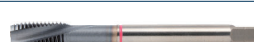
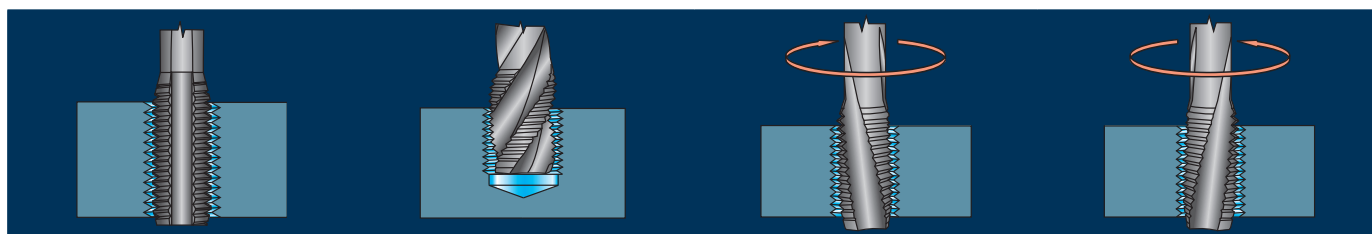


			ART.	DIMENSIONE FILETTO THREAD SIZE	LUNGHEZZA FILETTO THREAD LENGTH	ANGOLO ELICA ANGLE FLUTES	MATERIALE MATERIAL	Materiali - Materials Pag. 1119						Pag.					
								P	M	K	N	S	H						
FILETTATURA (M) - THREAD (M)																			
		VP		MSA107..VP M..	2-52	3xD	0°	HSSE	●				○		678				
		VP		MSA407..VP M..	2-52	2,5xD	40°	HSSE	●				○		679				
		TIN		MSA107..TN M..	2-30	3xD	0°	HSSE	●						680				
		TIN		MSA407..TN M..	2-30	2,5xD	40°	HSSE	●						681				
		TT		MSU02007..STN M..	3-24	3xD	0°	PM3	●	●	●	●	●		682				
		TT		MSU15007..STN M..	3-30	3xD	45°	PM3	●	●	●	●	○		683				
		TT		MSU15007..STNW M..	6-30	3,5xD	45°	PM3	●	●	●	●	○		684				
		TIN		MSA20XLTC.. M..	4-16	3xD	0°	HSSE	●				○	○	685				
		TICN		MSA40XLTC.. M..	4-16	2,5xD	40°	HSSE	●				○	○	686				
		TIALN + C		MSR207..TL M..	3-16	3xD	0°	PM3		●			○		687				
		TIALN + C		MSR307..TB M..	3-16	1,5xD	15°	PM3		●			○		688				
		TIALN + C		MSR407..TL M..	3-16	2,5xD	40°	PM3	○	●			○		689				
		TIALN + C		MSI207..TB M..	3-24	3xD	0°	HSSV3	●		●				690				
		TIALN + C		MSI407..TB M..	3-16	3,5xD	48°	HSSV3	●		●				691				
		SNS		MSG107..SNS M..	3-24	3xD	0°	HSSE				●	○		692				
		TIALN		MSG01007..TL M..	4-24	3xD	0°	PM3				●	○		693				
		TIALN		MSG01007..TLW M..	6-24	3,5xD	0°	PM3				●	○		694				
		TIALN		MSG18007..TL M..	6-24	3xD	0°	PM3				●	○		695				
		TIALN		MSG18007..TLW M..	6-24	3,5xD	0°	PM3				●	○		696				
		VX		MSN107..VP M..	3-16	3xD	0°	HSSE					●		697				
		VX		MSN407..VP M..	3-16	3xD	45°	HSSE					●		698				
		TICN		MST807..TC M..	3-16	3xD	15°	PM3						●	699				
		TICN		MST307..TC M..	3-16	1,5xD	15°	PM3						●	700				
		TIN		MSA507..TN M..	3-16	3xD	—	PM3	●	○	●		●	●	701				

				ART.	DIMENSIONE FILETTO THREAD SIZE	LUNGHEZZA FILETTO THREAD LENGTH	ANGOLO ELICA ANGLE FLUTES	MATERIALE MATERIAL	Materiali - Materials Pag. 1119						Pag.				
									P	M	K	N	S	H					
FILETTATURA (M) - THREAD (M)																			
	NEW	TIN		MSK06007..TG M..	3-16	3xD	—	PM8	○	●	●		○	●		702			
FILETTATURA (M) / GAMBO h6 - THREAD (M) / h6 SHANK																			
				MSG0100NITBW-h6 M..	6-20	3,5xD	0°	PM3	●			●				704			
FILETTATURA (MF) - THREAD (MF)																			
		VP		MSA217..VP MF..	4-24	3xD	0°	HSEE	●				○			706			
		VP		MSA417..VP MF..	4-24	2,5xD	40°	HSEE	●				○			707			
		TT		MSU020174STN MF..	8-24	3xD	0°	PM3	●	●	●	●	●			708			
		TT		MSU150174STN MF..	8-24	3xD	45°	PM3	●	●	●	●	○			709			
		TT		MSU150174STNW MF..	8-24	3,5xD	45°	PM3	●	●	●	●	○			710			
		TIALN + C		MSI2174TB MF..	8-24	3xD	0°	HSSV3	●		●					711			
		TIALN + C		MSI4174TB MF..	8-24	3xD	48°	HSSV3	○		●					712			
		SNS		MSG117..SNS MF..	8-30	3xD	0°	HSSV3				●	○			713			
		TIALN		MSG010174TL MF..	8-24	3xD	0°	PM3				●	○			714			
		TIALN		MSG010174TLW MF..	8-24	3,5xD	0°	PM3				●	○			715			
FILETTATURA (UNC) - THREAD (UNC)																			
		VP		MSA2376VP UNC..	1/4-1"	3xD	0°	HSSV3	●				○			718			
		VP		MSA4376VP UNC..	1/4-1"	2,5xD	40°	HSSV3	●				○			719			
		TT		MSU02037..STN UNC..	4-1"	3xD	0°	PM3	●	●	●	●	●			720			
		TT		MSU15037..STN UNC..	4-1"	3xD	45°	PM3	●	●	●	●	○			721			
		TT		MSU15037..STNW UNC..	1/4-1"	3,5xD	45°	PM3	●	●	●	●	○			722			
		TIALN + C		MSI02037..TB UNC..	1/4-5/8	3xD	0°	HSSV3	●		●					723			
		TIALN + C		MSI16037..TB UNC..	1/4-5/8	3,5xD	48°	HSSV3	●		●					724			
		SNS		MSG1376SNS UNC..	5/16-1"	3xD	0°	HSSE				●	○			725			



			ART.	DIMENSIONE FILETTO THREAD SIZE	LUNGHEZZA FILETTO THREAD LENGTH	ANGOLO ELICA ANGLE FLUTES	MATERIALE MATERIAL	Materiali - Materials Pag. 1119						Pag.	
								P	M	K	N	S	H		
FILETTATURA (UNF) - THREAD (UNF)															
		VP		MSA2474VP UNF..	1/4-1"	3xD	0°	HSSE	●				○		728
		VP		MSA4474VP UNF..	1/4-1"	2,5xD	40°	HSSE	●				○		729
		TT		MSU02047..STN UNF..	4-1"	3xD	0°	PM3	●	●	●	●	●		730
		TT		MSU15047..STN UNF..	4-1"	3xD	45°	PM3	●	●	●	●	○		731
		TT		MSU15047..STNW UNF..	1/4-1"	3,5xD	45°	PM3	●	●	●	●	○		732
		TIALN + C		MSI02047..TB UNF..	1/4-5/8	3xD	0°	HSSV3	●		●				733
		TIALN + C		MSI16047..TB UNF..	1/4-5/8	3,5xD	48°	HSSV3	●		●				734
		SNS		MSG1474SNS UNF..	1/4-1"	3xD	0°	HSSE				●	○		735
FILETTATURA (GAS) - THREAD (GAS)															
		VP		MSA2256VP G..	1/8-1"	3xD	0°	HSSE	●				○		738
		VP		MSA4256VP G..	1/8-1"	2,5xD	40°	HSSE	●				○		739
		TT		MSU020256STN G..	1/8-3/4	3xD	0°	PM3	●	●	●	●	●		740
		TT		MSU150256STN G..	1/8-1"	3xD	45°	PM3	●	●	●	●	○		741
		TT		MSU150256STNW G..	1/8-1"	3,5xD	45°	PM3	●	●	●	●	○		742
		TIALN + C		MSI020256TB G..	1/8-3/4	3xD	0°	HSSV3	●		●				743
		TIALN + C		MSI160256TB G..	1/8-1"	3,5xD	48°	HSSV3	●		●				744
		SNS		MSG1256SNS G..	1/8-1"	3xD	0°	HSSE				●	○		745
FILETTATURA (NPT/NPTF) - THREAD (NPT/NPTF)															
		-		MSA15LNBR NPT..	1/8-1"	—	0°	HSSE	●						748
		-		MSA16LNBR NPTF..	1/8-1"	—	0°	HSSE	●						749
DISTRUGGI MASCHI - TAP DESTROYING TOOL															
		TIN		SKR01M..	3,3-17,5	—	0°	—	—	—	—	—	—	—	752

SIMBOLOGIA - SYMBOL - SYMBOLE - SYMBOLES

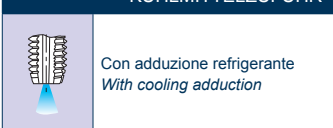
RIVESTIMENTI - COATED - BESCHICHTUNG - RECOUVREMENT

RIVESTIM. COATED SNS	TiCN: Indicata per la filettatura di materiali abrasivi (Ghisa Grigia) e su bronzo a truciolo corto. Autolubrificante. tenacità alta con coefficiente d'attrito molto basso (0,1) TiCN: Suitable for thread cutting of abrasive materials. (Grey cast iron) and on bronze at short shaving. Self lubricating. High toughness with very low coefficient of friction (0,1)	RIVESTIM. COATED VP	Vaporizzazione: Lo strato di Ossido di Ferro è molto tenace e favorisce, con la sua porosità, la lubrificazione trattenendo l'olio da taglio. Si evita così il grippaggio, a bassa/media velocità. Steam tempering: The layer of Iron Oxide is very tough and its porosity improves lubrication, holding the cutting oil. This avoids seizures at low to medium speeds.
RIVESTIM. COATED TiCN	TiCN: Durezza: 3000HV; t°max:450°C; Coeff. Attrito: 0,3 Maggiore resistenza all'usura rispetto al TiN, indicato per lavorazioni con elevato sviluppo di calore. Adatto alla lavorazione di ghisa a medio-alte velocità. TiCN: Hardness: 300HV; max t°:450 °C; friction coefficient: 0,3. Better resistance to wear comparison to TiN, suitable for working with higher heat development. Suitable for working with cast iron at medium to high speeds.	RIVESTIM. COATED VX	Vaporizzazione Super: Evoluzione della classica vaporizzazione. Trova applicazione su alluminio a basso contenuto di silicio, acciai dolci e materiali teneri. Super vaporization: Evolution of traditional vaporization. Suitable for low-silicon aluminium, mild steel and soft materials.
RIVESTIM. COATED TiAlN+C	TiAlN + Carbon: Rivestimento adatto allo scorrimento del truciolo, resistente all'usura e all'ossidazione, adatto per la lavorazione di acciaio inox e alluminio con alto contenuto di silicio, consigliato per maschiatura di fori ciechi profondi. TiAlN + Carbon: Coating ideal for the chip to slide over, wear and oxidation resistant, suitable for machining stainless steel and aluminium with a high silicon content, recommended for tapping deep blind holes.	RIVESTIM. COATED TiN	TiN: Durezza: 2500HV; t°max:500°C; Coeff. Attrito: 0,4 Quindi alta resistenza all'usura con velocità di taglio sensibilmente più alte e miglior produzione e risultati. TiN: Hardness: 2500HV; max t°:500 °C; friction coefficient: 0,4. Therefore high resistance to use at slightly higher cutting speeds and better production and results.
RIVESTIM. COATED TiAlN	TiAlN: Rivestimento resistente all'usura e all'ossidazione, adatto per lavorazioni di materiali abrasivi (ghisa), lavorazioni a secco e per alte velocità di taglio. TiAlN: Wear and oxidation resistant coating suitable for machining abrasive materials (cast iron), dry machining and for high cutting speeds.	RIVESTIM. COATED Tt	TiN + TiAlN: Nuovo rivestimento resistente all'usura (favorisce lo scorrimento del truciolo), adatto per lavorazioni di acciai basso legati, consigliato per maschiatura compensata. TiN + TiAlN: New wear resistant coating (makes it easier for the chip to slide over), suitable for machining low-alloy steels, recommended for offset tapping

IMBOCCO - CHAMFER - ANSCHNITT - ENTREE

2-3 FILL	2,5 - 3 Filetti d'imbocco. 2,5 - 3 Lead-in threads	4-5 FILL	4 - 5 Filetti d'imbocco. 4 - 5 Lead-in threads
1,5-2 FILL	1,5 - 2 Filetti d'imbocco. (Imbocco corto) 1,5 - 2 Lead-in threads (Short Lead-in)		

ADDUZIONE REFRIGERANTE - COOLING ADDUCTION KÜHLMITTELZUFUHR - AMENEE REFRIGERANT



Con adduzione refrigerante
With cooling adduction

CLASSE - CLASS - KLASSE - CLASSE

HSSE	Acciaio HSSE con 5% di Cobalto impiegato per materiali da lavorare con R ≤ 800 N/mm² HSSE steel with 5% of Cobalt used for materials to work with R ≤ 800 N/mm²	HSSV3	Acciaio HSSV3 con alta percentuale di vanadio impiegato per materiali da lavorare con R < 1000 N/mm² HSSV3 steel with high percentage of vanadium used for materials to be machined with R < 1000 N/mm²
PM3	Acciaio PM sinterizzato ad alto contenuto di Vanadio e Cobalto impiegato per materiali da lavorare con R > 1200 N/mm² Sintered PM steel of a high Vanadium and cobalt content used for materials to work with R > 1200 N/mm²	PM8	Acciaio PM sinterizzato ad alto contenuto di Vanadio e Cobalto impiegato per materiali da lavorare con R > 1000 N/mm² Sintered PM steel of a high Vanadium and cobalt content used for materials to work with R > 1000 N/mm²

TOLLERANZE - TOLERANCE - TOLERANZEN - TOLÉRANCE

TOLL 6HX	Tolleranza 6HX 6HX Tolerance	TOLL 2BX	Tolleranza 2BX 2BX Tolerance
TOLL ISO2 6H	Tolleranza ISO2 6H ISO2 6H Tolerance	TOLL ISO 228	Tolleranza ISO228 ISO228 Tolerance
TOLL 2B	Tolleranza 2B 2B Tolerance	TOLL ISO 228"X"	Tolleranza ISO 228"X" ISO 228"X" Tolerance

TIPO DI FORI DA LAVORARE - TYPE OF HOLES TO BE MACHINED ZU BEARBEITENDE BOHRUNGSTYPEN - TYPE DE TROUS A USINER

	Foro Cieco/Passante Dead/Through hole		Foro Passante Through hole
	Foro Cieco Dead hole		Foro Passante/Cieco profondo Through/Deep dead hole
	Foro Cieco profondo Deep dead hole		

ANGOLO ELICA - FLUTES DEGREES - SPIRALWINKEL - ANGLE HELICE

	15°		15° - elica sinistra 15° - left helice
	40°		45°
	48°		0°
	0° - Imbocco corretto 0° - Correct lead-in		0° - GAS Conico (NPT/NPTF) 0° - GAS Tapered (NPT/NPTF)

CONICITÀ - TAPER KONUS - CONICITÉ

	Conicità Taper
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APPLICAZIONE CONSIGLIATA - RECOMMENDED APPLICATION EMPFOHLENE ANWENDUNG - APPLICATION CONSEILLÉE

	Maschiatura rigida sincronizzata Synchronized rigid tapping		Calettamento Termico Shrinking Fit
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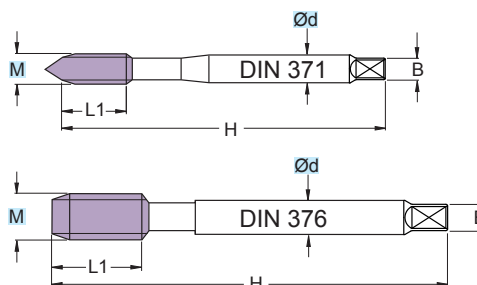
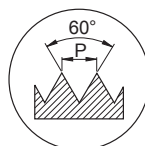


FILETTATURA METRICA ISO PASSO GROSSO (M)

ISO METRIC COARSE SCREW THREAD (M)
GEWINDESCHNEIDEN - METRISCHE ISO GROBGEWINDE (M)
FILETAGE METRIQUE ISO PAS GROS (M)
ROSCA MÉTRICA ISO DE PASO GRUESO (M)

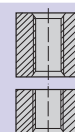
MSA1071VP M.. MSA1076VP M..

M 2 - 52

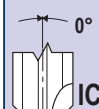


RIVESTIM.
COATED
VP

HSSE



**4-5
FILL**



**TOLL
ISO2
6H**

DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSA1071VP M2	2	0,4	2,8	9	45	2,1	1,6	
MSA1071VP M3	3	0,5	3,5	10	56	2,7	2,5	
MSA1071VP M4	4	0,7	4,5	13	63	3,4	3,3	
MSA1071VP M5	5	0,8	6	13	70	4,9	4,2	
MSA1071VP M6	6	1	6	16	80	4,9	5	
MSA1071VP M8	8	1,25	8	18	90	6,2	6,8	
MSA1071VP M10	10	1,5	10	20	100	8	8,5	

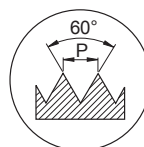
DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSA1076VP M12	12	1,75	9	25	110	7	10,3	
MSA1076VP M14	14	2	11	28	110	9	12	
MSA1076VP M16	16	2	12	28	110	9	14	
MSA1076VP M18	18	2,5	14	33	125	11	15,5	
MSA1076VP M20	20	2,5	16	33	140	12	17,5	
MSA1076VP M22	22	2,5	18	33	140	14,5	19,5	
MSA1076VP M24	24	3	18	39	160	14,5	21	
MSA1076VP M27	27	3	20	39	160	16	24	
MSA1076VP M30	30	3,5	22	46	180	18	26,5	
MSA1076VP M33	33	3,5	25	46	180	20	29,5	
MSA1076VP M36	36	4	28	50	200	22	32	
MSA1076VP M39	39	4	32	50	200	24	35	
MSA1076VP M42	42	4,5	32	55	200	24	37,5	
MSA1076VP M45	45	4,5	36	60	220	29	40,5	
MSA1076VP M48	48	5	36	65	250	29	43	
MSA1076VP M52	52	5	40	65	250	32	47	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

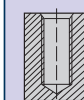
MSA4071VP M..
MSA4076VP M..

