

- In the smallest space (37.5 x 23.5 x 20.5 cm) the most important and most powerful HSS bits, roll-milled version

Contents	Order no.
29 dimensions with a total of 490 bits: Ø 1.0–13.0 mm, 0.5 mm ascending, in addition Ø 3.2 mm, 4.2 mm, 4.8 mm, 6.8 mm	6.90103



**Drill-bit cabinet, large**

- The most important and most powerful HSS bits, roll-milled version

Contents	Order no.
98 measurements with a total of 945 drill-bits: Ø 1.0–13.0 mm, 0.1 mm ascending	6.90106

**Cabinets for HSS-G drill-bits**



**Drill-bit cabinet, small**

- With the smallest dimensions (37.5 x 23.5 x 20.5 cm) the most important and most powerful HSS bits, ground version

Contents	Order no.
29 measurements with a total of 410 drill-bits: Ø 1.0–13.0 mm, 0.5 mm ascending, in addition Ø 3.2 mm, 4.2 mm, 4.8 mm, 6.8 mm	6.90104

**Hole saw module**



**HSS bi-metal hole saws**  
Standard components 46 pieces  
Order no. 6.90425

Designation	Ø mm	Pieces	Order no.
	19	2	6.25163
	20	2	6.25164
	25	2	6.25168
	29	2	6.25170
	32	2	6.25172
	35	2	6.25174
	38	2	6.25176
	40	2	6.25177
	44	2	6.25180
	51	2	6.25184
	57	2	6.25188
	60	2	6.25190
	64	2	6.25191
	68	2	6.25194
	76	2	6.25197
	83	2	6.25199
	95	2	6.25203
Pilot drill (6.35 mm)		8	6.25220
Adapter SW9 (14-30 mm)		8	6.25215
Adapter SW11 (32-152 mm)		8	6.25216

**Jigsaw blade module**



**Small jigsaw blade module**  
Standard components 180 pieces  
Order no. 6.90101

Corresponding Bosch type	Useful length mm	Pitch mm	Units	Order no.
T 119 BO	50	1.2	10	6.23646
T 119 B	50	2	10	6.23631
T 111 C	75	3	10	6.23632
T 114 D	75	4	10	6.23633
T 244 D	75	4	10	6.23649
T 101 D	75	4	10	6.23635
T 101 B	75	2.5	10	6.23634
T 301 CD	85	3	10	6.23654
T 234 X	90	progr.	10	6.23675
Assortment			10	6.23645
T 118 G	50	0.7	10	6.23636
T 118 A	50	1.2	10	6.23637
T 118 B	50	2	10	6.23638
T 127 D	75	3	10	6.23639
T 118 AF	50	1.2	10	6.23971
T 318 A	100	1.2	10	6.23629
T 123 X	75	progr.	10	6.23676
T 345 XF	105	progr.	10	6.23677

**Jigsaw blade module**



**Large jigsaw blade module**  
Standard components 270 pieces  
Order no. 6.90105

Corresponding Bosch type	Useful length mm	Pitch mm	Units	Order no.
T 119 BO	50	1.2	10	6.23646
T 119 B	50	2	10	6.23631
T 111 C	75	3	10	6.23632
T 144 D	75	4	10	6.23633
T 244 D	75	4	10	6.23649
T 144 DP	75	4	10	6.23694
T 101 D	75	4	10	6.23635
T 101 BR	75	2.5	10	6.23650
T 101 B	75	2.5	10	6.23634
T 101 AO	50	1.35	10	6.23651
T 301 CLF	105	3	10	6.23977
T 301 CD	85	3	10	6.23654
T 234 X	90	progr.	10	6.23675
Assortment			10	6.23645
T 118 G	50	0.7	10	6.23636
T 118 A	50	1.2	10	6.23637
T 218 A	50	1.2	10	6.23647
T 118 B	50	2	10	6.23638
T 127 D	75	3	10	6.23639
T 101 A	75	2	10	6.23640
T 118 AF	50	1.2	10	6.23971
T 118 EF	50	1.5	10	6.23972
T 118 BF	50	2	10	6.23973
T 127 DF	75	3	10	6.23974
T 318 A	100	1.2	10	6.23629
T 123 X	75	progr.	10	6.23676
T 345 XF	105	progr.	10	6.23677

