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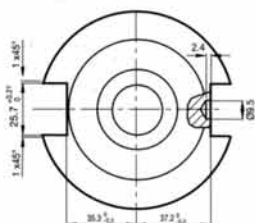
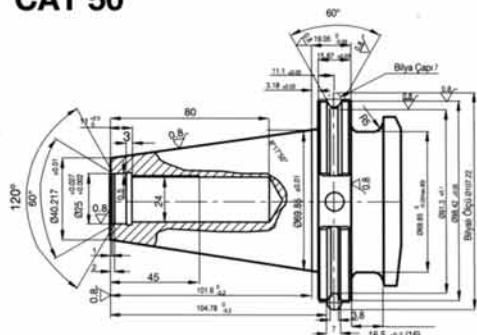




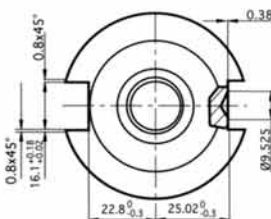
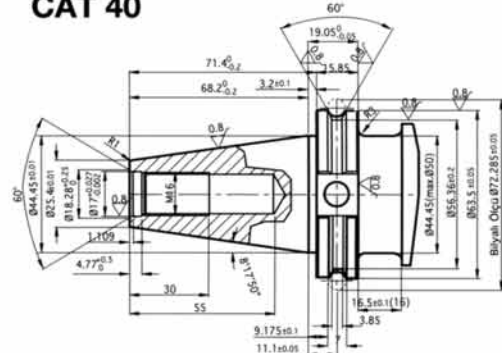
ISO, DIN and MAS shaft dimension ISO, DIN ve MAS şaft ölçüleri

CAT

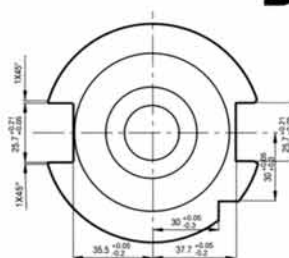
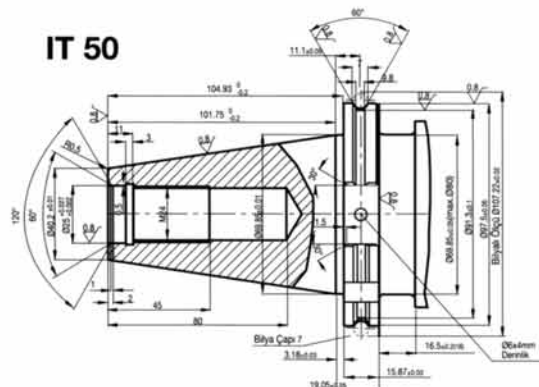
CAT 50



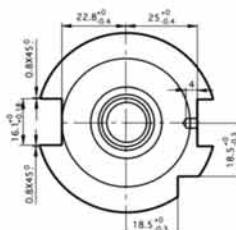
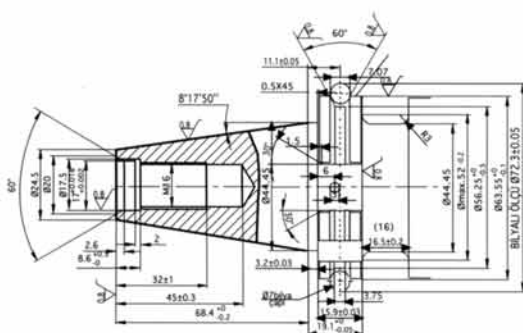
CAT 40



IT 50



IT 40



Code No Examples Kod No Örnekleri

IT 50 - C 32 - 105

The length from
references surface
Referans
yüzeyinden
uzunluk

Diameter
Çap

Tool Type
Takım Cinsi

Shaft Conic No

Şaft Konik No

30 ISO 30

40 ISO 40

50 ISO 50

Symbol ISO, DIN, MAS, ISO

Sembol ISO, DIN, MAS, ISO

IT : ISO

CAT : DIN

BT : MAS

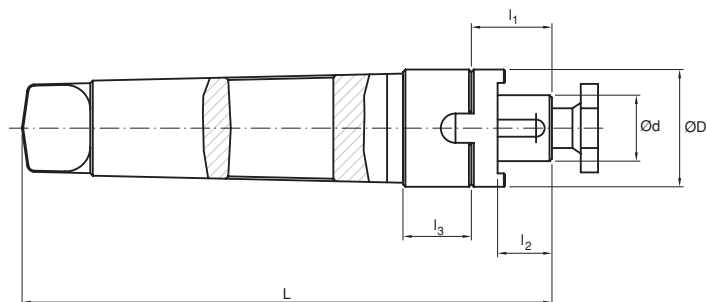
ISO : ISO 2080

DIN 69871



Morse conical shaft milling adaptor DIN 2087/6362

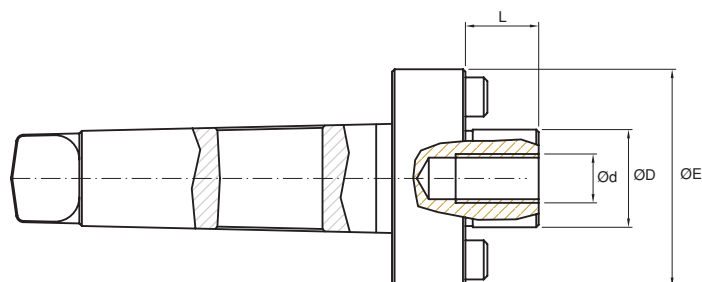
Mors konik şaft freze adaptörü DIN 2087/6362



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		ØD	Ød	L	l ₁	l ₂	l ₃	MK
X 06 K - 01	○	32	16	166	27	17	15	4
X 06 K - 02	○	40	22	168	31	19	13	4
X 06 K - 03	○	48	27	170	33	21	13	4
X 06 K - 04	○	58	32	173	38	24	11	4
X 06 K - 05	○	70	40	176	41	27	11	4
X 06 K - 06	○	40	22	215	31	19	28	5
X 06 K - 07	○	48	27	217	33	21	28	5
X 06 K - 08	○	58	32	220	38	24	26	5
X 06 K - 09	○	70	40	223	41	27	26	5
X 06 K - 10	○	90	50	226	46	30	24	5
X 06 K - 11	○	48	27	295	33	21	28	6
X 06 K - 12	○	58	32	298	38	24	26	6
X 06 K - 13	○	70	40	324	41	27	26	6
X 06 K - 14	○	90	50	327	46	30	24	6
X 06 K - 15	○	110	60	347	66	50	24	6
X 06 K - 16	○	48	27	308	33	21	28	metr.80
X 06 K - 17	○	58	32	311	38	24	26	metr.80
X 06 K - 18	○	70	40	314	41	27	26	metr.80
X 06 K - 19	○	90	50	342	46	30	24	metr.80
X 06 K - 20	○	110	60	362	66	50	24	metr.80

Morse conical shaft cutter malafa

Mors konik şaft freze malafası



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm				
		ØE	ØD (h6)	Ød	L	MK
X 08 - 01	○	69.832	32	M16	30	5
X 08 - 02	○	88.832	40	M20	30	5
X 08 - 03	○	128.57	60	M30	40	5
X 08 - 04	○	88.832	40	M20	30	6
X 08 - 05	○	128.57	60	M30	40	6
X 08 - 06	○	88.832	40	M20	30	metr.80
X 08 - 07	○	128.57	60	M30	40	metr.80

V-Canal tool shafts (ISO and DIN)
V-Kanallı takım şaftları (ISO ve DIN)



Muadil örnekleri / Equivalent samples

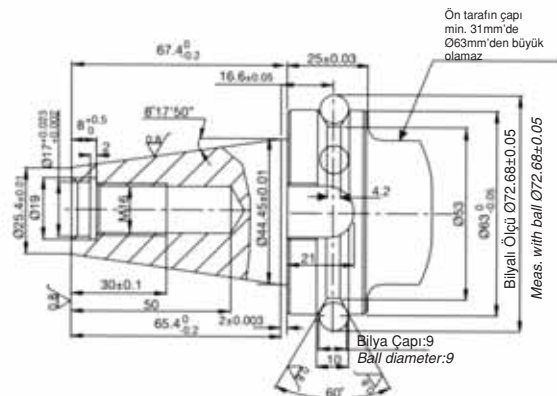
ISO ve DIIN standartlarında takım Şaftlarının standart içindeki şekil ve ölçüleri ile ifade edildikleri ana kod noları ve mukayese tablo ve tanımlamaları.

The basic code numbers which means form and measurement of shafts in standard and comparison table and definitions of tool shafts in ISO DIN standards.

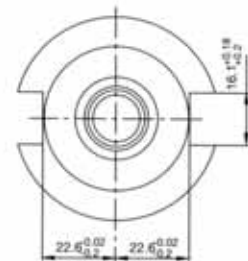
	MAS Code No. MAS Kod No.	MAS Code No. MAS Kod No.	ISO Code No. ISO Kod No.	Page Sayfa
<i>Head Pliers</i> Pens Kafalar	BT50-C 32-105	CAT50-C 32-105	IT50-C 32-105	...
<i>Screwed Clamps</i> Cida Çektirmeli Tutucular	BT45-MTA 3-75	CAT45-MTA 3-75	IT45-MTA 3-75	...
<i>Box Holders</i> Bara Tutucular	BT40-BCB 39-150	CAT40-BCB 38-150	IT40-BCB 38-150	...

MAS

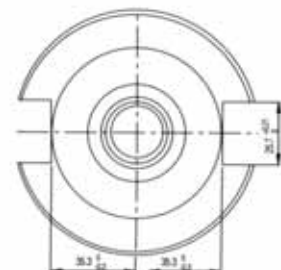
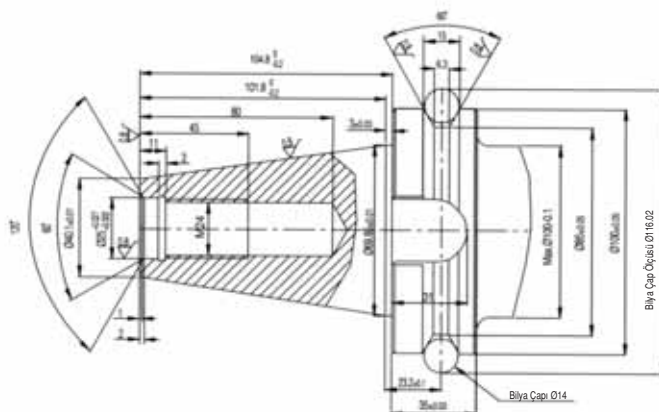
BT 40



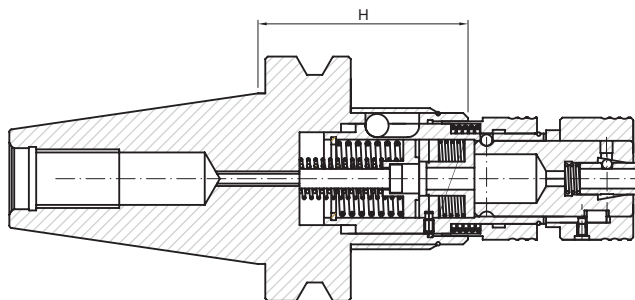
Ön tarafın çapı
min. 31mm'de
Ø63mm'den büyük



BT 50



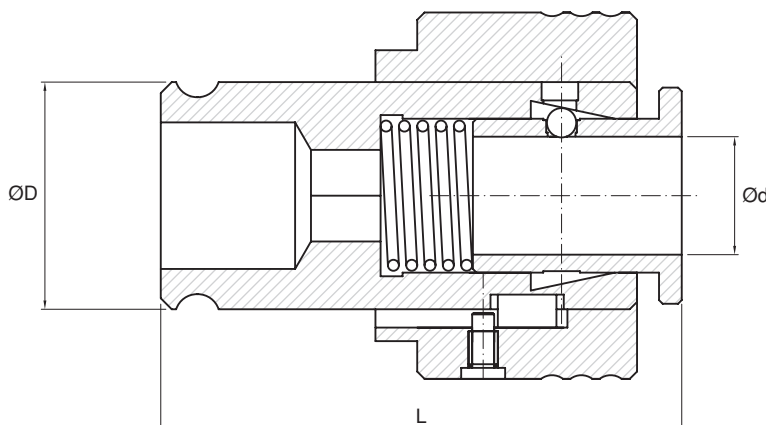
Complete guide forming adaptor Komple kılavuz çekme adaptörü



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm	
		H	
BT40 TKÇB 31 95 (M4.5 - M20)	○	95	
BT50 TKÇB 31 95 (M4.5 - M20)	○	95	
CAT40 TKÇB 31 95 (M4.5 - M20)	○	95	
CAT50 TKÇB 31 95 (M4.5 - M20)	○	95	
IT40 TKÇB 31 95 (M4.5 - M20)	○	95	
IT50 TKÇB 31 95 (M4.5 - M20)	○	95	
D40 TKÇB 31 95 (M4.5 - M20)	○	95	
D50 TKÇB 31 95 (M4.5 - M20)	○	95	
VDI40 TKÇB 31 95 (M4.5 - M20)	○	95	



Guide forming head Kılavuz çekme başlığı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm		
		ØD	Ød	L
TKÇB A 6.1	○	31	6.1	69.6
TKÇB A 7.1	○	31	7.1	69.6
TKÇB A 8.1	○	31	8.1	69.6
TKÇB A 9.1	○	31	9.1	69.6
TKÇB A 10.1	○	31	10.1	69.6
TKÇB A 11.1	○	31	11.1	69.6
TKÇB A 12.1	○	31	12.1	69.6
TKÇB A 14.1	○	31	14.1	69.6
TKÇB A 16.1	○	31	16.1	69.6
TKÇB A 18.1	○	31	18.1	69.6

“ER” PLIERS HOLDER SYSTEMS “ER” PENS TUTUCU SİSTEMLERİ

KESİCİ TAKIMIN DÖNÜŞÜNDE
MAKSİMUM SALGI HASSASIYETİ
MAXIMUM OUTBREAK SENSITIVITY
DURING ROTATION OF CUTTING TOOL

mükemmel sıkma kuvveti
%50-100 daha fazla
Perfect power clamping more than 50-100%



ER KOLET SOMUNU
ER KOLET BOLT PIN

mükemmel
balans
ve hassasiyet
Perfect balance
and sensitivity

1 mm'ye kadar
sıkma özelliği
Clamping
up to 1mm



ER KOLET

süper hassas
dış çap salgi
hassasiyeti
 ± 0.05 mm
super sensitivity
external diameter
outbreak ± 0.05 mm

DIN 6499
standartlarına
göre kompakt
dizayn
According to
DIN 6499
compact design



ER KOLET TUTUCU
ER KOLET HOLDER

konik shaft hassasiyeti
DIN 2080 AT3'e göre
%85 temas özelliğinde
Conical shaft sensitivity
according to DIN 2080 AT3
85% contact specification

süper yüzey
kalitesi
hassasiyeti
Ra 16 μ
super surface
quality sensitivity
Ra16 μ



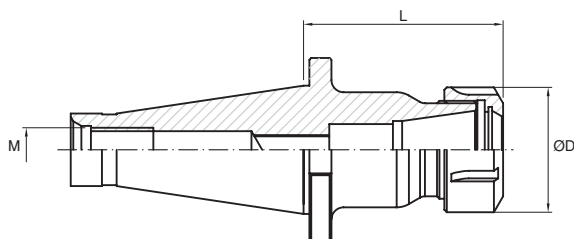
PUL STUD

hassas işlenmiş
yüzey kalitesi
sensitively processed
surface quality



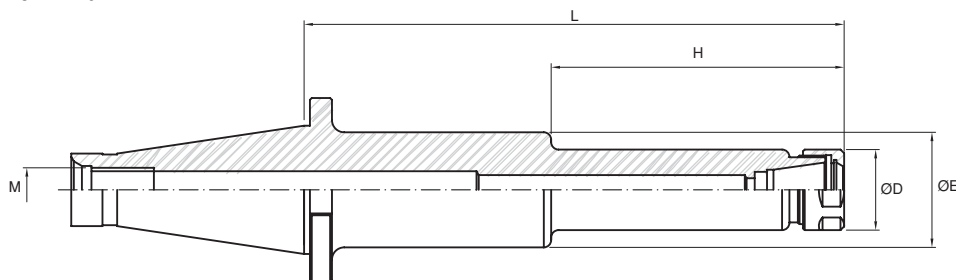
Super Holder "ER" type ISO Standard plier holders
Süper holder "ER" tipi ISO standart pensli tutucular