M 2 - 52

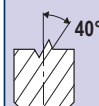


RIVESTIM.
 COATED
VP

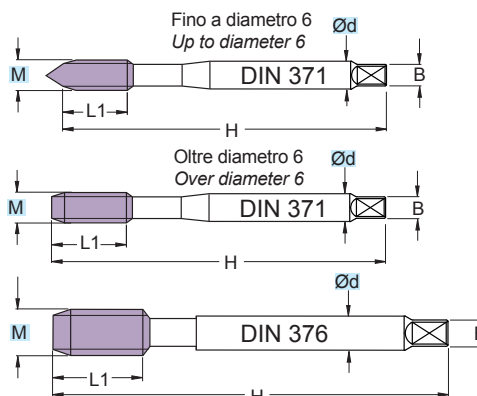
HSSE



**2-3
 FILL**



**TOLL
 ISO2
 6H**



DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSA4071VP M2	2	0,4	2,8	9	45	2,1	1,6	
MSA4071VP M3	3	0,5	3,5	5	56	2,7	2,5	
MSA4071VP M4	4	0,7	4,5	7	63	3,4	3,3	
MSA4071VP M5	5	0,8	6	8	70	4,9	4,2	
MSA4071VP M6	6	1	6	10	80	4,9	5	
MSA4071VP M8	8	1,25	8	13	90	6,2	6,8	
MSA4071VP M10	10	1,5	10	15	100	8	8,5	

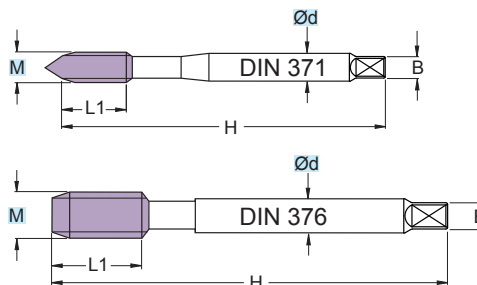
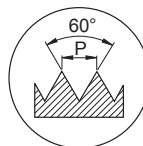
DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSA4076VP M12	12	1,75	9	18	110	7	10,3	
MSA4076VP M14	14	2	11	20	110	9	12	
MSA4076VP M16	16	2	12	20	110	9	14	
MSA4076VP M18	18	2,5	14	25	125	11	15,5	
MSA4076VP M20	20	2,5	16	25	140	12	17,5	
MSA4076VP M22	22	2,5	18	25	140	14,5	19,5	
MSA4076VP M24	24	3	18	30	160	14,5	21	
MSA4076VP M27	27	3	20	30	160	16	24	
MSA4076VP M30	30	3,5	22	35	180	18	26,5	
MSA4076VP M33	33	3,5	25	35	180	20	29,5	
MSA4076VP M36	36	4	28	40	200	22	32	
MSA4076VP M39	39	4	32	40	200	24	35	
MSA4076VP M42	42	4,5	32	40	200	24	37,5	
MSA4076VP M45	45	4,5	36	50	220	29	40,5	
MSA4076VP M48	48	5	36	50	250	29	43	
MSA4076VP M52	52	5	40	50	250	32	47	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

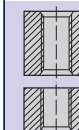
**MSA1071TN M..
 MSA1076TN M..**

M 2 - 30

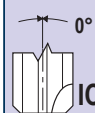


RIVESTIM.
 COATED
TIN

HSSE



**4-5
 FILL**



**TOLL
 ISO2
 6H**

DIN 371	(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA1071TN M2	2	0,4	2,8	9	45	2,1	1,6
MSA1071TN M3	3	0,5	3,5	10	56	2,7	2,5
MSA1071TN M4	4	0,7	4,5	13	63	3,4	3,3
MSA1071TN M5	5	0,8	6	13	70	4,9	4,2
MSA1071TN M6	6	1	6	16	80	4,9	5
MSA1071TN M8	8	1,25	8	18	90	6,2	6,8
MSA1071TN M10	10	1,5	10	20	100	8	8,5

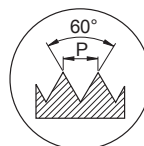
DIN 376	(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA1076TN M12	12	1,75	9	25	110	7	10,3
MSA1076TN M14	14	2	11	28	110	9	12
MSA1076TN M16	16	2	12	28	110	9	14
MSA1076TN M18	18	2,5	14	33	125	11	15,5
MSA1076TN M20	20	2,5	16	33	140	12	17,5
MSA1076TN M22	22	2,5	18	33	140	14,5	19,5
MSA1076TN M24	24	3	18	39	160	14,5	21
MSA1076TN M27	27	3	20	39	160	16	24
MSA1076TN M30	30	3,5	22	46	180	18	26,5

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	20-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

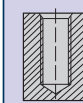
**MSA4071TN M..
 MSA4076TN M..**

M 2 - 30

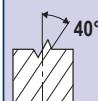


RIVESTIM.
 COATED
TIN

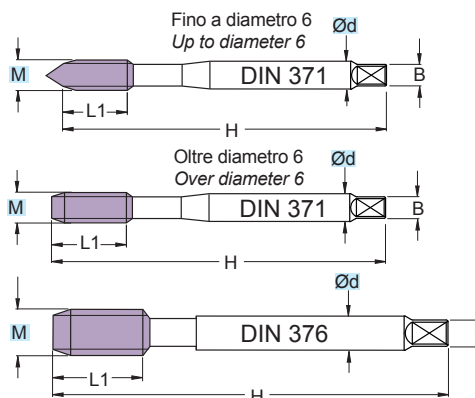
HSSE



**2-3
 FILL**



**TOLL
 ISO2
 6H**



DIN 371 (mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA4071TN M2	2	0,4	2,8	9	45	2,1	1,6
MSA4071TN M3	3	0,5	3,5	5	56	2,7	2,5
MSA4071TN M4	4	0,7	4,5	7	63	3,4	3,3
MSA4071TN M5	5	0,8	6	8	70	4,9	4,2
MSA4071TN M6	6	1	6	10	80	4,9	5
MSA4071TN M8	8	1,25	8	13	90	6,2	6,8
MSA4071TN M10	10	1,5	10	15	100	8	8,5

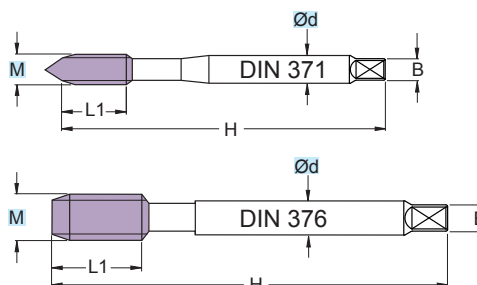
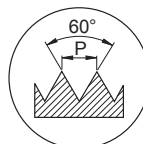
DIN 376 (mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA4076TN M12	12	1,75	9	18	110	7	10,3
MSA4076TN M14	14	2	11	20	110	9	12
MSA4076TN M16	16	2	12	20	110	9	14
MSA4076TN M18	18	2,5	14	25	125	11	15,5
MSA4076TN M20	20	2,5	16	25	140	12	17,5
MSA4076TN M22	22	2,5	18	25	140	14,5	19,5
MSA4076TN M24	24	3	18	30	160	14,5	21
MSA4076TN M27	27	3	20	30	160	16	24
MSA4076TN M30	30	3,5	22	35	180	18	26,5

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	20-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

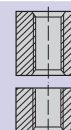
MSU020071STN M..
MSU020076STN M..

M 3 - 24

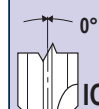


RIVESTIM.
COATED
TT

PM3



**4-5
FILL**



**TOLL
6HX**

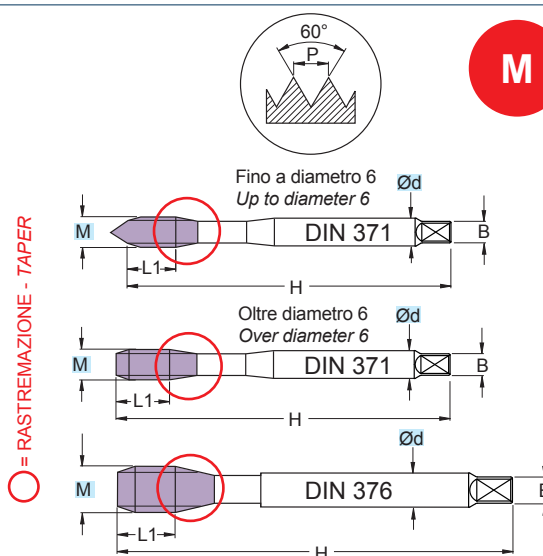
DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSU020071STN M3	3	0,5	3,5	10	56	2,7	2,5	
MSU020071STN M4	4	0,7	4,5	13	63	3,4	3,3	
MSU020071STN M5	5	0,8	6	13	70	4,9	4,2	
MSU020071STN M6	6	1	6	16	80	4,9	5	
MSU020071STN M8	8	1,25	8	18	90	6,2	6,8	
MSU020071STN M10	10	1,5	10	20	100	8	8,5	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSU020076STN M12	12	1,75	9	25	110	7	10,3	
MSU020076STN M14	14	2	11	28	110	9	12	
MSU020076STN M16	16	2	12	28	110	9	14	
MSU020076STN M18	18	2,5	14	33	125	11	15,5	
MSU020076STN M20	20	2,5	16	33	140	12	17,5	
MSU020076STN M22	22	2,5	18	33	140	14,5	19,5	
MSU020076STN M24	24	3	18	39	160	14,5	21	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

M 3 - 30



○ = RASTREMAZIONE - TAPER

RIVESTIM.
COATED
TT

PM3

2-3 FILL

**TOLL
6HX**



DIN 376		(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore	
MSU150076STN M12	12	1,75	9	18	110	7	10,3	
MSU150076STN M14	14	2	11	20	110	9	12	
MSU150076STN M16	16	2	12	20	110	9	14	
MSU150076STN M18	18	2,5	14	25	125	11	15,5	
MSU150076STN M20	20	2,5	16	25	140	12	17,5	
MSU150076STN M22	22	2,5	18	25	140	14,5	19,5	
MSU150076STN M24	24	3	18	30	160	14,5	21	
MSU150076STN M27	27	3	20	30	160	16	24	
MSU150076STN M30	30	3,5	22	35	180	18	26,5	

 PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISÉ

PARAMETRI - PARAMETERS			
MATERIALI - MATERIALS			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

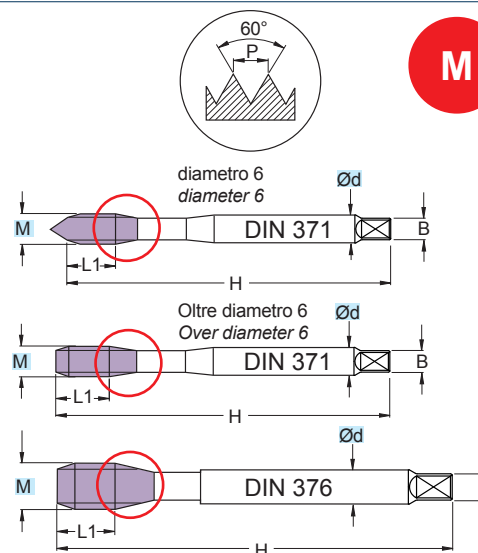
Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSU150071STNW M..
 MSU150076STNW M..**

M 6 - 30

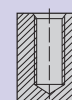


○ = RASTREMAZIONE - TAPER

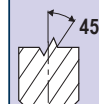


RIVESTIM.
 COATED
TT

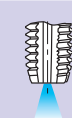
PM3



**2-3
 FILL**



**TOLL
 6HX**



SINCRO

DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSU150071STNW M6	6	1	6	10	80	4,9	5	
MSU150071STNW M8	8	1,25	8	13	90	6,2	6,8	
MSU150071STNW M10	10	1,5	10	15	100	8	8,5	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSU150076STNW M12	12	1,75	9	18	110	7	10,3	
MSU150076STNW M14	14	2	11	20	110	9	12	
MSU150076STNW M16	16	2	12	20	110	9	14	
MSU150076STNW M18	18	2,5	14	25	125	11	15,5	
MSU150076STNW M20	20	2,5	16	25	140	12	17,5	
MSU150076STNW M22	22	2,5	18	25	140	14,5	19,5	
MSU150076STNW M24	24	3	18	30	160	14,5	21	
MSU150076STNW M27	27	3	20	30	160	16	24	
MSU150076STNW M30	30	3,5	22	35	180	18	26,5	

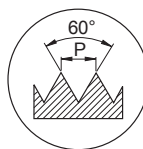
- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

MSA20XLTC M..

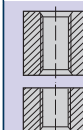
M 4 - 16



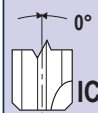
M

RIVESTIM.
COATED
TICN

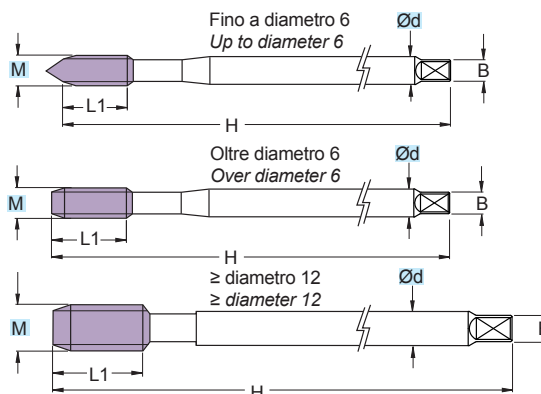
HSSE



**4-5
FILL**



**TOLL
ISO2
6H**



(mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA20XLTC M4	4	0,7	4,5	12	125	3,4	3,3
MSA20XLTC M5	5	0,8	6	14	140	4,9	4,2
MSA20XLTC M6	6	1	6	18	160	4,9	5
MSA20XLTC M8	8	1,25	8	20	180	6,2	6,8
MSA20XLTC M10	10	1,5	10	20	180	8	8,5

(mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA20XLTC M12	12	1,75	9	24	225	7	10,3
MSA20XLTC M14	14	2	11	26	225	9	12
MSA20XLTC M16	16	2	12	32	225	9	14

PARAMETRI - PARAMETERS

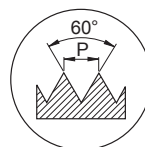
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	20-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	○	15-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

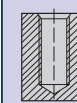
MSA40XLTC M..

M 4 - 16

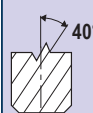


RIVESTIM.
COATED
TICN

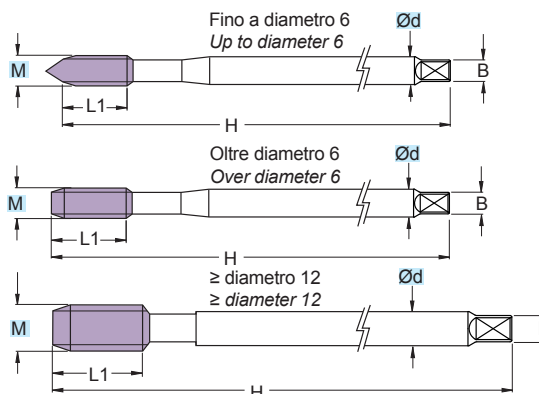
HSSE



**2-3
FILL**



**TOLL
ISO2
6H**



(mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA40XLTC M4	4	0,7	4,5	7	125	3,4	3,3
MSA40XLTC M5	5	0,8	6	8	140	4,9	4,2
MSA40XLTC M6	6	1	6	10	160	4,9	5
MSA40XLTC M8	8	1,25	8	13	180	6,2	6,8
MSA40XLTC M10	10	1,5	10	16	180	8	8,5

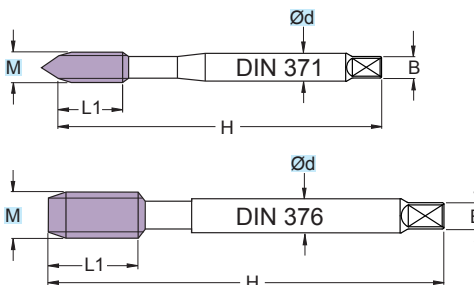
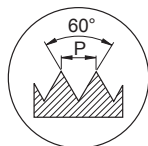
(mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSA40XLTC M12	12	1,75	9	23	225	7	10,3
MSA40XLTC M14	14	2	11	23	225	9	12
MSA40XLTC M16	16	2	12	23	225	9	14

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	20-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	○	15-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

**MSR2071TL M..
MSR2076TL M..**

M 3 - 24

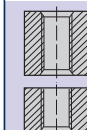


M

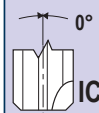
RIVESTIM.
COATED

TIALN+C

PM3



**4-5
FILL**



**TOLL
6HX**

DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSR2071TL M3	3	0,5	3,5	10	56	2,7	2,5	
MSR2071TL M4	4	0,7	4,5	13	63	3,4	3,3	
MSR2071TL M5	5	0,8	6	13	70	4,9	4,2	
MSR2071TL M6	6	1	6	16	80	4,9	5	
MSR2071TL M8	8	1,25	8	18	90	6,2	6,8	
MSR2071TL M10	10	1,5	10	20	100	8	8,5	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSR2076TL M12	12	1,75	9	25	110	7	10,3	
MSR2076TL M14	14	2	11	28	110	9	12	
MSR2076TL M16	16	2	12	28	110	9	14	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	○	15-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

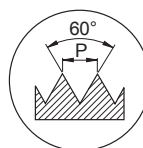
Rm 1200÷1400 N/mm², 38÷45 HRC

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

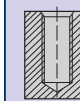
**MSR3071TB.. M..
 MSR3076TB.. M..**

M 3 - 16

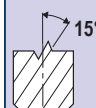


RIVESTIM.
 COATED
TIALN+C

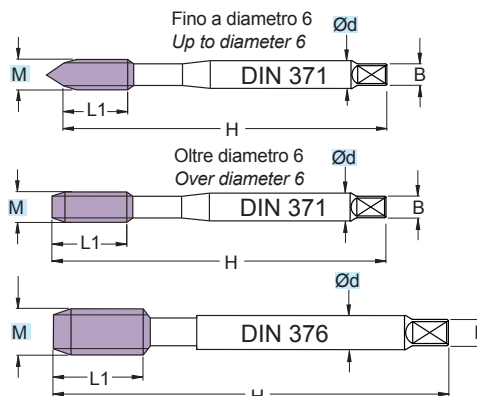
PM3



**2-3
 FILL**



**TOLL
 6HX**



DIN 371	(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSR3071TB M3	3	0,5	3,5	5	56	2,7	2,5
MSR3071TB M4	4	0,7	4,5	7	63	3,4	3,3
MSR3071TB M5	5	0,8	6	8	70	4,9	4,2
MSR3071TB M6	6	1	6	10	80	4,9	5
MSR3071TB M8	8	1,25	8	13	90	6,2	6,8
MSR3071TB M10	10	1,5	10	15	100	8	8,5

DIN 376	(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSR3076TB M12	12	1,75	9	18	110	7	10,3
MSR3076TB M14	14	2	11	20	110	9	12
MSR3076TB M16	16	2	12	20	110	9	14

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	○	15-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

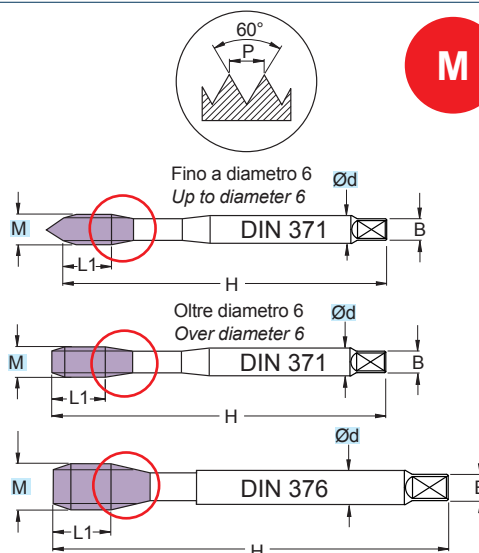
Rm ≤ 1400 N/mm², ≤ 45 HRC

**MSR4071TL M..
 MSR4076TL M..**

M 3 - 16



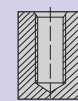
○ = RASTREMAZIONE - TAPER



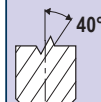
M

RIVESTIM.
 COATED
TIALN+C

PM3



**2-3
 FILL**



**TOLL
 6HX**

DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSR4071TL M3	3	0,5	3,5	5	56	2,7	2,5	
MSR4071TL M4	4	0,7	4,5	7	63	3,4	3,3	
MSR4071TL M5	5	0,8	6	8	70	4,9	4,2	
MSR4071TL M6	6	1	6	10	80	4,9	5	
MSR4071TL M8	8	1,25	8	13	90	6,2	6,8	
MSR4071TL M10	10	1,5	10	15	100	8	8,5	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSR4076TL M12	12	1,75	9	18	110	7	10,3	
MSR4076TL M14	14	2	11	20	110	9	12	
MSR4076TL M16	16	2	12	20	110	9	14	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	○	15-20
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	○	15-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