Order no.	Page																						
6.00036	27	6.00496	96	6.00967	530	6.01567	493	6.02196	40	6.06731	84	6.16202	122	6.16460	122	6.16792	124	6.23246	145	6.23344	274	6.23487	166
6.00065	310	6.00506	103	6.00968	531	6.01568	494	6.02197	35	6.06870	191	6.16203	122	6.16462	122	6.16795	124	6.23247	145	6.23345	274	6.23488	166
6.00066	307	6.00512	216	6.00969	531	6.01569	500	6.02198	41	6.06872	191	6.16204	122	6.16464	122	6.16796	124	6.23259	247	6.23347	274	6.23494	166
6.00079	24	6.00514	98	6.00970	533	6.01570	500	6.02199	38	6.06875	192	6.16208	119	6.16465	122	6.18121	390	6.23260	145	6.23349	274	6.23495	165
6.00080	24	6.00534	98	6.00971	532	6.01571	500	6.02200	37	6.08745	553	6.16209	119	6.16468	122	6.19000	55	6.23261	145	6.23350	274	6.23496	165
6.00093	25	6.00542	343	6.00972	532	6.01572	501	6.02201	34	6.08755	553	6.16210	119	6.16477	117	6.19001	55	6.23265	145	6.23351	275	6.23499	167
6.00129	305	6.00544	343	6.00973	532	6.01573	501	6.02203	62	6.08765	553	6.16212	122	6.16479	120	6.19125	195	6.23266	145	6.23352	275	6.23501	168
6.00131	305	6.00545	343	6.00974	533	6.01574	497	6.02204	296	6.08855	554	6.16213	122	6.16486	123	6.19150	195	6.23267	145	6.23353	275	6.23503	168
6.00132	210	6.00548	99	6.00975	534	6.01575	497	6.02205	41	6.08865	554	6.16215	121	6.16487	123	6.19175	196	6.23269	248	6.23354	275	6.23505	168
6.00133	210	6.00552	104	6.00976	534	6.01576	497	6.02233	502	6.08875	554	6.16216	119	6.16500	119	6.19200	197	6.23270	248	6.23355	275	6.23506	169
6.00154	50	6.00562	97	6.00977	535	6.01577	498	6.02234	502	6.09225	303	6.16217	119	6.16501	119	6.19201	197	6.23272	143	6.23356	275	6.23507	167
6.00156	24	6.00572	97	6.00978	536	6.01578	498	6.02235	502	6.11350	309	6.16218	119	6.16505	117	6.19216	426	6.23273	143	6.23357	275	6.23508	167
6.00157	24	6.00580	211	6.00979	536	6.01579	504	6.02236	502	6.11351	309	6.16219	119	6.16506	117	6.19250	197	6.23275	130	6.23358	275	6.23509	167
6.00169	105	6.00581	212	6.00980	536	6.01580	504	6.02264	25	6.11750	196	6.16220	119	6.16507	117	6.19260	426	6.23276	140	6.23359	275	6.23510	167
6.00170	105	6.00582	212	6.01024	308	6.01581	505	6.02268	53	6.12001	247	6.16222	119	6.16508	117	6.19261	426	6.23278	130	6.23365	276	6.23511	170
6.00174	47	6.00585	214	6.01040	355	6.01582	505	6.02269	53	6.12003	247	6.16224	119	6.16509	117	6.19305	427	6.23279	130	6.23366	275	6.23512	165
6.00177	105	6.00593	215	6.01041	355	6.01583	504	6.02298	54	6.13060	73	6.16226	119	6.16512	119	6.20001	284	6.23280	130	6.23367	276	6.23513	166
6.00179	105	6.00596	265	6.01042	356	6.01584	504	6.02335	189	6.13069	73	6.16227	119	6.16513	119	6.20002	284	6.23281	130	6.23368	276	6.23514	166
6.00191	49	6.00601	204	6.01043	356	6.01585	505	6.02365	386	6.13072	45	6.16228	119	6.16514	120	6.20003	282	6.23282	130	6.23369	276	6.23515	166
6.00192	51	6.00615	179	6.01111	298	6.01586	505	6.02540	427	6.16100	118	6.16229	119	6.16515	120	6.20004	282	6.23283	130	6.23370	277	6.23516	166
6.00228	42	6.00616	179	6.01119	384	6.01587	475	6.03030	388	6.16101	118	6.16270	118	6.16516	120	6.20005	283	6.23284	130	6.23371	280	6.23517	166
