



Speedtap 4.0 Speedtap



Hochleistungsgewindewerkzeuge



High performance threading tools



Maschi per alto rendimento



Speedtap 4.0

Maschi a macchina
Speedtap 4.0

Speedtap 4.0

D Übersicht

Maschinengewindebohrer Speedtap 4.0

E Overview

Machine taps Speedtap 4.0

I Sommario

Maschi a macchina Speedtap 4.0

	Speedtap 4.0						Speedtap	
Beschichtung / Coating / Rivestimento TiN: Titan-Nitrid Titanium nitride Nitruro di titanio VAPD: Vaporisiert Vaporized Vaporizzato HARDOUR: Hartstoffbeschichtung Hard surface coating Rivestimento superficiale indurito								
	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
	HRC	Uni	Inox	Uni	Inox	HRC	HRC	HRC
	HRC	HRC	HRC	HRC	HRC	HRC	Uni	Uni
Norm / Standard	WN	DIN 5156		WN		DIN 371		
Gewindeart / Type of thread / Tipo di maschio	MF	G	G	G	G	G	M	M
Lochart / Hole type / Tipo di fore								
Toleranz / Tolerance / Tolleranza	6HX			6HX	6HX	6HX	ISO2 6H	ISO2 6H
Anschnitt / Chamfer / Imbocco	C	B	C	C	D	C	B	B
Drallwinkel / Spiral angle / Angolo elica			50°					
Schneidstoff / Cutting material / Acciaie	VHM	HSSE-PM	HSSE-PM	HSSE-PM105	VHM	VHM	HSSE-V3	HSSE-V3
Beschichtung / Coating / Rivestimento	TiCN	HARDOUR	HARDOUR	TiCN	TiCN	TiCN		TiN
Ø mm	MF 8 - MF 20	G 1/8 - G 1	G 1/8 - G 1	G 1/8 - G 3/8	G 1/8 - G 1/4	G 1/8 - G 1/4	M 1,4 - M 12	M 3 - M 10
Schneidenanzahl / No. of flutes / Nr. denti	5 - 6	3 - 4	3 - 5	5	5	5	2 - 3	3
Code / Codice	4655	4772	4782	4617	4645	4655	4621	4641
Seite / Page / Pagina	273	274	275	276	277	277	278	278
Geeignet für / Suitable for / Adatte per								
 Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²								
 Stähle < 850 N/mm² Steels < 850 N/mm² Acciai < 850 N/mm²								
 Stähle < 1.100 N/mm² Steels < 1.100 N/mm² Acciai < 1.100 N/mm²								
 Stähle < 1.300 N/mm² Steels < 1.300 N/mm² Acciai < 1.300 N/mm²								
 Stähle > 42 - 63 HRC Steels > 42 - 63 HRC Acciai > 42 - 63 HRC								
 Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²								
 Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²								
 Grauguss, Temperguss Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile								
 Nickel Nickel Nickel								
 Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio								
 Kupfer, Messing Copper, brass Rame, ottone								
 Aluminium Aluminium Alluminio								
 Kunststoffe Plastics Materie plastiche								

D Übersicht

Maschinengewindebohrer
Speedtap

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Machine taps
Speedtap

I Sommario

Maschi a macchina
Speedtap

Speedtap										
										
NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
Uni	Uni	Uni Inox	Uni Inox	Uni Inox	Uni	Uni	Uni	Uni	Uni	Uni
DIN 376		DIN 371 / DIN 376			DIN 371		DIN 376		DIN 371	DIN 376
M	M	M	M	M	M	M	M	M	M	M
										
ISO2 6H	ISO2 6H	6HX	6HX	6GX	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H
B	B	B	B	B	C	C	C	C	C	C
					40°	40°	40°	40°	45°	45°
HSSE-V3	HSSE-V3	HSSE-PM55	HSSE-PM55	HSSE-PM55	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3
	TiN	HARDOUR	HARDOUR	HARDOUR		VAPD		VAPD	TiN	TiN
M 2 - M 52	M 3 - M 36	M 6 - M 20	M 2 - M 30	M 3 - M 20	M 2 - M 12	M 3 - M 10	M 3 - M 36	M 3 - M 36	M 3 - M 10	M 3 - M 24
2 - 4	3 - 4	3 - 4	3 - 4	3	2 - 3	3	3 - 4	3 - 4	3	3 - 4
4631	4651	4625/4635	4605/4615	4629/4639	4661	4601	4671	4611	4681	4691
279	279	280	280	280	282	282	283	283	284	285
										
										
										
										
										
										
										
										
										
										
										

 Ideal / Ideal / Ideale

 Geeignet / Suitable / Adatte

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Machine taps Speedtap

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Maschi a macchina Speedtap

Beschichtung / Coating / Rivestimento

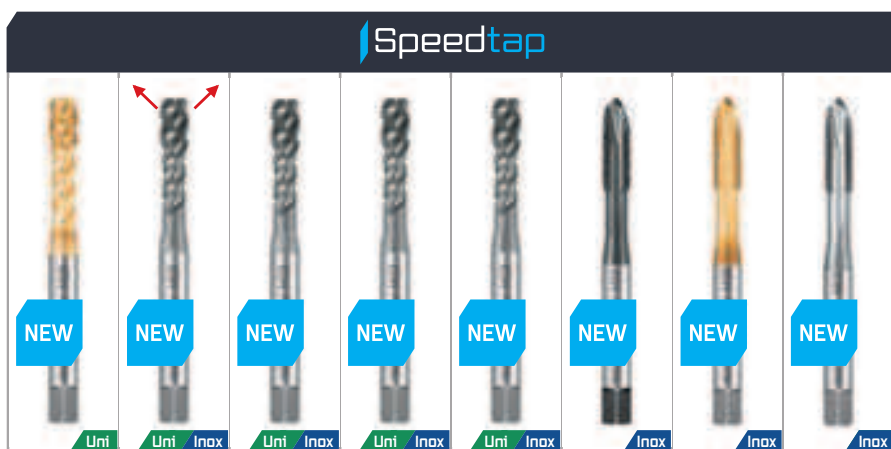
TiN:
Titan-Nitrid
Titanium nitride
Nitruro di titanio

VAPQ:
Vaporisiert
Vaporized
Vaporizzato

HARDOUR:
Hartstoffbeschichtung
Hard surface coating
Rivestimento superficiale indurito

TiNOUR:
Spezial-Titan-Nitrid
Special titanium nitride
Nitruro di titanio speciale

TiCN:
Titan-Carbonitrid
Titanium carbonitride
Carbonitruro di titanio



Norm / Standard	DIN 371	Uni	Inox	Uni	Inox	Uni	Inox	Uni	Inox
Gewindeart / Type of thread / Tipo di maschio	M	M	M	M	M	M	M	M	M
Lochart / Hole type / Tipo di fore									
Toleranz / Tolerance / Tolleranza	ISO2 6H	6HX	6HX	6HX	6GX	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H
Anschnitt / Chamfer / Imbocco	C	C	C	E	C	B	B	B	B
Drallwinkel / Spiral angle / Anglio elica	45°	50°	50°	50°	50°				
Schneidstoff / Cutting material / Acciaie	HSSE-PM55	HSSE-PM55	HSSE-PM55	HSSE-PM55	HSSE-PM55	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3
Beschichtung / Coating / Rivestimento	TiNOUR	HARDOUR	HARDOUR	HARDOUR	HARDOUR	VAPQ	TiN	TiCN	TiCN
Ø mm	M 3 - M 10	M 6 - M 20	M 2 - M 30	M 3 - M 20	M 3 - M 20	M 2 - M 12	M 3 - M 10	M 3 - M 10	M 3 - M 10
Schneidenanzahl / No. of flutes / Nr. denti	3	3 - 4	3 - 4	3 - 4	3 - 4	2 - 3	3	3	3
Code / Codice	4666	4685/4695	4665/4675	4606/4616	4626/4636	4602	4622	4642	4642
Seite / Page / Pagina	286	287	287	288	289	290	290	290	290

Geeignet für / Suitable for / Adatte per

 Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²									
 Stähle < 850 N/mm² Steels < 850 N/mm² Acciai < 850 N/mm²									
 Stähle < 1.100 N/mm² Steels < 1.100 N/mm² Acciai < 1.100 N/mm²									
 Stähle < 1.300 N/mm² Steels < 1.300 N/mm² Acciai < 1.300 N/mm²									
 Stähle > 42 - 63 HRC Steels > 42 - 63 HRC Acciai > 42 - 63 HRC									
 INOX Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²									
 INOX Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²									
 GRAUGUSS CAST IRON GHISA GRIGIA Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile									
 Ni Nickel Nickel									
 Ti Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio									
 Cu, Ms Kupfer, Messing Copper, brass Rame, ottone									
 Al Aluminium Aluminium Alluminio									
 Kunststoffe Plastics Materie plastiche									

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Maschi a macchina
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Speedtap										
										
NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW
Inox	Inox	Inox	Inox	Uni-Inox	Inox	Inox	Inox	Inox	Inox	Inox
DIN 376			DIN 371/ DIN 376		DIN 371			DIN 376		
M	M	M	M	M	M	M	M	M	M	M
										