ER25 - ER32



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	ØD	M
ISO30 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M12
ISO40 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M16
ISO40 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M16
ISO40 ER32 75	○	ER32	TM 32 FM	3.0 - 20.0	75	50	M16
ISO50 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M24
ISO50 ER32 105	○	ER32	TM 32 FM	3.0 - 20.0	105	50	M24

ER16 - ER20



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	H	ØD	ØE	M
ISO30 ER16 75	○	ER16	TM 16 FM	1.0 - 10.0	75	55	30	40	M12
ISO40 ER16 75	○	ER16	TM 16 FM	1.0 - 10.0	75	55	30	40	M16
ISO40 ER16 105	○	ER16	TM 16 FM	1.0 - 10.0	105	75	30	40	M16
ISO40 ER20 75	○	ER20	TM 20 FM	1.0 - 13.0	75	55	34	45	M16
ISO50 ER20 105	○	ER20	TM 20 FM	1.0 - 13.0	105	75	34	45	M24
ISO50 ER20 125	○	ER20	TM 20 FM	1.0 - 13.0	125	85	34	45	M24

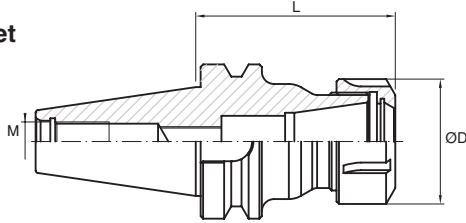
Super "ER" Plier Holders (Japan Standard)
Süper "ER" pensli tutucular BT-MAS 403-82
(Japan standardı)

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



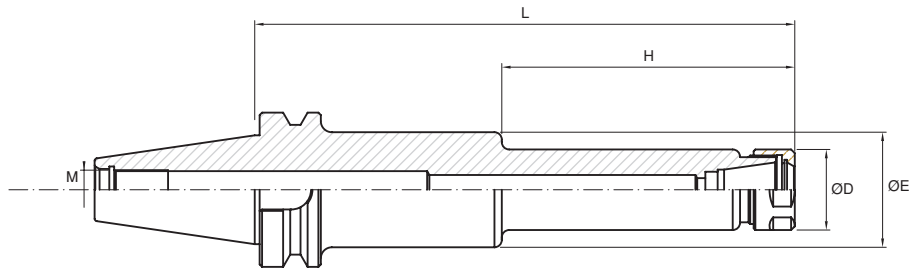
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	ØD	M
BT40 ER20 75	○	ER20	TM 20 FM	1.0 - 13.0	75	34	M16
BT40 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M16
BT40 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M16
BT50 ER20 75	○	ER20	TM 20 FM	1.0 - 13.0	75	34	M24
BT50 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M24
BT50 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M24
BT50 ER32 105	○	ER32	TM 32 FM	3.0 - 20.0	105	50	M24

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	H	ØD	ØE	M
BT40 ER16 105	○	ER16	TM 16 FM	1.0 - 10.0	105	85	30	40	M16
BT40 ER16 150	○	ER16	TM 16 FM	1.0 - 10.0	150	100	30	40	M16
BT40 ER20 150	○	ER20	TM 20 FM	1.0 - 13.0	150	100	34	45	M16
BT50 ER16 105	○	ER16	TM 16 FM	1.0 - 10.0	105	85	30	40	M24
BT50 ER16 150	○	ER16	TM 16 FM	1.0 - 10.0	150	100	30	40	M24
BT50 ER20 150	○	ER20	TM 20 FM	1.0 - 13.0	150	100	34	45	M24
BT50 ER25 150	○	ER25	TM 25 FM	2.0 - 16.0	150	100	42.5	55	M24

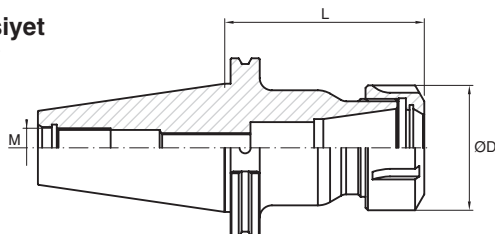
Super "ER" type plier holders in Caterpillar standard Süper "ER" tipi pensli tutucular Caterpillar standart (A.N.S.I.) CAT series

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



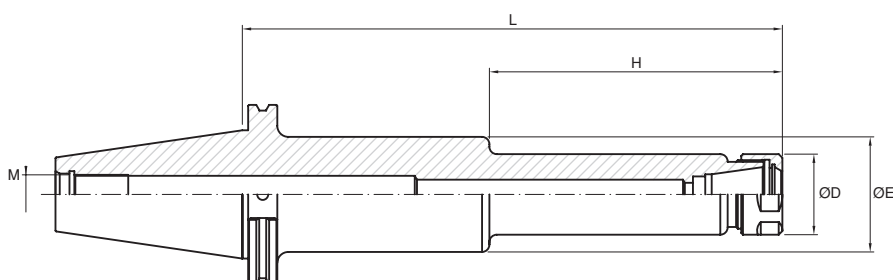
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	ØD	M
CAT40 ER20 75	○	ER20	TM 20 FM	1.0 - 13.0	75	34	M16
CAT40 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M16
CAT40 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M16
CAT50 ER20 75	○	ER20	TM 20 FM	1.0 - 13.0	75	34	M24
CAT50 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M24
CAT50 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M24
CAT50 ER32 105	○	ER32	TM 32 FM	3.0 - 20.0	105	50	M24

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	H	ØD	ØE	M
CAT40 ER16 105	○	ER16	TM 16 FM	1.0 - 10.0	105	85	30	40	M16
CAT40 ER16 150	○	ER16	TM 16 FM	1.0 - 10.0	150	100	30	40	M16
CAT40 ER20 150	○	ER20	TM 20 FM	1.0 - 13.0	150	100	34	45	M16
CAT50 ER16 105	○	ER16	TM 16 FM	1.0 - 10.0	105	85	30	40	M24
CAT50 ER16 150	○	ER16	TM 16 FM	1.0 - 10.0	150	100	30	40	M24
CAT50 ER20 150	○	ER20	TM 20 FM	1.0 - 13.0	150	100	34	45	M24
CAT50 ER25 150	○	ER25	TM 25 FM	2.0 - 16.0	150	100	42.5	55	M24

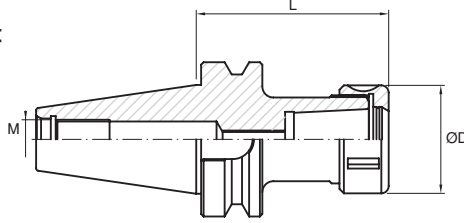
*DIN 6388 "N" type plier holders BT-MAS 403-82
(Japan Standard) shaft*
**DIN 6388 "N" tipi pens tutucuları BT-MAS 403-82
(Japon standardı) şaft**

High Precision

Using possibility up
to 20.000 rotation

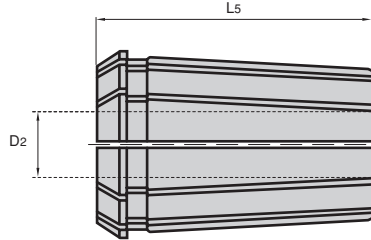
Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	ØD	M
BT40 PK25 75	○	PK25	TM 225 FM	4.0 - 25.0	75	60	M16
BT40 PK25 105	○	PK25	TM 225 FM	4.0 - 25.0	105	60	M16
BT50 PK25 75	○	PK25	TM 225 FM	4.0 - 25.0	75	60	M24
BT50 PK25 105	○	PK25	TM 225 FM	4.0 - 25.0	105	60	M24
BT50 PK32 105	○	PK32	TM 432 FM	4.0 - 32.0	105	74	M24

DIN 6388 sensitive "N" holder pliers
DIN 6388 hassas "N" tutucu pensleri



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm	
		ØD ₂	L ₅
PK25-4	○	4	52
PK25-5	○	5	52
PK25-6	○	6	52
PK25-7	○	7	52
PK25-8	○	8	52
PK25-9	○	9	52
PK25-10	○	10	52
PK25-11	○	11	52
PK25-12	○	12	52
PK25-13	○	13	52
PK25-14	○	14	52
PK25-15	○	15	52
PK25-16	○	16	52
PK25-18	○	18	52
PK25-20	○	20	52
PK25-25	○	28	52

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm	
		ØD ₂	L ₅
PK32-4	○	4	60
PK32-5	○	5	60
PK32-6	○	6	60
PK32-7	○	7	60
PK32-8	○	8	60
PK32-9	○	9	60
PK32-10	○	10	60
PK32-11	○	11	60
PK32-12	○	12	60
PK32-13	○	13	60
PK32-14	○	14	60
PK32-15	○	15	60
PK32-16	○	16	60
PK32-18	○	18	60
PK32-20	○	20	60
PK32-32	○	25	60
PK32-30	○	30	60
PK32-32	○	32	60

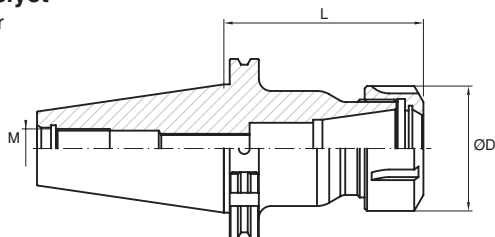
**Super “ER” type plier holders and
DIN 69871-A and B series shaft
Süper “ER” tipi pensli tutucular
DIN 69871-A ve B seri şaftlı**

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



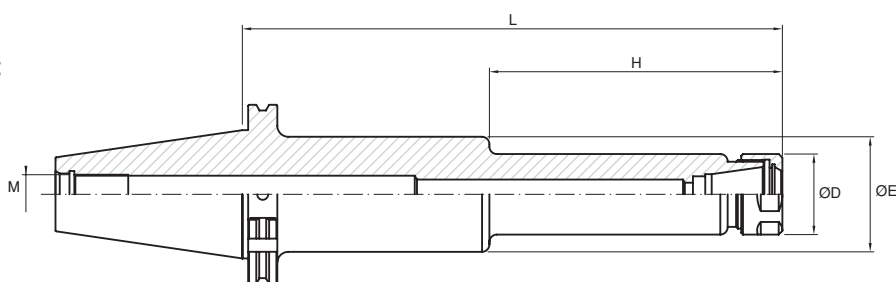
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	ØD	M
IT40 ER20 75	○	ER20	TM 20 FM	1.0 - 13.0	75	34	M16
IT40 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M16
IT40 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M16
IT50 ER20 75	○	ER20	TM 20 FM	1.0 - 13.0	75	34	M24
IT50 ER25 75	○	ER25	TM 25 FM	2.0 - 16.0	75	42.5	M24
IT50 ER25 105	○	ER25	TM 25 FM	2.0 - 16.0	105	42.5	M24
IT50 ER32 105	○	ER32	TM 32 FM	3.0 - 20.0	105	50	M24

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	H	ØD	ØE	M
IT40 ER16 105	○	ER16	TM 16 FM	1.0 - 10.0	105	85	30	40	M16
IT40 ER16 150	○	ER16	TM 16 FM	1.0 - 10.0	150	100	30	40	M16
IT40 ER20 150	○	ER20	TM 20 FM	1.0 - 13.0	150	100	34	45	M16
IT50 ER16 105	○	ER16	TM 16 FM	1.0 - 10.0	105	85	30	40	M24
IT50 ER16 150	○	ER16	TM 16 FM	1.0 - 10.0	150	100	30	40	M24
IT50 ER20 150	○	ER20	TM 20 FM	1.0 - 13.0	150	100	34	45	M24
IT50 ER25 150	○	ER25	TM 25 FM	2.0 - 16.0	150	100	42.5	55	M24

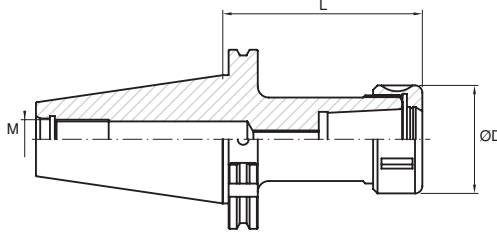
DIN 6388 “N” type plier holders DIN 69871-A standard shaft
DIN 6388 “N” tipi pens tutucuları DIN 69871-A standart şaft

High Precision

Using possibility up
to 20.000 rotation

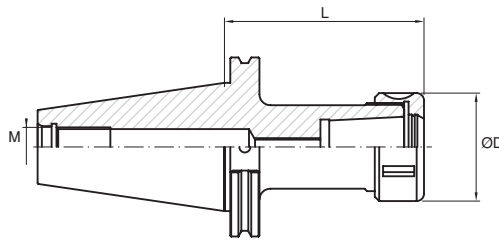
Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	ØD	M
IT40 PK25 75	○	PK25	TM 225 FM	4.0 - 25.0	75	60	M16
IT40 PK25 105	○	PK25	TM 225 FM	4.0 - 25.0	105	60	M16
IT50 PK25 75	○	PK25	TM 225 FM	4.0 - 25.0	75	60	M24
IT50 PK25 105	○	PK25	TM 225 FM	4.0 - 25.0	105	60	M24
BT50 PK32 105	○	PK32	TM 432 FM	4.0 - 32.0	105	74	M24

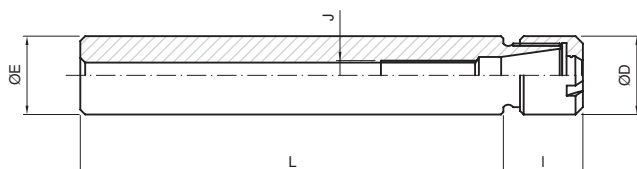
DIN 6388 “N” type plier holder Caterpillar (A.N.S.I.) CAT standard shaft
DIN 6388 “N” tipi pens tutucuları Caterpillar (A.N.S.I.) CAT standart şaft



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	ØD	M
CAT40 PK25 75	○	PK25	TM 225 FM	4.0 - 25.0	75	60	M16
CAT40 PK25 105	○	PK25	TM 225 FM	4.0 - 25.0	105	60	M16
CAT50 PK25 75	○	PK25	TM 225 FM	4.0 - 25.0	75	60	M24
CAT50 PK25 105	○	PK25	TM 225 FM	4.0 - 25.0	105	60	M24
CAT50 PK32 105	○	PK32	TM 432 FM	4.0 - 32.0	105	74	M24

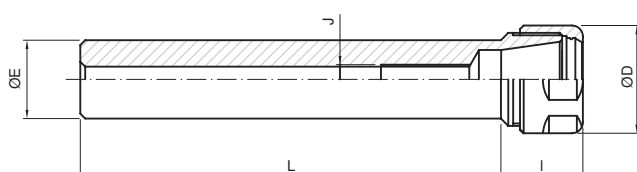
Super holder "ER" type weldon shaft plier holders
Süper holder "ER" tipi veldon şaft pensli tutucular

ER11 - ER20



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		ØE	Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	I	ØD	J
VS16 ER11 105	○	16	ER11	TM 11 FM	1.0 - 6.0	105	25	16	M8
VS20 ER11 150	○	20	ER11	TM 11 FM	1.0 - 6.0	150	25	16	M8
VS16 ER16 105	○	16	ER16	TM 16 FM	1.0 - 10.0	105	32	23	M10
VS20 ER16 150	○	20	ER16	TM 16 FM	1.0 - 10.0	150	32	23	M10
VS20 ER20 105	○	20	ER20	TM 20 FM	1.0 - 13.0	105	38	28	M12
VS20 ER20 150	○	20	ER20	TM 20 FM	1.0 - 13.0	150	38	28	M12

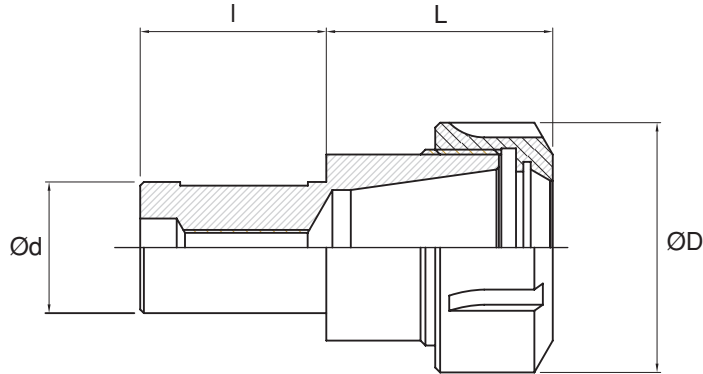
ER11 - ER20



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		ØE	Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	I	ØD	J
VS20 ER11 105	○	20	ER11	TM 11 FM	1.0 - 6.0	105	22	20	M8
VS20 ER11 150	○	20	ER11	TM 11 FM	1.0 - 6.0	150	22	20	M8
VS20 ER16 105	○	20	ER16	TM 16 FM	1.0 - 10.0	105	28	30	M10
VS25 ER16 150	○	25	ER16	TM 16 FM	1.0 - 10.0	150	28	30	M10
VS25 ER20 105	○	25	ER20	TM 20 FM	1.0 - 13.0	105	40	34	M12
VS25 ER20 150	○	25	ER20	TM 20 FM	1.0 - 13.0	150	40	34	M12