6.00311	310	6.00617	179	6.01204	342	6.01588	477	6.03034	388	6.16102	118	6.16271	118	6.16554	123	6.20016	552	6.23285	130	6.23372	280	6.23518	166
6.00321	48	6.00618	180	6.01205	408	6.01650	386	6.04111	526	6.16103	118	6.16273	118	6.16560	123	6.20017	552	6.23287	143	6.23373	280	6.23519	165
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6.00325	304	6.00627	180	6.01301	372	6.02012	395	6.04113	527	6.16105	118	6.16275	123	6.16563	123	6.22971	129	6.23289	143	6.23376	276	6.23521	236
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6.00340	264	6.00636	251	6.01401	357	6.02014	396	6.04115	485	6.16109	118	6.16279	123	6.16573	123	6.22973	129	6.23291	130	6.23378	276	6.23524	168
6.00341	264	6.00637	263	6.01402	358	6.02015	396	6.04116	487	6.16111	118	6.16285	117	6.16604	123	6.22974	129	6.23292	130	6.23379	276	6.23525	167
6.00350	84	6.00638	52	6.01403	357	6.02019	388	6.04117	484	6.16115	118	6.16286	117	6.16610	123	6.22975	129	6.23298	154	6.23380	276	6.23526	166
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6.00366	266	6.00658	262	6.01532	471	6.02034	397	6.04120	484	6.16122	120	6.16299	118	6.16660	123	6.22981	129	6.23309	559	6.23383	276	6.23529	169
6.00367	27	6.00659	263	6.01533	471	6.02045	397	6.05052	458	6.16123	117	6.16300	117	6.16672	123	6.22982	129	6.23310	274	6.23384	276	6.23530	169
6.00368	56	6.00667	438	6.01534	471	6.02050	147	6.05053	458	6.16126	120	6.16302	117	6.16680	123	6.22984	129	6.23311	274	6.23385	276	6.23531	245
6.00369	27	6.00668	439	6.01536	474	6.02055	398	6.06101	204	6.16127	117	6.16303	120	6.16725	123	6.22985	129	6.23312	274	6.23386	276	6.23536	169
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6.00375	311	6.00712	260	6.01540	476	6.02101	32	6.06462	110	6.16143	120	6.16327	121	6.16729	123	6.22992	129	6.23316	274	6.23393	277	6.23541	169
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6.00380	86	6.00737	330	6.01542	476	6.02103	36	6.06464	110	6.16155	121	6.16338	121	6.16731	123	6.22995	129	6.23318	274	6.23395	277	6.23545	351
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6.00388	90	6.00795	61	6.01547	479	6.02105	31	6.06466	108	6.16163	118	6.16343	121	6.16733	120	6.22997	129	6.23320	274	6.23398	277	6.23547	351
6.00396	266	6.00806	216	6.01548	479	6.02106	57	6.06467	111	6.16167	118	6.16358	561	6.16735	123	6.22999	129	6.23321	274	6.23399	277	6.23548	351
6.00398	92	6.00842	206	6.01549	479	6.02111	57	6.06468	108	6.16170	124	6.16359	561	6.16736	122	6.23001	277	6.23322	274	6.23403	275	6.23549	351
6.00404	46	6.00843	207	6.01550	480	6.02113	27	6.06469	111	6.16171	124	6.16420	117	6.16737	118	6.23002	277	6.23323	274	6.23404	275	6.23550	351
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6.00407	100	6.00855	341	6.01552	483	6.02116	31	6.06471	109	6.16179	119	6.16429	122	6.16739	123	6.23004	277	6.23325	274	6.23409	166	6.23567	167
6.00410	87	6.00861	205	6.01553	483	6.02117	26	6.06472	111	6.16180	119	6.16442	117	6.16741	118	6.23005	277	6.23326	274	6.23470	165	6.23591	370
6.00414	92	6.00862	205	6.01554	488	6.02132	173	6.06473	109	6.16181	119	6.16444	117										