ISO2 6H	ISO2 6H	ISO2 6H	ISO3 6G	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H
B	B	B	B	B	C	C	C	C	C	C
					40°	40°	40°	40°	40°	40°
HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-PM55	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3	HSSE-V3
VAPO	TiN	TiCN	VAPO	TiCN	VAPO	TiN	TiCN	VAPO	TiN	TiCN
M 3 - M 36	M 4 - M 30	M 12 - M 36	M 2 - M 20	M 3 - M 20	M 2 - M 12	M 3 - M 10	M 3 - M 10	M 3 - M 36	M 3 - M 20	M 12 - M 36
3 - 4	3 - 4	3 - 4	2 - 3	3	2 - 4	3	3	3 - 5	3 - 4	4 - 5
4612	4632	4652	4662/4672	4686/4696	4647	4604	4624	4657	4614	4634
291	291	291	292	293	294	294	294	295	295	295
										
										
										
										
										
										
										
										
										
										
										
										
										



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Maschi a macchina
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Speedtap							
Beschichtung / Coating / Rivestimento TiN: Titan-Nitrid Titanium nitride Nitruro di titanio VAPQ: Vaporisiert Vaporized Vaporizzato HARDOUR: Hartstoffbeschichtung Hard surface coating Rivestimento superficiale indurito							
	NEW	NEW	NEW	NEW	NEW	NEW	NEW
	Inox	Inox	Uni Inox	Uni Inox	Alu	Alu	Cast Iron
	DIN 371 / DIN 376				DIN 371		
	M	M	M	M	M	M	M
Lochart / Hole type / Tipo di fore							
Toleranz / Tolerance / Tolleranza	ISO3 6G	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	6HX
Anschnitt / Chamfer / Imbocco	C	C	C	C	B	C	C
Drallwinkel / Spiral angle / Angolo elica	40°	45°	50°	50°		40°	
Schneidstoff / Cutting material / Acciaie	HSSE-V3	HSSE-V3	HSSE-PM55	HSSE-PM55	HSSE-V3	HSSE-V3	HSSE-V3
Beschichtung / Coating / Rivestimento	VAPQ	VAPQ	TiCN	TiCN			TiCN
Ø mm	M 2 - M 30	M 4 - M 20	M 6 - M 30	M 3 - M 30	M 3 - M 20	M 2 - M 10	M 4 - M 10
Schneidenanzahl / No. of flutes / Nr. denti	2 - 5	3 - 4	3 - 4	3 - 4	3	2 - 3	3 - 4
Code / Codice	4687/4697	4646/4656	4627/4637	4649/4659	4664/4674	4676	4684
Seite / Page / Pagina	296	297	298	298	299	300	301
Geeignet für / Suitable for / Adatte per							
 Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²							
 Stähle < 850 N/mm² Steels < 850 N/mm² Acciai < 850 N/mm²							
 Stähle < 1.100 N/mm² Steels < 1.100 N/mm² Acciai < 1.100 N/mm²							
 Stähle < 1.300 N/mm² Steels < 1.300 N/mm² Acciai < 1.300 N/mm²							
 Stähle > 42 - 63 HRC Steels > 42 - 63 HRC Acciai > 42 - 63 HRC							
 INOX Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²							
 INOX Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²							
 Grauguss, Temperguss Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile							
 Nickel Nickel Nickel							
 Ti Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio							
 Cu, Ms Kupfer, Messing Copper, brass Rame, ottone							
 Al Aluminium Aluminium Alluminio							
 Kunststoffe Plastics Materie plastiche							

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Maschinengewindebohrer
Speedtap

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Machine taps
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Maschi a macchina
Speedtap

Speedtap									
									
Cast Iron	Cast Iron	Cast Iron	Uni	Uni Inox	Uni	Uni Inox	Inox	Inox	Cast Iron
DIN 376	DIN 371		DIN 374						
M	M	M	MF	MF	MF	MF	MF	MF	MF
									
6HX	ISO2 6H	ISO2 6H	ISO2 6H	6HX	ISO2 6H	6HX	ISO2 6H	ISO2 6H	6HX
C	B	C	B	B	C	C	B	C	C
		15°			40°	50°		40°	
HSSE-V3	HSSE-PM55	HSSE-PM55	HSSE-V3	HSSE-PM55	HSSE-V3	HSSE-PM55	HSSE-V3	HSSE-V3	HSSE-V3
TiCN	TiCN	TiCN		HARDOR		HARDOR	VAPD	VAPD	TiCN
M 5 - M 16	M 2,5 - M 10	M 2,5 - M 10	MF 3 - MF 52	MF 8 - MF 20	MF 3 - MF 30	MF 8 - MF 20	MF 3 - MF 24	MF 3 - MF 30	MF 8 - MF 16
3 - 4	2 - 3	2 - 3	3 - 4	3 - 4	3 - 4	3 - 5	3	3 - 5	4
4694	4682	4698	4703	4753	4713	4763	4723	4733	4743
301	302	303	304	306	307	308	309	310	311
									
									
									
									
									
									
									
									
									
									
									

 Ideal / Ideal / Ideale

 Geeignet / Suitable / Adatte



Speedtap 4.0

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Maschinengewindebohrer Speedtap

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Machine taps Speedtap

I Sommario

Maschi a macchina Speedtap

Beschichtung / Coating / Rivestimento

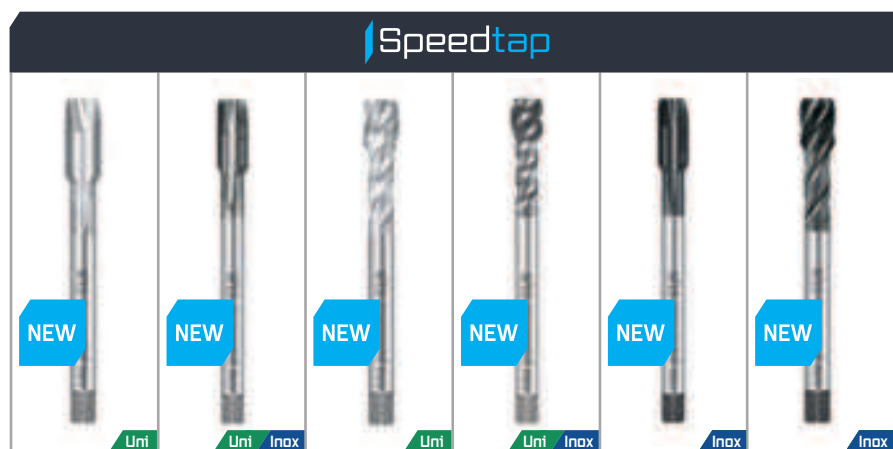
TIN:
Titan-Nitrid
Titanium nitride
Nitruro di titanio

VAPD:
Vaporisiert
Vaporized
Vaporizzato

HARDOUR:
Hartstoffbeschichtung
Hard surface coating
Rivestimento superficiale indurito

TWINDUR:
Spezial-Titan-Nitrid
Special titanium nitride
Nitruro di titanio speciale

TICN:
Titan-Carbonitrid
Titanium carbonitride
Carbonitruro di titanio



Norm / Standard	DIN 5156					
Gewindeart / Type of thread / Tipo di maschio	G	G	G	G	G	G
Lochart / Hole type / Tipo di fore						
Toleranz / Tolerance / Tolleranza						
Anschnitt / Chamfer / Imbocco	B	B	C	C	B	C
Drallwinkel / Spiral angle / Angolo elica			40°	50°		40°
Schneidstoff / Cutting material / Acciaie	HSSE-V3	HSSE-PM55	HSSE-V3	HSSE-PM55	HSSE-V3	HSSE-V3
Beschichtung / Coating / Rivestimento		HARDOUR		HARDOUR	VAPD	VAPD
Ø mm	G 1/8 - G 1 1/2	G 1/8 - G 1	G 1/8 - G 1 1/2	G 1/8 - G 1	G 1/8 - G 1	G 1/8 - G 1 1/2
Schneidenanzahl / No. of flutes / Nr. denti	3 - 4	3 - 4	3 - 6	3 - 5	3 - 4	4 - 6
Code / Codice	4702	4742	4712	4752	4722	4732
Seite / Page / Pagina	312	313	314	315	316	317

Geeignet für / Suitable for / Adatte per

	Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²					
	Stähle < 850 N/mm² Steels < 850 N/mm² Acciai < 850 N/mm²					
	Stähle < 1.100 N/mm² Steels < 1.100 N/mm² Acciai < 1.100 N/mm²					
	Stähle < 1.300 N/mm² Steels < 1.300 N/mm² Acciai < 1.300 N/mm²					
	Stähle > 42 - 63 HRC Steels > 42 - 63 HRC Acciai > 42 - 63 HRC					
	Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²					
	Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²					
	Grauguss, Temperguss Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile					
	Nickel Nickel Nickel					
	Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio					
	Kupfer, Messing Copper, brass Rame, ottone					
	Aluminium Aluminium Alluminio					
	Kunststoffe Plastics Materie plastiche					