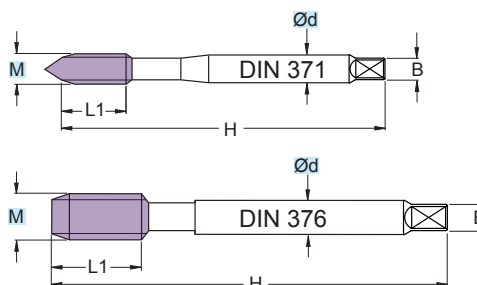
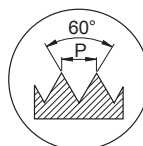
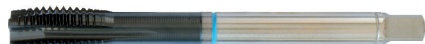
Rm ≤ 1200 N/mm², ≤ 38 HRC

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

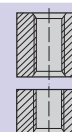
**MSI2071TB M..
MSI2076TB M..**

M 3 - 24

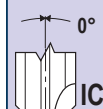


RIVESTIM.
COATED
TIALN+C

HSSV3



**4-5
FILL**



**TOLL
6HX**

DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSI2071TB M3	3	0,5	3,5	10	56	2,7	2,5	
MSI2071TB M4	4	0,7	4,5	13	63	3,4	3,3	
MSI2071TB M5	5	0,8	6	13	70	4,9	4,2	
MSI2071TB M6	6	1	6	16	80	4,9	5	
MSI2071TB M8	8	1,25	8	18	90	6,2	6,8	
MSI2071TB M10	10	1,5	10	20	100	8	8,5	

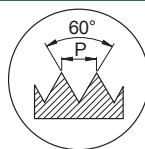
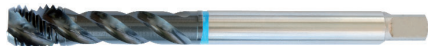
DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSI2076TB M12	12	1,75	9	25	110	7	10,3	
MSI2076TB M14	14	2	11	28	110	9	12	
MSI2076TB M16	16	2	12	28	110	9	14	
MSI2076TB M18	18	2,5	14	33	125	11	15,5	
MSI2076TB M20	20	2,5	16	33	140	12	17,5	
MSI2076TB M22	22	2,5	18	33	140	14,5	19,5	
MSI2076TB M24	24	3	18	39	160	14,5	21	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

**MSI4071TB M..
 MSI4076TB M..**

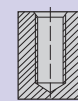
M 3 - 24



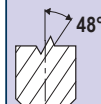
M

RIVESTIM.
 COATED
TIALN+C

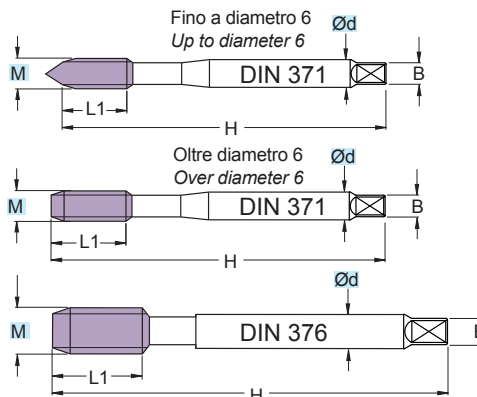
HSSV3



**2-3
 FILL**



**TOLL
 6HX**



DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSI4071TB M3	3	0,5	3,5	5	56	2,7	2,5	
MSI4071TB M4	4	0,7	4,5	7	63	3,4	3,3	
MSI4071TB M5	5	0,8	6	8	70	4,9	4,2	
MSI4071TB M6	6	1	6	10	80	4,9	5	
MSI4071TB M8	8	1,25	8	13	90	6,2	6,8	
MSI4071TB M10	10	1,5	10	15	100	8	8,5	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSI4076TB M12	12	1,75	9	18	110	7	10,3	
MSI4076TB M14	14	2	11	20	110	9	12	
MSI4076TB M16	16	2	12	20	110	9	14	
MSI4076TB M18	18	2,5	14	25	125	11	15,5	
MSI4076TB M20	20	2,5	16	25	140	12	17,5	
MSI4076TB M22	22	2,5	18	25	140	14,5	19,5	
MSI4076TB M24	24	3	18	30	160	14,5	21	

PARAMETRI - PARAMETERS

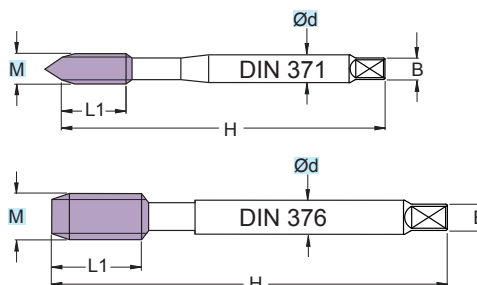
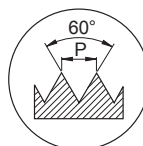
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	8-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

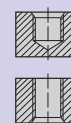
**MSG1071SNS M..
MSG1076SNS M..**

M 3 - 24

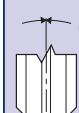


RIVESTIM.
COATED
SNS

HSSE



**2-3
FILL**



**TOLL
6HX**

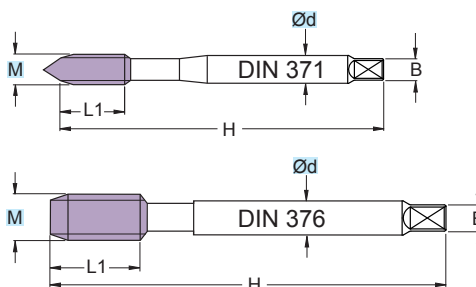
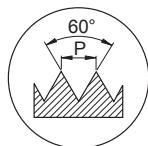
DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSG1071SNS M3	3	0,5	3,5	10	56	2,7	2,5	
MSG1071SNS M4	4	0,7	4,5	13	63	3,4	3,3	
MSG1071SNS M5	5	0,8	6	13	70	4,9	4,2	
MSG1071SNS M6	6	1	6	16	80	4,9	5,0	
MSG1071SNS M8	8	1,25	8	18	90	6,2	6,8	
MSG1071SNS M10	10	1,5	10	20	100	8	8,5	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSG1076SNS M12	12	1,75	9	25	110	7	10,3	
MSG1076SNS M14	14	2	11	28	110	9	12,0	
MSG1076SNS M16	16	2	12	28	110	9	14,0	
MSG1076SNS M18	18	2,5	14	33	125	11	15,5	
MSG1076SNS M20	20	2,5	16	33	140	12	17,5	
MSG1076SNS M22	22	2,5	18	33	140	14,5	19,5	
MSG1076SNS M24	24	3	18	39	160	14,5	21	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	15-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

M 4 - 24



M

RIVESTIM.
COATED
TIALN

PM3

2-3
FILL

**TOLL
6HX**

DIN 376		(mm)						
ART.		M	P	Ød	L1	H	B	Preforo Prebore
MSG010076TL M12		12	1,75	9	25	110	7	10,3
MSG010076TL M14		14	2	11	28	110	9	12
MSG010076TL M16		16	2	12	28	110	9	14
MSG010076TL M18		18	2,5	14	33	125	11	15,5
MSG010076TL M20		20	2,5	16	33	140	12	17,5
MSG010076TL M22		22	2,5	18	33	140	14,5	19,5
MSG010076TL M24		24	3	18	39	160	14,5	21

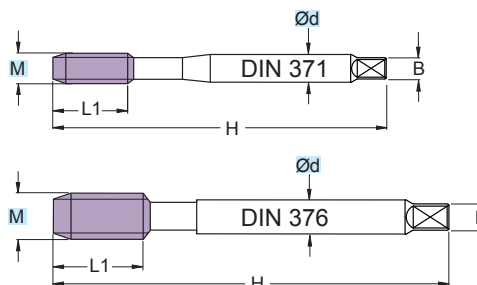
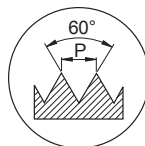
PARAMETRI - PARAMETERS

MATERIALI - MATERIALS			Pag. 1119	Vc m/min
P	ACCIAIO - STEEL			
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL			
M	ACCIAIO INOX - STAINLESS STEEL			
K	GHISA - CAST IRON	●		20-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○		25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY			
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL			

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

M 6 - 24



M

RIVESTIM.
COATED
TIALN

PM3

2-3
FILL

**TOLL
6HX**

DIN 376		(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore	
MSG010076TLW M12	12	1,75	9	25	110	7	10,3	
MSG010076TLW M14	14	2	11	28	110	9	12	
MSG010076TLW M16	16	2	12	28	110	9	14	
MSG010076TLW M18	18	2,5	14	33	125	11	15,5	
MSG010076TLW M20	20	2,5	16	33	140	12	17,5	
MSG010076TLW M22	22	2,5	18	33	140	14,5	19,5	
MSG010076TLW M24	24	3	18	39	160	14,5	21	

Vc m/min

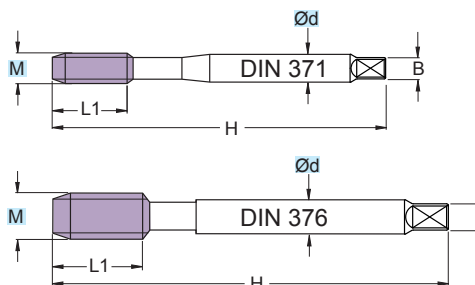
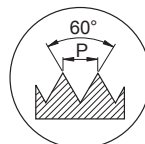
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	20-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSG180071TL M..
MSG180076TL M..

M 6 - 24



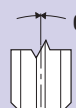
M

RIVESTIM.
COATED
TIALN

PM3



**1,5-2
FILL**



**TOLL
6HX**

DIN 371 (mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSG180071TL M6	6	1	6	16	80	4,9	5
MSG180071TL M8	8	1,25	8	18	90	6,2	6,8
MSG180071TL M10	10	1,5	10	20	100	8	8,5

DIN 376 (mm)							
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MSG180076TL M12	12	1,75	9	25	110	7	10,3
MSG180076TL M14	14	2	11	28	110	9	12
MSG180076TL M16	16	2	12	28	110	9	14
MSG180076TL M18	18	2,5	14	33	125	11	15,5
MSG180076TL M20	20	2,5	16	33	140	12	17,5
MSG180076TL M22	22	2,5	18	33	140	14,5	19,5
MSG180076TL M24	24	3	18	39	160	14,5	21

PARAMETRI - PARAMETERS

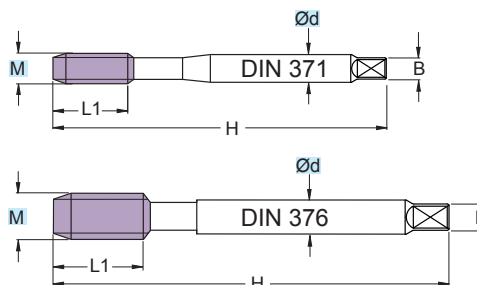
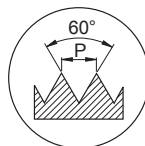
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	20-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

M 6 - 24



M

RIVESTIM.
COATED
TIALN

PM3

1,5-2 FILL

**TOLL
6HX**

[illegible]

Vc m/min

P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	15-25
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

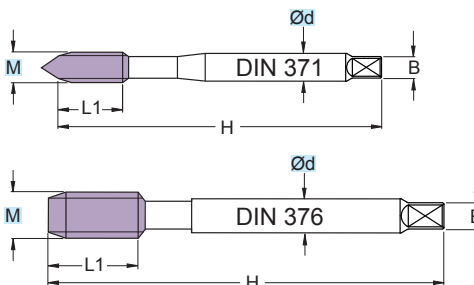
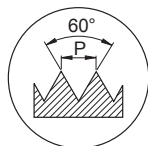


PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSN1071VP.. M..
MSN1076VP.. M..**

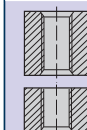
M 3 - 16



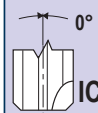
M

RIVESTIM.
COATED
VX

HSSE



**4-5
FILL**



**TOLL
ISO2
6H**

DIN 371		(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore	Z
MSN1071VP M3	3	0,5	3,5	10	56	2,7	2,5	2
MSN1071VP M4	4	0,7	4,5	13	63	3,4	3,3	2
MSN1071VP M5	5	0,8	6	13	70	4,9	4,2	2
MSN1071VP M6	6	1	6	16	80	4,9	5	2
MSN1071VP M8	8	1,25	8	18	90	6,2	6,8	2
MSN1071VP M10	10	1,5	10	20	100	8	8,5	2

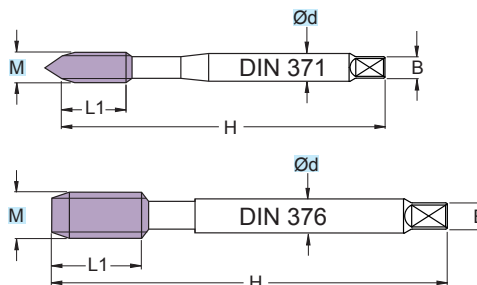
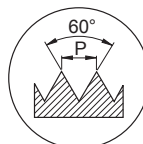
DIN 376		(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore	Z
MSN1076VP M12	12	1,75	9	25	110	7	10,3	3
MSN1076VP M14	14	2	11	28	110	9	12	3
MSN1076VP M16	16	2	12	28	110	9	14	3

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

**MSN4071VP.. M..
 MSN4076VP.. M..**

M 3 - 16

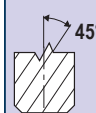


RIVESTIM.
 COATED
VX

HSSE



**2-3
 FILL**



**TOLL
 ISO2
 6H**

DIN 371 (mm)								
ART.	M	P	Ød	L1	H	B	Preforo Prebore	Z
MSN4071VP M3	3	0,5	3,5	10	56	2,7	2,5	2
MSN4071VP M4	4	0,7	4,5	13	63	3,4	3,3	2
MSN4071VP M5	5	0,8	6	13	70	4,9	4,2	2
MSN4071VP M6	6	1	6	16	80	4,9	5	2
MSN4071VP M8	8	1,25	8	18	90	6,2	6,8	2
MSN4071VP M10	10	1,5	10	20	100	8	8,5	2

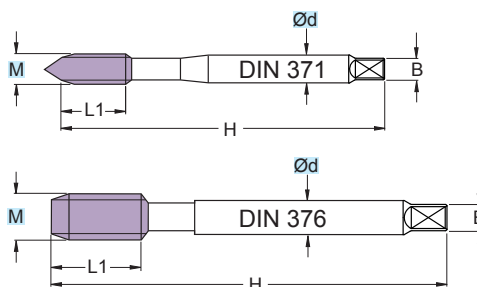
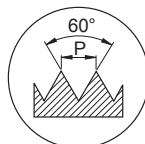
DIN 376 (mm)								
ART.	M	P	Ød	L1	H	B	Preforo Prebore	Z
MSN4076VP M12	12	1,75	9	25	110	7	10,3	3
MSN4076VP M14	14	2	11	28	110	9	12	3
MSN4076VP M16	16	2	12	28	110	9	14	3

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

MST8071TC.. M..
MST8076TC.. M..

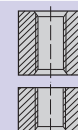
M 3 - 16



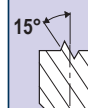
M

RIVESTIM.
COATED
TICN

PM3



**4-5
FILL**



**TOLL
6HX**

DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MST8071TC M3	3	0,5	3,5	10	56	2,7	2,5	
MST8071TC M4	4	0,7	4,5	13	63	3,4	3,3	
MST8071TC M5	5	0,8	6	13	70	4,9	4,2	
MST8071TC M6	6	1	6	16	80	4,9	5	
MST8071TC M8	8	1,25	8	18	90	6,2	6,8	
MST8071TC M10	10	1,5	10	20	100	8	8,5	

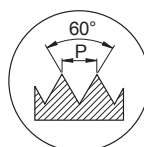
DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MST8076TC M12	12	1,75	9	25	110	7	10,3	
MST8076TC M16	16	2	12	28	110	9	14	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL (DUPLEX)	O	6-8
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY	●	5-10
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

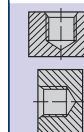
MST3071TC M..
MST3076TC M..

M 3 - 16

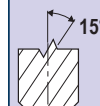


RIVESTIM.
COATED
TICN

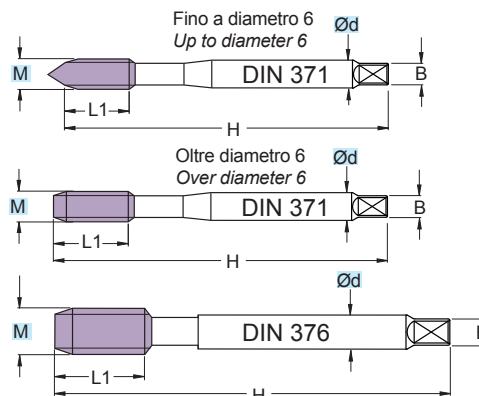
PM3



**2-3
FILL**



**TOLL
6HX**



DIN 371	(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MST3071TC M3	3	0,5	3,5	5	56	2,7	2,5
MST3071TC M4	4	0,7	4,5	7	63	3,4	3,3
MST3071TC M5	5	0,8	6	8	70	4,9	4,2
MST3071TC M6	6	1	6	10	80	4,9	5
MST3071TC M8	8	1,25	8	13	90	6,2	6,8
MST3071TC M10	10	1,5	10	15	100	8	8,5

DIN 376	(mm)						
ART.	M	P	Ød	L1	H	B	Preforo Prebore
MST3076TC M12	12	1,75	9	18	110	7	10,3
MST3076TC M16	16	2	12	20	110	9	14

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL (DUPLEX)	O	6-8
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY	●	5-10
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

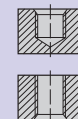
**MSA5071TN M..
MSA5076TN M..**

Senza canaline di lubrificazione
Without lubrication channels

M

RIVESTIM.
COATED
TIN

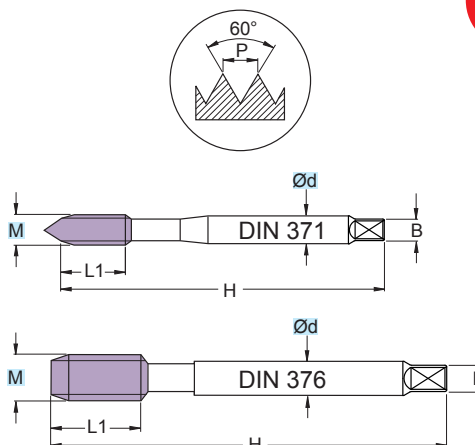
PM3



**2-3
FILL**

**TOLL
6HX**

M 3 - 16



DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSA5071TN M3	3	0,5	3,5	10	56	2,7	2,8	
MSA5071TN M4	4	0,7	4,5	13	63	3,4	3,7	
MSA5071TN M5	5	0,8	6	13	70	4,9	4,65	
MSA5071TN M6	6	1	6	16	80	4,9	5,55	
MSA5071TN M8	8	1,25	8	18	90	6,2	7,40	
MSA5071TN M10	10	1,5	10	20	100	8	9,30	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSA5076TN M12	12	1,75	9	25	110	7	11,2	
MSA5076TN M14	14	2	11	28	110	9	13,1	
MSA5076TN M16	16	2	12	28	110	9	15,1	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	25-40
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	○	15-20
M	ACCIAIO INOX - STAINLESS STEEL	●	6-20
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●	35-45
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY	●	15-20
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



PAG. 1092

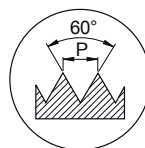
Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSK060071TG M..
MSK060076TG M..**

Con canaline di lubrificazione
With lubrication channels

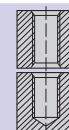
M 3 - 16

NEW



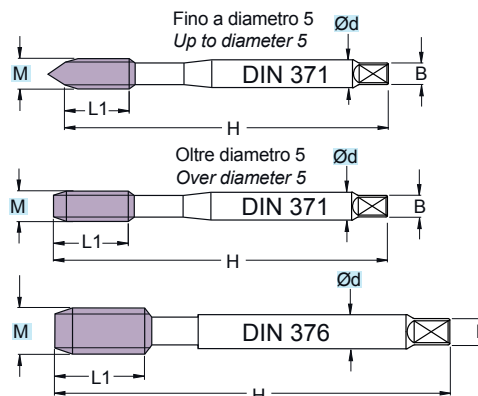
RIVESTIM.
COATED
TIN

PM8



**2-3
FILL**

**TOLL
6HX**



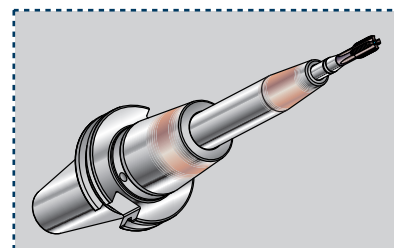
DIN 371		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSK060071TG M3	3	0,5	3,5	5	56	2,7	2,8	
MSK060071TG M4	4	0,7	4,5	7	63	3,4	3,7	
MSK060071TG M5	5	0,8	6	8	70	4,9	4,65	
MSK060071TG M6	6	1	6	10	80	4,9	5,55	
MSK060071TG M8	8	1,25	8	13	90	6,2	7,40	
MSK060071TG M10	10	1,5	10	15	100	8	9,30	

DIN 376		(mm)						Preforo Prebore
ART.	M	P	Ød	L1	H	B		
MSK060076TG M12	12	1,75	9	18	110	7	11,2	
MSK060076TG M14	14	2	11	20	110	9	13,1	
MSK060076TG M16	16	2	12	20	110	9	15,1	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	○	25-40
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	10-15
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	35-45
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY	●	15-20
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

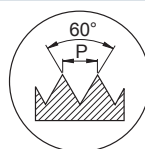
MASCHI PER CALETTAMENTO TERMICO CON GAMBO h6



TAPS FOR SHRINKING ON WITH h6 SHANK
GEWINDESCHNEIDER FÜR SCHRUMPFUTTER, MIT SCHAFT h6
TARAUDS POUR CALAGE THERMIQUE AVEC TIGE h6
MACHOS PARA EMPALME TÉRMICO CON VÁSTAGO h6

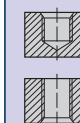
MSG0100NITBW-h6..