Order no.	Page	Order no.	Page	Order no.	Page	Order no.	Page	Order no.	Page	Order no.	Page	Order no.	Page	Order no.	Page								
6.23618	365	6.23740	146	6.23960	362	6.24056	316	6.24246	126	6.24437	287	6.24830	321	6.25021	236	6.25200	244	6.25439	66	6.25624	320	6.25882	321
6.23620	366	6.23741	146	6.23961	362	6.24057	316	6.24247	127	6.24438	287	6.24831	321	6.25022	236	6.25201	244	6.25451	417	6.25625	320	6.25883	321
6.23621	364	6.23742	146	6.23962	363	6.24058	316	6.24248	127	6.24439	287	6.24832	321	6.25023	236	6.25202	244	6.25452	67	6.25639	322	6.25884	321
6.23622	366	6.23750	418	6.23964	362	6.24059	316	6.24256	126	6.24440	287	6.24839	247	6.25024	236	6.25203	244	6.25453	66	6.25640	322	6.25885	321
6.23623	365	6.23751	562	6.23965	365	6.24060	317	6.24258	126	6.24441	287	6.24840	143	6.25025	236	6.25204	244	6.25471	67	6.25641	322	6.25886	321
6.23624	362	6.23752	562	6.23968	368	6.24061	315	6.24259	126	6.24442	287	6.24864	146	6.25031	228	6.25205	244	6.25472	67	6.25642	322	6.25887	321
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6.23631	362	6.23754	418	6.23970	365	6.24064	314	6.24276	126	6.24444	287	6.24866	146	6.25038	228	6.25207	244	6.25474	67	6.25644	322	6.25891	322
6.23632	362	6.23755	418	6.23971	365	6.24066	317	6.24277	126	6.24445	287	6.24867	146	6.25043	228	6.25208	244	6.25475	67	6.25645	322	6.25892	322
6.23633	362	6.23756	418	6.23972	366	6.24067	145	6.24278	126	6.24446	287	6.24873	129	6.25050	228	6.25209	244	6.25476	67	6.25646	322	6.25893	322
6.23634	363	6.23757	419	6.23973	365	6.24068	145	6.24279	126	6.24447	287	6.24911	247	6.25053	228	6.25210	244	6.25477	67	6.25657	323	6.25894	322
6.23635	363	6.23758	419	6.23974	366	6.24081	317	6.24306	561	6.24448	287	6.24912	143	6.25055	228	6.25211	244	6.25478	67	6.25658	314	6.25895	322
6.23636	365	6.23759	419	6.23975	364	6.24082	317	6.24307	561	6.24449	287	6.24913	143	6.25057	228	6.25213	244	6.25482	66	6.25681	326	6.25896	322
6.23637	365	6.23760	419	6.23976	363	6.24083	317	6.24308	561	6.24450	288	6.24915	143	6.25059	228	6.25214	244	6.25484	66	6.25682	326	6.25897	322
6.23638	365	6.23796	131	6.23977	364	6.24084	317	6.24309	561	6.24451	288	6.24916	143	6.25062	228	6.25215	244	6.25485	66	6.25683	326	6.25898	322
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6.23641	368	6.23803	131	6.23980	363	6.24087	317	6.24347	130	6.24454	288	6.24926	143	6.25123	238	6.25218	244	6.25491	376	6.25686	326	6.25930	329
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6.23646	362	6.23805	131	6.23999	364	6.24089	317	6.24358	127	6.24456	286	6.24928	143	6.25128	238	6.25226	70	6.25494	378	6.25688	326	6.25932	329
6.23647	365	6.23851	416	6.24001	316	6.24092	143	6.24359	127	6.24457	286	6.24929	144	6.25129	238	6.25229	269	6.25497	379	6.25715	316	6.25933	329
6.23648	366	6.23852	416	6.24002	316	6.24094	128	6.24378	286	6.24458	286	6.24937	144	6.25130	238	6.25230	269	6.25500	292	6.25716	316	6.25940	329
6.23649	362	6.23854	416	6.24003	316	6.24101	129	6.24379	286	6.24475	127	6.24940	325	6.25150	230	6.25231	269	6.25506	288	6.25717	316	6.25941	329
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6.23651	362	6.23856	416	6.24005	316	6.24103	128	6.24382	288	6.24478	127	6.24942	325	6.25161	243	6.25233	269	6.25508	287	6.25719	316	6.25943	329