D Übersicht

Maschinengewindeformer
Speedtap

E Overview

Rolling taps
Speedtap

I Sommario

Maschi a rullare
Speedtap

Speedtap						
						
NEW	NEW	NEW	NEW	NEW	NEW	NEW
Uni	Uni	Inox	Inox	Uni	Inox	Uni
DIN 2174						DIN 2189
M	M	M	M	MF	MF	G
						
6HX	6HX	6HX	6HX	6HX	6HX	
C	C	C	C	C	C	C
HSSE-Co8	HSSE-Co8	HSSE	HSSE	HSSE-Co8	HSSE	HSSE-Co8
TiCN	TiCN	TiN	TiN	TiCN	TiN	TiCN
M 6 - M 45	M 1 - M 30	M 6 - M 16	M 2 - M 16	MF 8 - MF 24	MF 3 - MF 16	G 1/8 - G 1/2
5 - 9	4 - 8	5 - 7	3 - 7	5 - 8	3 - 6	8
4689/4699	4669/4679	4678/4688	4644/4654	4773	4783	4692
318	318	319	319	320	321	322
						
						
						
						
						
						
						
						
						

D Maschinengewindebohrer
Speedtap 4.0–Uni/Inox,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

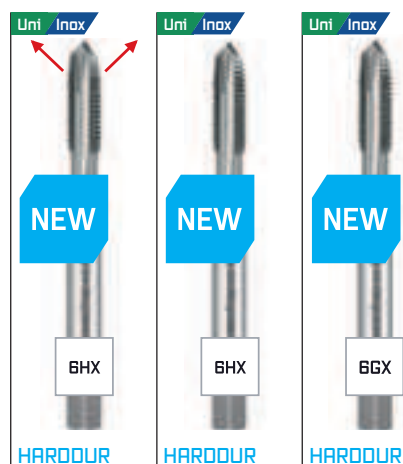
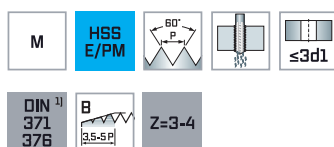
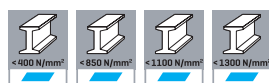
E Machine taps
Speedtap 4.0–Uni/Inox,
straight fluted, for metric
ISO-threads DIN 13

I Maschi a macchina
Speedtap 4.0–Uni/Inox,
scanalature dritte, per
filettatura metrica ISO, DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl $\leq 1300 \text{ N/mm}^2$.
Die Generation 4.0 setzt neue Maßstäbe beim
Gewinden.

Range of application:
Tap made of powder steel for through hole
threads. Especially suitable for stainless
Cr-Ni steels, non-alloyed and alloyed steels
 $\leq 1300 \text{ N/mm}^2$. The generation 4.0 sets new
standards in threading.

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per acciai inossidabili
Cr-Ni, acciai legati e non legati $\leq 1300 \text{ N/mm}^2$. La
nuova generazione 4.0 stabilisce nuovi standard per
realizzare maschiature.



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4618 Art.-Nr.	Code 4608 Art.-Nr.	Code 4628 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	3	Ø 1,6		0 4608002001 00	
M 2,5	0,45	50	9	–	2,8	2,1	3	Ø 2,05		0 4608002501 00	
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5		0 4608003001 00	0 4628003001 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3		0 4608004001 00	0 4628004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2		0 4608005001 00	0 4628005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4618006001 00	0 4608006001 00	0 4628006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4618008001 00	0 4608008001 00	0 4628008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4618010001 00	0 4608010001 00	0 4628010001 00
M 12	1,75	110	28	–	9	7	3	Ø 10,2	0 4618012001 00	0 4608012001 00	0 4628012001 00
M 14	2	110	30	–	11	9	3	Ø 12		0 4608014001 00	
M 16	2	110	32	–	12	9	3	Ø 14	0 4618016001 00	0 4608016001 00	0 4628016001 00
M 20	2,5	140	34	–	16	12	3	Ø 17,5		0 4608020001 00	0 4628020001 00
M 20	2,5	140	34	–	16	12	4	Ø 17,5	0 4618020001 00		
M 24	3	160	38	–	18	14,5	3	Ø 21		0 4608024001 00	
M 27	3	160	38	–	20	16	4	Ø 24		0 4608027001 00	
M 30	3,5	180	45	–	22	18	4	Ø 26,5		0 4608030001 00	

⁽¹⁾ DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer Speedtap 4.0–Uni/Inox, spiral-genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl $\leq 1300 \text{ N/mm}^2$.
Die Generation 4.0 setzt neue Maßstäbe beim
Gewinden.

E Machine taps Speedtap 4.0–Uni/Inox, spiral fluted, for metric ISO-threads DIN 13

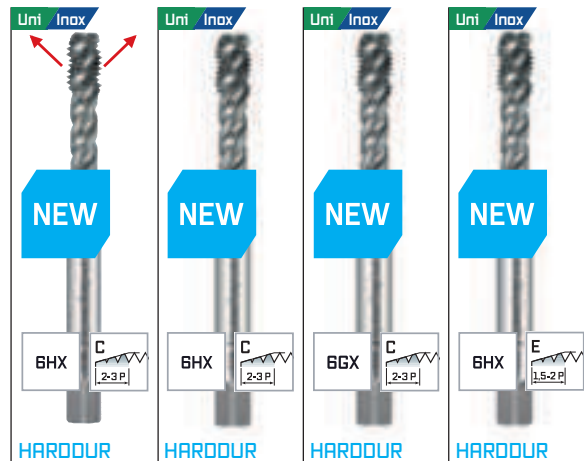
Range of application:

Tap made of powder steel for blind hole
threads. Especially suitable for stainless
Cr-Ni steels, non-alloyed and alloyed steels
 $\leq 1300 \text{ N/mm}^2$. The generation 4.0 sets new
standards in threading.

I Maschi a macchina Speedtap 4.0–Uni/Inox, scanalature elicoidali, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai inossidabili
Cr-Ni, acciai legati e non legati $\leq 1300 \text{ N/mm}^2$. La
nuova generazione 4.0 stabilisce nuovi standard per
realizzare maschiature.



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 h9 mm	a h12 mm	Z		Code 4648 Art.-Nr.	Code 4638 Art.-Nr.	Code 4658 Art.-Nr.	Code 4668 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	3	Ø 1,6		0 4638002001 00		
M 2,5	0,45	50	9	–	2,8	2,1	3	Ø 2,05		0 4638002501 00		
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5		0 4638003001 00	0 4658003001 00	0 4668003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3		0 4638004001 00	0 4658004001 00	0 4668004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2		0 4638005001 00	0 4658005001 00	0 4668005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4648006001 00	0 4638006001 00	0 4658006001 00	0 4668006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4648008001 00	0 4638008001 00	0 4658008001 00	0 4668008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4648010001 00	0 4638010001 00	0 4658010001 00	0 4668010001 00
M 12	1,75	110	18	–	9	7	4	Ø 10,2	0 4648012001 00	0 4638012001 00	0 4658012001 00	0 4668012001 00
M 14	2	110	20	–	11	9	4	Ø 12		0 4638014001 00		
M 16	2	110	20	–	12	9	4	Ø 14	0 4648016001 00	0 4638016001 00	0 4658016001 00	0 4668016001 00
M 20	2,5	140	25	–	16	12	4	Ø 17,5	0 4648020001 00	0 4638020001 00	0 4658020001 00	0 4668020001 00
M 24	3	160	30	–	18	14,5	4	Ø 21		0 4638024001 00		
M 27	3	160	30	–	20	16	4	Ø 24		0 4638027001 00		
M 30	3,5	180	35	–	22	18	4	Ø 26,5		0 4638030001 00		

⁽¹⁾ DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer
Speedtap 4.0-Titanium,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

E Machine taps
Speedtap 4.0-Titanium,
straight fluted, for metric
ISO-threads DIN 13

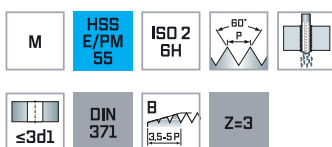
I Maschi a macchina
Speedtap 4.0-Titanium,
scanalature diritte, per
filettatura metrica ISO, DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für Titan und Titanlegierungen
≤1500 N/mm². Die Generation 4.0 setzt neue
Maßstäbe beim Gewinden.

Range of application:
Tap made of powder steel for through hole threads.
Especially suitable for titanium and titanium
alloys ≤1500 N/mm². The generation 4.0 sets
new standards in threading.

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per titanio e leghe
di titanio ≤1500 N/mm². La nuova generazione 4.0
stabilisce nuovi standard per realizzare maschiature.

Speedtap 4.0



Titan

NEW



VRPO

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4667 Art.-Nr.
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5	0 4667003001 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4667004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4667005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4667006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4667008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4667010001 00

D Maschinengewindebohrer
Speedtap 4.0–Titanium,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für Titan und Titanlegierungen
≤1500 N/mm². Die Generation 4.0 setzt neue
Maßstäbe beim Gewinden.