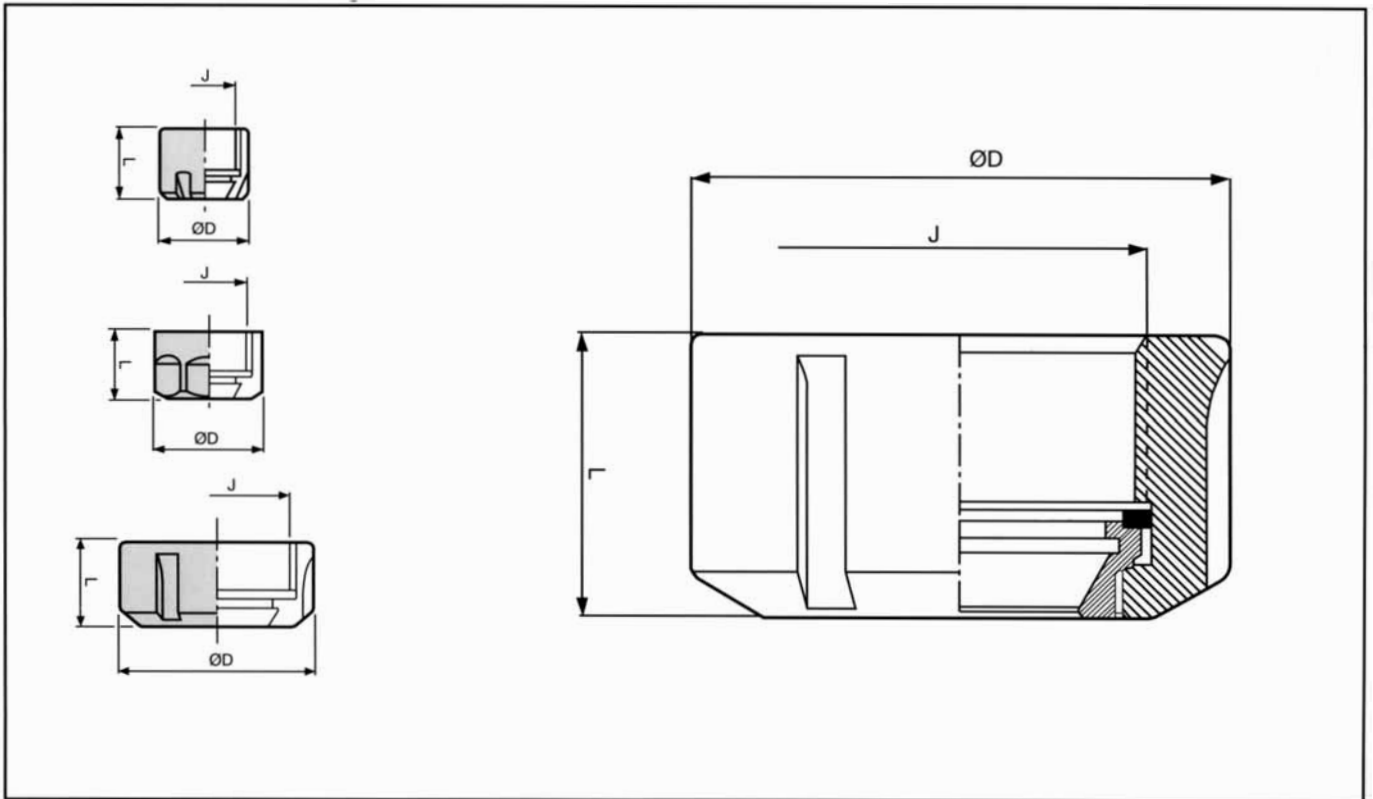
Super holder "ER" type veldon shaft plier holders
Super holder "ER" tipi veldon şaft pens tutucuları

ER11 - ER20

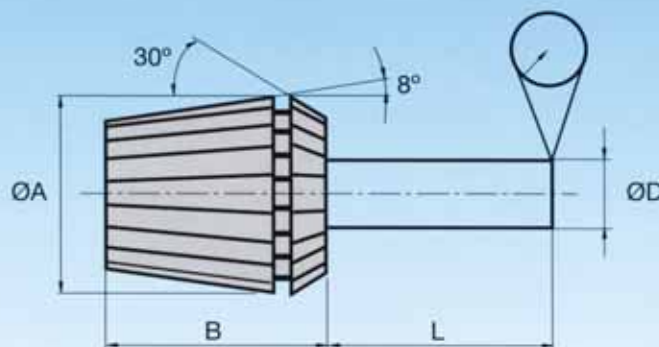


Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		Ød	Plier Type Pens Tipi	Bolt pin Somun	Screwing Capacity Sıkma Kapasitesi	L	I	ØD	J
CNC32 ER25 50	○	32	ER25	TM 25 FM	2.0 - 16.0	50	80	42.5	M12
CNC40 ER25 50	○	40	ER25	TM 25 FM	2.0 - 16.0	50	100	42.5	M12
CNC32 ER32 50	○	32	ER32	TM 32 FM	3.0 - 20.0	50	80	50	M16
CNC40 ER32 50	○	40	ER32	TM 32 FM	3.0 - 20.0	50	100	50	M16

Bolt pin samples for "ER" type kolets (According to DIN 6499)
"ER" tip koletler için somun örnekleri (DIN 6499 standartına göre)



DIN 6499 sensitive “ER” holder pliers
DIN 6499 hassas “ER” tutucu pesleri



ER 16	ER 20	ER 25	ER 32	ER 40	Sıkma Aralığı
ER 16-1	ER 20-1				1.0-0.5
ER 16-2	ER 20-2	ER 25-2			2.0-1.0
ER 16-3	ER 20-3	ER 25-3	ER 32-3		3.0-2.0
ER 16-4	ER 20-4	ER 25-4	ER 32-4	ER 40-4	4.0-3.0
ER 16-5	ER 20-5	ER 25-5	ER 32-5	ER 40-5	5.0-4.0
ER 16-6	ER 20-6	ER 25-6	ER 32-6	ER 40-6	6.0-5.0
ER 16-7	ER 20-7	ER 25-7	ER 32-7	ER 40-7	7.0-6.0
ER 16-8	ER 20-8	ER 25-8	ER 32-8	ER 40-8	8.0-7.0
ER 16-9	ER 20-9	ER 25-9	ER 32-9	ER 40-9	9.0-8.0
ER 16-10	ER 20-10	ER 25-10	ER 32-10	ER 40-10	10.0-9.0
	ER 20-11	ER 25-11	ER 32-11	ER 40-11	11.0-10.0
	ER 20-12	ER 25-12	ER 32-12	ER 40-12	12.0-11.0
	ER 20-13	ER 25-13	ER 32-13	ER 40-13	13.0-12.0
		ER 25-14	ER 32-14	ER 40-14	14.0-13.0
		ER 25-15	ER 32-15	ER 40-15	15.0-14.0
		ER 25-16	ER 32-16	ER 40-16	16.0-15.0
			ER 32-17	ER 40-17	17.0-16.0
			ER 32-18	ER 40-18	18.0-17.0
			ER 32-19	ER 40-19	19.0-18.0
			ER 32-20	ER 40-20	20.0-19.0
				ER 40-21	21.0-20.0
				ER 40-22	22.0-21.0
				ER 40-23	23.0-22.0
				ER 40-24	24.0-23.0
				ER 40-25	25.0-24.0
				ER 40-26	26.0-25.0



Internal Thread Milling System For CNC Machines

Kılavuz Çekme Sistemli CNC Tezgahlar için Kılavuz Pens Tutucular

Japan
Industry Standard
Japon
Endüstri Standartı

MAS - BT
Series Pilot Holder
Seri Klavuz Tutucu

Plier Holders
Pens Tutucular

BT40 ER25 105 KT
BT40 ER32 105 KT
BT50 ER25 105 KT
BT50 ER32 105 KT
BT50 ER40 120 KT

D.I.N. 69871 A/B/C
Series Standard
Seri Standart

DIN 69871 IT
Series Pilot Holder
Seri Klavuz Tutucu

Plier Holders
Pens Tutucular

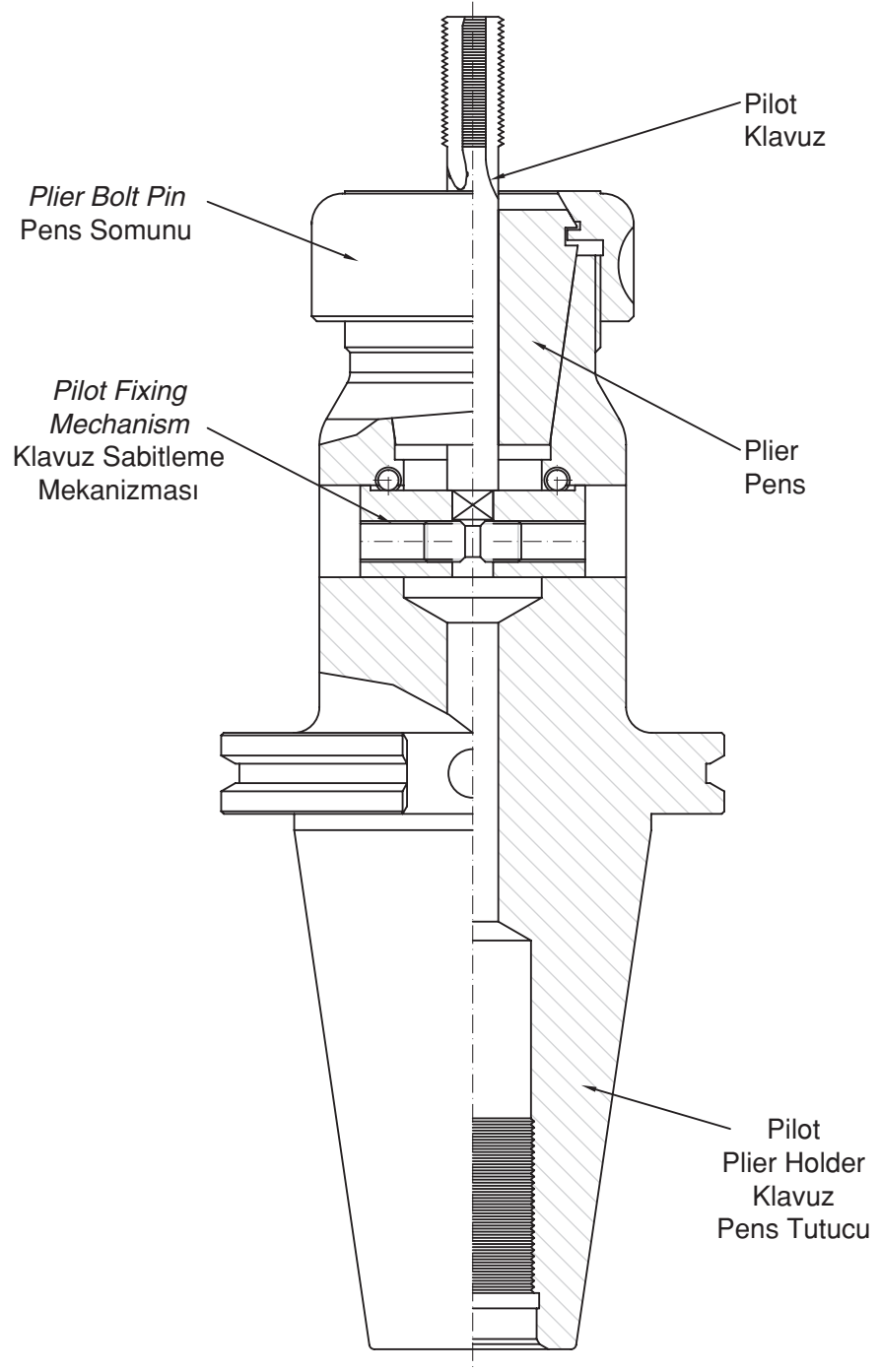
IT40 ER25 105 KT
IT40 ER32 105 KT
IT50 ER25 105 KT
IT50 ER32 105 KT
IT50 ER40 120 KT

Caterpillar
A.N.S.I. B.5 CAT

A.N.S.I. CAT
Series Pilot Holder
Seri Klavuz Tutucu

Plier Holders
Pens Tutucular

CAT40 ER25 105 KT
CAT40 ER32 105 KT
CAT50 ER25 105 KT
CAT50 ER32 105 KT
CAT50 ER40 120 KT



Weldon Type End Mills DIN 2080

Veldon Tutucu DIN 2080

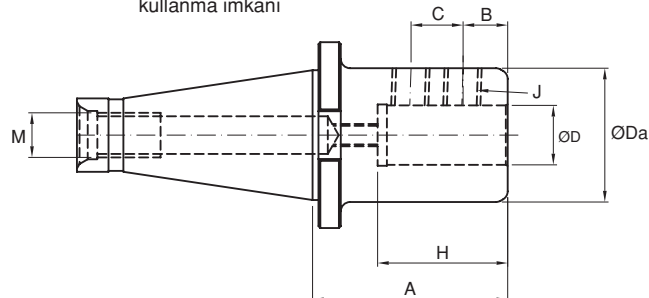
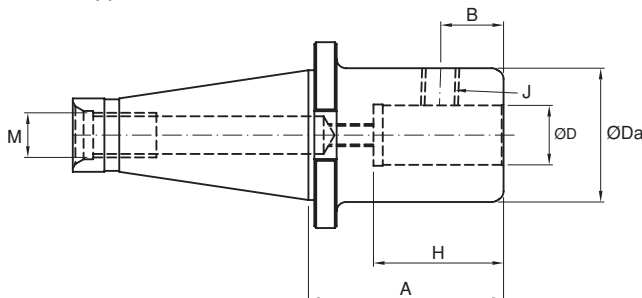
Veldon Tutucu DIN 2080
Weldon Type End Mills DIN 2080

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		ØD	ØDa	J	H	A	B	C	M
ISO40 SLN6 90	○	6	25	M6	35 - 40	90	18	—	M16
ISO40 SLN8 90	○	8	28	M8	35 - 40	90	18	—	M16
ISO40 SLN10 90	○	10	35	M10	39 - 44	90	20	—	M16
ISO40 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	M16
ISO40 SLN16 90	○	16	48	M14	47 - 52	90	24	—	M16
ISO40 SLN20 90	○	20	52	M16	49 - 54	90	25	—	M16
ISO40 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	M16
ISO40 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	M16
ISO50 SLN6 90	○	6	25	M6	35 - 40	90	18	—	M24
ISO50 SLN8 90	○	8	28	M8	35 - 40	90	18	—	M24
ISO50 SLN10 90	○	10	35	M10	39 - 44	90	20	—	M24
ISO50 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	M24
ISO50 SLN16 90	○	16	48	M14	47 - 52	90	24	—	M24
ISO50 SLN20 90	○	20	52	M16	49 - 54	90	25	—	M24
ISO50 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	M24
ISO50 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	M24
ISO50 SLN40 120	○	40	90	M20 x 2	68 - 73	120	30	32	M24