6.23652	366	6.23857	416	6.24006	316	6.24104	128	6.24383	288	6.24480	320	6.24943	325	6.25162	243	6.25234	269	6.25528	66	6.25720	316	6.25944	329
6.23654	363	6.23858	416	6.24007	316	6.24105	128	6.24384	288	6.24481	320	6.24944	325	6.25163	243	6.25235	269	6.25580	559	6.25721	316	6.26087	146
6.23657	368	6.23859	416	6.24008	316	6.24106	128	6.24385	288	6.24482	320	6.24945	325	6.25164	243	6.25236	269	6.25585	66	6.25722	316	6.26088	146
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6.23662	366	6.23862	199	6.24020	316	6.24122	128	6.24391	126	6.24484	320	6.24947	325	6.25166	243	6.25238	269	6.25589	66	6.25727	318	6.26090	146
6.23663	366	6.23867	199	6.24021	316	6.24123	128	6.24392	126	6.24485	320	6.24958	326	6.25167	243	6.25239	269	6.25590	66	6.25728	318	6.26130	148
6.23664	370	6.23874	417	6.24022	316	6.24124	128	6.24393	126	6.24486	320	6.24959	326	6.25168	243	6.25240	269	6.25591	66	6.25729	318	6.26131	148
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6.23675	364	6.23903	369	6.24024	316	6.24136	128	6.24395	126	6.24491	320	6.24965	144	6.25170	243	6.25242	269	6.25593	66	6.25731	318	6.26133	148
6.23676	366	6.23905	369	6.24025	316	6.24137	128	6.24396	126	6.24492	320	6.24966	144	6.25171	243	6.25243	269	6.25594	66	6.25732	318	6.26134	148
6.23677	364	6.23906	369	6.24026	316	6.24138	128	6.24397	126	6.24493	320	6.24967	143	6.25172	243	6.25244	269	6.25596	66	6.25733	318	6.26135	148
6.23678	362	6.23907	370	6.24027	316	6.24139	128	6.24398	126	6.24494	320	6.24968	143	6.25173	243	6.25245	269	6.25598	328	6.25734	318	6.26136	148
6.23679	363	6.23909	370	6.24028	318	6.24140	128	6.24405	289	6.24495	321	6.24970	325	6.25174	243	6.25246	269	6.25599	328	6.25738	318	6.26137	148
6.23684	368	6.23910	141	6.24029	318	6.24141	128	6.24406	289	6.24496	321	6.24971	325	6.25175	243	6.25247	269	6.25600	324	6.25739	318	6.26138	148
6.23685	363	6.23920	362	6.24030	318	6.24142	128	6.24414	286	6.24497	321	6.24972	325	6.25176	243	6.25248	270	6.25601	328	6.25740	318	6.26139	148
6.23686	364	6.23921	362	6.24031	318	6.24143	128	6.24415	286	6.24575	555	6.24980	325	6.25177	243	6.25254	269	6.25602	328	6.25741	318	6.26140	148
6.23687	366	6.23923	363	6.24032	318	6.24144	128	6.24416	286	6.24576	555	6.24981	325	6.25178	243	6.25255	269	6.25603	324	6.25742	318	6.26141	148
6.23688	366	6.23924	365	6.24033	318	6.24145	128	6.24417	286	6.24577	555	6.24982	325	6.25179	243	6.25354	290	6.25604	324	6.25743	318	6.26142	148
6.23690	362	6.23925	365	6.24034	318	6.24207	248	6.24418	286	6.24578	555	6.24983	325	6.25180	243	6.25357	290	6.25605	324	6.25744	318	6.26143	148
6.23691	363	6.23926	365	6.24035	318	6.24208	248	6.24419	286	6.24579	70	6.24984	325	6.25181	243	6.25386	290	6.25606	324	6.25745	318	6.26144	148
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6.23693	365	6.23933	363	6.24037	315	6.24217	128	6.24421	286	6.24721	322	6.24986	326	6.25184	243	6.25388	288	6.25608	324	6.25766	320	6.26146	148
6.23694	363	6.23934	141	6.24038	145	6.24218	128	6.24422	287	6.24722	322	6.24987	326	6.25185	244	6.25389	288	6.25609	324	6.25767	320	6.26147	148
6.23695	364	6.23935	141	6.24039	145	6.24219	128	6.24423	287	6.24723	322	6.24988	326	6.25186	244	6.25390	288	6.25610	324	6.25768	320	6.26148	148
6.23696	364	6.23936	369	6.24041	315	6.24220	128	6.24424	288</														