E Machine taps
Speedtap 4.0–Titanium,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:

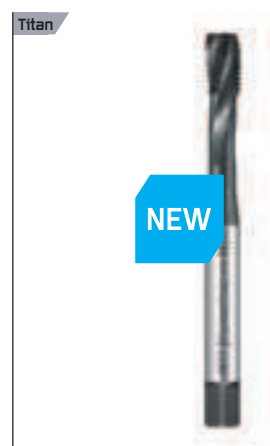
Tap made of powder steel for blind hole threads.
Especially suitable for titanium and titanium
alloys ≤1500 N/mm². The generation 4.0 sets
new standards in threading.

I Maschi a macchina
Speedtap 4.0–Titanium,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per titanio e leghe
di titanio ≤1500 N/mm². La nuova generazione 4.0
stabilisce nuovi standard per realizzare maschiature.

Speedtap 4.0



VRPO

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4677 Art.-Nr.
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4677003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4677004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4677005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4677006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4677008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4677010001 00

D Maschinengewindebohrer
Speedtap 4.0–Nickel,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

E Machine taps
Speedtap 4.0–Nickel,
straight fluted, for metric
ISO-threads DIN 13

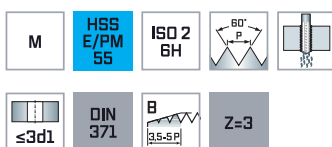
I Maschi a macchina
Speedtap 4.0–Nickel,
scanalature diritte, per
filettatura metrica ISO, DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für Nickel und Nickellegierung-
en $\leq 1500 \text{ N/mm}^2$. Die Generation 4.0 setzt neue
Maßstäbe beim Gewinden.

Range of application:
Tap made of powder steel for through hole
threads. Especially suitable for nickel and nickel
alloys $\leq 1500 \text{ N/mm}^2$. The generation 4.0 sets
new standards in threading.

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per nichel e leghe
di nichel $\leq 1500 \text{ N/mm}^2$. La nuova generazione 4.0
stabilisce nuovi standard per realizzare maschiature.

Speedtap 4.0



Nickel

NEW



d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4704 Art.-Nr.
M 3	0,5	56	12	3,5	2,7	3	Ø 2,5	0 4704003001 00
M 4	0,7	63	16	4,5	3,4	3	Ø 3,3	0 4704004001 00
M 5	0,8	70	19	6	4,9	3	Ø 4,2	0 4704005001 00
M 6	1	80	23	6	4,9	3	Ø 5	0 4704006001 00
M 8	1,25	90	30	8	6,2	3	Ø 6,8	0 4704008001 00
M 10	1,5	100	38	10	8	3	Ø 8,5	0 4704010001 00

D Maschinengewindebohrer
Speedtap 4.0–Nickel,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für Nickel und Nickellegie-
rungen $\leq 1500 \text{ N/mm}^2$. Die Generation 4.0 setzt
neue Maßstäbe beim Gewinden.

E Machine taps
Speedtap 4.0–Nickel,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:

Tap made of powder steel for blind hole threads.
Especially suitable for nickel and nickel alloys
 $\leq 1500 \text{ N/mm}^2$. The generation 4.0 sets new
standards in threading.

I Maschi a macchina
Speedtap 4.0–Nickel,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per nichel e leghe
di nichel $\leq 1500 \text{ N/mm}^2$. La nuova generazione 4.0
stabilisce nuovi standard per realizzare maschiature.

Speedtap 4.0



Nickel

NEW



d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4705 Art.-Nr.
M 3	0,5	56	11	3,5	2,7	3	Ø 2,5	0 4705003001 00
M 4	0,7	63	14	4,5	3,4	3	Ø 3,3	0 4705004001 00
M 5	0,8	70	17	6	4,9	3	Ø 4,2	0 4705005001 00
M 6	1	80	21	6	4,9	3	Ø 5	0 4705006001 00
M 8	1,25	90	28	8	6,2	3	Ø 6,8	0 4705008001 00
M 10	1,5	100	35	10	8	3	Ø 8,5	0 4705010001 00

D Maschinengewindebohrer
Speedtap 4.0-Ultra Hard
Steel 53 HRC,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Durchgangs- und Grundgewinde. Besonders geeignet für zähe und schwer zerspanbare Werkstoffe ≤53HRC. Die Generation 4.0 setzt neue Maßstäbe beim Gewinden.

E Machine taps
Speedtap 4.0-Ultra Hard
steel 53 HRC,
straight fluted, for metric
ISO-threads DIN 13

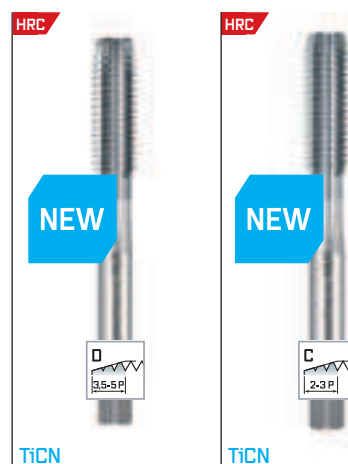
Range of application:

Tap made of powder steel for through hole threads and blind hole threads. Especially suitable for tough and difficult to machine materials ≤53HRC. The generation 4.0 sets new standards in threading.

I Maschi a macchina
Speedtap 4.0-Ultra Hard
steel 53 HRC,
scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori passanti e fori ciechi. Particolarmente adatti per materiali duri e tenaci difficili da lavorare ≤53HRC. La nuova generazione 4.0 stabilisce nuovi standard per realizzare maschiature.



d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z			Code 4607 Art.-Nr.	Code 4617 Art.-Nr.
M 3	0,5	46	11	3,5	2,7	4	Ø 2,55		0 4607003001 00	0 4617003001 00
M 4	0,7	52	13	4,5	3,4	4	Ø 3,4		0 4607004001 00	0 4617004001 00
M 5	0,8	60	16	6	4,9	4	Ø 4,3		0 4607005001 00	0 4617005001 00
M 6	1	62	19	6	4,9	4	Ø 5,1		0 4607006001 00	0 4617006001 00
M 8	1,25	70	22	6	4,9	5	Ø 6,9		0 4607008001 00	0 4617008001 00
M 10	1,5	75	24	7	5,5	5	Ø 8,6		0 4607010001 00	0 4617010001 00
M 12	1,75	82	29	9	7	5	Ø 10,4		0 4607012001 00	0 4617012001 00
M 14	2	88	30	11	9	5	Ø 12,1			0 4617014001 00
M 16	2	95	32	12	9	5	Ø 14,1		0 4607016001 00	0 4617016001 00
M 20	2,5	105	37	16	12	5	Ø 17,7		0 4607020001 00	0 4617020001 00
M 24	3	160	38	18	14,5	5	Ø 21,2		0 4607024001 00	0 4617024001 00

Schneidöl / Cutting oil / Olio da taglio

Menge/Quantity/Quantità ml	Code 4601 Art.-Nr.
50	0 4601000011 00
125	0 4601000021 00
500	0 4601000031 00

D Maschinengewindebohrer
Speedtap 4.0–Ultra Hard
Steel 63 HRC,
 gerade genutet, für metrisches
 ISO-Gewinde DIN 13

Einsatzbereich:

VHM Gewindebohrer für Durchgangs- und Grundgewinde. Besonders geeignet für zähe und schwer zerspanbare Werkstoffe sowie Hartbearbeitung ≤63HRC. Die Generation 4.0 setzt neue Maßstäbe beim Gewinden.

E Machine taps
Speedtap 4.0–Ultra Hard
steel 63 HRC,
 straight fluted, for metric
 ISO-threads DIN 13

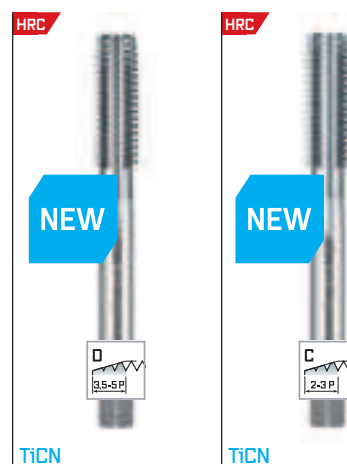
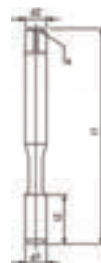
Range of application:

Solid carbide tap for through hole threads and blind hole threads. Especially suitable for tough and difficult to machine materials as well as hard machining ≤63HRC. The generation 4.0 sets new standards in threading.

I Maschi a macchina
Speedtap 4.0–Ultra Hard
steel 63 HRC,
 scanalature diritte, per
 filettatura metrica ISO, DIN 13

Impiego:

Maschi in metallo duro per fori passanti e fori ciechi. Particolarmente adatti per materiali duri e tenaci difficili da lavorare oltre che per materiali temprati ≤63HRC. La nuova generazione 4.0 stabilisce nuovi standard per realizzare maschiature.