Freze Malafası - DIN 2080
Face Mill Holder DIN 2080

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı

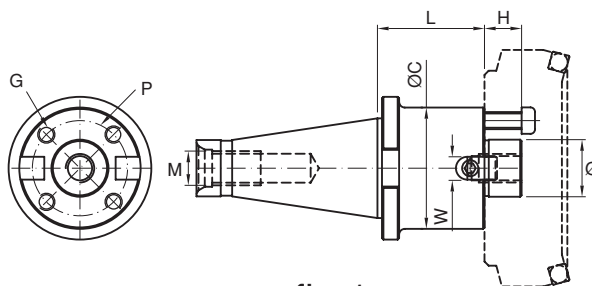


fig 1

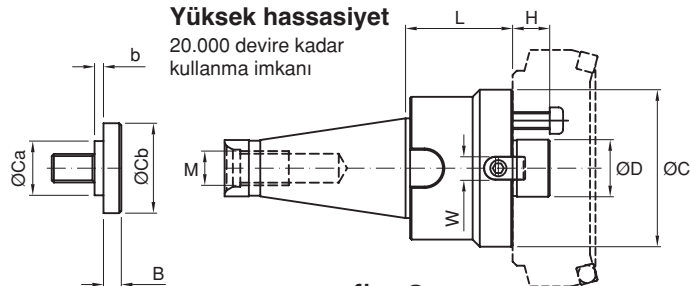


fig 2

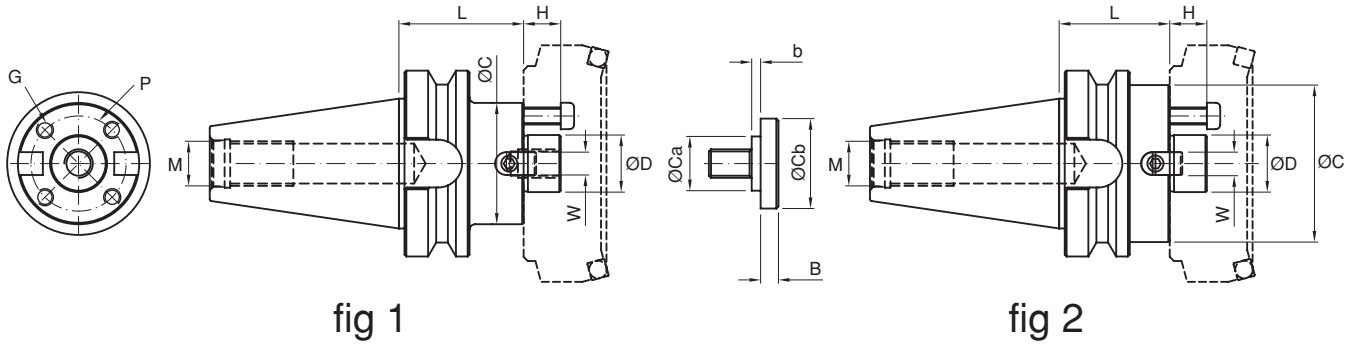
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm											
		ØD	ØC	H	L	W	ØCb	ØCa	B	b	P	G	M
D40 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M16
D40 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M16
D40 FMB60 45	○	60	140	40	45	25.4					101.6	M12	M16
D50 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M24
D50 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M24
D50 FMB60 45	○	60	140	40	45	25.4					101.6	M16	M24

● Stokta Mevcut / In stock

● Siparişten sonra 2 hafta / 2 weeks upon the date of order

○ Siparişten sonra 4 hafta / 4 weeks upon the date of order

Face Mill Holder MAS BT Freze Malafası - MAS BT



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm											
		ØD	ØC	H	L	W	ØCb	ØCa	B	b	P	G	M
BT40 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M16
BT40 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M16
BT40 FMB60 45	○	60	140	40	45	25.4					101.6	M12	M16
BT50 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M24
BT50 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M24
BT50 FMB60 45	○	60	140	40	45	25.4					101.6	M16	M24

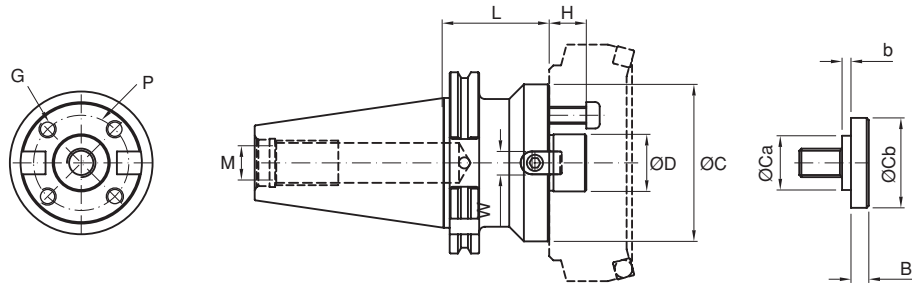
Face Mill Holder DIN 69871 "IT" Freze Kafası Flanşlı Tutucular DIN 69871 "IT"

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm											
		ØD	ØC	H	L	W	ØCb	ØCa	B	b	P	G	M
IT40 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M16
IT40 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M16
IT40 FMB60 45	○	60	140	40	45	25.4					101.6	M12	M16
IT50 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M24
IT50 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M24
IT50 FMB60 45	○	60	140	40	45	25.4					101.6	M16	M24

Face Mill Holder Caterpillar (A.N.S.I.) "CAT"

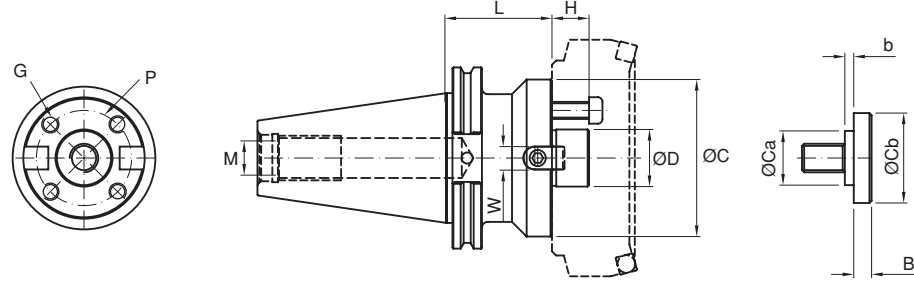
Freze Kafası Flanşlı Tutucular Caterpillar (A.N.S.I.) "CAT"

High Precision

Using possibility up
to 20.000 rotation

Yüksek hassasiyet

20.000 devire kadar
kullanma imkanı



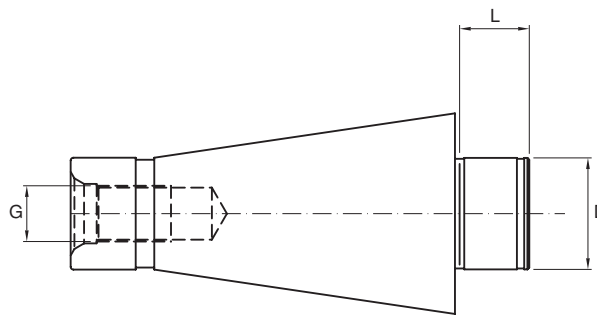
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm											
		ØD	ØC	H	L	W	ØCb	ØCa	B	b	P	G	M
CT40 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M16
CAT40 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M16
CAT40 FMB60 45	○	60	140	40	45	25.4					101.6	M12	M16
CAT50 FMB40 45	○	40	85	30	45	16	50	27	14	6	—	—	M24
CAT50 FMB50 45	○	50	95	30	45	25.4					66.7	M12	M24
CAT50 FMB60 45	○	60	140	40	45	25.4					101.6	M16	M24

Arbor Milling Center DIN 2080

Freze Merkezleme Malafaları DIN 2080

High Precision

Yüksek hassasiyet



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm			
		ØD	L	Tanımlama	H
D40 MR40 32	○	40	32	MERKEZLEME MALAFASI	M16
D50 MR60 40	○	50	40	MERKEZLEME MALAFASI	M24

● Stokta Mevcut / In stock

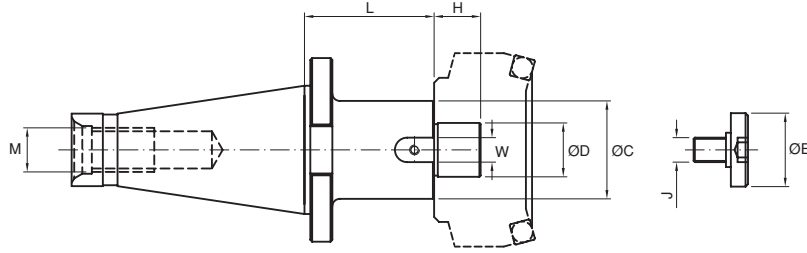
● Siparişten sonra 2 hafta / 2 weeks upon the date of order

○ Siparişten sonra 4 hafta / 4 weeks upon the date of order

Freze Mill Holder DIN 2080 Freze Malafası - DIN 2080

High Precision

Yüksek hassasiyet



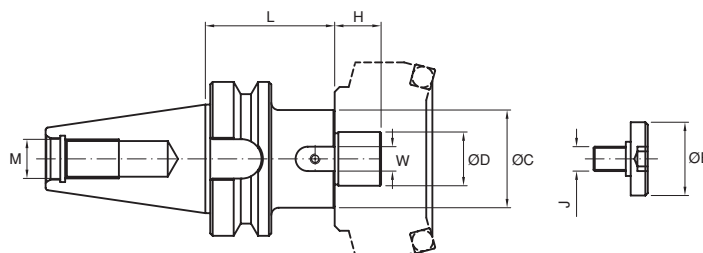
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		ØD	ØC	H	L	W	ØE	J	M
ISO40 SMS16 60	○	16	32	14	60	8	—	M8	M16
ISO40 SMS16 120	○	16	32	14	120	8	—	M8	M16
ISO40 SMS22 60	○	22	42	16	60	10	—	M10	M16
ISO40 SMS22 120	○	22	42	16	120	10	—	M10	M16
ISO40 SMS27 60	○	27	50	18	60	12	—	M12	M16
ISO40 SMS32 45	○	32	60	20	45	14	50	M16	M16
ISO40 SMS32 75	○	32	60	20	75	14	50	M16	M16
ISO50 SMS16 60	○	16	32	14	60	8	—	M8	M24
ISO50 SMS16 120	○	16	32	14	120	8	—	M8	M24
ISO50 SMS22 75	○	22	42	16	75	10	—	M10	M24
ISO50 SMS22 120	○	22	42	16	120	10	—	M10	M24
ISO50 SMS27 60	○	27	50	18	60	12	—	M12	M24
ISO50 SMS27 105	○	27	50	18	105	12	—	M12	M24
ISO50 SMS32 45	○	32	60	20	45	14	50	M16	M24
ISO50 SMS32 75	○	32	60	20	75	14	50	M16	M24
ISO50 SMS40 45	○	40	70	23	45	16	50	M16	M24
ISO50 SMS40 75	○	40	70	23	75	16	50	M16	M24



Face Mill Holder MAS-BT 403 "BT" Freze Malafası MAS-BT 403 "BT"

High Precision

Yüksek hassasiyet



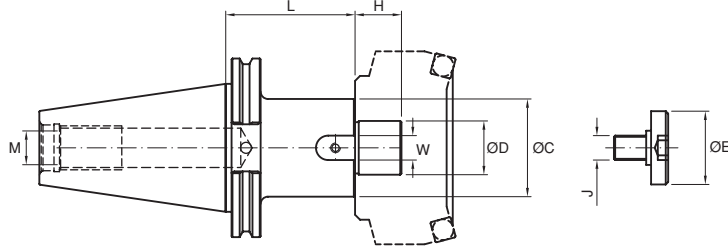
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		ØD	ØC	H	L	W	ØE	J	M
BT40 SMS16 60	○	16	32	14	60	8	—	M8	M16
BT40 SMS16 120	○	16	32	14	120	8	—	M8	M16
BT40 SMS22 60	○	22	42	16	60	10	—	M10	M16
BT40 SMS22 120	○	22	42	16	120	10	—	M10	M16
BT40 SMS27 60	○	27	50	18	60	12	—	M12	M16
BT40 SMS32 45	○	32	60	20	45	14	50	M16	M16
BT40 SMS32 75	○	32	60	20	75	14	50	M16	M16
BT50 SMS16 60	○	16	32	14	60	8	—	M8	M24
BT50 SMS16 120	○	16	32	14	120	8	—	M8	M24
BT50 SMS22 75	○	22	42	16	75	10	—	M10	M24
BT50 SMS22 120	○	22	42	16	120	10	—	M10	M24
BT50 SMS27 60	○	27	50	18	60	12	—	M12	M24
BT50 SMS27 105	○	27	50	18	105	12	—	M12	M24
BT50 SMS32 45	○	32	60	20	45	14	50	M16	M24
BT50 SMS32 75	○	32	60	20	75	14	50	M16	M24
BT50 SMS40 45	○	40	70	23	45	16	50	M16	M24
BT50 SMS40 75	○	40	70	23	75	16	50	M16	M24



Face Mill Holder Caterpillar (A.N.S.I.) "CAT" Freze Malafası Caterpillar (A.N.S.I.) "CAT"

High Precision

Yüksek hassasiyet



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		ØD	ØC	H	L	W	ØE	J	M
CAT40 SMS16 60	○	16	32	14	60	8	—	M8	M16
CAT40 SMS16 120	○	16	32	14	120	8	—	M8	M16
CAT40 SMS22 60	○	22	42	16	60	10	—	M10	M16
CAT40 SMS22 120	○	22	42	16	120	10	—	M10	M16
CAT40 SMS27 60	○	27	50	18	60	12	—	M12	M16
CAT40 SMS32 45	○	32	60	20	45	14	50	M16	M16
CAT40 SMS32 75	○	32	60	20	75	14	50	M16	M16
CAT50 SMS16 60	○	16	32	14	60	8	—	M8	M24
CAT50 SMS16 120	○	16	32	14	120	8	—	M8	M24
CAT50 SMS22 75	○	22	42	16	75	10	—	M10	M24
CAT50 SMS22 120	○	22	42	16	120	10	—	M10	M24
CAT50 SMS27 60	○	27	50	18	60	12	—	M12	M24
CAT50 SMS27 105	○	27	50	18	105	12	—	M12	M24
CAT50 SMS32 45	○	32	60	20	45	14	50	M16	M24
CAT50 SMS32 75	○	32	60	20	75	14	50	M16	M24
CAT50 SMS40 45	○	40	70	23	45	16	50	M16	M24
CAT50 SMS40 75	○	40	70	23	75	16	50	M16	M24



Face Mill Holder DIN 69871 "IT"

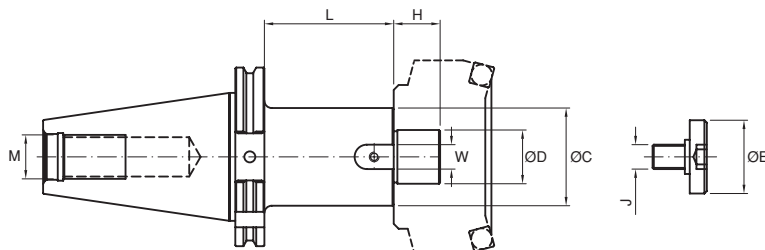
Freze Malafası DIN 69871 "IT"

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm							
		ØD	ØC	H	L	W	ØE	J	M
IT40 SMS16 60	○	16	32	14	60	8	—	M8	M16
IT40 SMS16 120	○	16	32	14	120	8	—	M8	M16
IT40 SMS22 60	○	22	42	16	60	10	—	M10	M16
IT40 SMS22 120	○	22	42	16	120	10	—	M10	M16
IT40 SMS27 60	○	27	50	18	60	12	—	M12	M16
IT40 SMS32 45	○	32	60	20	45	14	50	M16	M16
IT40 SMS32 75	○	32	60	20	75	14	50	M16	M16
IT50 SMS16 60	○	16	32	14	60	8	—	M8	M24
IT50 SMS16 120	○	16	32	14	120	8	—	M8	M24
IT50 SMS22 75	○	22	42	16	75	10	—	M10	M24
IT50 SMS22 120	○	22	42	16	120	10	—	M10	M24
IT50 SMS27 60	○	27	50	18	60	12	—	M12	M24
IT50 SMS27 105	○	27	50	18	105	12	—	M12	M24
IT50 SMS32 45	○	32	60	20	45	14	50	M16	M24
IT50 SMS32 75	○	32	60	20	75	14	50	M16	M24
IT50 SMS40 45	○	40	70	23	45	16	50	M16	M24
IT50 SMS40 75	○	40	70	23	75	16	50	M16	M24



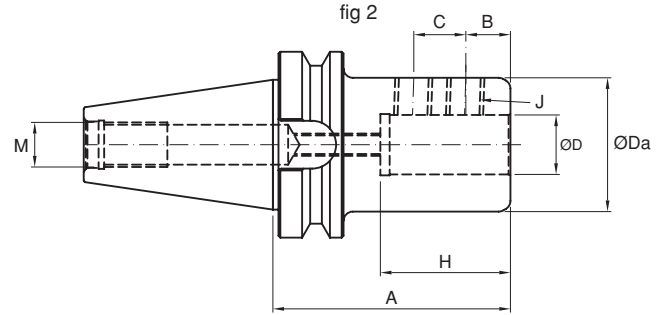
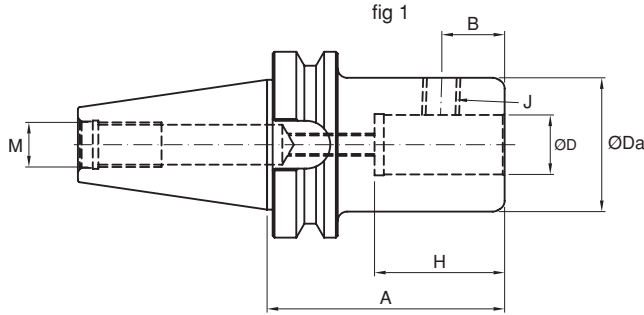
Weldon Type End Mills MAS - BT Veldon Tutucu MAS - BT