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6.26167	127	6.26229	271	6.26334	158	6.26402	162	6.26516	253	6.26596	255	6.27097	240	6.27192	241	6.27361	140	6.27471	232	6.27651	232	6.27730	225
6.26168	127	6.26230	271	6.26335	158	6.26403	155	6.26517	253	6.26597	255	6.27098	240	6.27193	241	6.27362	140	6.27473	232	6.27652	232	6.27731	225
6.26169	127	6.26231	271	6.26337	158	6.26404	155	6.26518	253	6.26598	255	6.27100	247	6.27200	242	6.27389	233	6.27474	232	6.27653	232	6.27732	225
6.26170	127	6.26232	271	6.26338	158	6.26405	165	6.26519	253	6.26599	255	6.27104	248	6.27202	242	6.27391	233	6.27476	232	6.27654	232	6.27733	225
6.26171	127	6.26233	271	6.26339	158	6.26406	165	6.26520	253	6.26600	256	6.27107	188	6.27224	233	6.27392	233	6.27478	232	6.27655	232	6.27734	225
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6.26173	268	6.26235	271	6.26341	158	6.26408	165	6.26522	254	6.26603	256	6.27112	240	6.27226	233	6.27394	233	6.27487	232	6.27657	232	6.27736	225
6.26174	268	6.26236	271	6.26344	158	6.26409	165	6.26523	254	6.26604	256	6.27115	237	6.27227	233	6.27395	233	6.27490	232	6.27658	232	6.27737	225
6.26175	268	6.26237	271	6.26345	158	6.26410	165	6.26524	254	6.26605	256	6.27116	237	6.27228	233	6.27396	233	6.27491	232	6.27659	232	6.27738	225
6.26176	268	6.26238	271	6.26346	158	6.26413	170	6.26525	254	6.26606	256	6.27119	240	6.27229	233	6.27399	233	6.27492	232	6.27661	232	6.27739	225
6.26177	268	6.26239	271	6.26347	158	6.26414	170	6.26526	254	6.26607	256	6.27120	240	6.27230	233	6.27401	230	6.27493	232	6.27662	232	6.27740	225
6.26178	268	6.26243	272	6.26348	158	6.26415	153	6.26527	254	6.26608	255	6.27121	240	6.27238	223	6.27402	230	6.27514	229	6.27664	232	6.27741	225
6.26179	268	6.26244	272	6.26349	158	6.26416	153	6.26528	254	6.26609	255	6.27122	240	6.27240	69	6.27403	230	6.27515	229	6.27665	232	6.27742	225
6.26180	268	6.26245	272	6.26350	158	6.26417	153	6.26529	254	6.26610	255	6.27124	237	6.27241	69	6.27404	230	6.27516	229	6.27667	232	6.27743	225
6.26181	268	6.26279	174	6.26351	158	6.26430	414	6.26530	254	6.26611	256	6.27125	237	6.27242	69	6.27405	230	6.27517	229	6.27679	232	6.27744	225
6.26182	268	6.26280	174	6.26352	158	6.26431	414	6.26531	254	6.26614	255	6.27126	237	6.27243	234	6.27409	233	6.27518	229	6.27680	234	6.27745	225
6.26183	268	6.26281	174	6.26353	158	6.26432	415	6.26532	254	6.26616	255	6.27127	237	6.27244	234	6.27410	233	6.27519	229	6.27681	234	6.27746	225
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6.26185	268	6.26283	174	6.26355	158	6.26434	414	6.26534	254	6.26620	255	6.27129	237	6.27246	234	6.27423	233	6.27523	237	6.27683	234	6.27748	225
6.26186	268	6.26284	174	6.26356	158	6.26435	415	6.26535	254	6.26622	255	6.27130	237	6.27247	234	6.27426	233	6.27524	237	6.27684	234	6.27749	225
6.26187	268	6.26285	174	6.26357	158	6.26436	415	6.26536	254	6.26623	255	6.27131	237	6.27256	69	6.27427	233	6.27525	237	6.27687	234	6.27750	225
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6.26189	268	6.26287	174	6.26359	158	6.26438	415	6.26538	254	6.26625	256	6.27133	237	6.27259	69	6.27429	233	6.27527	237	6.27689	234	6.27752	226
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6.26191	268	6.26289	174	6.26361	158	6.26440	414	6.26540	254	6.26627	256	6.27135	237	6.27265	68	6.27431	229	6.27534	234	6.27692	234	6.27754	226
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6.26193	268	6.26291	175	6.26363	158	6.26442	414	6.26542	253	6.26701	556	6.27137	237	6.27275	68	6.27433	229	6.27536	234	6.27694	234	6.27756	226
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6.26196	268	6.26294	175	6.26366	159	6.26445	414	6.26545	253	6.26704	557	6.27140	237	6.27311	238	6.27437	229	6.27539	234	6.27697	232	6.27759	226
6.26197	268	6.26295	175	6.26367	159	6.26446	414	6.26546	255	6.26705	558	6.27141	237	6.27312	238	6.27438	229	6.27544	234	6.27698	232	6.27760	226
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6.26202	270	6.26300	174	6.26372	154	6.26460	75	6.26554	253	6.27001	242	6.27146	237	6.27317	239	6.27443	229	6.27583	238	6.27703	225	6.27765	226
6.26203	270	6.26301	174	6.26373	154	6.26461	75	6.26555	255	6.27002	242	6.27147	237	6.27318	239	6.27444	229	6.27584	238	6.27704	225	6.27766	226
6.26204	270	6.26302	174	6.26374	155	6.26462	75	6.26571	254	6.27003	242	6.27148	237	6.27319	239	6.27445	229	6.27585	238	6.27705	225	6.27767	226
6.26205	270	6.26303	174	6.26375	155	6.26463	75	6.26572	254	6.27004	242	6.27150	237	6.27320	239	6.27446	229	6.27586	238	6.27706	225	6.27768	226
6.26206	271	6.26304	174	6.26376	155	6.26464	75	6.26573	254	6.27005	242	6.27151	560	6.27321	239	6.27447	229	6.27587	238	6.27707	225	6.27769	226
6.26207	271	6.26305	174	6.26377	155	6.26470	75	6.26574	254	6.27006	242	6.27152	560	6.27322	239	6.27448	229	6.27588	238	6.27708	225	6.27770	226
6.26208	271	6.26306	174	6.26378	159	6.26471	75	6.26575	254	6.27007	242	6.27153	560	6.27323	239	6.27449	229	6.27589	238	6.27709	225	6.27771	226
6.26209	271	6.26307	174	6.26379	159	6.26482	75	6.26576	254	6.27008	242	6.27154	560	6.27324	239	6.27450	229	6.27590	238	6.27710	225	6.27772	226
6.26210	271	6.26308	174	6.26380	159	6.26483	75	6.26577	254	6.27009	242	6.27156	560	6.27325	239	6.27451	229	6.27591	238	6.27711	225	6.27773	226
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6.26212	271	6.26310	174	6.26382	159	6.26487	75	6.26579	254	6.27012	242	6.27158	239	6.27327	239	6.27454	229	6.27593	238	6.27713	225	6.27775	226
6.26213	271	6.26311	175	6.26383	159	6.26500	253	6.26580	254	6.27013	242	6.27159	239	6.27328	239	6.27455	229	6.27594	238	6.27714	225	6.27776	226
6.26214	271	6.26312	175	6.26384	159	6.26501	253	6.26581	254	6.27037	243	6.27160	239	6.27329	239	6.27456	229	6.27595	238	6.27715	225	6.27777	226
6.26215	271	6.26313	175	6.26386	159	6.26502	253	6.26582															