TiCN

TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4645 Art.-Nr.	Code 4655 Art.-Nr.
M 3	0,5	46	11	3,5	2,7	4	Ø 2,55	0 4645003001 00	0 4655003001 00
M 3,5	0,6	46	13	4	3	4	Ø 3	0 4645003501 00	0 4655003501 00
M 4	0,7	52	13	4,5	3,4	4	Ø 3,4	0 4645004001 00	0 4655004001 00
M 5	0,8	60	16	6	4,9	4	Ø 4,3	0 4645005001 00	0 4655005001 00
M 6	1	62	19	6	4,9	5	Ø 5,1	0 4645006001 00	0 4655006001 00
M 8	1,25	70	22	6	4,9	5	Ø 6,9	0 4645008001 00	0 4655008001 00
M 10	1,5	75	24	7	5,5	5	Ø 8,6	0 4645010001 00	0 4655010001 00
M 12	1,75	82	29	9	7	5	Ø 10,4	0 4645012001 00	0 4655012001 00
M 14	2	88	30	11	9	6	Ø 12,1	0 4645014001 00	0 4655014001 00
M 16	2	95	32	12	9	6	Ø 14,1	0 4645016001 00	0 4655016001 00
M 20	2,5	105	37	16	12	6	Ø 17,7	0 4645020001 00	0 4655020001 00

Schneidöl / Cutting oil / Olio da taglio

Menge / Quantity / Quantità ml	Code 4601 Art.-Nr.
50	0 4601000011 00
125	0 4601000021 00
500	0 4601000031 00

D Maschinengewindebohrer
Speedtap 4.0–Uni/Inox,
gerade genutet, für metrisches
ISO-Feingewinde DIN 13

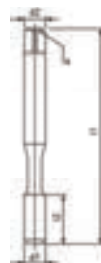
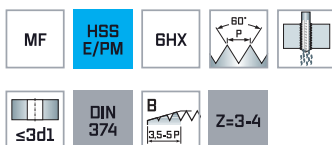
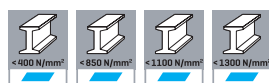
Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl $\leq 1300 \text{ N/mm}^2$.
Die Generation 4.0 setzt neue Maßstäbe beim
Gewinden.

E Machine taps
Speedtap 4.0–Uni/Inox,
straight fluted, for metric
ISO-fine threads DIN 13

Range of application:
Tap made of powder steel for through hole
threads. Especially suitable for stainless Cr-Ni
steels, non-alloyed and alloyed steels ≤ 1300
 N/mm^2 . The generation 4.0 sets new standards
in threading.

I Maschi a macchina
Speedtap 4.0–Uni/Inox,
scanalature diritte, per filettatura
metrica ISO fine, DIN 13

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per acciai inossidabili
Cr-Ni, acciai legati e non legati $\leq 1300 \text{ N/mm}^2$. La nuova
generazione 4.0 stabilisce nuovi standard per realizzare
maschiature.



Uni Inox

NEW



HARDOUR

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4609 Art.-Nr.
MF 8	1	90	22	6	4,9	3	Ø 7	0 4609022001 00
MF 10	1	90	20	7	5,5	3	Ø 9	0 4609024001 00
MF 10	1,25	100	24	7	5,5	3	Ø 8,80	0 4609037001 00
MF 12	1	100	22	9	7	3	Ø 11	0 4609026001 00
MF 12	1,25	100	22	9	7	3	Ø 10,80	0 4609038001 00
MF 12	1,5	100	22	9	7	3	Ø 10,5	0 4609040001 00
MF 14	1,5	100	22	11	9	4	Ø 12,5	0 4609041001 00
MF 16	1,5	100	22	12	9	4	Ø 14,5	0 4609043001 00
MF 18	1,5	110	25	14	11	4	Ø 16,5	0 4609044001 00
MF 20	1,5	125	25	16	12	4	Ø 18,5	0 4609045001 00

D Maschinengewindebohrer
Speedtap 4.0–Uni/Inox,
spiral-genutet, für metrisches
ISO-Feingewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl $\leq 1300 \text{ N/mm}^2$.
Die Generation 4.0 setzt neue Maßstäbe beim
Gewinden.

E Machine taps
Speedtap 4.0–Uni/Inox,
spiral fluted, for metric
ISO-fine threads DIN 13

Range of application:

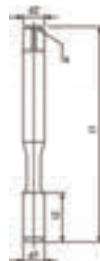
Tap made of powder steel for blind hole threads.
Especially suitable for stainless Cr-Ni steels,
non-alloyed and alloyed steels $\leq 1300 \text{ N/mm}^2$.
The generation 4.0 sets new standards in
threading.

I Maschi a macchina
Speedtap 4.0–Uni/Inox,
scanalature elicoidali, per
filettatura metrica ISO fine, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai inossidabili
Cr-Ni, acciai legati e non legati $\leq 1300 \text{ N/mm}^2$. La
nuova generazione 4.0 stabilisce nuovi standard per
realizzare maschiature.

Speedtap 4.0



Uni Inox

NEW



HARDOUR

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4619 Art.-Nr.
MF 8	1	90	10	6	4,9	3	Ø 7	Ø 4619022001 00
MF 10	1	90	12	7	5,5	4	Ø 9	Ø 4619024001 00
MF 10	1,25	100	12	7	5,5	4	Ø 8,80	Ø 4619037001 00
MF 12	1	100	14	9	7	4	Ø 11	Ø 4619026001 00
MF 12	1,25	100	14	9	7	4	Ø 10,80	Ø 4619038001 00
MF 12	1,5	100	14	9	7	4	Ø 10,5	Ø 4619040001 00
MF 14	1,5	100	16	11	9	4	Ø 12,5	Ø 4619041001 00
MF 16	1,5	100	16	12	9	5	Ø 14,5	Ø 4619043001 00
MF 18	1,5	110	20	14	11	5	Ø 16,5	Ø 4619044001 00
MF 20	1,5	125	20	16	12	5	Ø 18,5	Ø 4619045001 00

D Maschinengewindebohrer
Speedtap 4.0-Ultra Hard
Steel 53 HRC,
gerade genutet, für metrisches
ISO-Feingewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Durchgangs- und Grundgewinde. Besonders geeignet für zähe und schwer zerspanbare Werkstoffe ≤53HRC. Die Generation 4.0 setzt neue Maßstäbe beim Gewinden.

E Machine taps
Speedtap 4.0-Ultra Hard
steel 53 HRC,
straight fluted, for metric
ISO-fine threads DIN 13

Range of application:

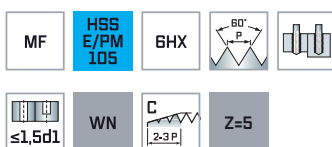
Tap made of powder steel for through hole threads and blind hole threads. Especially suitable for tough and difficult to machine materials ≤53HRC. The generation 4.0 sets new standards in threading.

I Maschi a macchina
Speedtap 4.0-Ultra Hard
steel 53 HRC,
scanalature diritte, per filettatura
metrica ISO fine, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori passanti e fori ciechi. Particolarmente adatti per materiali duri e tenaci difficili da lavorare ≤53HRC. La nuova generazione 4.0 stabilisce nuovi.

Speedtap 4.0



HRC

NEW

TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4617 Art.-Nr.
MF 8	0,75	70	22	6	4,9	5	Ø 7,4	0 4617080751 00
MF 8	1	70	22	6	4,9	5	Ø 7,4	0 4617081001 00
MF 10	1	75	24	7	5,5	5	Ø 9,1	0 4617101001 00
MF 12	1,5	82	29	9	7	5	Ø 10,6	0 4617121501 00
MF 14	1,5	88	30	11	9	5	Ø 12,6	0 4617141501 00
MF 16	1,5	95	32	12	9	5	Ø 14,6	0 4617161501 00

Schneidöl / Cutting oil / Olio da taglio

Menge/Quantity/Quantità ml	Code 4601 Art.-Nr.
50	0 4601000011 00
125	0 4601000021 00
500	0 4601000031 00

D Maschinengewindebohrer
Speedtap 4.0–Ultra Hard
Steel 63 HRC,
 gerade genutet, für metrisches
 ISO-Feingewinde DIN 13

Einsatzbereich:

VHM Gewindebohrer für Durchgangs- und Grundgewinde. Besonders geeignet für zähe und schwer zerspanbare Werkstoffe sowie Hartbearbeitung ≤63HRC. Die Generation 4.0 setzt neue Maßstäbe beim Gewinden.

E Machine taps
Speedtap 4.0–Ultra Hard
steel 63 HRC,
 straight fluted, for metric
 ISO-fine threads DIN 13

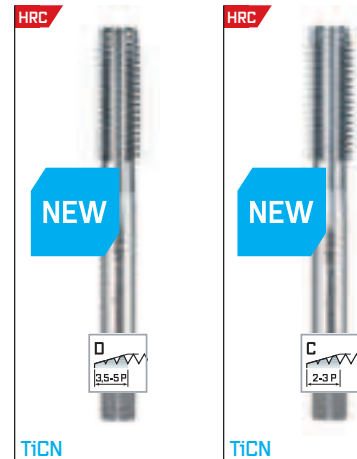
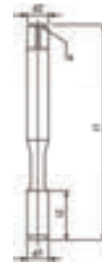
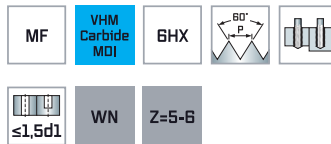
Range of application:

Solid carbide tap for through hole threads and blind hole threads. Especially suitable for tough and difficult to machine materials as well as hard machining ≤63HRC. The generation 4.0 sets new standards in threading.