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm								
		ØD	ØDa	J	H	A	B	C	fig	M
BT40 SLN6 90	○	6	25	M6	35 - 40	90	18	—	1	M16
BT40 SLN8 90	○	8	28	M8	35 - 40	90	18	—	1	M16
BT40 SLN10 90	○	10	35	M10	39 - 44	90	20	—	1	M16
BT40 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	1	M16
BT40 SLN16 90	○	16	48	M14	47 - 52	90	24	—	1	M16
BT40 SLN20 90	○	20	52	M16	49 - 54	90	25	—	2	M16
BT40 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	2	M16
BT40 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	2	M16
BT50 SLN6 90	○	6	25	M6	35 - 40	90	18	—	1	M24
BT50 SLN8 90	○	8	28	M8	35 - 40	90	18	—	1	M24
BT50 SLN10 90	○	10	35	M10	39 - 44	90	20	—	1	M24
BT50 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	1	M24
BT50 SLN16 90	○	16	48	M14	47 - 52	90	24	—	1	M24
BT50 SLN20 90	○	20	52	M16	49 - 54	90	25	—	2	M24
BT50 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	2	M24
BT50 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	2	M24
BT50 SLN40 120	○	40	90	M20 x 2	68 - 73	120	30	32	2	M24



Weldon Type End Mill DIN 69871 "IT"

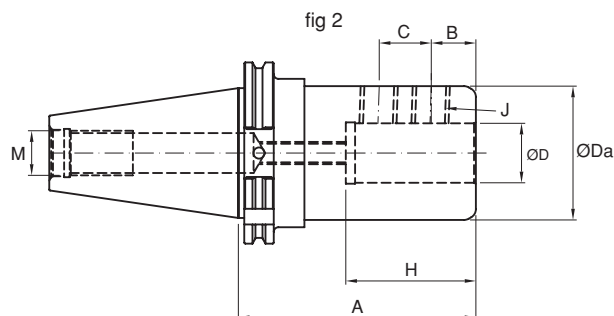
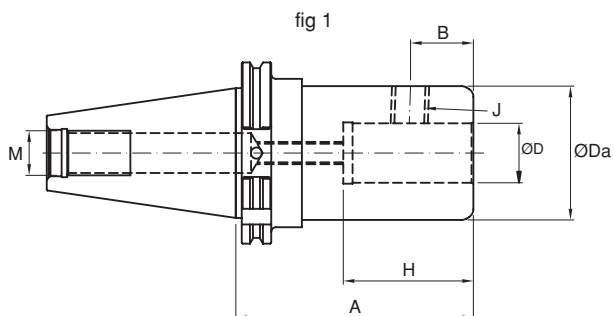
Veldon Tutucu DIN 69871 "IT"

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm								
		ØD	ØDa	J	H	A	B	C	fig	M
IT40 SLN6 90	○	6	25	M6	35 - 40	90	18	—	1	M16
IT40 SLN8 90	○	8	28	M8	35 - 40	90	18	—	1	M16
IT40 SLN10 90	○	10	35	M10	39 - 44	90	20	—	1	M16
IT40 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	1	M16
IT40 SLN16 90	○	16	48	M14	47 - 52	90	24	—	1	M16
IT40 SLN20 90	○	20	52	M16	49 - 54	90	25	—	2	M16
IT40 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	2	M16
IT40 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	2	M16
IT50 SLN6 90	○	6	25	M6	35 - 40	90	18	—	1	M24
IT50 SLN8 90	○	8	28	M8	35 - 40	90	18	—	1	M24
IT50 SLN10 90	○	10	35	M10	39 - 44	90	20	—	1	M24
IT50 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	1	M24
IT50 SLN16 90	○	16	48	M14	47 - 52	90	24	—	1	M24
IT50 SLN20 90	○	20	52	M16	49 - 54	90	25	—	2	M24
IT50 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	2	M24
IT50 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	2	M24
IT50 SLN40 120	○	40	90	M20 x 2	68 - 73	120	30	32	2	M24

● Stokta Mevcut / In stock

● Siparişten sonra 2 hafta / 2 weeks upon the date of order

○ Siparişten sonra 4 hafta / 4 weeks upon the date of order



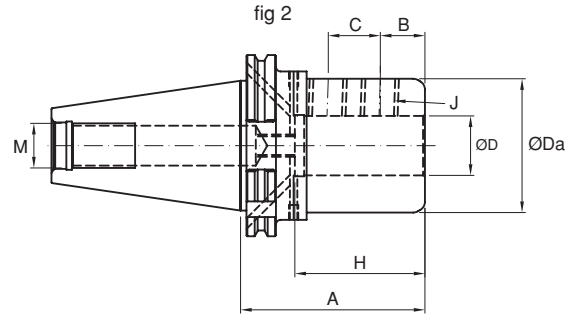
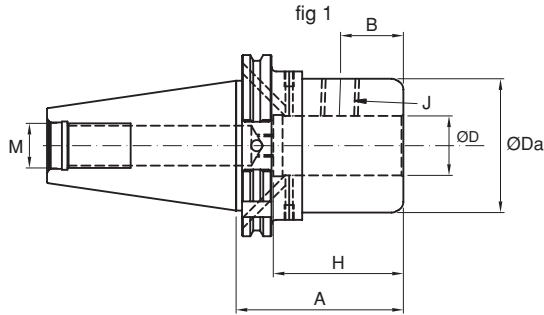
Weldon Type End Mill DIN 69871 "IT" Veldon Tutucu DIN 69871 "IT"

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm								
		ØD	ØDa	J	H	A	B	C	fig	M
IT40 SLN6 90 B	○	6	25	M6	35 - 40	90	18	—	1	M16
IT40 SLN8 90 B	○	8	28	M8	35 - 40	90	18	—	1	M16
IT40 SLN10 90 B	○	10	35	M10	39 - 44	90	20	—	1	M16
IT40 SLN12 90 B	○	12	42	M12	44 - 49	90	22.5	—	1	M16
IT40 SLN16 90 B	○	16	48	M14	47 - 52	90	24	—	1	M16
IT40 SLN20 90 B	○	20	52	M16	49 - 54	90	25	—	2	M16
IT40 SLN25 105 B	○	25	65	M18 x 2	54 - 59	105	24	25	2	M16
IT40 SLN32 105 B	○	32	72	M20 x 2	58 - 63	105	24	28	2	M16
IT50 SLN6 90 B	○	6	25	M6	35 - 40	90	18	—	1	M24
IT50 SLN8 90 B	○	8	28	M8	35 - 40	90	18	—	1	M24
IT50 SLN10 90 B	○	10	35	M10	39 - 44	90	20	—	1	M24
IT50 SLN12 90 B	○	12	42	M12	44 - 49	90	22.5	—	1	M24
IT50 SLN16 90 B	○	16	48	M14	47 - 52	90	24	—	1	M24
IT50 SLN20 90 B	○	20	52	M16	49 - 54	90	25	—	2	M24
IT50 SLN25 105 B	○	25	65	M18 x 2	54 - 59	105	24	25	2	M24
IT50 SLN32 105 B	○	32	72	M20 x 2	58 - 63	105	24	28	2	M24
IT50 SLN40 120 B	○	40	90	M20 x 2	68 - 73	120	30	32	2	M24



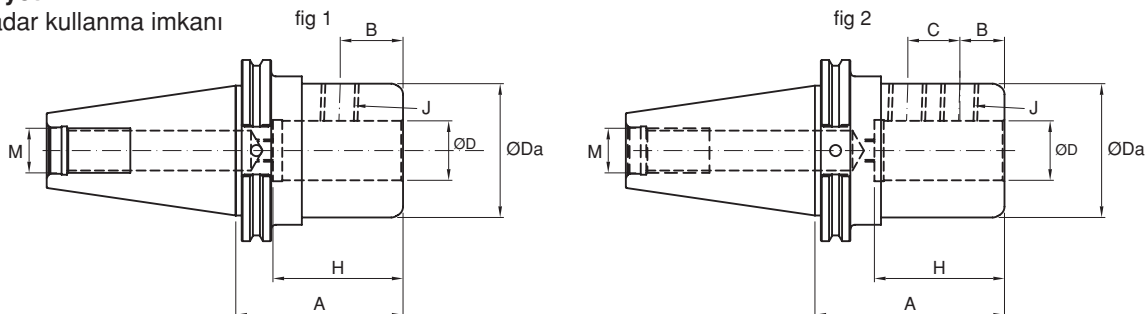
Weldon Type End Mills Caterpillar (A.N.S.I.) B.5 "CAT" Veldon Tutucu Caterpillar (A.N.S.I.) B.5 "CAT"

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm								
		ØD	ØDa	J	H	A	B	C	fig	M
CAT40 SLN6 90	○	6	25	M6	35 - 40	90	18	—	1	M16
CAT40 SLN8 90	○	8	28	M8	35 - 40	90	18	—	1	M16
CAT40 SLN10 90	○	10	35	M10	39 - 44	90	20	—	1	M16
CAT40 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	1	M16
CAT40 SLN16 90	○	16	48	M14	47 - 52	90	24	—	1	M16
CAT40 SLN20 90	○	20	52	M16	49 - 54	90	25	—	2	M16
CAT40 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	2	M16
CAT40 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	2	M16
CAT50 SLN6 90	○	6	25	M6	35 - 40	90	18	—	1	M24
CAT50 SLN8 90	○	8	28	M8	35 - 40	90	18	—	1	M24
CAT50 SLN10 90	○	10	35	M10	39 - 44	90	20	—	1	M24
CAT50 SLN12 90	○	12	42	M12	44 - 49	90	22.5	—	1	M24
CAT50 SLN16 90	○	16	48	M14	47 - 52	90	24	—	1	M24
CAT50 SLN20 90	○	20	52	M16	49 - 54	90	25	—	2	M24
CAT50 SLN25 105	○	25	65	M18 x 2	54 - 59	105	24	25	2	M24
CAT50 SLN32 105	○	32	72	M20 x 2	58 - 63	105	24	28	2	M24
CAT50 SLN40 120	○	40	90	M20 x 2	68 - 73	120	30	32	2	M24

● Stokta Mevcut / In stock

● Siparişten sonra 2 hafta / 2 weeks upon the date of order

○ Siparişten sonra 4 hafta / 4 weeks upon the date of order



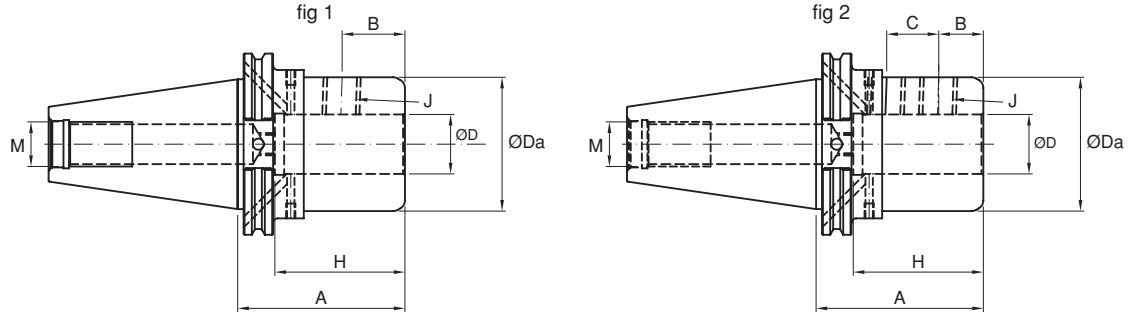
Weldon Type End Mills Caterpillar (A.N.S.I.) B.5 "CAT" Veldon Tutucu Caterpillar (A.N.S.I.) B.5 "CAT"

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm								
		ØD	ØDa	J	H	A	B	C	fig	M
CAT40 SLN6 90 B	○	6	25	M6	35 - 40	90	18	—	1	M16
CAT40 SLN8 90 B	○	8	28	M8	35 - 40	90	18	—	1	M16
CAT40 SLN10 90 B	○	10	35	M10	39 - 44	90	20	—	1	M16
CAT40 SLN12 90 B	○	12	42	M12	44 - 49	90	22.5	—	1	M16
CAT40 SLN16 90 B	○	16	48	M14	47 - 52	90	24	—	1	M16
CAT40 SLN20 90 B	○	20	52	M16	49 - 54	90	25	—	2	M16
CAT40 SLN25 105 B	○	25	65	M18 x 2	54 - 59	105	24	25	2	M16
CAT40 SLN32 105 B	○	32	72	M20 x 2	58 - 63	105	24	28	2	M16
CAT50 SLN6 90 B	○	6	25	M6	35 - 40	90	18	—	1	M24
CAT50 SLN8 90 B	○	8	28	M8	35 - 40	90	18	—	1	M24
CAT50 SLN10 90 B	○	10	35	M10	39 - 44	90	20	—	1	M24
CAT50 SLN12 90 B	○	12	42	M12	44 - 49	90	22.5	—	1	M24
CAT50 SLN16 90 B	○	16	48	M14	47 - 52	90	24	—	1	M24
CAT50 SLN20 90 B	○	20	52	M16	49 - 54	90	25	—	2	M24
CAT50 SLN25 105 B	○	25	65	M18 x 2	54 - 59	105	24	25	2	M24
CAT50 SLN32 105 B	○	32	72	M20 x 2	58 - 63	105	24	28	2	M24
CAT50 SLN40 120 B	○	40	90	M20 x 2	68 - 73	120	30	32	2	M24



Clamped Morse Conical Holders

Çektirmeli mors konik tutucular

MAS-BT 403 “BT” Japon standart şaft / Japan standard shaft

CATERPILLAR (A.N.S.I.) “CAT” standart şaft / “CAT” standard shaft

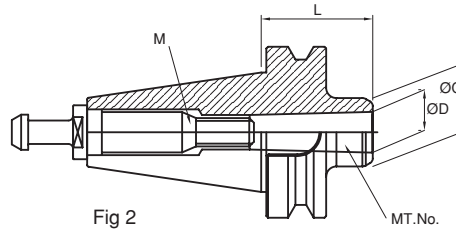
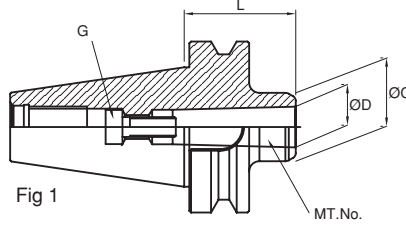
DIN 69871 “IT” standart şaft / standard shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		MT.No.	ØD	ØC	L	Fig	G	M
BT40 MTB1 45	○	MK1	12.065	25	45	1	M6x1	M16
BT40 MTB2 60	○	MK2	17.780	32	60	1	M10x1.5	M16
BT40 MTB3 45	○	MK3	23.825	40	45	2	M12x1.75	M16
BT40 MTB4 85	○	MK4	31.267	50	85	2	M16x2	M16
CAT40 MTB1 45	○	MK1	12.065	25	45	1	M6x1	M16
CAT40 MTB2 60	○	MK2	17.780	32	60	1	M10x1.5	M16
CAT40 MTB3 45	○	MK3	23.825	40	45	2	M12x1.75	M16
CAT40 MTB4 85	○	MK4	31.267	50	85	2	M16x2	M16
IT40 MTB1 45	○	MK1	12.065	25	45	1	M6x1	M16
IT40 MTB2 60	○	MK2	17.780	32	60	1	M10x1.5	M16
IT40 MTB3 45	○	MK3	23.825	40	45	2	M12x1.75	M16
IT40 MTB4 85	○	MK4	31.267	50	85	2	M16x2	M16
BT50 MTB1 45	○	MK1	12.065	25	45	1	M6x1	M24
BT50 MTB2 45	○	MK2	17.780	32	45	1	M10x1.5	M24
BT50 MTB3 60	○	MK3	23.825	40	60	1	M12x1.75	M24
BT50 MTB4 75	○	MK4	31.267	50	75	1	M16x2	M24
BT50 MTB5 105	○	MK5	44.399	70	105	2	M20x2.5	M24
CAT50 MTB1 45	○	MK1	12.065	25	45	1	M6x1	M24
CAT50 MTB2 45	○	MK2	17.780	32	45	1	M10x1.5	M24
CAT50 MTB3 60	○	MK3	23.825	40	60	1	M12x1.75	M24
CAT50 MTB4 75	○	MK4	31.267	50	75	1	M16x2	M24
CAT50 MTB5 105	○	MK5	44.399	70	105	2	M20x2.5	M24
IT50 MTB1 45	○	MK1	12.065	25	45	1	M6x1	M24
IT50 MTB2 45	○	MK2	17.780	32	45	1	M10x1.5	M24
IT50 MTB3 60	○	MK3	23.825	40	60	1	M12x1.75	M24
IT50 MTB4 75	○	MK4	31.267	50	75	1	M16x2	M24
IT50 MTB5 105	○	MK5	44.399	70	105	2	M20x2.5	M24