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6.27792	226	6.27976	228	6.28044	348	6.28131	135	6.28223	350	6.28335	186	6.28397	187	6.29067	199	6.30312	401	6.30551	248	6.30829	249	6.31093	376
6.27795	226	6.27977	228	6.28045	349	6.28132	135	6.28224	349	6.28336	186	6.28398	187	6.29068	199	6.30313	406	6.30552	248	6.30867	402	6.31094	378
6.27800	226	6.27978	228	6.28046	349	6.28133	135	6.28225	349	6.28337	186	6.28399	187	6.29069	199	6.30314	402	6.30553	248	6.30868	403	6.31095	376
6.27805	226	6.27980	228	6.28047	349	6.28134	135	6.28226	350	6.28338	186	6.28400	187	6.29088	198	6.30316	249	6.30554	248	6.30885	391	6.31096	376
6.27810	226	6.27981	228	6.28048	349	6.28135	135	6.28227	349	6.28339	186	6.28401	184	6.29089	198	6.30317	402	6.30560	290	6.30886	391	6.31097	378
6.27815	226	6.27982	228	6.28049	349	6.28136	135	6.28228	349	6.28340	186	6.28402	183	6.29090	198	6.30320	402	6.30566	338	6.30887	391	6.31098	379
6.27820	226	6.27983	228	6.28051	349	6.28139	135	6.28229	349	6.28341	183	6.28403	185	6.29091	198	6.30321	403	6.30570	389	6.30888	338	6.31110	187
6.27852	227	6.27984	228	6.28053	349	6.28141	136	6.28230	347	6.28342	183	6.28404	185	6.29092	198	6.30322	402	6.30571	389	6.30889	391	6.31111	187
6.27857	227	6.27985	228	6.28054	349	6.28142	136	6.28240	380	6.28343	183	6.28405	185	6.29093	198	6.30323	403	6.30572	389	6.30891	391	6.31112	187
6.27862	227	6.27986	236	6.28055	349	6.28143	136	6.28241	380	6.28344	183	6.28800	547	6.29094	198	6.30324	403	6.30573	389	6.30897	402	6.31114	329
6.27867	227	6.27987	236	6.28056	349	6.28144	136	6.28242	380	6.28345	183	6.28801	547	6.29095	198	6.30325	405	6.30574	389	6.30898	402	6.31120	380
6.27872	227	6.27988	236	6.28057	349	6.28145	136	6.28243	380	6.28346	183	6.28802	546	6.29096	199	6.30326	406	6.30576	389	6.30901	389	6.31122	380
6.27874	227	6.27989	236	6.28058	349	6.28146	136	6.28244	380	6.28347	183	6.28806	499	6.29097	199	6.30327	141	6.30577	389	6.30902	389	6.31125	378
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6.27897	227	6.28000	350	6.28077	350	6.28160	134	6.28255	377	6.28358	183	6.28821	542	6.30002	387	6.30360	333	6.30632	198	6.30936	332	6.31156	314
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6.27910	227	6.28004	347	6.28081	350	6.28166	134	6.28258	378	6.28361	183	6.28831	297	6.30005	387	6.30373	139	6.30635	198	6.30939	332	6.31166	140
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6.27922	227	6.28007	347	6.28084	350	6.28169	135	6.28262	377	6.28364	183	6.28834	297	6.30022	387	6.30386	139	6.30638	198	6.30942	332	6.31169	315
6.27924	227	6.28008	347	6.28085	350	6.28170	135	6.28263	377	6.28365	184	6.28835	297	6.30051	256	6.30387	139	6.30648	290	6.30976	188	6.31211	352
6.27927	227	6.28009	347	6.28087	350	6.28171	135	6.28264	381	6.28366	184	6.28836	290	6.30069	67	6.30388	139	6.30649	70	6.30977	188	6.31213	333
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6.27942	227	6.28012	347	6.28091	350	6.28174	135	6.28267	376	6.28369	184	6.28840	291	6.30073	67	6.30442	291	6.30657	198	6.30992	275	6.31219	314
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6.27947	228	6.28017	347	6.28102	348	6.28182	136	6.28302	138	6.28374	183	6.28845	291	6.30119	333	6.30477	272	6.30714	188	6.31005	329	6.31225	314
6.27948	228	6.28018	347	6.28105	348	6.28183	136	6.28303	138	6.28375	184	6.28846	291	6.30120	333	6.30478	275	6.30715	188	6.31006	329	6.31226	316
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6.27950	228	6.28020	347	6.28108	348	6.28185	136	6.28305	138	6.28377	184	6.28848	481	6.30142	290	6.30486	559	6.30726	124	6.31008	329	6.31228	316
6.27951	228	6.28021	347	6.28109	348	6.28186	136	6.28306	138	6.28378	184	6.28849	289	6.30148	70	6.30488	276	6.30727	124	6.31019	352	6.31229	316
6.27952	228	6.28022	347	6.28110	348	6.28187	136	6.28307	138	6.28379	187	6.28850	289	6.30187	186	6.30489	276	6.30728	124	6.31020	352	6.31230	316
6.27953	228	6.28023	347	6.28111	134	6.28190	136	6.28308	138	6.28380	187	6.28851	290	6.30189	186	6.30519	269	6.30777	198	6.31031	352	6.31231	316
6.27954	228	6.28024	347	6.28112	134	6.28192	136	6.28309	138	6.28381	187	6.28860	495	6.30191	186	6.30526	269	6.30778	198	6.31032	329	6.31232	317
6.27955	228	6.28025	347	6.28113	134	6.28193	136	6.28310	138	6.28382	187	6.28861	495	6.30192	186	6.30527	269	6.30779	198	6.31033	329	6.31233	319
6.27957	228	6.28030	348	6.28114	134	6.28194	136	6.28311	138	6.28383	187	6.28862	495	6.30194	186	6.30528	269	6.30784	198	6.31034	329	6.31235	327
6.27958	228	6.28031	348	6.28115	134	6.28195	136																