I Maschi a macchina
Speedtap 4.0–Ultra Hard
steel 63 HRC,
 scanalature diritte, per filettatura
 metrica ISO fine, DIN 13

Impiego:

Maschi in metallo duro per fori passanti e fori ciechi. Particolarmente adatti per materiali duri e tenaci difficili da lavorare oltre che per materiali temprati ≤63HRC. La nuova generazione 4.0 stabilisce nuovi standard per realizzare maschiature.



TiCN

TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4645 Art.-Nr.	Code 4655 Art.-Nr.
MF 8	1	70	22	6	4,9	5	Ø 7,1	0 4645081001 00	0 4655081001 00
MF 10	1	75	24	7	5,5	5	Ø 9,1	0 4645101001 00	0 4655101001 00
MF 12	1	82	29	9	7	5	Ø 11,1	0 4645121001 00	0 4655121001 00
MF 12	1,5	82	29	9	7	5	Ø 10,6	0 4645121501 00	0 4655121501 00
MF 14	1,5	88	30	11	9	6	Ø 12,6	0 4645141501 00	0 4655141501 00
MF 16	1,5	95	32	12	9	6	Ø 14,6	0 4645161501 00	0 4655161501 00
MF 20	1,5	105	37	16	12	6	Ø 18,6	0 4645201501 00	0 4655201501 00

Schneidöl / Cutting oil / Olio da taglio

Menge/Quantity/Quantità ml	Code 4601 Art.-Nr.
50	0 4601000011 00
125	0 4601000021 00
500	0 4601000031 00

D Maschinengewindebohrer
Speedtap 4.0–Uni/Inox,
gerade genutet, für Whitworth-
Rohrgewinde DIN ISO 228

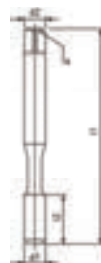
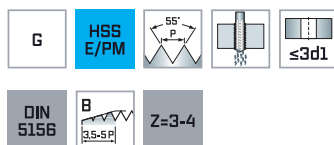
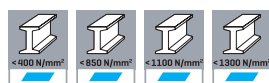
Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl $\leq 1300 \text{ N/mm}^2$.
Die Generation 4.0 setzt neue Maßstäbe beim
Gewinden.

E Machine taps
Speedtap 4.0–Uni/Inox,
straight fluted, for whitworth
pipe threads DIN ISO 228

Range of application:
Tap made of powder steel for through hole
threads. Especially suitable for stainless Cr-Ni
steels, non-alloyed and alloyed steels ≤ 1300
 N/mm^2 . The generation 4.0 sets new standards
in threading.

I Maschi a macchina
Speedtap 4.0–Uni/Inox,
scanalature diritte, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per acciai inossidabili
Cr-Ni, acciai legati e non legati $\leq 1300 \text{ N/mm}^2$. La
nuova generazione 4.0 stabilisce nuovi standard per
realizzare maschiature.



HARDOUR

d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4772 Art.-Nr.
G 1/8"	28	90	20	7	5,5	3	Ø 8,8	0 4772016001 00
G 1/4"	19	100	21	11	9	3	Ø 11,8	0 4772020001 00
G 3/8"	19	100	22	12	9	3	Ø 15,25	0 4772024001 00
G 1/2"	14	125	24	16	12	3	Ø 19	0 4772028001 00
G 5/8"	14	125	25	18	14,5	4	Ø 21	0 4772032001 00
G 3/4"	14	140	26	20	16	4	Ø 24,5	0 4772034001 00
G 1"	11	160	30	25	20	4	Ø 30,75	0 4772038001 00

D Maschinengewindebohrer
Speedtap 4.0–Uni/Inox,
spiral-genutet, für Whitworth-
Rohrgewinde DIN ISO 228

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl $\leq 1300 \text{ N/mm}^2$.
Die Generation 4.0 setzt neue Maßstäbe beim
Gewinden.

E Machine taps
Speedtap 4.0–Uni/Inox,
spiral fluted, for whitworth
pipe threads DIN ISO 228

Range of application:

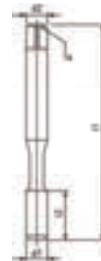
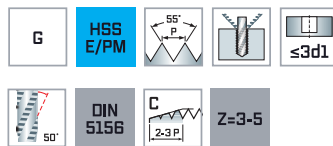
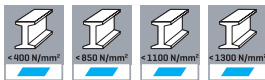
Tap made of powder steel for blind hole threads.
Especially suitable for stainless Cr-Ni steels,
non-alloyed and alloyed steels $\leq 1300 \text{ N/mm}^2$.
The generation 4.0 sets new standards in
threading.

I Maschi a macchina
Speedtap 4.0–Uni/Inox,
scanalature elicoidali, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai inossidabili
Cr-Ni, acciai legati e non legati $\leq 1300 \text{ N/mm}^2$. La
nuova generazione 4.0 stabilisce nuovi standard per
realizzare maschiature.

Speedtap 4.0

**HARDOUR**

d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4782 Art.-Nr.
G 1/8"	28	90	12	7	5,5	3	Ø 8,8	0 4782016001 00
G 1/4"	19	100	15	11	9	4	Ø 11,8	0 4782020001 00
G 3/8"	19	100	15	12	9	4	Ø 15,25	0 4782024001 00
G 1/2"	14	125	18	16	12	4	Ø 19	0 4782028001 00
G 5/8"	14	125	18	18	14,5	4	Ø 21	0 4782032001 00
G 3/4"	14	140	20	20	16	5	Ø 24,5	0 4782034001 00
G 1"	11	160	22	25	20	5	Ø 30,75	0 4782038001 00

D Maschinengewindebohrer
Speedtap 4.0–Ultra Hard
Steel 53 HRC,
gerade genutet, für Whitworth-
Rohrgewinde DIN ISO 228

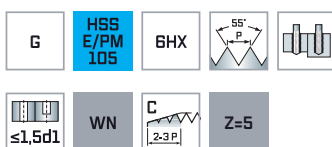
Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangs- und
Grundgewinde. Besonders geeignet für zähe
und schwer zerspanbare Werkstoffe ≤53HRC.
Die Generation 4.0 setzt neue Maßstäbe beim
Gewinden.

E Machine taps
Speedtap 4.0–Ultra Hard
steel 53 HRC,
straight fluted, for whitworth
pipe threads DIN ISO 228

Range of application:
Tap made of powder steel for through hole
threads and blind hole threads. Especially suit-
able for tough and difficult to machine materials
≤53HRC. The generation 4.0 sets new standards
in threading.

I Maschi a macchina
Speedtap 4.0–Ultra Hard
steel 53 HRC,
scanalature diritte, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti e fori ciechi. Particolarmente adatti per
materiali duri e tenaci difficili da lavorare ≤53HRC.
La nuova generazione 4.0 stabilisce nuovi standard
per realizzare maschiature.



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4617 Art.-Nr.
G 1/8"	28	63	18	7	5,5	5	Ø 8,8	Ø 4617317001 00
G 1/4"	19	70	20	11	9	5	Ø 11,9	Ø 4617635001 00
G 3/8"	19	70	22	12	9	5	Ø 15,4	Ø 4617952001 00

Schneidöl / Cutting oil / Olio da taglio

Menge/Quantity/Quantità ml	Code 4601 Art.-Nr.
50	Ø 4601000011 00
125	Ø 4601000021 00
500	Ø 4601000031 00

**D Maschinengewindebohrer
Speedtap 4.0–Ultra Hard
Steel 63 HRC,**
gerade genutet, für Whitworth-
Rohrgewinde DIN ISO 228

Einsatzbereich:

VHM Gewindebohrer für Durchgangs- und Grundgewinde. Besonders geeignet für zähe und schwer zerspanbare Werkstoffe sowie Hartbearbeitung ≤63HRC. Die Generation 4.0 setzt neue Maßstäbe beim Gewinden.

**E Machine taps
Speedtap 4.0–Ultra Hard
steel 63 HRC,**
straight fluted, for whitworth
pipe threads DIN ISO 228

Range of application:

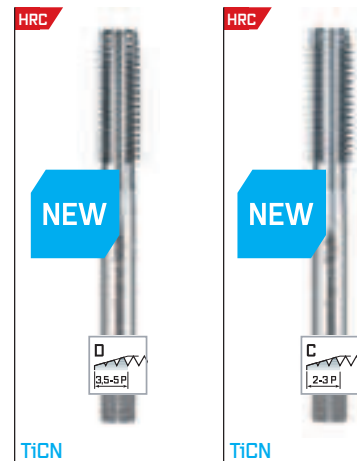
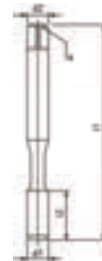
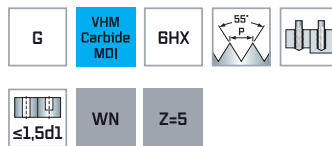
Solid carbide tap for through hole threads and blind hole threads. Especially suitable for tough and difficult to machine materials as well as hard machining ≤63HRC. The generation 4.0 sets new standards in threading.