M 6 - 20

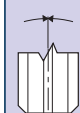


RIVESTIM.
COATED
TIALN+C

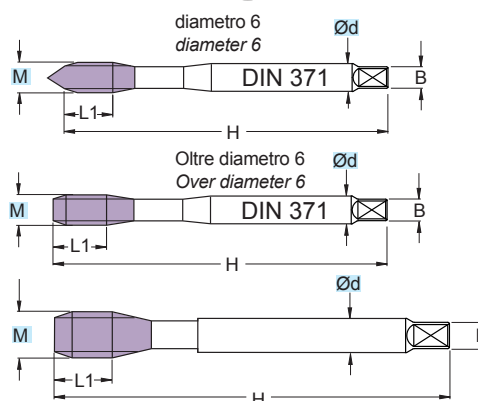
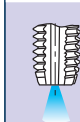
PM3



**2-3
FILL**



**TOLL
6HX**



DIN 371	(mm)						
ART.	M	P	h6 Ød	L1	H	B	Preforo Prebore
MSG0100NITBW-h6 M6	6	1	6	10	80	4,9	5,0
MSG0100NITBW-h6 M8	8	1,25	8	13	90	6,2	6,8
MSG0100NITBW-h6 M10	10	1,5	10	15	100	8	8,5

	(mm)						
ART.	M	P	h6 Ød	L1	H	B	Preforo Prebore
MSG0100NITBW-h6 M12 G10	12	1,75	10	18	110	8	10,3
MSG0100NITBW-h6 M14	14	2	12	20	110	9	12,0
MSG0100NITBW-h6 M16 G12	16	2	12	20	110	9	14,0
MSG0100NITBW-h6 M18 G14	18	2,5	14	25	125	11	15,5
MSG0100NITBW-h6 M20 G16	20	2,5	16	25	140	12	17,5

PARAMETRI - PARAMETERS

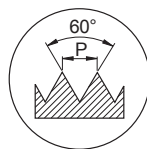
MATERIALI - MATERIALS Pag. 1119		VDI 3323 GR.	HB Rm ¹⁾ HRC ²⁾	Vc m/min
P	ACCIAIO NON LEGATO - NOT ALLOY STEEL	1-5	125-300	
	ACCIAIO POCO LEGATO - LOW ALLOY STEEL	6-9	180-350	
	ACCIAIO ALTO LEGATO - ALLOY STEEL	10-11	200-325	
	INOX MARTENS. - STAINLESS STEEL MART	12-13	200-240	● 20-25
M	INOX AUST. DUPLEX - STAINLESS STEEL AUST	14.1-14.2	180-230	
K	GHISA GRIGIA - GREY CAST IRON	15-16	180-260	● 20-25
	GHISA SFEROIDALE - SPHEROIDAL GRAPHITE	17-18	160-250	● 20-25
	GHISA MALLEABILE - MALLEABLE CAST IRON	19-20	130-230	● 25-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	21-25	60-130	
	RAME E SUE LEGHE - COPPER	26-28	90-110	
	NON METALLICI - PLASTICS	29-30	/	
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY	31-35	200-320	
	TITANIO E SUE LEGHE - TITANIUM	36-37	400-1050 ¹⁾	
H	ACCIAIO TEMPRATO - HARDENED STEEL	38-41	45-60 ¹⁾	



FILETTATURA METRICA ISO PASSO FINE (MF)

ISO METRIC FINE SCREW THREAD (MF)
GEWINDESCHNEIDEN - METRISCHE ISO FEINGEWINDE (MF)
FILETAGE METRIQUE ISO PAS FIN (MF)
ROSCA MÉTRICA ISO DE PASO FINO (MF)

MF 4 - 24



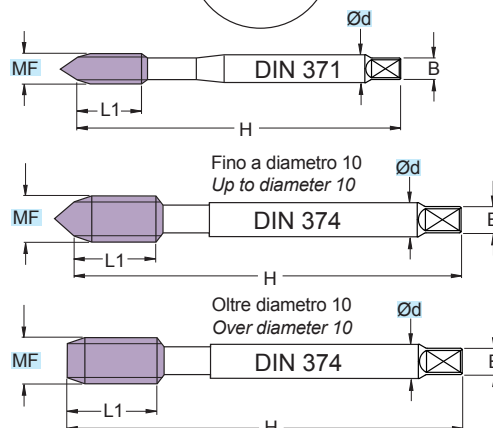
MF

RIVESTIM.
COATED
VP

HSSE

4-5
FILL

**TOLL
ISO2
6H**



DIN 374		(mm)					
ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSA2174VP MF6x0,75	6	0,75	4,5	16	80	3,4	5,25
MSA2174VP MF8x1	8	1	6	18	90	4,9	7
MSA2174VP MF10x1	10	1	7	15	90	5,5	9
MSA2174VP MF10x1,25	10	1,25	7	20	100	5,5	8,75
MSA2174VP MF12x1	12	1	9	22	100	7	11
MSA2174VP MF12x1,25	12	1,25	9	22	100	7	10,75
MSA2174VP MF12x1,5	12	1,5	9	22	100	7	10,5
MSA2174VP MF14x1	14	1	11	22	100	9	13
MSA2174VP MF14x1,25	14	1,25	11	22	100	9	12,75
MSA2174VP MF14x1,5	14	1,5	11	22	100	9	12,5
MSA2174VP MF16x1	16	1	12	22	100	9	15
MSA2174VP MF16x1,5	16	1,5	12	22	100	9	14,5
MSA2174VP MF18x1	18	1	14	25	110	11	17
MSA2174VP MF18x1,5	18	1,5	14	25	110	11	16,5
MSA2174VP MF20x1	20	1	16	25	125	12	19
MSA2174VP MF20x1,5	20	1,5	16	25	125	12	18,5
MSA2174VP MF22x1	22	1	18	25	125	14,5	21
MSA2174VP MF22x1,5	22	1,5	18	25	125	14,5	20,5
MSA2174VP MF24x1	24	1	18	25	140	14,5	23
MSA2174VP MF24x1,5	24	1,5	18	25	140	14,5	22,5
MSA2174VP MF24x2	24	2	18	25	140	14,5	22

Vc m/min

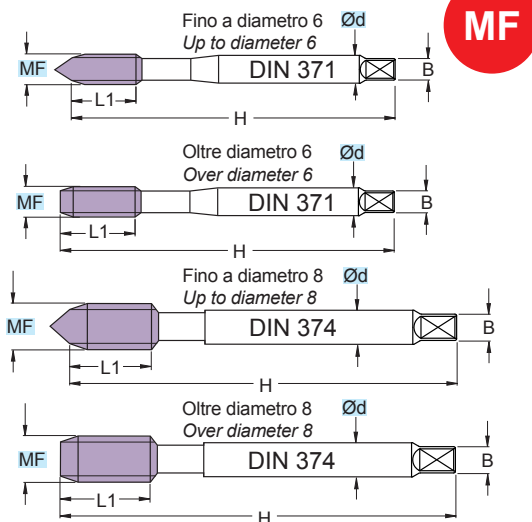
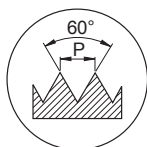
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSA4171VP MF..
MSA4174VP MF..

MF 4 - 24



MF

RIVESTIM. COATED VP	HSSE
 2-3 FILL	
 TOLL ISO2 6H	

DIN 371		(mm)						Preforo Prebore
ART.	MF	P	Ød	L1	H	B		
MSA4171VP MF4x0,5	4	0,5	4,5	7	63	3,4	3,5	
MSA4171VP MF5x0,5	5	0,5	6	8	70	4,9	4,5	
MSA4171VP MF6x0,75	6	0,75	6	10	80	4,9	5,25	
MSA4171VP MF8x1	8	1	8	13	90	6,2	7	
MSA4171VP MF10x1	10	1	10	15	90	8	9	
MSA4171VP MF10x1,25	10	1,25	10	15	100	8	8,75	

DIN 374		(mm)						Preforo Prebore
ART.	MF	P	Ød	L1	H	B		
MSA4174VP MF8x1	8	1	6	13	90	4,9	7	
MSA4174VP MF10x1	10	1	7	15	90	5,5	9	
MSA4174VP MF10x1,25	10	1,25	7	15	100	5,5	8,75	
MSA4174VP MF12x1	12	1	9	13	100	7	11	
MSA4174VP MF12x1,25	12	1,25	9	13	100	7	10,75	
MSA4174VP MF12x1,5	12	1,5	9	13	100	7	10,5	
MSA4174VP MF14x1	14	1	11	15	100	9	13	
MSA4174VP MF14x1,25	14	1,25	11	15	100	9	12,75	
MSA4174VP MF14x1,5	14	1,5	11	15	100	9	12,5	
MSA4174VP MF16x1	16	1	12	15	100	9	15	
MSA4174VP MF16x1,5	16	1,5	12	15	100	9	14,5	
MSA4174VP MF18x1	18	1	14	17	110	11	17	
MSA4174VP MF18x1,5	18	1,5	14	17	110	11	16,5	
MSA4174VP MF20x1	20	1	16	17	125	12	19	
MSA4174VP MF20x1,5	20	1,5	16	17	125	12	18,5	
MSA4174VP MF22x1	22	1	18	25	125	14,5	21	
MSA4174VP MF22x1,5	22	1,5	18	25	125	14,5	20,5	
MSA4174VP MF24x2	24	2	18	25	140	14,5	22	

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

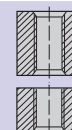
MSU020174STN MF..

MF 8 - 24

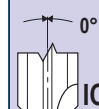


RIVESTIM.
COATED
TT

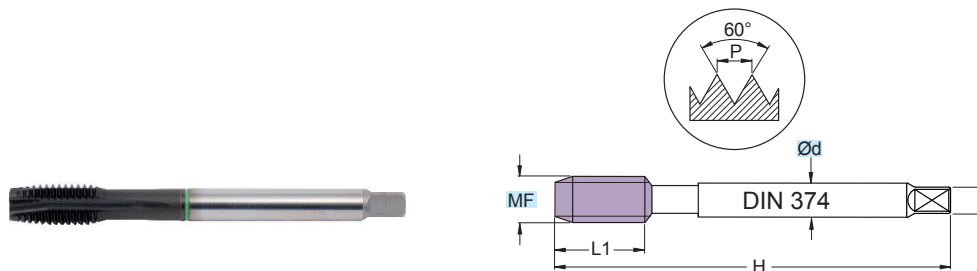
PM3



**4-5
FILL**



**TOLL
6HX**



DIN 374

(mm)

ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSU020174STN MF8X1	8	1	6	18	90	4,9	7
MSU020174STN MF10X1	10	1	7	15	90	5,5	9
MSU020174STN MF10X1,25	10	1,25	7	20	100	5,5	8,75
MSU020174STN MF12X1,25	12	1,25	9	22	100	7	10,75
MSU020174STN MF12X1,5	12	1,5	9	22	100	7	10,5
MSU020174STN MF14X1,5	14	1,5	11	22	100	9	12,5
MSU020174STN MF16X1,5	16	1,5	12	22	100	9	14,5
MSU020174STN MF18X1,5	18	1,5	14	25	110	11	16,5
MSU020174STN MF20X1,5	20	1,5	16	25	125	12	18,5
MSU020174STN MF22X1,5	22	1,5	18	25	125	14,5	20,5
MSU020174STN MF24X1,5	24	1,5	18	25	140	14,5	22,5

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119

Vc m/min

P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

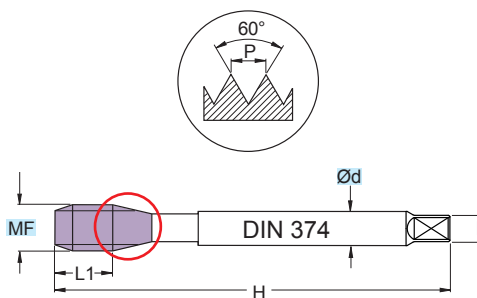


PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSU150174STN MF..

MF 8 - 24

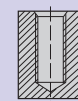


○ = RASTREMAZIONE - TAPER

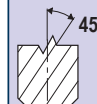
MF

RIVESTIM.
COATED
TT

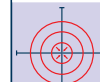
PM3



**2-3
FILL**



**TOLL
6HX**



SINCRO

DIN 374		(mm)						
ART.	MF	P	Ød	L1	H	B	Preforo Prebore	
MSU150174STN MF8X1	8	1	6	13	90	4,9	7	
MSU150174STN MF10X1	10	1	7	15	90	5,5	9	
MSU150174STN MF10X1,25	10	1,25	7	15	100	5,5	8,75	
MSU150174STN MF12X1	12	1	9	13	100	7	11	
MSU150174STN MF12X1,25	12	1,25	9	13	100	7	10,75	
MSU150174STN MF12X1,5	12	1,5	9	13	100	7	10,5	
MSU150174STN MF14X1,5	14	1,5	11	15	100	9	12,5	
MSU150174STN MF16X1,5	16	1,5	12	15	100	9	14,5	
MSU150174STN MF18X1,5	18	1,5	14	17	110	11	16,5	
MSU150174STN MF20X1,5	20	1,5	16	17	125	12	18,5	
MSU150174STN MF22X1,5	22	1,5	18	18	125	14,5	20,5	
MSU150174STN MF24X1,5	24	1,5	18	20	140	14,5	22,5	

- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

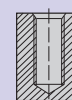
MSU150174STNW MF..

MF 8 - 24

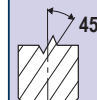


RIVESTIM.
COATED
TT

PM3



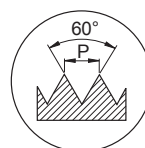
**2-3
FILL**



**TOLL
6HX**



SINCRO



○ = RASTREMAZIONE - TAPER

DIN 374

(mm)

ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSU150174STNW MF8X1	8	1	6	13	90	4,9	7
MSU150174STNW MF10X1	10	1	7	15	90	5,5	9
MSU150174STNW MF10X1,25	10	1,25	7	15	100	5,5	8,75
MSU150174STNW MF12X1	12	1	9	13	100	7	11
MSU150174STNW MF12X1,25	12	1,25	9	13	100	7	10,75
MSU150174STNW MF12X1,5	12	1,5	9	13	100	7	10,5
MSU150174STNW MF14X1,5	14	1,5	11	15	100	9	12,5
MSU150174STNW MF16X1,5	16	1,5	12	15	100	9	14,5
MSU150174STNW MF18X1,5	18	1,5	14	17	110	11	16,5
MSU150174STNW MF20X1,5	20	1,5	16	17	125	12	18,5
MSU150174STNW MF22X1,5	22	1,5	18	18	125	14,5	20,5
MSU150174STNW MF24X1,5	24	1,5	18	20	140	14,5	22,5

- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
- FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
- FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
- POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119

Vc m/min

P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

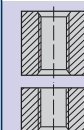
Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSI2174TB MF..

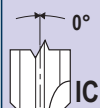
MF

RIVESTIM.
COATED
TIALN+C

HSSV3

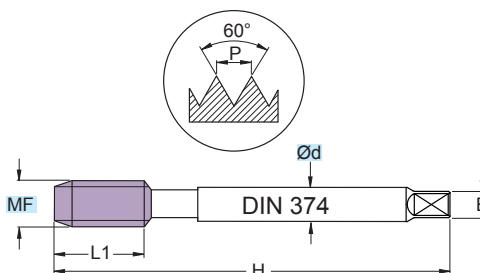


4-5
FILL



TOLL
6HX

MF 8 - 24



DIN 374

(mm)

ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSI2174TB MF8X1	8	1	6	18	90	4,9	7
MSI2174TB MF10X1	10	1	7	15	90	5,5	9
MSI2174TB MF10X1,25	10	1,25	7	20	100	5,5	8,75
MSI2174TB MF12X1,25	12	1,25	9	22	100	7	10,75
MSI2174TB MF12X1,5	12	1,5	9	22	100	7	10,5
MSI2174TB MF14X1,5	14	1,5	11	22	100	9	12,5
MSI2174TB MF16X1,5	16	1,5	12	22	100	9	14,5
MSI2174TB MF18X1,5	18	1,5	14	25	110	11	16,5
MSI2174TB MF20X1,5	20	1,5	16	25	125	12	18,5
MSI2174TB MF22X1,5	22	1,5	18	25	125	14,5	20,5
MSI2174TB MF24X1,5	24	1,5	18	25	140	14,5	22,5

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119

Vc m/min

P	ACCIAIO - STEEL	●	25-40
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

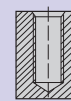
MSI4174TB MF..