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6.31337	401	6.31553	287	6.31749	67	6.31849	269	6.31957	299	6.36225	219	6.90078	565	0250750013	522	0901026653	513	0901054932	511	0903061235	541	0910059831	453
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6.31345	406	6.31555	287	6.31752	401	6.31851	269	6.31959	299	6.36227	219	6.90081	565	0250800000	520	0901026777	516	0901054959	511	0903061251	540	0910063553	453
6.31348	405	6.31556	287	6.31753	406	6.31852	269	6.31963	299	6.36241	219	6.90083	564	0250800002	521	0901026807	516	0901054967	511	0903061260	539	0910063570	450
6.31349	405	6.31557	286	6.31754	405	6.31853	269	6.31964	299	6.36242	219	6.90084	564	0251200009	522	0901026815	503	0901054975	512	0903061278	539	0910063707	449
6.31360	146	6.31558	286	6.31757	405	6.31854	269	6.31965	299	6.36243	219	6.90085	565	0251300000	520	0901026858	499	0901054983	516	0903061294	543	0910063952	453
6.31362	401	6.31559	286	6.31758	327	6.31855	269	6.31966	299	6.36321	220	6.90086	564	0251400000	524	0901026866	499	0901054991	516	0903061316	545	0910064312	449
6.31363	402	6.31560	289	6.31780	268	6.31856	269	6.31967	406	6.36322	220	6.90101	567	0251500000	525	0901026882	499	0901055769	503	0903061340	542	0910064347	449
6.31364	402	6.31561	289	6.31785	268	6.31857	67	6.31968	279	6.36323	220	6.90103	566	0251600000	524	0901026904	499	0901055939	499	0903061359	542	0910064363	449
6.31365	402	6.31567	332	6.31788	269	6.31858	67	6.31980	328	6.36333	220	6.90104	566	0251800000	525	0901031517	513	0901055947	499	0903061367	542	0910064371	451
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6.31382	417	6.31584	316	6.31793	269	6.31865	336	6.31984	379	6.36342	220	6.90106	566	0901008540	506	0901053715	495	0901055963	499	0903061677	546	0910064410	451
6.31387	275	6.31585	316	6.31794	269	6.31866	268	6.31985	379	6.36343	220	6.90106	566	0901010021	297	0901053723	495	0901056048	511	0903061685	546	0910064592	452
6.31388	275	6.31586	316	6.31797	269	6.31868	268	6.31986	379	6.36351	220	6.90425	567	0901013047	486	0901053731	495	0901056056	511	0903063122	538	0910064606	452
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6.31397	417	6.31588	316	6.31801	269	6.31879	268	6.31989	377	6.36356	220	0090025118	456	0901017239	507	0901053758	495	0901056161	511	0903063149	538	0910065165	452
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6.31470	380	6.31632	332	6.31815	270	6.31918	381	6.35054	221	6.36612	220	0103150018	432	0901026025	514	0901053880	495	0901063796	508	0909029252	460	0911030748	464
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6.31521	286	6.31710	271	6.31829	268	6.31934	406	6.35133	222	6.85030	58	0130170100	408	0901026203	514	0901054258	514	0903016450	544	0909057191	460	0913014634	410
6.31522	286	6.31711	271	6.31830	269	6.31935	405	6.35143	222	6.85031	58	0130200100	409	0901026220	515	0901054266	514	0903018410	546	0909060257	460	0913017617	410
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6.31526	286	6.3																					

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