**I Maschi a macchina
Speedtap 4.0–Ultra Hard
steel 63 HRC,**
scanalature diritte, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:

Maschi in metallo duro per fori passanti e fori ciechi. Particolarmente adatti per materiali duri e tenaci difficili da lavorare oltre che per materiali temprati ≤63HRC. La nuova generazione 4.0 stabilisce nuovi standard per realizzare maschiature.

Speedtap 4.0



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		
G 1/8"	28	63	18	7	5,5	5	Ø 8,9	
G 1/4"	19	70	20	11	9	5	Ø 11,9	

Schneidöl / Cutting oil / Olio da taglio

Menge/Quantity/Quantità ml	Code 4601 Art.-Nr.
50	Ø 4601000011 00
125	Ø 4601000021 00
500	Ø 4601000031 00

D Maschinengewindebohrer
Speedtap-Universal,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierten und legierten
Stahl ≤850 N/mm².

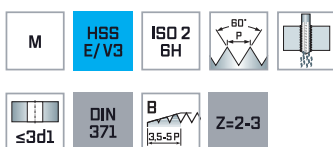
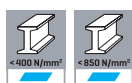
E Machine taps
Speedtap-Universal,
straight fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for through hole threads.
Especially suitable for non-alloyed and alloyed
steels ≤850 N/mm².

I Maschi a macchina
Speedtap-Universal,
scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE per
fori passanti. Particolarmente adatti per acciai legati
e non legati ≤850 N/mm².

Speedtap



TiN

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 h9 mm	a h12 mm	Z		Code 4621 Art.-Nr.	Code 4641 Art.-Nr.
M 1,4[*]	0,3	40	7	-	2,5	2,1	2	Ø 1,1	0 4621001401 00	
M 1,6	0,35	40	8	-	2,5	2,1	2	Ø 1,25	0 4621001601 00	
M 1,7	0,35	40	8	-	2,5	2,1	2	Ø 1,3	0 4621001701 00	
M 1,8	0,35	40	8	-	2,5	2,1	2	Ø 1,45	0 4621001801 00	
M 2	0,4	45	8	-	2,8	2,1	2	Ø 1,6	0 4621002001 00	
M 2,3	0,4	45	9	-	2,8	2,1	2	Ø 1,9	0 4621002301 00	
M 2,5	0,45	50	9	-	2,8	2,1	2	Ø 2,05	0 4621002501 00	
M 2,6	0,45	50	9	-	2,8	2,1	2	Ø 2,1	0 4621002601 00	
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5	0 4621003001 00	0 4641003001 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4621004001 00	0 4641004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4621005001 00	0 4641005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4621006001 00	0 4641006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4621008001 00	0 4641008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4621010001 00	0 4641010001 00
M 12	1,75	110	28	45	12	9	3	Ø 10,2	0 4621012001 00	

(*) M 1,4 = ISO 1 5H

D Maschinengewindebohrer
Speedtap-Universal,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierten und legierten
Stahl ≤850 N/mm².

E Machine taps
Speedtap-Universal,
straight fluted, for metric
ISO-threads DIN 13

Range of application:

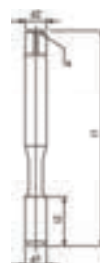
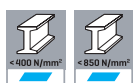
HSS Cobalt tap for through hole threads.
Especially suitable for non-alloyed and alloyed
steels ≤850 N/mm².

I Maschi a macchina
Speedtap-Universal,
scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per
fori passanti. Particolarmente adatti per acciai legati
e non legati ≤850 N/mm².

Speedtap



TiN

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4631 Art.-Nr.	Code 4651 Art.-Nr.
M 2	0,4	45	8	1,4	-	2	Ø 1,6	0 4631002001 00	
M 2,5	0,45	50	9	1,8	-	2	Ø 2,05	0 4631002501 00	
M 3	0,5	56	11	2,2	-	3	Ø 2,5	0 4631003001 00	0 4651003001 00
M 4	0,7	63	13	2,8	2,1	3	Ø 3,3	0 4631004001 00	0 4651004001 00
M 5	0,8	70	16	3,5	2,7	3	Ø 4,2	0 4631005001 00	0 4651005001 00
M 6	1	80	19	4,5	3,4	3	Ø 5	0 4631006001 00	0 4651006001 00
M 8	1,25	90	22	6	4,9	3	Ø 6,8	0 4631008001 00	0 4651008001 00
M 10	1,5	100	24	7	5,5	3	Ø 8,5	0 4631010001 00	0 4651010001 00
M 12	1,75	110	28	9	7	3	Ø 10,2	0 4631012001 00	0 4651012001 00
M 14	2	110	30	11	9	3	Ø 12	0 4631014001 00	0 4651014001 00
M 16	2	110	32	12	9	3	Ø 14	0 4631016001 00	0 4651016001 00
M 18	2,5	125	34	14	11	3	Ø 15,5	0 4631018001 00	0 4651018001 00
M 20	2,5	140	34	16	12	3	Ø 17,5	0 4631020001 00	0 4651020001 00
M 22	2,5	140	34	18	14,5	3	Ø 19,5	0 4631022001 00	0 4651022001 00
M 24	3	160	38	18	14,5	3	Ø 21	0 4631024001 00	0 4651024001 00
M 27	3	160	38	20	16	4	Ø 24	0 4631027001 00	0 4651027001 00
M 30	3,5	180	45	22	18	4	Ø 26,5	0 4631030001 00	0 4651030001 00
M 33	3,5	180	50	25	20	4	Ø 29,5	0 4631033001 00	0 4651033001 00
M 36	4	200	56	28	22	4	Ø 32	0 4631036001 00	0 4651036001 00
M 39	4	200	60	32	24	4	Ø 35	0 4631039001 00	
M 42	4,5	200	60	32	24	4	Ø 37,5	0 4631042001 00	
M 45	4,5	220	65	36	29	4	Ø 40,5	0 4631045001 00	
M 48	5	250	70	36	29	4	Ø 43	0 4631048001 00	
M 52	5	250	70	40	32	4	Ø 47	0 4631052001 00	

D Maschinengewindebohrer
Speedtap-Uni/Inox,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle ≤1300 N/mm².

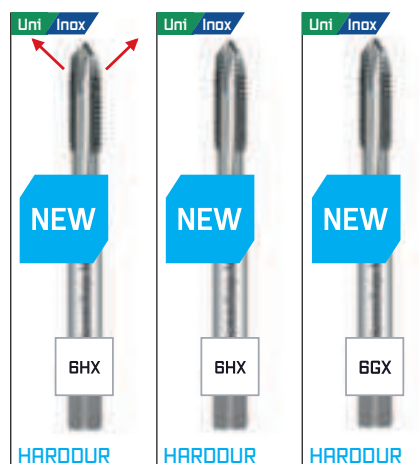
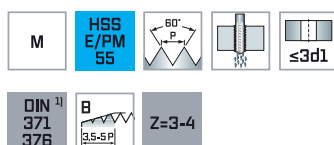
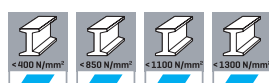
E Machine taps
Speedtap-Uni/Inox,
straight fluted, for metric
ISO-threads DIN 13

Range of application:
Tap made of powder steel for through hole
threads. Especially suitable for non-alloyed
and alloyed steels and for stainless Cr-Ni-
steels ≤1300 N/mm².

I Maschi a macchina
Speedtap-Uni/Inox,
scanalature dritte, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per acciai legati
e non legati e per acciai inossidabili Cr-Ni ≤1300
N/mm².