MF 8 - 24

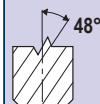


RIVESTIM.
COATED
TIALN+C

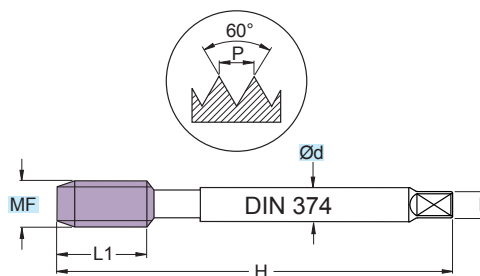
HSSV3



2-3
FILL



TOLL
6HX



DIN 374

(mm)

ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSI4174TB MF8X1	8	1	6	13	90	4,9	7
MSI4174TB MF10X1	10	1	7	15	90	5,5	9
MSI4174TB MF10X1,25	10	1,25	7	15	100	5,5	8,75
MSI4174TB MF12X1	12	1	9	13	100	7	11
MSI4174TB MF12X1,25	12	1,25	9	13	100	7	10,75
MSI4174TB MF12X1,5	12	1,5	9	13	100	7	10,5
MSI4174TB MF14X1,5	14	1,5	11	15	100	9	12,5
MSI4174TB MF16X1,5	16	1,5	12	15	100	9	14,5
MSI4174TB MF18X1,5	18	1,5	14	17	110	11	16,5
MSI4174TB MF20X1,5	20	1,5	16	17	125	12	18,5
MSI4174TB MF22X1,5	22	1,5	18	18	125	14,5	20,5
MSI4174TB MF24X1,5	24	1,5	18	20	140	14,5	22,5

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119

Vc m/min

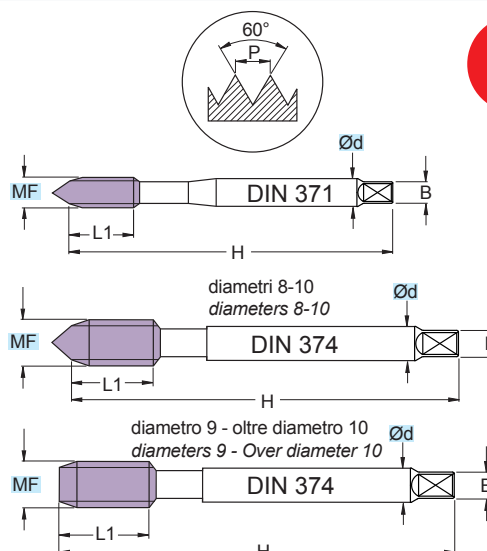
P	ACCIAIO - STEEL	●	25-40
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	8-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSG1171SNS MF..
MSG1174SNS MF..**

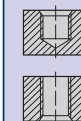
MF 8 - 30



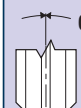
MF

RIVESTIM.
COATED
SNS

HSSE



**2-3
FILL**



**TOLL
6HX**

DIN 371		(mm)					
ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSG1171SNS MF8X1	8	1	8	18	90	6,2	7
MSG1171SNS MF10X1	10	1	10	15	90	8	9
MSG1171SNS MF10X1,25	10	1,25	10	20	100	8	8,75

DIN 374		(mm)					
ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSG1174SNS MF8x1	8	1	6	18	90	4,9	7
MSG1174SNS MF9x1	9	1	7	18	90	5,5	9
MSG1174SNS MF10x1	10	1	7	15	90	5,5	9
MSG1174SNS MF10x1,25	10	1,25	7	20	100	5,5	8,75
MSG1174SNS MF12x1	12	1	9	22	100	7	11
MSG1174SNS MF12x1,25	12	1,25	9	22	100	7	10,75
MSG1174SNS MF12x1,5	12	1,5	9	22	100	7	10,5
MSG1174SNS MF14x1	14	1	11	22	100	9	13
MSG1174SNS MF14x1,25	14	1,25	11	22	100	9	12,75
MSG1174SNS MF14x1,5	14	1,5	11	22	100	9	12,5
MSG1174SNS MF16x1,5	16	1,5	12	22	100	9	14,5
MSG1174SNS MF18x1,5	18	1,5	14	25	110	11	16,5
MSG1174SNS MF20x1,5	20	1,5	16	25	125	12	18,5
MSG1174SNS MF22x1,5	22	1,5	18	25	125	14,5	20,5
MSG1174SNS MF24x1,5	24	1,5	18	25	140	14,5	22,5
MSG1174SNS MF27x1,5	27	1,5	20	25	140	16	25,5
MSG1174SNS MF27x2	27	2	20	25	140	16	25
MSG1174SNS MF30x1,5	30	1,5	22	28	150	18	28,5
MSG1174SNS MF30x2	30	2	22	28	150	18	28

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	15-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

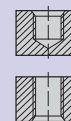
MSG010174TL MF..

MF 8 - 24

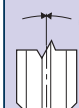


RIVESTIM.
COATED
TIALN

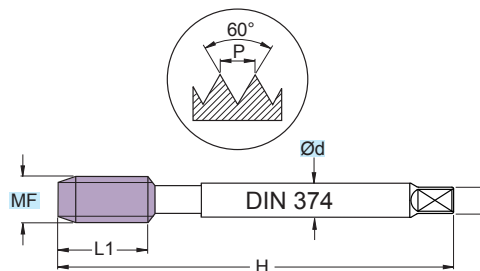
PM3



**2-3
FILL**



**TOLL
6HX**



DIN 374

(mm)

ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSG010174TL MF 8x1	8	1	6	18	90	4,9	7
MSG010174TL MF 10x1	10	1	7	15	90	5,5	9
MSG010174TL MF 10x1,25	10	1,25	7	20	100	5,5	8,75
MSG010174TL MF 12x1,25	12	1,25	9	22	100	7	10,75
MSG010174TL MF 12x1,5	12	1,5	9	22	100	7	10,5
MSG010174TL MF 14x1,5	14	1,5	11	22	100	9	12,5
MSG010174TL MF 16x1,5	16	1,5	12	22	100	9	14,5
MSG010174TL MF 18x1,5	18	1,5	14	25	110	11	16,5
MSG010174TL MF 20x1,5	20	1,5	16	25	125	12	18,5
MSG010174TL MF 22x1,5	22	1,5	18	25	125	14,5	20,5
MSG010174TL MF 24x1,5	24	1,5	18	25	140	14,5	22,5

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119

Vc m/min

P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	20-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

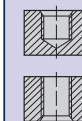
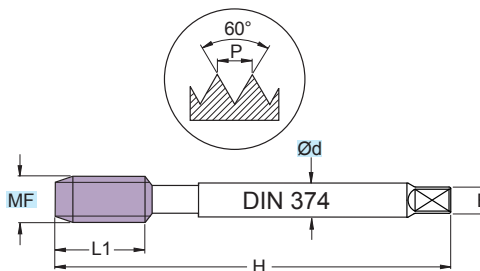
MSG010174TLW MF..

MF

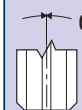
RIVESTIM.
COATED
TIALN

PM3

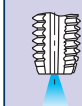
MF 8 - 24



**2-3
FILL**



**TOLL
6HX**



DIN 374

(mm)

ART.	MF	P	Ød	L1	H	B	Preforo Prebore
MSG010174TLW MF 8x1	8	1	6	18	90	4,9	7
MSG010174TLW MF 10x1	10	1	7	15	90	5,5	9
MSG010174TLW MF 10x1,25	10	1,25	7	20	100	5,5	8,75
MSG010174TLW MF 12x1,25	12	1,25	9	22	100	7	10,75
MSG010174TLW MF 12x1,5	12	1,5	9	22	100	7	10,5
MSG010174TLW MF 14x1,5	14	1,5	11	22	100	9	12,5
MSG010174TLW MF 16x1,5	16	1,5	12	22	100	9	14,5
MSG010174TLW MF 18x1,5	18	1,5	14	25	110	11	16,5
MSG010174TLW MF 20x1,5	20	1,5	16	25	125	12	18,5
MSG010174TLW MF 22x1,5	22	1,5	18	25	125	14,5	20,5
MSG010174TLW MF 24x1,5	24	1,5	18	25	140	14,5	22,5

PARAMETRI - PARAMETERS

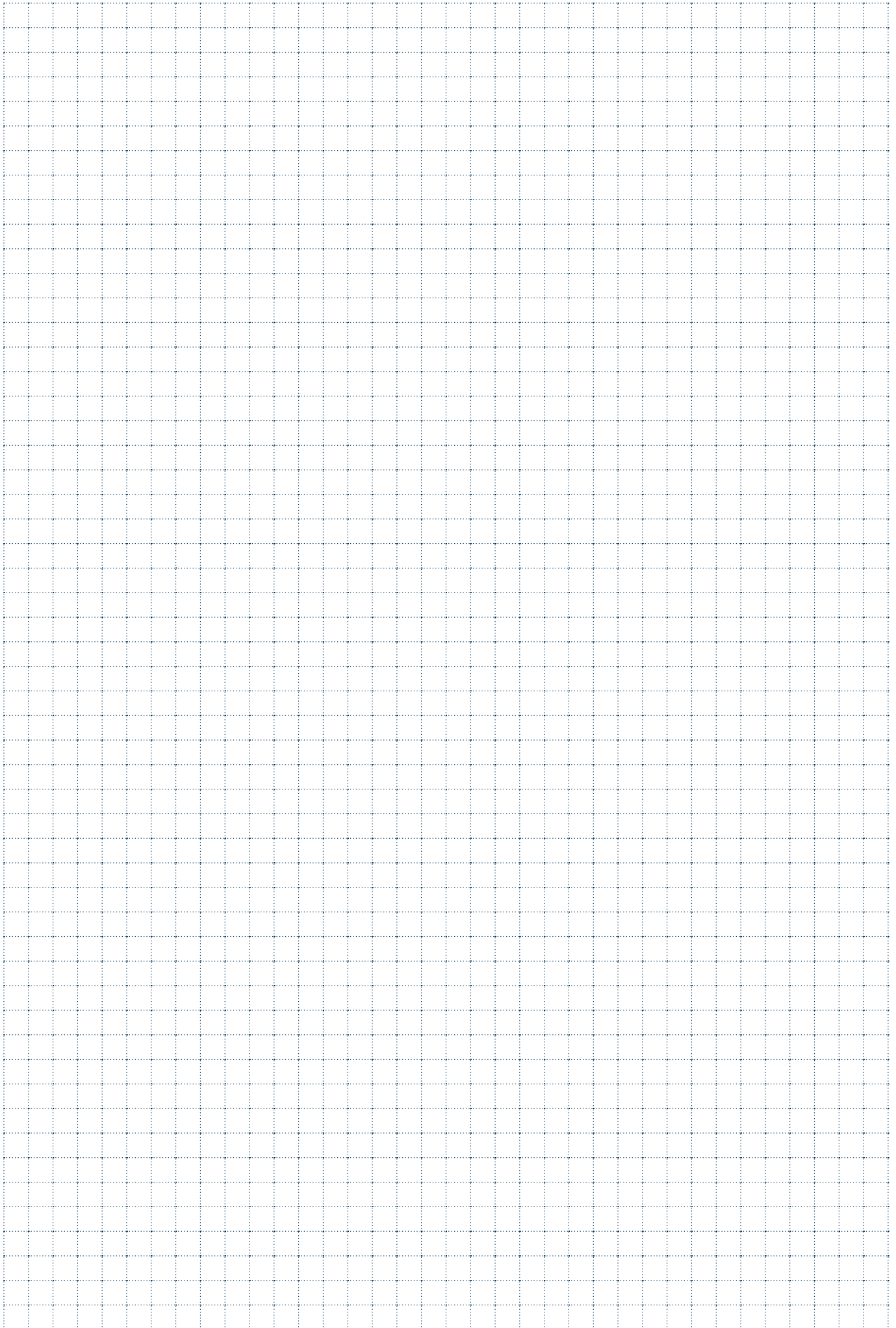
MATERIALI - MATERIALS Pag. 1119

Vc m/min

P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	20-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED



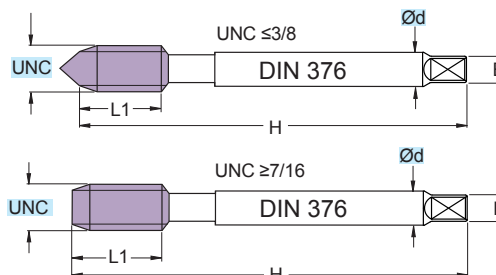
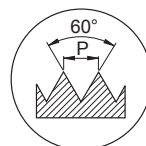


FILETTATURA AMERICANA (UNC)

US STANDARD SCREW THREAD (UNC)
GEWINDESCHNEIDEN - (UNC) GEWINDE
FILETAGE AMERICAIN (UNC)
ROSCA AMERICANA UNIFICADA DE PASO NORMAL (UNC)

MSA2376VP UNC..

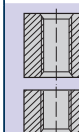
UNC 1/4 - 1"



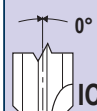
UNC

RIVESTIM.
COATED
VP

HSSE



**4-5
FILL**



**TOLL
2B**

DIN 376

(mm)

ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSA2376VP UNC1/4-20	1/4	20	4,5	16	80	3,4	5,1
MSA2376VP UNC5/16-18	5/16	18	6	18	90	4,9	6,6
MSA2376VP UNC3/8-16	3/8	16	7	20	100	5,5	8,0
MSA2376VP UNC7/16-14	7/16	14	8	20	100	6,2	9,4
MSA2376VP UNC1/2-13	1/2	13	9	25	110	7	10,8
MSA2376VP UNC9/16-12	9/16	12	11	28	110	9	12,2
MSA2376VP UNC5/8-11	5/8	11	12	28	110	9	13,5
MSA2376VP UNC3/4-10	3/4	10	14	32	125	11	16,5
MSA2376VP UNC7/8-9	7/8	9	18	32	140	14,5	19,5
MSA2376VP UNC1-8	1"	8	18	36	160	14,5	22,25

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

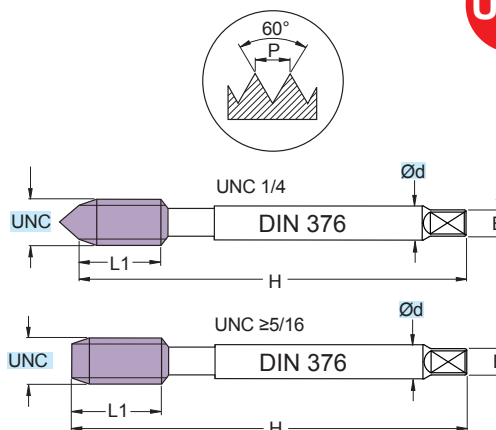
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSA4376VP UNC..

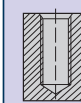
UNC 1/4 - 1"



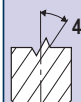
UNC

RIVESTIM.
COATED
VP

HSSE



**2-3
FILL**



**TOLL
2B**

DIN 376

(mm)

ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSA4376VP UNC1/4-20	1/4	20	4,5	10	80	3,4	5,1
MSA4376VP UNC5/16-18	5/16	18	6	13	90	4,9	6,6
MSA4376VP UNC3/8-16	3/8	16	7	15	100	5,5	8,0
MSA4376VP UNC7/16-14	7/16	14	8	15	100	6,2	9,4
MSA4376VP UNC1/2-13	1/2	13	9	18	110	7	10,8
MSA4376VP UNC9/16-12	9/16	12	11	20	110	9	12,2
MSA4376VP UNC5/8-11	5/8	11	12	20	110	9	13,5
MSA4376VP UNC3/4-10	3/4	10	14	25	125	11	16,5
MSA4376VP UNC7/8-9	7/8	9	18	25	140	14,5	19,5
MSA4376VP UNC1-8	1"	8	18	30	160	14,5	22,25

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119

Vc m/min

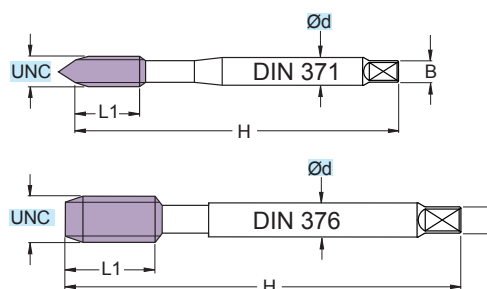
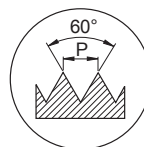
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSU020371STN UNC..
MSU020376STN UNC..

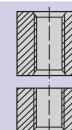
UNC 4 - 1"



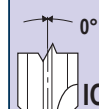
UNC

RIVESTIM.
COATED
TT

PM3



4-5 FILL



TOLL 2BX

DIN 371		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSU020371STN UNC 4-40	4	40	3,5	10	56	2,7	2,35	
MSU020371STN UNC 5-40	5	40	3,5	10	56	2,7	2,65	
MSU020371STN UNC 6-32	6	32	4	11	56	3	2,85	
MSU020371STN UNC 8-32	8	32	4,5	13	63	3,4	3,5	
MSU020371STN UNC 10-24	10	24	6	13	70	4,9	3,9	
MSU020371STN UNC 1/4-20	1/4	20	7	16	80	5,5	5,1	
MSU020371STN UNC 5/16-18	5/16	18	8	18	90	6,2	6,6	
MSU020371STN UNC 3/8-16	3/8	16	10	20	100	8	8,0	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

DIN 376		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSU020376STN UNC 7/16-14	7/16	14	8	20	100	6,2	9,4	
MSU020376STN UNC 1/2-13	1/2	13	9	25	110	7	10,8	
MSU020376STN UNC 9/16-12	9/16	12	11	28	110	9	12,2	
MSU020376STN UNC 5/8-11	5/8	11	12	28	110	9	13,5	
MSU020376STN UNC 3/4-10	3/4	10	14	32	125	11	16,5	
MSU020376STN UNC 7/8-9	7/8	9	18	32	140	14,5	19,5	
MSU020376STN UNC 1"-8	1"	8	18	36	160	14,5	22,25	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

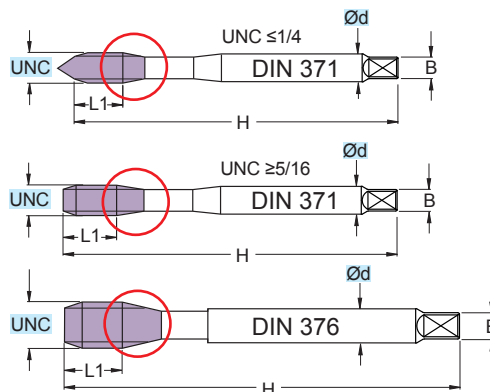
Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSU150371STN UNC..
MSU150376STN UNC..

UNC 4 - 1"



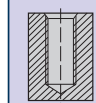
○ = RASTREMAZIONE - TAPER



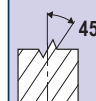
UNC

RIVESTIM.
COATED
TT

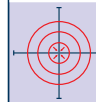
PM3



2-3 FILL



TOLL 2BX



SINCRO

DIN 371		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo	Prebore
MSU150371STN UNC 4-40	4	40	3,5	5	56	2,7	2,35	
MSU150371STN UNC 5-40	5	40	3,5	5	56	2,7	2,65	
MSU150371STN UNC 6-32	6	32	4	7	56	3	2,85	
MSU150371STN UNC 8-32	8	32	4,5	7	63	3,4	3,5	
MSU150371STN UNC 10-24	10	24	6	8	70	4,9	3,9	
MSU150371STN UNC 1/4-20	1/4	20	7	10	80	5,5	5,1	
MSU150371STN UNC 5/16-18	5/16	18	8	13	90	6,2	6,6	
MSU150371STN UNC 3/8-16	3/8	16	10	15	100	8	8,0	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

DIN 376		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo	Prebore
MSU150376STN UNC 7/16-14	7/16	14	8	15	100	6,2	9,4	
MSU150376STN UNC 1/2-13	1/2	13	9	18	110	7	10,8	
MSU150376STN UNC 9/16-12	9/16	12	11	20	110	9	12,2	
MSU150376STN UNC 5/8-11	5/8	11	12	20	110	9	13,5	
MSU150376STN UNC 3/4-10	3/4	10	14	25	125	11	16,5	
MSU150376STN UNC 7/8-9	7/8	9	18	25	140	14,5	19,5	
MSU150376STN UNC 1"-8	1"	8	18	30	160	14,5	22,25	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

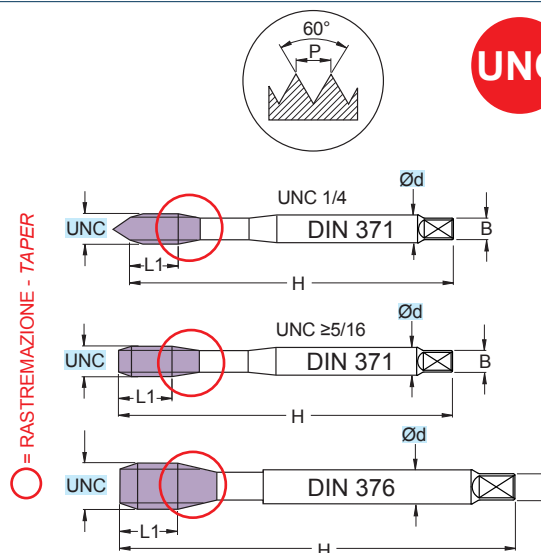
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSU150371STNW UNC..
MSU150376STNW UNC..