Morse conical adaptor holders

Mors konik adaptör tutucular

MAS-BT 403 “BT” Japon standart şaft / Japan standard shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı

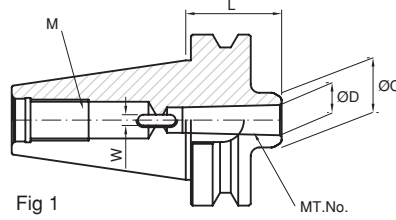


Fig 1

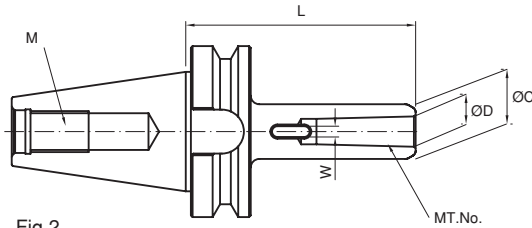


Fig 2

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		MT.No.	ØD	ØC	L	Fig	W	M
BT40 MTA1 45	○	MK1	12.065	25	45	1	5.6	M16
BT40 MTA1 120	○	MK1	12.065	25	120	2	5.6	M16
BT40 MTA2 45	○	MK2	17.780	32	45	1	6.6	M16
BT40 MTA2 135	○	MK2	17.780	32	135	2	6.6	M16
BT40 MTA3 75	○	MK3	23.825	40	75	1	8.4	M16
BT40 MTA3 150	○	MK3	23.825	40	150	2	8.4	M16
BT40 MTA4 90	○	MK4	31.267	50	90	1	12.4	M16
BT40 MTA4 180	○	MK4	31.267	50	180	2	12.4	M16
BT50 MTA1 45	○	MK1	12.065	25	45	1	5.6	M24
BT50 MTA1 120	○	MK1	12.065	25	120	2	5.6	M24
BT50 MTA1 180	○	MK1	12.065	25	180	2	5.6	M24
BT50 MTA2 45	○	MK2	17.780	32	45	1	6.6	M24
BT50 MTA2 135	○	MK2	17.780	32	135	2	6.6	M24
BT50 MTA2 180	○	MK2	17.780	32	180	2	6.6	M24
BT50 MTA3 45	○	MK3	23.825	40	45	1	8.4	M24
BT50 MTA3 150	○	MK3	23.825	40	150	2	8.4	M24
BT50 MTA3 180	○	MK3	23.825	40	180	2	8.4	M24
BT50 MTA4 75	○	MK4	31.267	50	75	1	12.4	M24
BT50 MTA4 180	○	MK4	31.267	50	180	2	12.4	M24
BT50 MTA5 105	○	MK4	44.399	65	105	1	16.5	M24



Morse conical adaptor holders

Mors konik adaptör tutucular

CATERPILLAR (A.N.S.I.) B.5 “CAT” standart şaft / standard shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma
imkanı

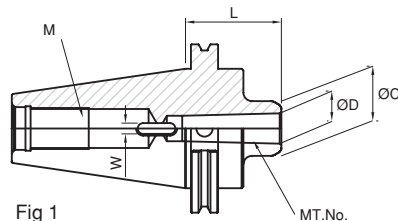


Fig 1

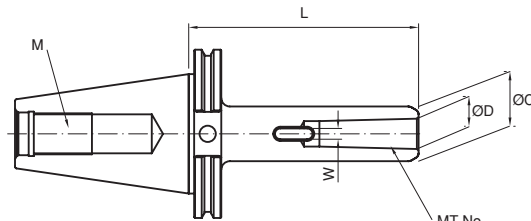


Fig 2

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		MT.No.	ØD	ØC	L	Fig	W	M
CAT40 MTA1 45	○	MK1	12.065	25	45	1	5.6	M16
CAT40 MTA1 120	○	MK1	12.065	25	120	2	5.6	M16
CAT40 MTA2 45	○	MK2	17.780	32	45	1	6.6	M16
CAT40 MTA2 135	○	MK2	17.780	32	135	2	6.6	M16
CAT40 MTA3 75	○	MK3	23.825	40	75	1	8.4	M16
CAT40 MTA3 150	○	MK3	23.825	40	150	2	8.4	M16
CAT40 MTA4 90	○	MK4	31.267	50	90	1	12.4	M16
CAT40 MTA4 180	○	MK4	31.267	50	180	2	12.4	M16
CAT50 MTA1 45	○	MK1	12.065	25	45	1	5.6	M24
CAT50 MTA1 120	○	MK1	12.065	25	120	2	5.6	M24
CAT50 MTA1 180	○	MK1	12.065	25	180	2	5.6	M24
CAT50 MTA2 45	○	MK2	17.780	32	45	1	6.6	M24
CAT50 MTA2 135	○	MK2	17.780	32	135	2	6.6	M24
CAT50 MTA2 180	○	MK2	17.780	32	180	2	6.6	M24
CAT50 MTA3 45	○	MK3	23.825	40	45	1	8.4	M24
CAT50 MTA3 150	○	MK3	23.825	40	150	2	8.4	M24
CAT50 MTA3 180	○	MK3	23.825	40	180	2	8.4	M24
CAT50 MTA4 75	○	MK4	31.267	50	75	1	12.4	M24
CAT50 MTA4 180	○	MK4	31.267	50	180	2	12.4	M24
CAT50 MTA5 105	○	MK4	44.399	65	105	1	16.5	M24



Morse conical adaptor holders
Mors konik adaptör tutucular
DIN 69871 A “IT” standart şaft / standard shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı

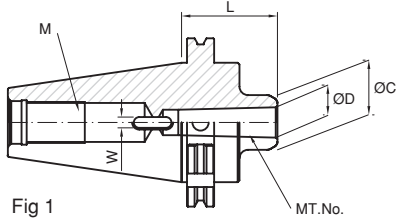


Fig 1

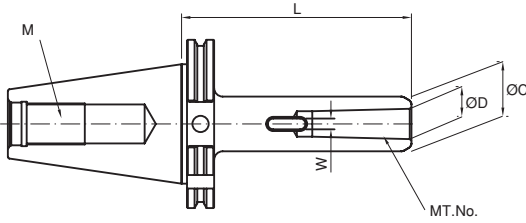


Fig 2



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		MT.No.	ØD	ØC	L	Fig	W	M
IT40 MTA1 45	○	MK1	12.065	25	45	1	5.6	M16
IT40 MTA1 120	○	MK1	12.065	25	120	2	5.6	M16
IT40 MTA2 45	○	MK2	17.780	32	45	1	6.6	M16
IT40 MTA2 135	○	MK2	17.780	32	135	2	6.6	M16
IT40 MTA3 75	○	MK3	23.825	40	75	1	8.4	M16
IT40 MTA3 150	○	MK3	23.825	40	150	2	8.4	M16
IT40 MTA4 90	○	MK4	31.267	50	90	1	12.4	M16
IT40 MTA4 180	○	MK4	31.267	50	180	2	12.4	M16
IT50 MTA1 45	○	MK1	12.065	25	45	1	5.6	M24
IT50 MTA1 120	○	MK1	12.065	25	120	2	5.6	M24
IT50 MTA1 180	○	MK1	12.065	25	180	2	5.6	M24
IT50 MTA2 45	○	MK2	17.780	32	45	1	6.6	M24
IT50 MTA2 135	○	MK2	17.780	32	135	2	6.6	M24
IT50 MTA2 180	○	MK2	17.780	32	180	2	6.6	M24
IT50 MTA3 45	○	MK3	23.825	40	45	1	8.4	M24
IT50 MTA3 150	○	MK3	23.825	40	150	2	8.4	M24
IT50 MTA3 180	○	MK3	23.825	40	180	2	8.4	M24
IT50 MTA4 75	○	MK4	31.267	50	75	1	12.4	M24
IT50 MTA4 180	○	MK4	31.267	50	180	2	12.4	M24
IT50 MTA5 105	○	MK4	44.399	65	105	1	16.5	M24

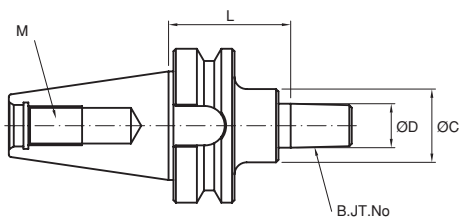
Morse conical adaptor holders Mors konik adaptör tutucular MAS-BT 403 “BT” Japan standart shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm				
		B.JT.No.	ØD	ØC	L	M
BT40 B12 45	○	12.065	B12	18.5	45	M16
BT40 B16 45	○	15.733	B16	24	45	M16
BT40 B18 45	○	17.431	B18	24	45	M16
CAT40 B12 45	○	12.065	B12	18.5	45	M16
CAT40 B16 45	○	15.733	B16	24	45	M16
CAT40 B18 45	○	17.431	B18	24	45	M16
IT40 B12 45	○	12.065	B12	18.5	45	M16
IT40 B16 45	○	15.733	B16	24	45	M16
IT40 B18 45	○	17.431	B18	24	45	M16
BT50 B12 45	○	12.065	B12	18.5	45	M24
BT50 B16 45	○	15.733	B16	24	45	M24
BT50 B18 45	○	17.431	B18	24	45	M24
CAT50 B12 45	○	12.065	B12	18.5	45	M24
CAT50 B16 45	○	15.733	B16	24	45	M24
CAT50 B18 45	○	17.431	B18	24	45	M24
IT50 B12 45	○	12.065	B12	18.5	45	M24
IT50 B16 45	○	15.733	B16	24	45	M24
IT50 B18 45	○	17.431	B18	24	45	M24

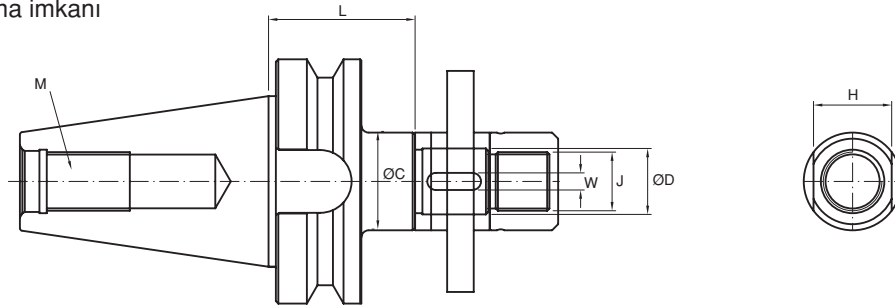
Canal mill holders
Kanal freze tutucuları
MAS-BT403 "BT" Japon standart şaft / Japan standard shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



(3,5,7,8,10,12)

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		ØD	ØC	L	J	H	W	M
BT40 SCA13 75	○	13	20	75	M12x1.25	15	—	M16
BT40 SCA13 105	○	13	20	105	M12x1.25	15	—	M16
BT40 SCA16 75	○	16	26	75	M14x1.5	16	4	M16
BT40 SCA16 105	○	16	26	105	M14x1.5	16	4	M16
BT40 SCA22 75	○	22	34	75	M20x1.5	21	6	M16
BT40 SCA22 120	○	22	34	120	M20x1.5	21	6	M16
BT40 SCA27 75	○	27	40	75	M24x2	25	7	M16
BT40 SCA27 135	○	27	40	135	M24x2	25	7	M16
BT40 SCA32 90	○	32	46	90	M30x2	30	8	M16
BT50 SCA13 75	○	13	20	75	M12x1.25	15	—	M24
BT50 SCA13 105	○	13	20	105	M12x1.25	15	—	M24
BT50 SCA16 75	○	16	26	75	M14x1.5	16	4	M24
BT50 SCA16 120	○	16	26	120	M14x1.5	16	4	M24
BT50 SCA22 75	○	22	34	75	M20x1.5	21	6	M24
BT50 SCA22 135	○	22	34	135	M20x1.5	21	6	M24
BT50 SCA27 75	○	27	40	75	M24x2	25	7	M24
BT50 SCA27 135	○	27	40	135	M24x2	25	7	M24
BT50 SCA32 90	○	32	46	90	M30x2	30	8	M24
BT50 SCA32 135	○	32	46	135	M30x2	30	8	M24
BT50 SCA40 90	○	40	55	90	M36x2	36	10	M24
BT50 SCA40 135	○	40	55	135	M36x2	36	10	M24



Canal mill holders

Kanal freze tutucuları

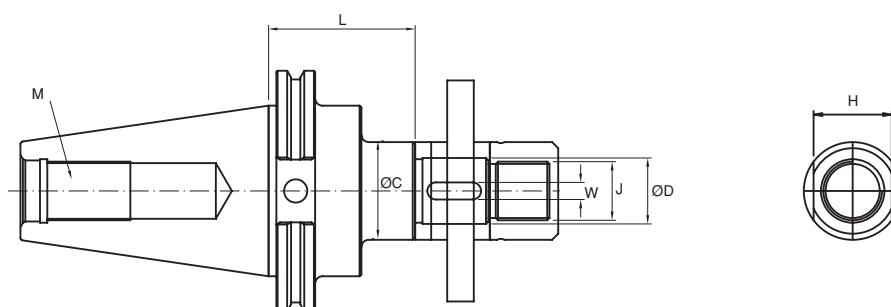
CATERPILLAR (A.N.S.I.) "CAT" standart şaft / standard shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

10.000 devire kadar kullanma imkanı



(3,5,7,8,10,12)

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		ØD	ØC	L	J	H	W	M
CAT40 SCA13 75	○	13	20	75	M12x1.25	15	—	M16
CAT40 SCA13 105	○	13	20	105	M12x1.25	15	—	M16
CAT40 SCA16 75	○	16	26	75	M14x1.5	16	4	M16
CAT40 SCA16 105	○	16	26	105	M14x1.5	16	4	M16
CAT40 SCA22 75	○	22	34	75	M20x1.5	21	6	M16
CAT40 SCA22 120	○	22	34	120	M20x1.5	21	6	M16
CAT40 SCA27 75	○	27	40	75	M24x2	25	7	M16
CAT40 SCA27 135	○	27	40	135	M24x2	25	7	M16
CAT40 SCA32 90	○	32	46	90	M30x2	30	8	M16
CAT50 SCA13 75	○	13	20	75	M12x1.25	15	—	M24
CAT50 SCA13 105	○	13	20	105	M12x1.25	15	—	M24
CAT50 SCA16 75	○	16	26	75	M14x1.5	16	4	M24
CAT50 SCA16 120	○	16	26	120	M14x1.5	16	4	M24
CAT50 SCA22 75	○	22	34	75	M20x1.5	21	6	M24
CAT50 SCA22 135	○	22	34	135	M20x1.5	21	6	M24
CAT50 SCA27 75	○	27	40	75	M24x2	25	7	M24
CAT50 SCA27 135	○	27	40	135	M24x2	25	7	M24
CAT50 SCA32 90	○	32	46	90	M30x2	30	8	M24
CAT50 SCA32 135	○	32	46	135	M30x2	30	8	M24
CAT50 SCA40 90	○	40	55	90	M36x2	36	10	M24
CAT50 SCA40 135	○	40	55	135	M36x2	36	10	M24

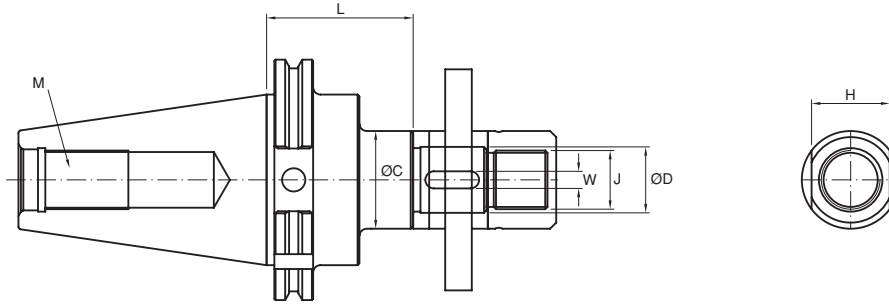
Canal mill holders
Kanal freze tutucuları
DIN 69871 "IT" standart şaft / standard shaft