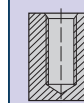
UNC 1/4 - 1"



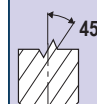
UNC

RIVESTIM.
COATED
TT

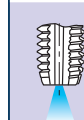
PM3



2-3 FILL



TOLL 2BX



SINCRO

DIN 371		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSU150371STNW UNC 1/4-20	1/4	20	7	10	80	5,5	5,1	
MSU150371STNW UNC 5/16-18	5/16	18	8	13	90	6,2	6,6	
MSU150371STNW UNC 3/8-16	3/8	16	10	15	100	8	8,0	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

DIN 376		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSU150376STNW UNC 7/16-14	7/16	14	8	15	100	6,2	9,4	
MSU150376STNW UNC 1/2-13	1/2	13	9	18	110	7	10,8	
MSU150376STNW UNC 9/16-12	9/16	12	11	20	110	9	12,2	
MSU150376STNW UNC 5/8-11	5/8	11	12	20	110	9	13,5	
MSU150376STNW UNC 3/4-10	3/4	10	14	25	125	11	16,5	
MSU150376STNW UNC 7/8-9	7/8	9	18	25	140	14,5	19,5	
MSU150376STNW UNC 1"-8	1"	8	18	30	160	14,5	22,25	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

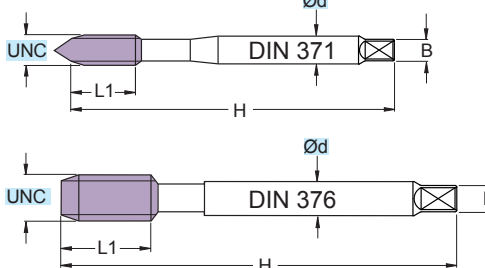
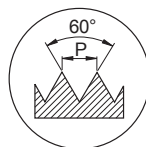
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSI020371TB UNC..
MSI020376TB UNC..**

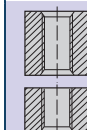
UNC 1/4 - 5/8



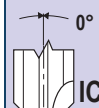
UNC

RIVESTIM.
COATED
TIALN+C

HSSV3



**4-5
FILL**



**TOLL
2BX**

DIN 371		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSI020371TB UNC 1/4-20	1/4	20	7	16	80	5,5	5,1	
MSI020371TB UNC 5/16-18	5/16	18	8	18	90	6,2	6,6	
MSI020371TB UNC 3/8-16	3/8	16	10	20	100	8	8,0	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

DIN 376		(mm)						
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSI020376TB UNC 7/16-14	7/16	14	8	20	100	6,2	9,4	
MSI020376TB UNC 1/2-13	1/2	13	9	25	110	7	10,8	
MSI020376TB UNC 9/16-12	9/16	12	11	28	110	9	12,2	
MSI020376TB UNC 5/8-11	5/8	11	12	28	110	9	13,5	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

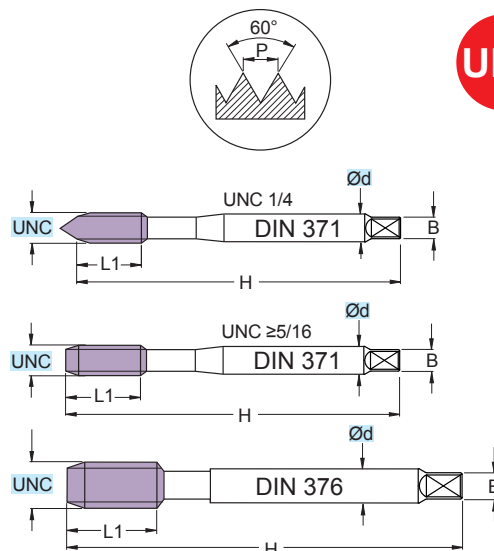
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSI160371TB UNC..
 MSI160376TB UNC..**

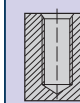
UNC 1/4 - 5/8



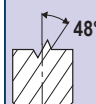
UNC

RIVESTIM.
 COATED
TIALN+C

HSSV3



**2-3
 FILL**



**TOLL
 2BX**

DIN 371 (mm)							
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSI160371TB UNC 1/4-20	1/4	20	7	10	80	5,5	5,1
MSI160371TB UNC 5/16-18	5/16	18	8	13	90	6,2	6,6
MSI160371TB UNC 3/8-16	3/8	16	10	15	100	8	8,0



P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

DIN 376 (mm)							
ART.	UNC(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSI160376TB UNC 7/16-14	7/16	14	8	15	100	6,2	9,4
MSI160376TB UNC 1/2-13	1/2	13	9	18	110	7	10,8
MSI160376TB UNC 9/16-12	9/16	12	11	20	110	9	12,2
MSI160376TB UNC 5/8-11	5/8	11	12	20	110	9	13,5



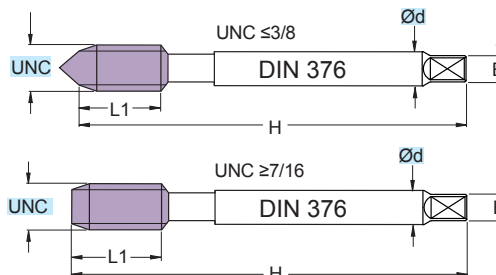
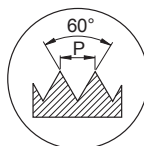
P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	8-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

MSG1376SNS UNC..

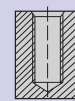
UNC 5/16 - 1"



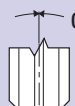
UNC

RIVESTIM.
COATED
SNS

HSSE



**2-3
FILL**



**TOLL
2BX**

DIN 376		(mm)						
ART.	UNC(“)	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSG1376SNS UNC5/16-18	5/16	18	6	18	90	4,9	6,6	
MSG1376SNS UNC3/8-16	3/8	16	7	20	100	5,5	8,0	
MSG1376SNS UNC7/16-14	7/16	14	8	20	100	6,2	9,4	
MSG1376SNS UNC1/2-13	1/2	13	9	25	110	7	10,8	
MSG1376SNS UNC9/16-12	9/16	12	11	28	110	9	12,2	
MSG1376SNS UNC5/8-11	5/8	11	12	28	110	9	13,5	
MSG1376SNS UNC3/4-10	3/4	10	14	32	125	11	16,5	
MSG1376SNS UNC7/8-9	7/8	9	18	32	140	14,5	19,5	
MSG1376SNS UNC1-8	1”	8	18	36	160	14,5	22,25	

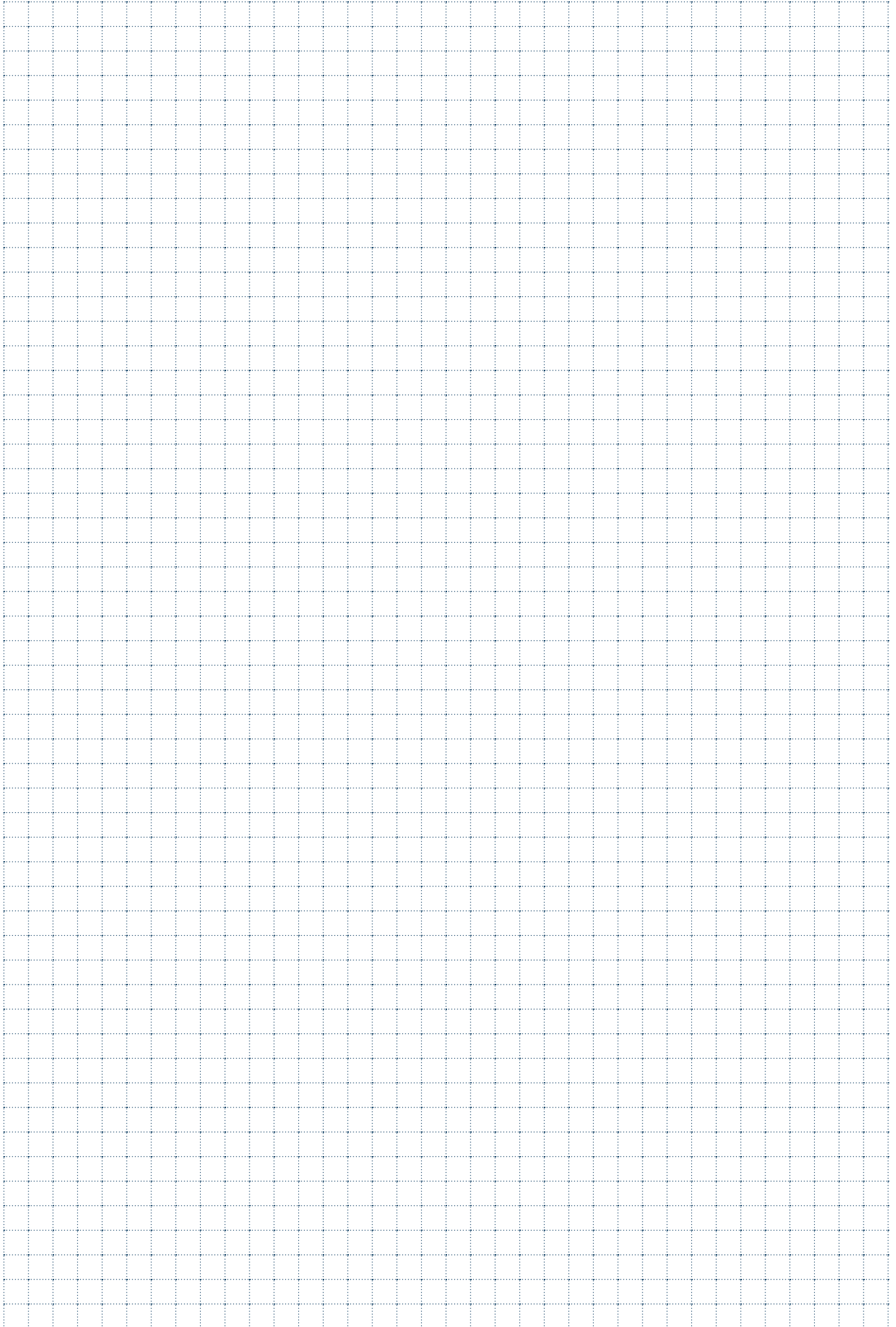
P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	15-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED



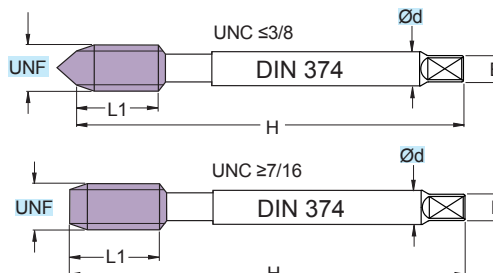
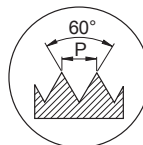


FILETTATURA AMERICANA (UNF)

US STANDARD SCREW THREAD (UNF)
GEWINDESCHNEIDEN - (UNF) GEWINDE
FILETAGE AMERICAIN (UNF)
ROSCA AMERICANA UNIFICADA DE PASO FINO (UNF)

MSA2474VP UNF..

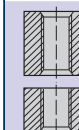
UNF 1/4 - 1"



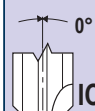
UNF

RIVESTIM.
COATED
VP

HSSE



**4-5
FILL**



**TOLL
2B**

DIN 374

(mm)

ART.	UNF(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSA2474VP UNF1/4-28	1/4	28	4,5	16	80	3,4	5,5
MSA2474VP UNF5/16-24	5/16	24	6	18	90	4,9	6,9
MSA2474VP UNF3/8-24	3/8	24	7	15	90	5,5	8,5
MSA2474VP UNF7/16-20	7/16	20	8	20	100	6,2	9,9
MSA2474VP UNF1/2-20	1/2	20	9	20	100	7	11,5
MSA2474VP UNF9/16-18	9/16	18	11	22	100	9	12,9
MSA2474VP UNF5/8-18	5/8	18	12	22	100	9	14,5
MSA2474VP UNF3/4-16	3/4	16	14	25	110	11	17,5
MSA2474VP UNF7/8-14	7/8	14	18	25	125	14,5	20,4
MSA2474VP UNF1-12	1"	12	18	28	140	14,5	23,25

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

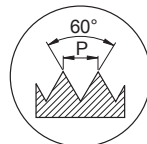
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSA4474VP UNF..

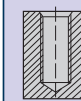
UNF 1/4 - 1"



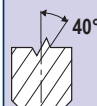
UNF

RIVESTIM.
COATED
VP

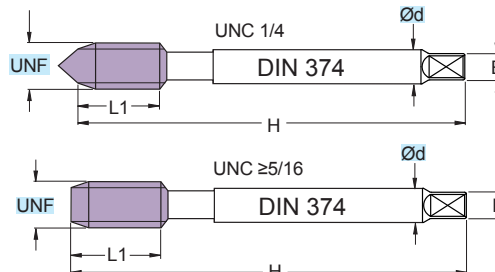
HSSE



**2-3
FILL**



**TOLL
2B**



DIN 374

(mm)

ART.	UNF(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSA4474VP UNF1/4-28	1/4	28	4,5	10	80	3,4	5,5
MSA4474VP UNF5/16-24	5/16	24	6	13	90	4,9	6,9
MSA4474VP UNF3/8-24	3/8	24	7	15	90	5,5	8,5
MSA4474VP UNF7/16-20	7/16	20	8	15	100	6,2	9,9
MSA4474VP UNF1/2-20	1/2	20	9	13	100	7	11,5
MSA4474VP UNF9/16-18	9/16	18	11	15	100	9	12,9
MSA4474VP UNF5/8-18	5/8	18	12	15	100	9	14,5
MSA4474VP UNF3/4-16	3/4	16	14	17	110	11	17,5
MSA4474VP UNF7/8-14	7/8	14	18	18	125	14,5	20,4
MSA4474VP UNF1-12	1"	12	18	22	140	14,5	23,25

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

PARAMETRI - PARAMETERS

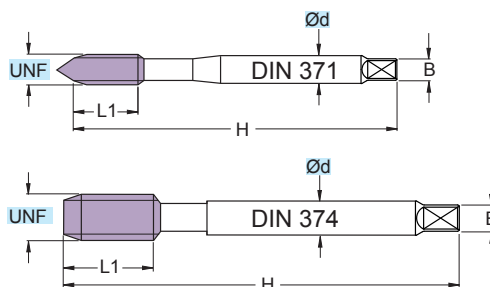
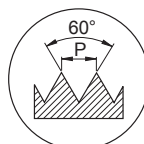
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSU020471STN UNF..
MSU020474STN UNF..

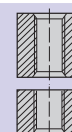
UNF 4 - 1"



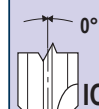
UNF

RIVESTIM.
COATED
TT

PM3



4-5 FILL



TOLL 2BX

DIN 371		(mm)					
ART.	UNF(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSU020471STN UNF 4-48	4	48	3,5	10	56	2,7	2,4
MSU020471STN UNF 6-40	6	40	4	11	56	3	2,95
MSU020471STN UNF 8-36	8	36	4,5	13	63	3,4	3,5
MSU020471STN UNF 10-32	10	32	6	13	70	4,9	4,1
MSU020471STN UNF 1/4-28	1/4	28	7	16	80	5,5	5,5

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

DIN 374		(mm)					
ART.	UNF(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSU020474STN UNF 5/16-24	5/16	24	6	18	90	4,9	6,9
MSU020474STN UNF 3/8-24	3/8	24	7	15	90	5,5	8,5
MSU020474STN UNF 7/16-20	7/16	20	8	20	100	6,2	9,9
MSU020474STN UNF 1/2-20	1/2	20	9	20	100	7	11,5
MSU020474STN UNF 9/16-18	9/16	18	11	22	100	9	12,9
MSU020474STN UNF 5/8-18	5/8	18	12	22	100	9	14,5
MSU020474STN UNF 3/4-16	3/4	16	14	25	110	11	17,5
MSU020474STN UNF 7/8-14	7/8	14	18	25	125	14,5	20,4
MSU020474STN UNF 1"-12	1"	12	18	28	140	14,5	23,25

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

PARAMETRI - PARAMETERS

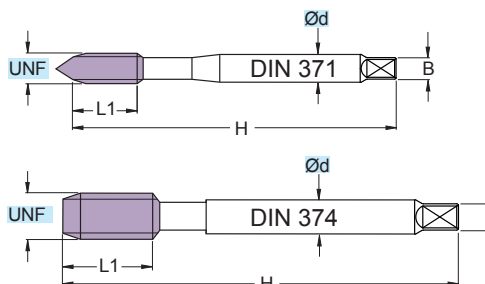
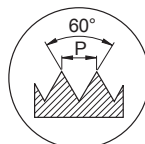
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

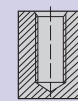
MSU150471STN UNF..
MSU150474STN UNF..

UNF 4 - 1"

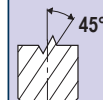


RIVESTIM.
COATED
TT

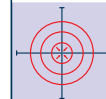
PM3



**2-3
FILL**



**TOLL
2BX**



SINCRO

DIN 371		(mm)						
ART.	UNF(")	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSU150471STN UNF 4-48	4	48	3,5	5	56	2,7	2,4	
MSU150471STN UNF 6-40	6	40	4	7	56	3	2,95	
MSU150471STN UNF 8-36	8	36	4,5	7	63	3,4	3,5	
MSU150471STN UNF 10-32	10	32	6	8	70	4,9	4,1	
MSU150471STN UNF 1/4-28	1/4	28	7	10	80	5,5	5,5	
  P/tpi = FILETTI PER POLLICE  P/tpi = THREADS FOR INCH-SIZES  P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN  P/tpi = FILETS POUR POUCES								

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

DIN 374		(mm)					
ART.	UNF(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSU150474STN UNF 5/16-24	5/16	24	6	13	90	4,9	6,9
MSU150474STN UNF 3/8-24	3/8	24	7	15	90	5,5	8,5
MSU150474STN UNF 7/16-20	7/16	20	8	15	100	6,2	9,9
MSU150474STN UNF 1/2-20	1/2	20	9	13	100	7	11,5
MSU150474STN UNF 9/16-18	9/16	18	11	15	100	9	12,9
MSU150474STN UNF 5/8-18	5/8	18	12	15	100	9	14,5
MSU150474STN UNF 3/4-16	3/4	16	14	17	110	11	17,5
MSU150474STN UNF 7/8-14	7/8	14	18	18	125	14,5	20,4
MSU150474STN UNF 1"-12	1"	12	18	22	140	14,5	23,25

 P/tpi = FILETTI PER POLLICE

 P/tpi = THREADS FOR INCH-SIZES

 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN

 P/tpi = FILETS POUR POUÇES

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

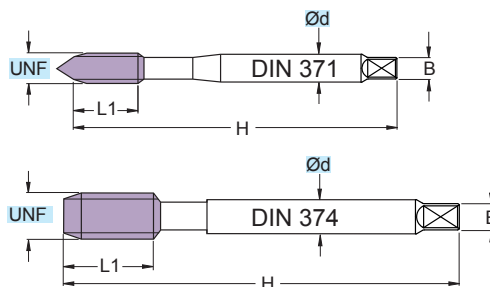
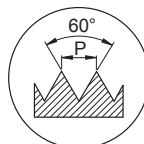
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSU150471STNW UNF..
MSU150474STNW UNF..

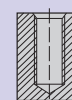
UNF 1/4 - 1"



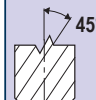
UNF

RIVESTIM.
COATED
TT

PM3



2-3 FILL



TOLL 2BX



SINCRO

DIN 371		(mm)						Preforo Prebore
ART.	UNF(")	P/tpi	Ød	L1	H	B		
MSU150471STNW UNF 1/4-28	1/4	28	7	10	80	5,5	5,5	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

DIN 374		(mm)						Preforo Prebore
ART.	UNF(")	P/tpi	Ød	L1	H	B		
MSU150474STNW UNF 5/16-24	5/16	24	6	13	90	4,9	6,9	
MSU150474STNW UNF 3/8-24	3/8	24	7	15	90	5,5	8,5	
MSU150474STNW UNF 7/16-20	7/16	20	8	15	100	6,2	9,9	
MSU150474STNW UNF 1/2-20	1/2	20	9	13	100	7	11,5	
MSU150474STNW UNF 9/16-18	9/16	18	11	15	100	9	12,9	
MSU150474STNW UNF 5/8-18	5/8	18	12	15	100	9	14,5	
MSU150474STNW UNF 3/4-16	3/4	16	14	17	110	11	17,5	
MSU150474STNW UNF 7/8-14	7/8	14	18	18	125	14,5	20,4	
MSU150474STNW UNF 1"-12	1"	12	18	22	140	14,5	23,25	

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

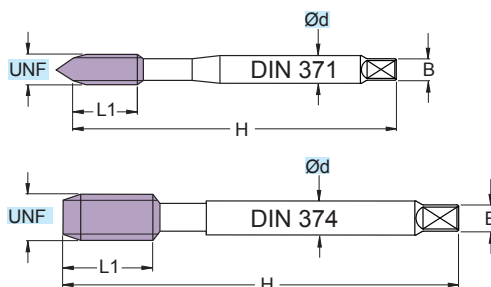
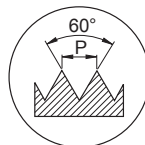
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSI020471TB UNF..
MSI020474TB UNF..**

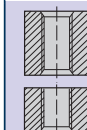
UNF 1/4 - 5/8



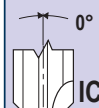
UNF

RIVESTIM.
COATED
TIALN+C

HSSV3



**4-5
FILL**



**TOLL
2BX**

DIN 371		(mm)						
ART.	UNF(°)	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSI020471TB UNF 1/4-28	1/4	28	7	16	80	5,5	5,5	
							</	

DIN 374		(mm)						
ART.	UNF(°)	P/tpi	Ød	L1	H	B	Preforo Prebore	
MSI020474TB UNF 5/16-24	5/16	24	6	18	90	4,9	6,9	
MSI020474TB UNF 3/8-24	3/8	24	7	15	90	5,5	8,5	
MSI020474TB UNF 7/16-20	7/16	20	8	20	100	6,2	9,9	
MSI020474TB UNF 1/2-20	1/2	20	9	20	100	7	11,5	
MSI020474TB UNF 9/16-18	9/16	18	11	22	100	9	12,9	
MSI020474TB UNF 5/8-18	5/8	18	12	22	100	9	14,5	
			 P/tpi = FILETTI PER POLLICE					
			 P/tpi = THREADS FOR INCH-SIZES					
			 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN					
			 P/tpi = FILETS POUR POUÇES					

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

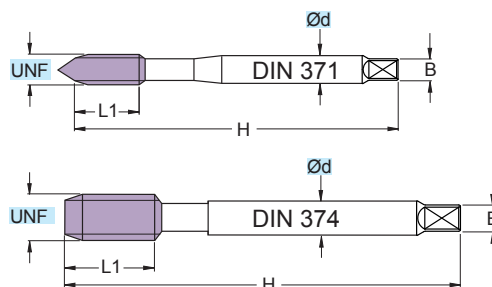
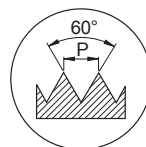
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

**MSI160471TB UNF..
 MSI160474TB UNF..**

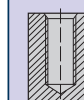
UNF 1/4 - 5/8



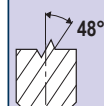
UNF

RIVESTIM.
 COATED
TIALN+C

HSSV3



**2-3
 FILL**



**TOLL
 2BX**

DIN 371 (mm)							
ART.	UNF(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSI160471TB UNF 1/4-28	1/4	28	7	10	80	5,5	5,5

DIN 374 (mm)							
ART.	UNF(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSI160474TB UNF 5/16-24	5/16	24	6	13	90	4,9	6,9
MSI160474TB UNF 3/8-24	3/8	24	7	15	90	5,5	8,5
MSI160474TB UNF 7/16-20	7/16	20	8	15	100	6,2	9,9
MSI160474TB UNF 1/2-20	1/2	20	9	13	100	7	11,5
MSI160474TB UNF 9/16-18	9/16	18	11	15	100	9	12,9
MSI160474TB UNF 5/8-18	5/8	18	12	15	100	9	14,5

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUÇES

PARAMETRI - PARAMETERS

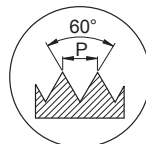
MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	8-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSG1474SNS UNF..

UNF 1/4 - 1"



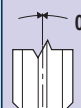
UNF

RIVESTIM.
COATED
SNS

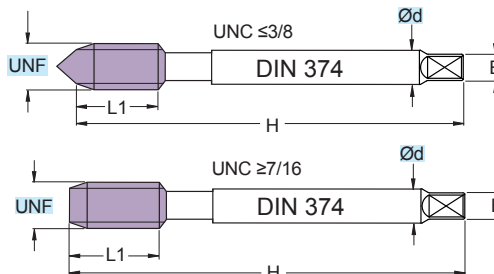
HSSE



**2-3
FILL**



**TOLL
2BX**



DIN 374 (mm)

ART.	UNF(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSG1474SNS UNF1/4-28	1/4	28	4,5	16	80	3,4	5,5
MSG1474SNS UNF5/16-24	5/16	24	6	18	90	4,9	6,9
MSG1474SNS UNF3/8-24	3/8	24	7	15	90	5,5	8,5
MSG1474SNS UNF7/16-20	7/16	20	8	20	100	6,2	9,9
MSG1474SNS UNF1/2-20	1/2	20	9	20	100	7	11,5
MSG1474SNS UNF9/16-18	9/16	18	11	22	100	9	12,9
MSG1474SNS UNF5/8-18	5/8	18	12	22	100	9	14,5
MSG1474SNS UNF3/4-16	3/4	16	14	25	110	11	17,5
MSG1474SNS UNF7/8-14	7/8	14	18	25	125	14,5	20,4
MSG1474SNS UNF1-12	1"	12	18	28	140	14,5	23,25

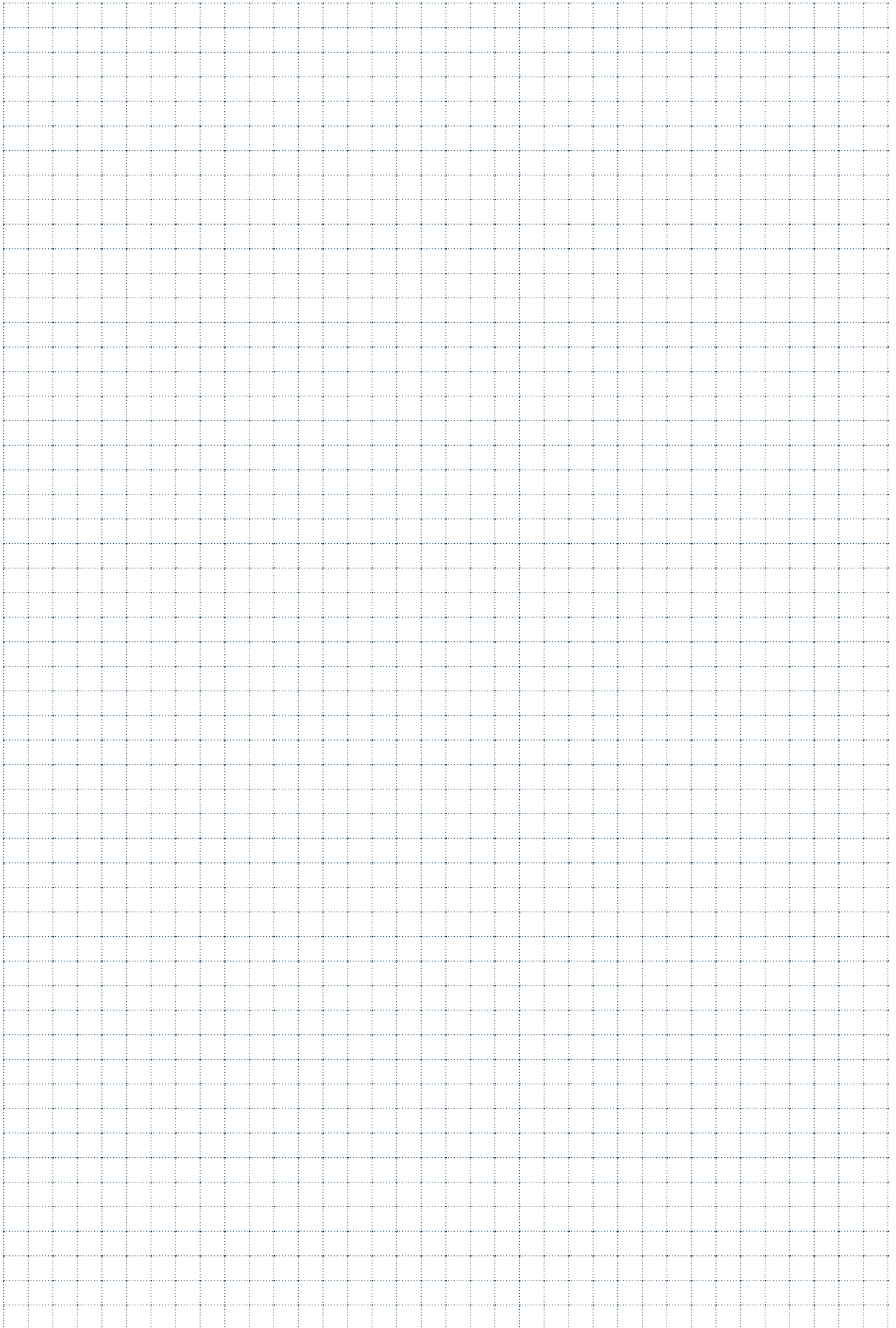
P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	15-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED



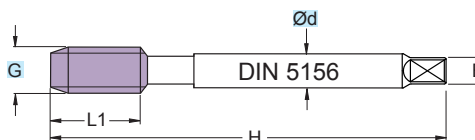
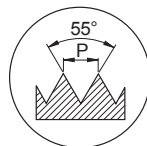


FILETTATURA GAS CILINDRICA

CYLINDRICAL SCREW THREAD (GAS)
GEWINDESCHNEIDEN - (GAS) GEWINDE
FILETAGE (GAS) CYLINDRIQUE
MACHOS DE MAQUINA - ROSCA (GAS)

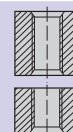
MSA2256VP G..

G 1/8 - 1"

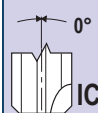


RIVESTIM.
COATED
VP

HSSE



**4-5
FILL**



**TOLL
ISO
228**

DIN 5156

(mm)

ART.	G(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSA2256VP G1/8-28	1/8	28	7	15	90	5,5	8,8
MSA2256VP G1/4-19	1/4	19	11	22	100	9	11,8
MSA2256VP G3/8-19	3/8	19	12	22	100	9	15,25
MSA2256VP G1/2-14	1/2	14	16	25	125	12	19
MSA2256VP G3/4-14	3/4	14	20	25	140	16	24,5
MSA2256VP G1-11	1"	11	25	30	160	20	30,75



P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119

Vc m/min

P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

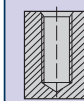
MSA4256VP G..

G 1/8 - 1"

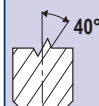


RIVESTIM.
COATED
VP

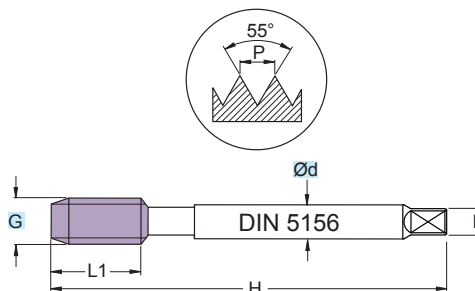
HSSE



**2-3
FILL**



**TOLL
ISO
228**



DIN 5156	(mm)						
ART.	G(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSA4256VP G1/8-28	1/8	28	7	15	90	5,5	8,8
MSA4256VP G1/4-19	1/4	19	11	15	100	9	11,8
MSA4256VP G3/8-19	3/8	19	12	15	100	9	15,25
MSA4256VP G1/2-14	1/2	14	16	18	125	12	19
MSA4256VP G3/4-14	3/4	14	20	20	140	16	24,5
MSA4256VP G1-11	1"	11	25	24	160	20	30,75



P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	10-15
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	10-20
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

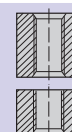
MSU020256STN G..

G 1/8 - 3/4

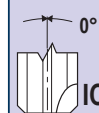


RIVESTIM.
COATED
TT

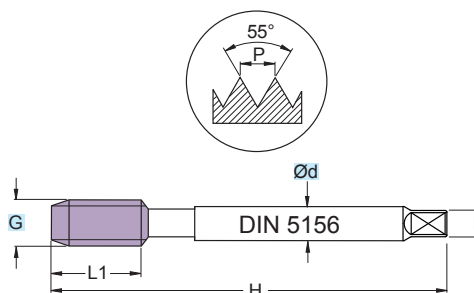
PM3



**4-5
FILL**



**TOLL
ISO
228"X"**



DIN 5156	(mm)						
ART.	G(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSU020256STN G1/8-28	1/8	28	7	15	90	5,5	8,8
MSU020256STN G1/4-19	1/4	19	11	22	100	9	11,8
MSU020256STN G3/8-19	3/8	19	12	22	100	9	15,25
MSU020256STN G1/2-14	1/2	14	16	25	125	12	19
MSU020256STN G3/4-14	3/4	14	20	25	140	16	24,5



PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119				Vc m/min
P	ACCIAIO - STEEL	●		15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●		5-12
M	ACCIAIO INOX - STAINLESS STEEL	●		6-15
K	GHISA - CAST IRON	●		10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	●		20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY			
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL			



Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

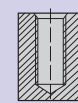
MSU150256STN G..

G 1/8 - 1"

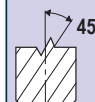
GAS

RIVESTIM.
COATED
TT

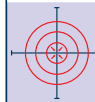
PM3



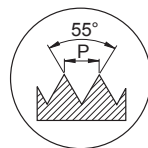
**2-3
FILL**



**TOLL
ISO
228"X"**



SINCRO



○ = RASTREMAZIONE - TAPER

DIN 5156	(mm)						
ART.	G(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSU150256STN G1/8-28	1/8	28	7	15	90	5,5	8,8
MSU150256STN G1/4-19	1/4	19	11	15	100	9	11,8
MSU150256STN G3/8-19	3/8	19	12	15	100	9	15,25
MSU150256STN G1/2-14	1/2	14	16	18	125	12	19
MSU150256STN G3/4-14	3/4	14	20	20	140	16	24,5
MSU150256STN G1"-11	1"	11	25	24	160	20	30,75

	P/tpi = FILETTI PER POLLICE
	P/tpi = THREADS FOR INCH-SIZES
	P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
	P/tpi = FILETS POUR POUÇES

- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
 FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
 FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
 POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

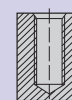
MSU150256STNW G..

G 1/8 - 1"

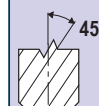
GAS

RIVESTIM.
COATED
TT

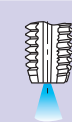
PM3



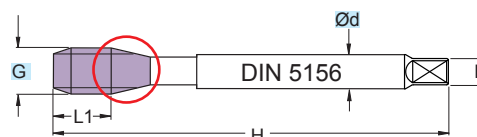
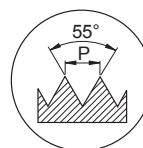
2-3 FILL



TOLL ISO 228"X"



SINCRO



○ = RASTREMAZIONE - TAPER

DIN 5156

(mm)

ART.	G(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSU150256STNW G1/8-28	1/8	28	7	15	90	5,5	8,8
MSU150256STNW G1/4-19	1/4	19	11	15	100	9	11,8
MSU150256STNW G3/8-19	3/8	19	12	15	100	9	15,25
MSU150256STNW G1/2-14	1/2	14	16	18	125	12	19
MSU150256STNW G3/4-14	3/4	14	20	20	140	16	24,5
MSU150256STNW G1"-11	1"	11	25	24	160	20	30,75



- PER MAGGIORI PRESTAZIONI SI CONSIGLIA MASCHIATURA SINCRONIZZATA
- FOR HIGHER PERFORMANCE WE RECOMMEND SYNCHRONIZED TAPPING
- FÜR HÖHERE LEISTUNGEN EMPFIEHLT SICH SYNCHRONISIERTES GEWINDESCHNEIDEN
- POUR PLUS DE PERFORMANCES IL EST CONSEILLE UN TARAUDAGE SYNCHRONISE

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-30
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL	●	5-12
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON	●	10-20
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	20-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

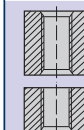
MSI020256TB G..

G 1/8 - 3/4

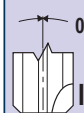


RIVESTIM.
COATED
TIALN+C

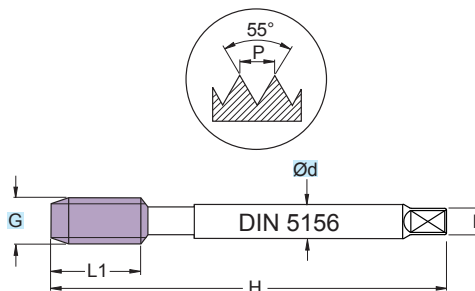
HSSV3



4-5
FILL



TOLL
ISO
228"X"



DIN 5156	(mm)						
ART.	G(°)	P/tpi	Ød	L1	H	B	Preforo Prebore
MSI020256TB G 1/8-28	1/8	28	7	15	90	5,5	8,8
MSI020256TB G 1/4-19	1/4	19	11	22	100	9	11,8
MSI020256TB G 3/8-19	3/8	19	12	22	100	9	15,25
MSI020256TB G 1/2-14	1/2	14	16	25	125	12	19
MSI020256TB G 3/4-14	3/4	14	20	25	140	16	24,5



P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	6-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

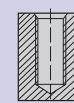
MSI160256TB G..