High Precision

Using probability up to 10.000 rotation

Yüksek hassasiyet

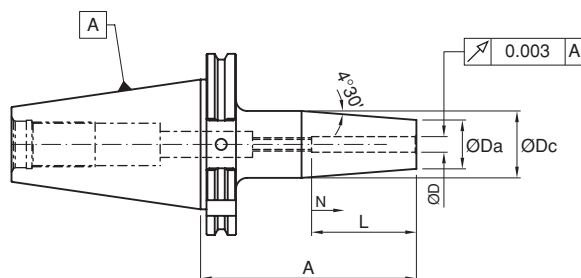
10.000 devire kadar kullanma imkanı



(3,5,7,8,10,12)

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		ØD	ØC	L	J	H	W	M
IT40 SCA13 75	○	13	20	75	M12x1.25	15	—	M16
IT40 SCA13 105	○	13	20	105	M12x1.25	15	—	M16
IT40 SCA16 75	○	16	26	75	M14x1.5	16	4	M16
IT40 SCA16 105	○	16	26	105	M14x1.5	16	4	M16
IT40 SCA22 75	○	22	34	75	M20x1.5	21	6	M16
IT40 SCA22 120	○	22	34	120	M20x1.5	21	6	M16
IT40 SCA27 75	○	27	40	75	M24x2	25	7	M16
IT40 SCA27 135	○	27	40	135	M24x2	25	7	M16
IT40 SCA32 90	○	32	46	90	M30x2	30	8	M16
IT50 SCA13 75	○	13	20	75	M12x1.25	15	—	M24
IT50 SCA13 105	○	13	20	105	M12x1.25	15	—	M24
IT50 SCA16 75	○	16	26	75	M14x1.5	16	4	M24
IT50 SCA16 120	○	16	26	120	M14x1.5	16	4	M24
IT50 SCA22 75	○	22	34	75	M20x1.5	21	6	M24
IT50 SCA22 135	○	22	34	135	M20x1.5	21	6	M24
IT50 SCA27 75	○	27	40	75	M24x2	25	7	M24
IT50 SCA27 135	○	27	40	135	M24x2	25	7	M24
IT50 SCA32 90	○	32	46	90	M30x2	30	8	M24
IT50 SCA32 135	○	32	46	135	M30x2	30	8	M24
IT50 SCA40 90	○	40	55	90	M36x2	36	10	M24
IT50 SCA40 135	○	40	55	135	M36x2	36	10	M24

Clamping Chuck IT40 DIN 69871



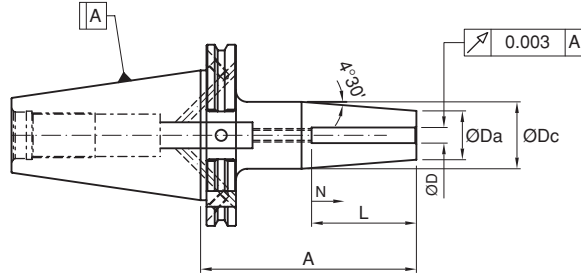
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		ØD	ØDa	ØDc	L	A	N
IT40 SGT06 80	○	6	21	27	36	80	10
IT40 SGT08 80	○	8	21	27	36	80	10
IT40 SGT10 80	○	10	24	32	42	80	10
IT40 SGT12 80	○	12	24	32	47	80	10
IT40 SGT14 80	○	14	27	34	47	80	10
IT40 SGT16 80	○	16	27	34	50	80	10
IT40 SGT18 80	○	18	33	42	50	80	10
IT40 SGT20 80	○	20	33	42	52	80	10
IT40 SGT25 80	○	25	44	53	58	80	10
IT40 SGT06 120	○	6	21	27	36	120	10
IT40 SGT08 120	○	8	21	27	36	120	10
IT40 SGT10 120	○	10	24	32	42	120	10
IT40 SGT12 120	○	12	24	32	47	120	10
IT40 SGT14 120	○	14	27	34	47	120	10
IT40 SGT16 120	○	16	27	34	50	120	10
IT40 SGT18 120	○	18	33	42	50	120	10
IT40 SGT20 120	○	20	33	42	52	120	10
IT40 SGT25 120	○	25	44	53	58	120	10
IT40 SGT06 160	○	6	21	27	36	160	10
IT40 SGT08 160	○	8	21	27	36	160	10
IT40 SGT10 160	○	10	24	32	42	160	10
IT40 SGT12 160	○	12	24	32	47	160	10
IT40 SGT14 160	○	14	27	34	47	160	10
IT40 SGT16 160	○	16	27	34	50	160	10
IT40 SGT18 160	○	18	33	42	50	160	10
IT40 SGT20 160	○	20	33	42	52	160	10
IT40 SGT25 160	○	25	44	53	58	160	10

● Stokta Mevcut / In stock

● Siparişten sonra 2 hafta / 2 weeks upon the date of order

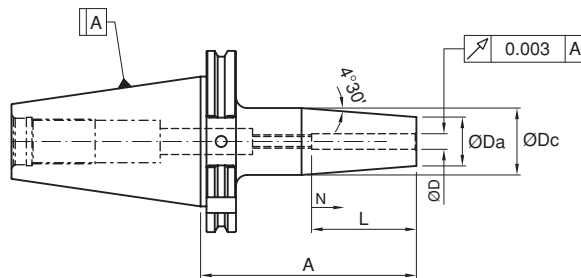
○ Siparişten sonra 4 hafta / 4 weeks upon the date of order

Clamping Chuck IT40 B DIN 69871 B



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		ØD	ØDa	ØDc	L	A	N
IT40 SGT06 80 B	○	6	21	27	36	80	10
IT40 SGT08 80 B	○	8	21	27	36	80	10
IT40 SGT10 80 B	○	10	24	32	42	80	10
IT40 SGT12 80 B	○	12	24	32	47	80	10
IT40 SGT14 80 B	○	14	27	34	47	80	10
IT40 SGT16 80 B	○	16	27	34	50	80	10
IT40 SGT18 80 B	○	18	33	42	50	80	10
IT40 SGT20 80 B	○	20	33	42	52	80	10
IT40 SGT25 80 B	○	25	44	53	58	80	10
IT40 SGT06 120 B	○	6	21	27	36	120	10
IT40 SGT08 120 B	○	8	21	27	36	120	10
IT40 SGT10 120 B	○	10	24	32	42	120	10
IT40 SGT12 120 B	○	12	24	32	47	120	10
IT40 SGT14 120 B	○	14	27	34	47	120	10
IT40 SGT16 120 B	○	16	27	34	50	120	10
IT40 SGT18 120 B	○	18	33	42	50	120	10
IT40 SGT20 120 B	○	20	33	42	52	120	10
IT40 SGT25 120 B	○	25	44	53	58	120	10
IT40 SGT06 160 B	○	6	21	27	36	160	10
IT40 SGT08 160 B	○	8	21	27	36	160	10
IT40 SGT10 160 B	○	10	24	32	42	160	10
IT40 SGT12 160 B	○	12	24	32	47	160	10
IT40 SGT14 160 B	○	14	27	34	47	160	10
IT40 SGT16 160 B	○	16	27	34	50	160	10
IT40 SGT18 160 B	○	18	33	42	50	160	10
IT40 SGT20 160 B	○	20	33	42	52	160	10
IT40 SGT25 160 B	○	25	44	53	58	160	10

Clamping Chuck IT50 DIN 69871



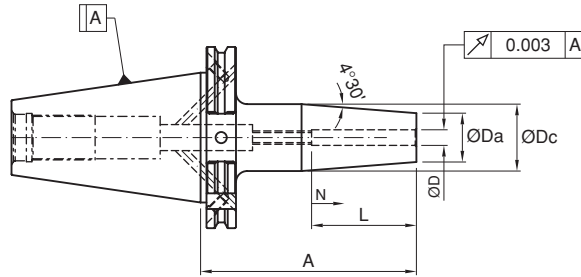
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		ØD	ØDa	ØDc	L	A	N
IT50 SGT06 80	○	6	21	27	36	80	10
IT50 SGT08 80	○	8	21	27	36	80	10
IT50 SGT10 80	○	10	24	32	42	80	10
IT50 SGT12 80	○	12	24	32	47	80	10
IT50 SGT14 80	○	14	27	34	47	80	10
IT50 SGT16 80	○	16	27	34	50	80	10
IT50 SGT18 80	○	18	33	42	50	80	10
IT50 SGT20 80	○	20	33	42	52	80	10
IT50 SGT25 90	○	25	44	53	58	90	10
IT50 SGT32 90	○	32	44	53	62	90	10
IT50 SGT06 120	○	6	21	27	36	120	10
IT50 SGT08 120	○	8	21	27	36	120	10
IT50 SGT10 120	○	10	24	32	42	120	10
IT50 SGT12 120	○	12	24	32	47	120	10
IT50 SGT14 120	○	14	27	34	47	120	10
IT50 SGT16 120	○	16	27	34	50	120	10
IT50 SGT18 120	○	18	33	42	50	120	10
IT50 SGT20 120	○	20	33	42	52	120	10
IT50 SGT25 120	○	25	44	53	58	120	10
IT50 SGT32 120	○	32	44	53	62	120	10

● Stokta Mevcut / In stock

⌚ Siparişten sonra 2 hafta / 2 weeks upon the date of order

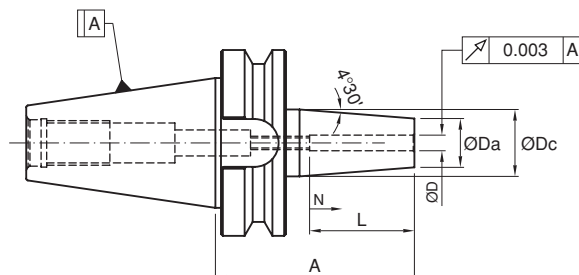
○ Siparişten sonra 4 hafta / 4 weeks upon the date of order

Clamping Chuck IT50 B DIN 69871 B



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		$\varnothing D$	$\varnothing D_a$	$\varnothing D_c$	L	A	N
IT50 SGT06 80 B	○	6	21	27	36	80	10
IT50 SGT08 80 B	○	8	21	27	36	80	10
IT50 SGT10 80 B	○	10	24	32	42	80	10
IT50 SGT12 80 B	○	12	24	32	47	80	10
IT50 SGT14 80 B	○	14	27	34	47	80	10
IT50 SGT16 80 B	○	16	27	34	50	80	10
IT50 SGT18 80 B	○	18	33	42	50	80	10
IT50 SGT20 80 B	○	20	33	42	52	80	10
IT50 SGT25 90 B	○	25	44	53	58	90	10
IT50 SGT32 90 B	○	32	44	53	62	90	10
IT50 SGT06 120 B	○	6	21	27	36	120	10
IT50 SGT08 120 B	○	8	21	27	36	120	10
IT50 SGT10 120 B	○	10	24	32	42	120	10
IT50 SGT12 120 B	○	12	24	32	47	120	10
IT50 SGT14 120 B	○	14	27	34	47	120	10
IT50 SGT16 120 B	○	16	27	34	50	120	10
IT50 SGT18 120 B	○	18	33	42	50	120	10
IT50 SGT20 120 B	○	20	33	42	52	120	10
IT50 SGT25 120 B	○	25	44	53	58	120	10
IT50 SGT32 120 B	○	32	44	53	62	120	10

Clamping Chuck BT40 MAS403



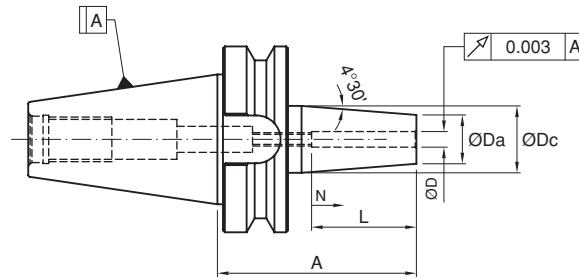
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		ØD	ØDa	ØDc	L	A	N
BT40 SGT06 80	○	6	21	27	36	90	10
BT40 SGT08 80	○	8	21	27	36	90	10
BT40 SGT10 80	○	10	24	32	42	90	10
BT40 SGT12 80	○	12	24	32	47	90	10
BT40 SGT14 80	○	14	27	34	47	90	10
BT40 SGT16 80	○	16	27	34	50	90	10
BT40 SGT18 80	○	18	33	42	50	90	10
BT40 SGT20 80	○	20	33	42	52	90	10
BT40 SGT25 100	○	25	44	53	58	100	10
BT40 SGT06 120	○	6	21	27	36	120	10
BT40 SGT08 120	○	8	21	27	36	120	10
BT40 SGT10 120	○	10	24	32	42	120	10
BT40 SGT12 120	○	12	24	32	47	120	10
BT40 SGT14 120	○	14	27	34	47	120	10
BT40 SGT16 120	○	16	27	34	50	120	10
BT40 SGT18 120	○	18	33	42	50	120	10
BT40 SGT20 120	○	20	33	42	52	120	10
BT40 SGT25 120	○	25	44	53	58	120	10
BT40 SGT06 160	○	6	21	27	36	160	10
BT40 SGT08 160	○	8	21	27	36	160	10
BT40 SGT10 160	○	10	24	32	42	160	10
BT40 SGT12 160	○	12	24	32	47	160	10
BT40 SGT14 160	○	14	27	34	47	160	10
BT40 SGT16 160	○	16	27	34	50	160	10
BT40 SGT18 160	○	18	33	42	50	160	10
BT40 SGT20 160	○	20	33	42	52	160	10
BT40 SGT25 160	○	25	44	53	58	160	10

● Stokta Mevcut / In stock

⦿ Siparişten sonra 2 hafta / 2 weeks upon the date of order

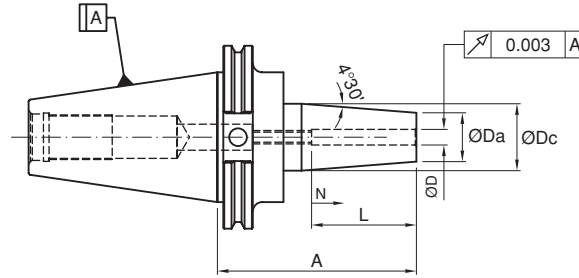
○ Siparişten sonra 4 hafta / 4 weeks upon the date of order

Clamping Chuck BT50 MAS403



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		ØD	ØDa	ØDc	L	A	N
BT50 SGT06 100	○	6	21	27	36	100	10
BT50 SGT08 100	○	8	21	27	36	100	10
BT50 SGT10 100	○	10	24	32	42	100	10
BT50 SGT12 100	○	12	24	32	47	100	10
BT50 SGT14 100	○	14	27	34	47	100	10
BT50 SGT16 100	○	16	27	34	50	100	10
BT50 SGT18 100	○	18	33	42	50	100	10
BT50 SGT20 100	○	20	33	42	52	100	10
BT50 SGT25 110	○	25	44	53	58	110	10
BT50 SGT32 110	○	32	44	53	62	110	10
BT50 SGT06 120	○	6	21	27	36	120	10
BT50 SGT08 120	○	8	21	27	36	120	10
BT50 SGT10 120	○	10	24	32	42	120	10
BT50 SGT12 120	○	12	24	32	47	120	10
BT50 SGT14 120	○	14	27	34	47	120	10
BT50 SGT16 120	○	16	27	34	50	120	10
BT50 SGT18 120	○	18	33	42	50	120	10
BT50 SGT20 120	○	20	33	42	52	120	10
BT50 SGT25 120	○	25	44	53	58	120	10
BT50 SGT32 120	○	32	44	53	62	120	10
BT50 SGT06 160	○						
		6	21	27	36	160	10
BT50 SGT08 160	○	8	21	27	36	160	10
BT50 SGT10 160	○	10	24	32	42	160	10
BT50 SGT12 160	○	12	24	32	47	160	10
BT50 SGT14 160	○	14	27	34	47	160	10
BT50 SGT16 160	○	16	27	34	50	160	10
BT50 SGT18 160	○	18	33	42	50	160	10
BT50 SGT20 160	○	20	33	42	52	160	10
BT50 SGT25 160	○	25	44	53	58	160	10
BT50 SGT32 160	○	32	44	53	62	160	10