G 1/8 - 1"

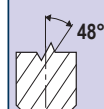
GAS

RIVESTIM.
COATED
TIALN+C

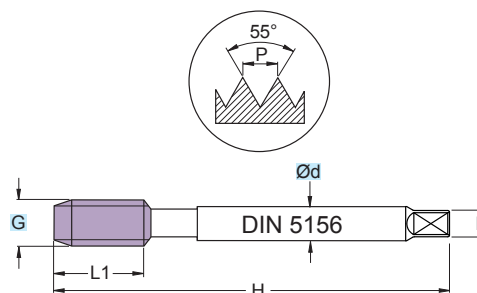
HSSV3



**2-3
FILL**



**TOLL
ISO
228"X"**



DIN 5156	(mm)						
ART.	G(")	P/tpi	Ød	L1	H	B	Preforo Prebore
MSI160256TB G 1/8-28	1/8	28	7	15	90	5,5	8,8
MSI160256TB G 1/4-19	1/4	19	11	15	100	9	11,8
MSI160256TB G 3/8-19	3/8	19	12	15	100	9	15,25
MSI160256TB G 1/2-14	1/2	14	16	18	125	12	19
MSI160256TB G 3/4-14	3/4	14	20	20	140	16	24,5
MSI160256TB G 1-11	1"	11	25	24	160	20	30,75



P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	15-35
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL	●	8-15
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



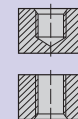
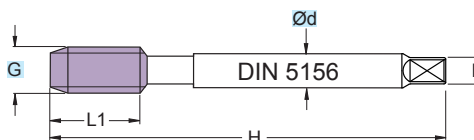
PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

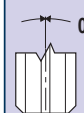
RIVESTIM.
COATED
SNS

HSSE

A diagram of a V-shaped groove with a 55-degree angle. A pressure P is applied to the top surface of the groove.



2-3
FILL



**TOLL
ISO
228"X"**

	P/tpi = FILETTI PER POLLICE
	P/tpi = THREADS FOR INCH-SIZES
	P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
	P/tpi = FILETS POUR POUCES

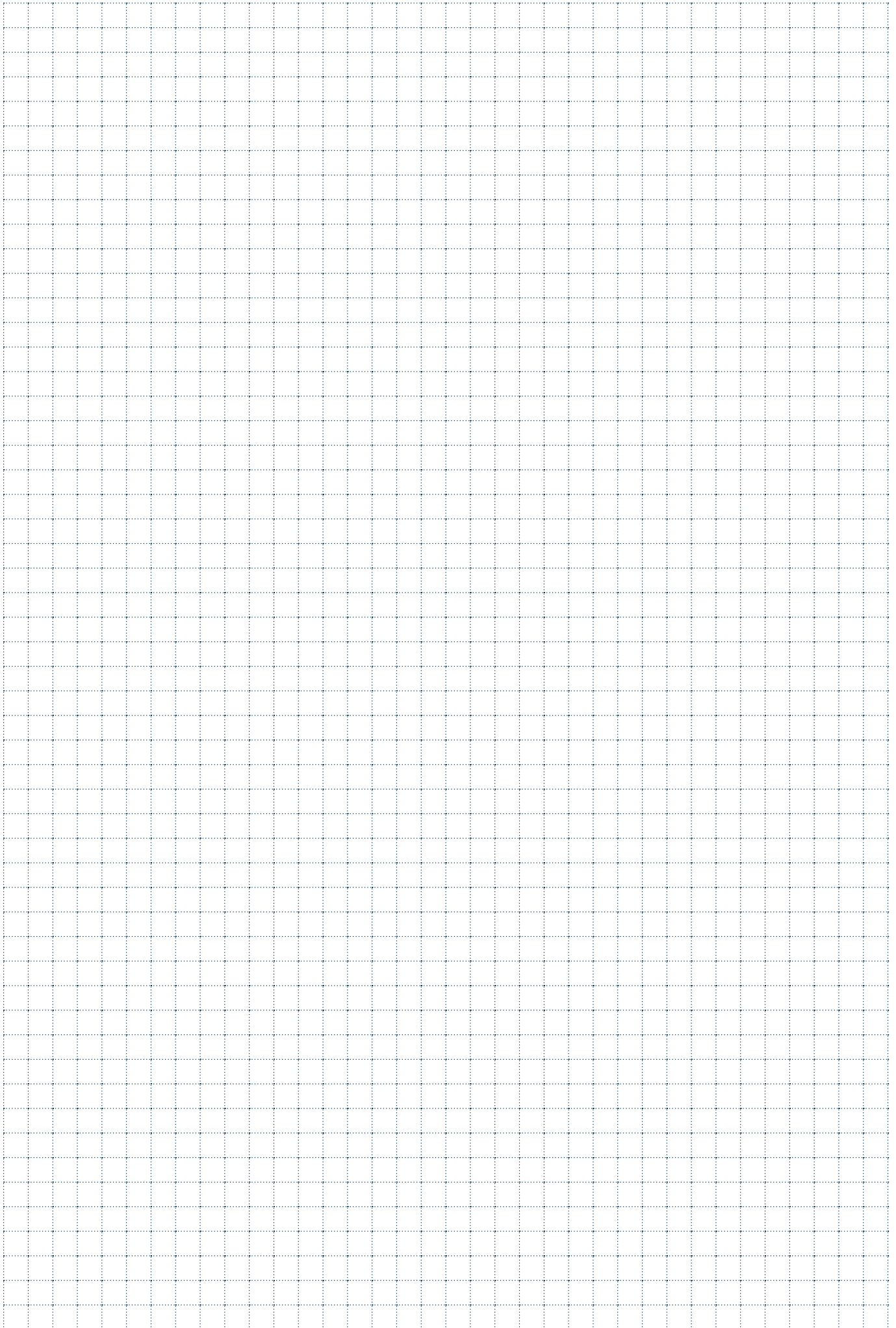
Vc m/min

P	ACCIAIO - STEEL		
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON	●	15-30
N	ALLUMINIO E SUE LEGHE - ALUMINIUM	○	25-30
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		



PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED





FILETTATURA NPT CONICA 1:16 AMERICANA

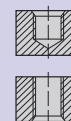
AMERICAN TAPERED PIPE THREAD (NPT), TAPER 1:16
AMERIKANISCHES KONISCHES (NPT)-GEWINDE 1:16
FILETAGE (NPT) CONIQUE 1:16 AMERICAİN
ROSCA (NPT) CÓNICA 1:16 AMERICANA

MSA15LNBR..

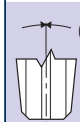
NPT 1/8 - 1"



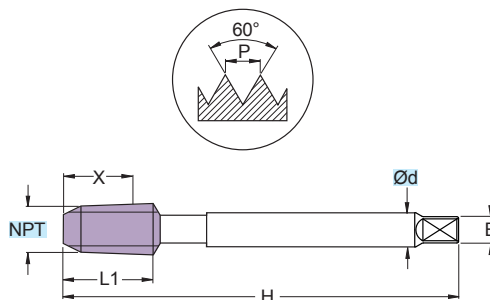
HSSE



2-3
FILL



1:16



(mm)

ART.	NPT(")	P/tpi	Ød	L1	H	B	X	Preforo Prebore
MSA15LNBR NPT1/8-27	1/8	27	7	13	90	5,5	9,3	*8,5
MSA15LNBR NPT1/4-18	1/4	18	11	20	100	9	13,5	*11
MSA15LNBR NPT3/8-18	3/8	18	12	20	110	9	13,9	*14,5
MSA15LNBR NPT1/2-14	1/2	14	16	26	125	12	18,1	*17,9
MSA15LNBR NPT3/4-14	3/4	14	20	26	140	16	18,6	*23,2
MSA15LNBR NPT1"-11,5	1"	11,5	25	32	160	20	22,3	*29

P/tpi = FILETTI PER POLLICE
 P/tpi = THREADS FOR INCH-SIZES
 P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN
 P/tpi = FILETS POUR POUCES

SI CONSIGLIA DI PREPARARE IL FORO CON ALESATORE CONICO
 PREPARATION OF THE BORE WITH STRAIGHT REAMER RECOMMENDED
 VORBEREITUNG DER BOHRUNG MIT KEGEL-REIBHALE EMPFOHLEN
 IL EST CONSEILLÉ DE PRÉPARER LE TROU À L'AIDE D'UN ALÉSOIR CONIQUE

* DIAMETRI DI FORATURA CILINDRICI
 * CILYNDRIC HOLE
 * ZYLINDRISCHE BOHRUNGSDURCHMESSER
 * DIAMETRES DE PERCAGE CYLINDRIQUES

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	3-7
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
M	ACCIAIO INOX - STAINLESS STEEL		
K	GHISA - CAST IRON		
N	ALLUMINIO E SUE LEGHE - ALUMINIUM		
S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED

MSA16LNBR..

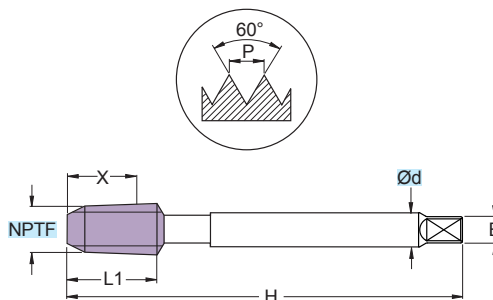
NPTF 1/8 - 1"

NPTF

HSSE

**2-3
FILL**

1:16



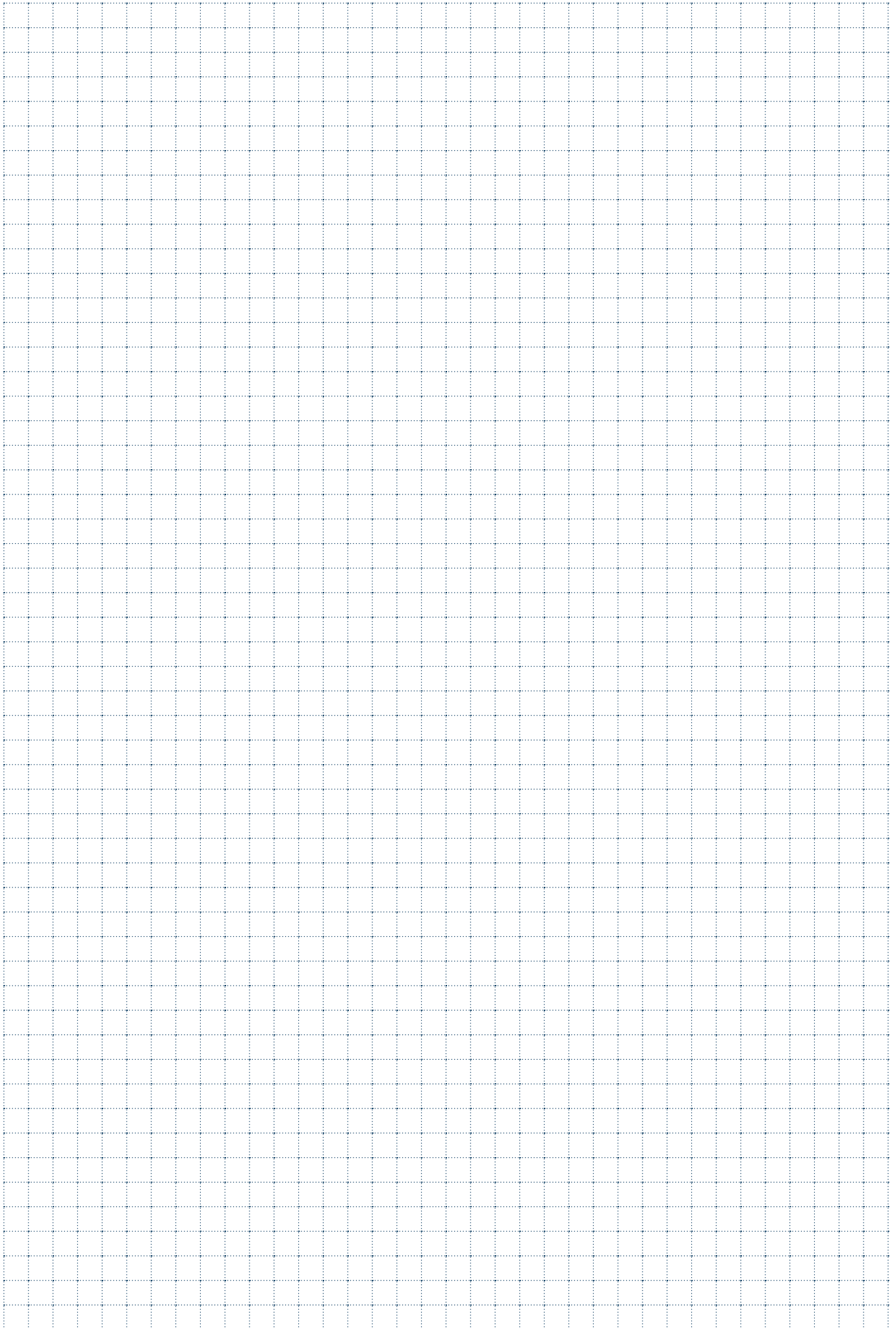
(mm)										
ART.	NPTF(°)	P/tpi	Ød	L1	H	B	X	Preforo Prebore		
MSA16LNBR NPTF1/8-27	1/8	27	7	13	90	5,5	9,3	*8,5		
MSA16LNBR NPTF1/4-18	1/4	18	11	20	100	9	13,5	*11		
MSA16LNBR NPTF3/8-18	3/8	18	12	20	110	9	13,9	*14,5		
MSA16LNBR NPTF1/2-14	1/2	14	16	26	125	12	18,1	*17,9		
MSA16LNBR NPTF3/4-14	3/4	14	20	26	140	16	18,6	*23,2		
MSA16LNBR NPTF1"-11,5	1"	11,5	25	32	160	20	22,3	*29		
P/tpi = FILETTI PER POLLICE P/tpi = THREADS FOR INCH-SIZES P/tpi = GEWINDE FÜR ZOLLABMESSUNGEN P/tpi = FILETS POUR POUCES										
SI CONSIGLIA DI PREPARARE IL FORO CON ALESATORE CONICO PREPARATION OF THE BORE WITH STRAIGHT REAMER RECOMMENDED VORBEREITUNG DER BOHRUNG MIT KEGEL-REIBHALE EMPFOHLEN IL EST CONSEILLÉ DE PRÉPARER LE TROU À L'AIDE D'UN ALÉSOIR CONIQUE										
* DIAMETRI DI FORATURA CILINDRICI * CILYNDRIC HOLE * ZYLINDRISCHE BOHRUNGSDURCHMESSER * DIAMETRES DE PERCAGE CYLINDRIQUES										

PARAMETRI - PARAMETERS

MATERIALI - MATERIALS Pag. 1119			Vc m/min
P	ACCIAIO - STEEL	●	3-7
	ACCIAIO AD ALTA RESISTENZA - HIGH-RESISTANCE STEEL		
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S	LEGHE RESIST. CALORE - HIG. TEMP. ALLOY		
H	MAT. DURI E TEMPRATI - HARD AND HARDENED MATERIAL		

PAG. 1092

Vc = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED





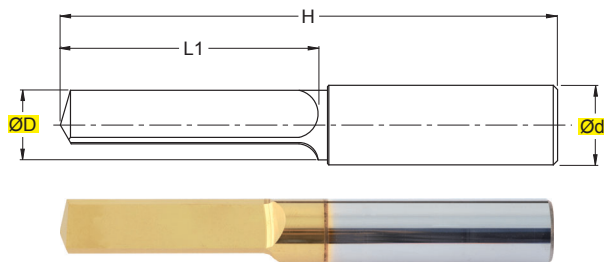
DISTRUGGI MASCHI

TAP DESTROYING TOOL
WERKZEUGE ZUM ENTFERNEN VON ABGEBROCHENEN GEWINDEBOHRERN
DESTRUCTEUR DE MALES
EXTRACTOR DE TACOS

SKR

 $\varnothing D = 3,3 - 17,5$

GENERICO / ALL PURPOSE

 $V_c = 120 \div 150 \text{ m/min}$
 $f_n = 0,03 \div 0,05 \text{ mm/giro} - \text{mm/rev.}$


TOLLERANZE

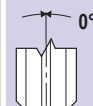
TOLERANCE RANGE

D

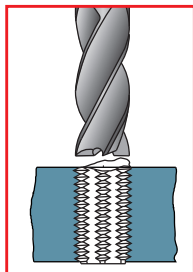
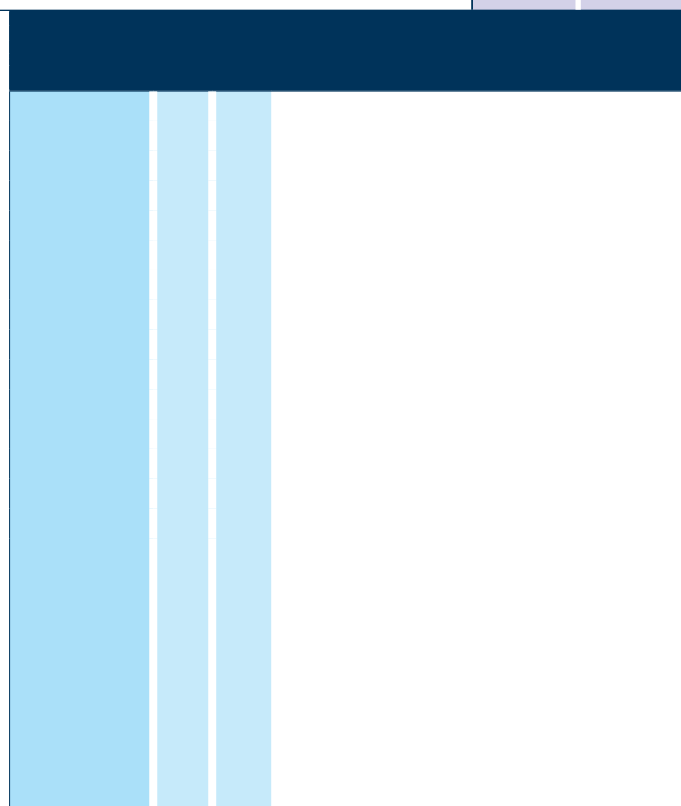
h11

d

h6

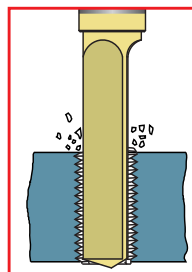
 RIVESTIM.
COATED
TIN


(mm)						
ART.	ØD	Ød	H	L1	Z	Filetto Thread
SKR01M04	3,3	6	50	15	3	M4
SKR01M05	4,2	6	50	15	3	M5
SKR01M06	5,0	6	50	15	3	M6
SKR01M08	6,8	8	60	20	3	M8
SKR01M10	8,5	10	70	25	3	M10
SKR01M12	10,2	12	75	30	3	M12
SKR01M14	12,0	12	75	30	3	M14
SKR01M16	14,0	14	100	40	3	M16
SKR01M18	15,5	16	100	40	3	M18
SKR01M20	17,5	18	100	50	3	M20



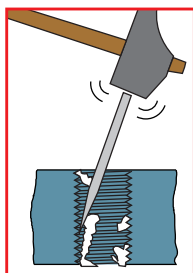
Fase 1. Con una fresa M.D.I. cercare di pareggiare il piano di rottura del maschio.

Step 1. With an HM mill try to level off the tap breakage plane.



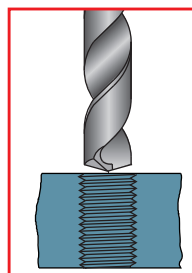
Fase 2. Cominciare la perforazione con il SKR. La refrigerazione può anche essere ad acqua.

Step 2. Begin the hole with the SKR. Water cooling can also be used.



Fase 3. È importante eliminare le scaglie di acciaio rimanenti sulle pareti del filetto. Utilizzare un qualsiasi utensile appuntito.

Step 3. It is important to remove the steel flakes left on the sides of the thread. Use any pointed tool.



Fase 4. Si consiglia di ripassare il foro con una punta M.D.I. del diametro di pre-foro.

Step 4. The hole should be re-machined with a HM bit with a diameter corresponding to the pre-hole.