Clamping Chuck CAT40 ANSI



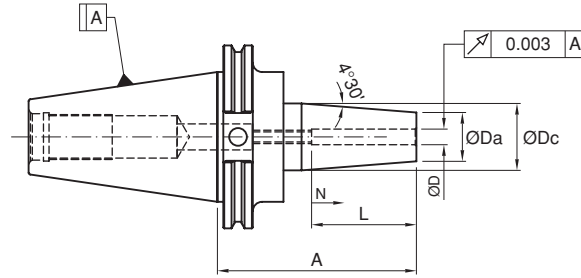
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		ØD	ØDa	ØDc	L	A	N
CAT40 SGT06 95	○	6	21	27	36	95	10
CAT40 SGT08 95	○	8	21	27	36	95	10
CAT40 SGT10 95	○	10	24	32	42	95	10
CAT40 SGT12 95	○	12	24	32	47	95	10
CAT40 SGT14 95	○	14	27	34	47	95	10
CAT40 SGT16 95	○	16	27	34	50	95	10
CAT40 SGT18 95	○	18	33	42	50	95	10
CAT40 SGT20 95	○	20	33	42	52	95	10
CAT40 SGT25 110	○	25	44	53	58	110	10
CAT40 SGT06 120	○	6	21	27	36	120	10
CAT40 SGT08 120	○	8	21	27	36	120	10
CAT40 SGT10 120	○	10	24	32	42	120	10
CAT40 SGT12 120	○	12	24	32	47	120	10
CAT40 SGT14 120	○	14	27	34	47	120	10
CAT40 SGT16 120	○	16	27	34	50	120	10
CAT40 SGT18 120	○	18	33	42	50	120	10
CAT40 SGT20 120	○	20	33	42	52	120	10
CAT40 SGT25 120	○	25	44	53	58	120	10
CAT40 SGT06 160	○	6	21	27	36	160	10
CAT40 SGT08 160	○	8	21	27	36	160	10
CAT40 SGT10 160	○	10	24	32	42	160	10
CAT40 SGT12 160	○	12	24	32	47	160	10
CAT40 SGT14 160	○	14	27	34	47	160	10
CAT40 SGT16 160	○	16	27	34	50	160	10
CAT40 SGT18 160	○	18	33	42	50	160	10
CAT40 SGT20 160	○	20	33	42	52	160	10
CAT40 SGT25 160	○	25	44	53	58	160	10

● Stokta Mevcut / In stock

● Siparişten sonra 2 hafta / 2 weeks upon the date of order

○ Siparişten sonra 4 hafta / 4 weeks upon the date of order

Clamping Chuck CAT50 ANSI



Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm					
		ØD	ØDa	ØDc	L	A	N
CAT50 SGT06 95	○	6	21	27	36	95	10
CAT50 SGT08 95	○	8	21	27	36	95	10
CAT50 SGT10 95	○	10	24	32	42	95	10
CAT50 SGT12 95	○	12	24	32	47	95	10
CAT50 SGT14 95	○	14	27	34	47	95	10
CAT50 SGT16 95	○	16	27	34	50	95	10
CAT50 SGT18 95	○	18	33	42	50	95	10
CAT50 SGT20 95	○	20	33	42	52	95	10
CAT50 SGT25 105	○	25	44	53	58	105	10
CAT50 SGT32 105	○	32	44	53	62	105	10
CAT50 SGT06 120	○	6	21	27	36	120	10
CAT50 SGT08 120	○	8	21	27	36	120	10
CAT50 SGT10 120	○	10	24	32	42	120	10
CAT50 SGT12 120	○	12	24	32	47	120	10
CAT50 SGT14 120	○	14	27	34	47	120	10
CAT50 SGT16 120	○	16	27	34	50	120	10
CAT50 SGT18 120	○	18	33	42	50	120	10
CAT50 SGT20 120	○	20	33	42	52	120	10
CAT50 SGT25 120	○	25	44	53	58	120	10
CAT50 SGT32 120	○	32	44	53	62	120	10
CAT50 SGT06 160	○	6	21	27	36	160	10
CAT50 SGT08 160	○	8	21	27	36	160	10
CAT50 SGT10 160	○	10	24	32	42	160	10
CAT50 SGT12 160	○	12	24	32	47	160	10
CAT50 SGT14 160	○	14	27	34	47	160	10
CAT50 SGT16 160	○	16	27	34	50	160	10
CAT50 SGT18 160	○	18	33	42	50	160	10
CAT50 SGT20 160	○	20	33	42	52	160	10
CAT50 SGT25 160	○	25	44	53	58	160	10
CAT50 SGT32 160	○	32	44	53	62	160	10

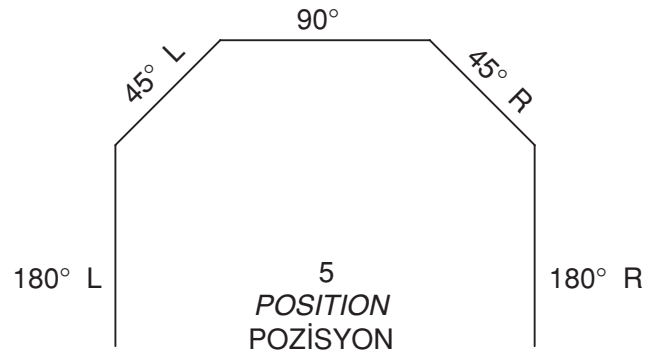
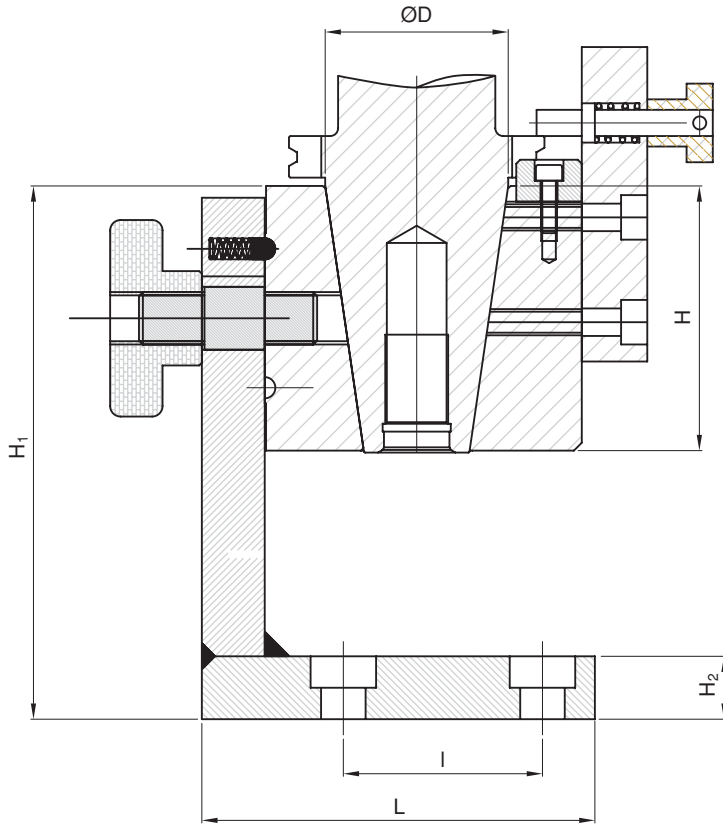
Tool connection and disconnection fixture Takım bağlama ve sökme fikstürü (Aparat)

FUNCTIONS

1. It provides the possibility of easily mounting and dismounting of cutting tools.
2. You can use tool dismounting and mounting fixture by adjusting 5 different position.
3. It has been designed to get maximum usage friendly.
4. It has been designed to be assembled on any tool table or worktable.
5. Toolholder fixture provides extra assurance.
6. The side of toolholder has been hardened and processed delicately.

ÖZELLİĞİ

1. Kesici takımların ve pull studların kolayca sökölüp takılabilmesine olanak verir.
2. Takım sökme ve takma fikstürünü 5 değişik pozisyonda ayarlayıp kullanabilirsiniz.
3. Maximum kullanım kolaylığına olanak verecek şekilde dizayn edilmiştir.
4. İş masasına veya herhangi bir takım masasına kolayca monte edilebilecek şekilde dizayn edilmiştir.
5. Takım tutucu fiksleyicisi ayrıca extra emniyeti sağlar.
6. Takım tutucu kısmı sertleştirilmiş ve hassas işlenmiştir.

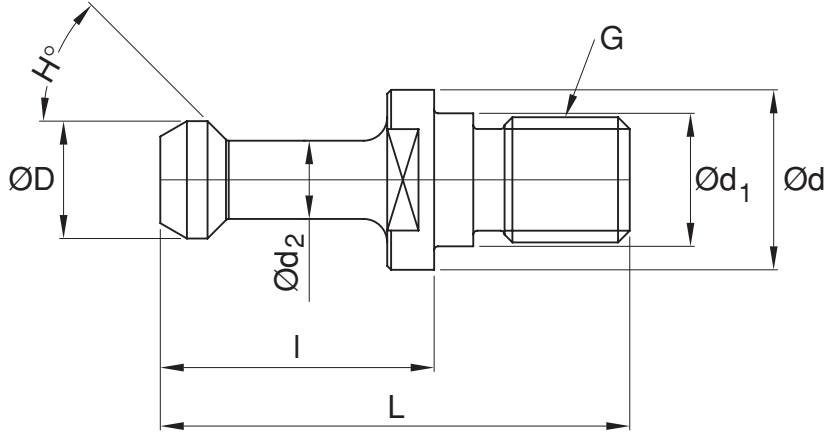


Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm						
		Position Özelliği	ØD	H	H ₁	H ₂	L	I
ISO40 TTF 180	○	180° Döner Tip	44.45	60	130	16	100	50
ISO40 TTF 90	○	Sabit	44.45	60	—	—	—	—
ISO50 TTF 180	○	180° Döner Tip	69.85	70	150	16	140	80
ISO50 TTF 90	○	Sabit	69.85	70	—	—	—	—

PULL STUD Çekme Vidası

High Precision

Yüksek hassasiyet



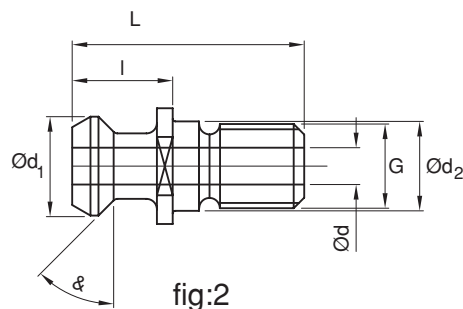
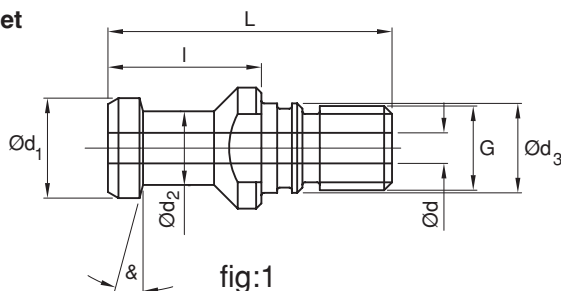
Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm								Machine Type Makina Tipi
		ØD	Ød	Ød_1	Ød_2	L	I	G	H°	
PS 1T	○	15	23	17	10	60	35	M16	45°	BT40 - I Standart
PS 2T	○	15	23	17	10	60	35	M16	60°	BT40 - II Standart
PS 3T	○	19	31	21	14	70	40	M20	45°	BT45 - I Standart
PS 4T	○	19	31	21	14	70	40	M20	60°	BT45 - II Standart
PS 5T	○	23	38	25	17	85	45	M24	45°	BT50 - I Standart
PS 6T	○	23	38	25	17	85	45	M24	60°	BT50 - II Standart
PS 8T	○	15	23	17	10	108	35	M16	45°	BT40 - I - MTB4
PS 10T	○	15	23	17	10	108	35	M16	60°	BT40 - II - MTB4
PS 15T	○	23	38	25	17	157	45	M24	45°	BT50 - I - MTB5
PS 61T	○	23	38	25	17	157	45	M24	60°	BT50 - II - MTB5
PS 0T	○	23	38	25	17	85	45	M24	90°	BT50 - 90°
PS 02T	○	19	31	21	14	70	40	M20	90°	BT45 - 90°
PS 05T	○	19	31	21	14	125	40	M20	90°	BT45 - 90° - MTB4
PS 08T	○	15	23	17	10	60	35	M16	90°	BT40 - 90°
PS PT	○	24	36	25	18	71	31	M24	90°	BT50MITSUISEKI
PS P5T	○	15	23	17	10	50	25	M16	90°	BT40MITSUISEKI
PS G4T	○	29	37	25	21	65.2	25.2	M24	45°	BT50 MAZAK
PS G5T	○	18.8	22	17	12.4	44.1	19.1	M16	45°	BT40 MAZAK
PS S2T	○	25	39	25	18	95	55	M24	60°	SIN NIPPON
PS B1T	○	22	38	25	16	112	72	M24	60°	OKUMA
PS H1T	○	22	38	25	17	111	73	M24	45°	HITACHI
PS 80T 50	○	28	38	25	21	74	34	M24	75°	BT50
PS 80T 40	○	19	23	17	14	54	29	M16	75°	BT40
PS CT	○	21	39	25	15	105.1	63.1	M24	45°	BT50 HITACHI
PS 30T	○	15	23	17	11	60	35	M16	60°	BT40 TSUGAMI
PS 302T	○	19	23	17	14	54	26	M16	75°	BT40 TSUGAMI
PS Q4T	○	15	23	17	10	62.85	37.85	M16	45°	BT40 OKADA
PS Q5T	○	15	23	17	10	60.3	35.3	M16	45°	BT40 OKADA
PS Q6T	○	15	23	17	10	52.5	27.5	M16	45°	BT40 OKADA
PS 309T	○	19	23	17	14	54	26	M16	75°	IT40 DIN 69872 Ø7 Delik
PS 512T	○	28	36	25	21	74	34	M24	75°	IT50 DIN 69872 Ø11.5 Delik
PS A1T	○	19	23	17	14	54	26	M16	75°	IT40 ISO-7388-A Ø7 Delik
PS A3T	○	28	36	25	21	74	34	M24	75°	IT50 ISO-7388-A Ø11 Delik
PS A4T	○	18.95	22.5	17	12.95	44.5	16.4	M16	45°	IT40 ISO-7388-B Ø7.35 Delik
PS A6T	○	29.1	37	25	19.6	65.5	25.55	M24	45°	IT50 ISO-7388-B Ø11.55 Delik

PULL STUD

CATERPILLAR (A.N.S.I.) B5 50 CAT Tutucular için / for holder DIN 69871 A ve B Tutucular için Çektirme Vidası / pull stud for holders

High Precision

Yüksek hassasiyet



CATERPILLAR (A.N.S.I.) B5 50 CAT tutucuları için / for holders

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm									Holder Type Tutucu Tipi
		Ød ₁	Ød ₂	Ød ₃	L	I	G	Ød	&	Fig	
PS 212 CAT	○	18.95	17	12.9	38	16.2	M16	7	15°	2	(A.N.S.I.) B.5
PS 312 CAT	○	24.05	21	16.2	48	20.8	M20	9.5	15°	2	(A.N.S.I.) B.5
PS 412 CAT	○	29.10	25	19.05	59	25.4	M24	11.5	15°	2	(A.N.S.I.) B.5

DIN 69872 FORM A DIN 69871-A Tutucular için / for holders

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm									Holder Type Tutucu Tipi
		Ød ₁	Ød ₂	Ød ₃	L	I	G	Ød	&	Fig	
PS 213 IT	○	19	17		54	26	M16	7	15°	1	DIN 69871-A IT40
PS 313 IT	○	23	21		65	30	M20	9.5	15°	1	DIN 69871-A IT45
PS 413 IT	○	28	25		74	34	M24	11.5	15°	1	DIN 69871-A IT50

DIN 69872 FORM B DIN 69871-B Tutucular için / for holders

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm									Holder Type Tutucu Tipi
		Ød ₁	Ød ₂	Ød ₃	L	I	G	Ød	&	Fig	
PS 214 IT	○	19	17		54	26	M16	7	45°	2	DIN 69871-A IT40
PS 314 IT	○	23	21		65	30	M20	9.5	45°	2	DIN 69871-A IT45
PS 414 IT	○	28	25		74	34	M24	11.5	45°	2	DIN 69871-A IT50

ISO 7388/2 TİP A - 1983

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm									Holder Type Tutucu Tipi
		Ød ₁	Ød ₂	Ød ₃	L	I	G	Ød	&	Fig	
PS 215T	○	19			55	26	M16	7	45°	2	ISO 7388 IT40-983
PS 315T	○	23			65	30	M20	9.5	45°	2	ISO 7388 IT45-983
PS 415T	○	28			74	34	M24	11.5	45°	2	ISO 7388 IT50-983

ISO 7388/2 TİP B - 1983

Ordering No. Takım Kod No.	Stock Stok	Dimension Ölçüler mm									Holder Type Tutucu Tipi
		Ød ₁	Ød ₂	Ød ₃	L	I	G	Ød	&	Fig	
PS 215T	○	18.95			44.5	26	M16	7	45°	2	ISO 7388 IT40-983
PS 315T	○	24.05			56	30	M20	9.5	45°	2	ISO 7388 IT45-983
PS 415T	○	29.10			65.5	34	M24	11.5	45°	2	ISO 7388 IT50-983