Speedtap



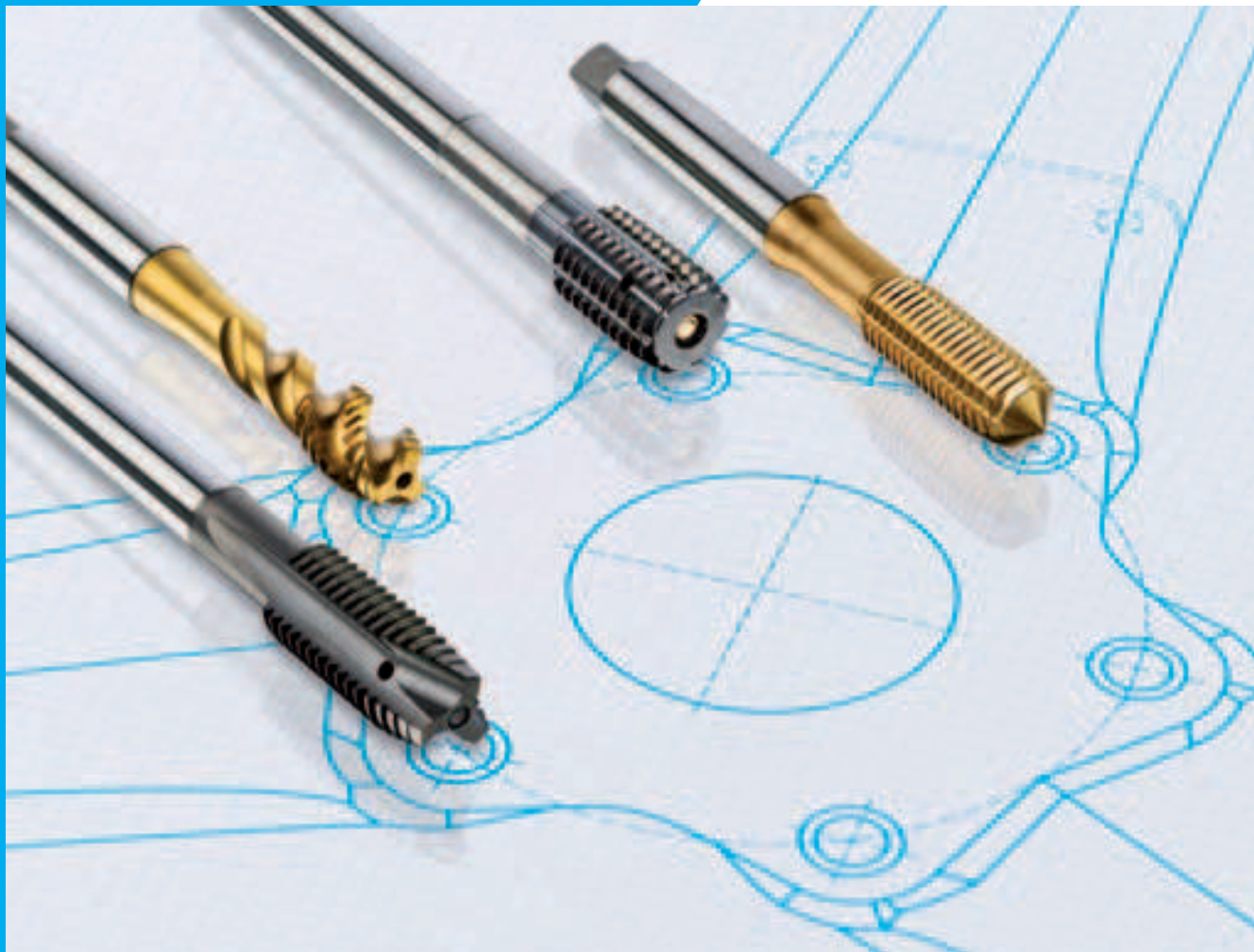
d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4625/4635 Art.-Nr.	Code 4605/4615 Art.-Nr.	Code 4629/4639 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	3	Ø 1,6		0 4605002001 00	
M 2,5	0,45	50	9	–	2,8	2,1	3	Ø 2,05		0 4605002501 00	
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5		0 4605003001 00	0 4629003001 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3		0 4605004001 00	0 4629004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2		0 4605005001 00	0 4629005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4625006001 00	0 4605006001 00	0 4629006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4625008001 00	0 4605008001 00	0 4629008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4625010001 00	0 4605010001 00	0 4629010001 00
M 12	1,75	110	28	–	9	7	3	Ø 10,2	0 4635012001 00	0 4615012001 00	0 4639012001 00
M 14	2	110	30	–	11	9	3	Ø 12		0 4615014001 00	
M 16	2	110	32	–	12	9	3	Ø 14	0 4635016001 00	0 4615016001 00	0 4639016001 00
M 20	2,5	140	34	–	16	12	3	Ø 17,5		0 4615020001 00	0 4639020001 00
M 20	2,5	140	34	–	16	12	4	Ø 17,5	0 4635020001 00		
M 24	3	160	38	–	18	14,5	3	Ø 21		0 4615024001 00	
M 27	3	160	38	–	20	16	4	Ø 24		0 4615027001 00	
M 30	3,5	180	45	–	22	18	4	Ø 26,5		0 4615030001 00	

⁽¹⁾ DIN 371 ≤ M 10
DIN 376 ≥ M 12

Speedtap 4.0

maykestag

PERFORMANCE
IN PRECISION



Create new opportunities.

High performance threading tools for the highest standards of process security and tool life

Speedtap 4.0 sets new standards:

- Increased productivity and profitability
- Shorter processing times due to higher cutting speeds
- Excellent wear resistance and flexural security
- Perfect chip formation and constant chip removal, no chip accumulation

More Information



D Maschinengewindebohrer
Speedtap-Universal,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierten und
legierten Stahl ≤850 N/mm².

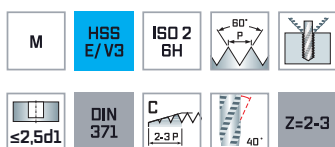
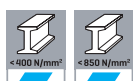
E Machine taps
Speedtap-Universal,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels ≤850
N/mm².

I Maschi a macchina
Speedtap-Universal,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido HSSE per fori ciechi.
Particolarmente adatti per acciai legati e non legati
≤850 N/mm².

Speedtap



VAPD

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4661 Art.-Nr.	Code 4601 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	2	Ø 1,6	0 4661002001 00	
M 2,3	0,4	45	9	–	2,8	2,1	2	Ø 1,9	0 4661002301 00	
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4661002501 00	
M 2,6	0,45	50	9	–	2,8	2,1	2	Ø 2,1	0 4661002601 00	
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4661003001 00	0 4601003001 00
M 3,5	0,6	56	6	20	4	3	3	Ø 2,9	0 4661003501 00	
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4661004001 00	0 4601004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4661005001 00	0 4601005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4661006001 00	0 4601006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4661008001 00	0 4601008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4661010001 00	0 4601010001 00
M 12	1,75	110	18	45	12	9	3	Ø 10,2	0 4661012001 00	

D Maschinengewindebohrer
Speedtap-Universal,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierten und
legierten Stahl ≤850 N/mm².

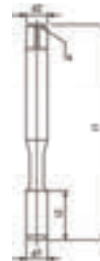
E Machine taps
Speedtap-Universal,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels ≤850
N/mm².

I Maschi a macchina
Speedtap-Universal,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE per
fori ciechi. Particolarmente adatti per acciai legati e
non legati ≤850 N/mm².

Speedtap



VAPD

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4671 Art.-Nr.	Code 4611 Art.-Nr.
M 3	0,5	56	5	2,2	0	3	Ø 2,5	0 4671003001 00	0 4611003001 00
M 4	0,7	63	7	2,8	2,1	3	Ø 3,3	0 4671004001 00	0 4611004001 00
M 5	0,8	70	8	3,5	2,7	3	Ø 4,2	0 4671005001 00	0 4611005001 00
M 6	1	80	10	4,5	3,4	3	Ø 5	0 4671006001 00	0 4611006001 00
M 8	1,25	90	13	6	4,9	3	Ø 6,8	0 4671008001 00	0 4611008001 00
M 10	1,5	100	15	7	5,5	3	Ø 8,5	0 4671010001 00	0 4611010001 00
M 12	1,75	110	18	9	7	3	Ø 10,2	0 4671012001 00	0 4611012001 00
M 14	2	110	20	11	9	3	Ø 12	0 4671014001 00	0 4611014001 00
M 16	2	110	20	12	9	3	Ø 14	0 4671016001 00	0 4611016001 00
M 18	2,5	125	25	14	11	4	Ø 15,5	0 4671018001 00	0 4611018001 00
M 20	2,5	140	25	16	12	4	Ø 17,5	0 4671020001 00	0 4611020001 00
M 22	2,5	140	25	18	14,5	4	Ø 19,5	0 4671022001 00	0 4611022001 00
M 24	3	160	30	18	14,5	4	Ø 21	0 4671024001 00	0 4611024001 00
M 27	3	160	30	20	16	4	Ø 24	0 4671027001 00	0 4611027001 00
M 30	3,5	180	35	22	18	4	Ø 26,5	0 4671030001 00	0 4611030001 00
M 33	3,5	180	35	25	20	4	Ø 29,5	0 4671033001 00	0 4611033001 00
M 36	4	200	40	28	22	4	Ø 32	0 4671036001 00	0 4611036001 00

D Maschinengewindebohrer
Speedtap-Universal,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierten und
legierten Stahl ≤850 N/mm².

E Machine taps
Speedtap-Universal,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels ≤850
N/mm².

I Maschi a macchina
Speedtap-Universal,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE per
fori ciechi. Particolarmente adatti per acciai legati e
non legati ≤850 N/mm.

Speedtap



Uni

NEW

TiN

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4681 Art.-Nr.
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4681003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4681004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4681005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4681006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4681008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4681010001 00

D Maschinengewindebohrer
Speedtap-Universal,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierten und
legierten Stahl ≤850 N/mm².

E Machine taps
Speedtap-Universal,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:

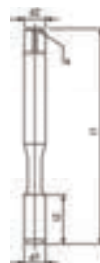
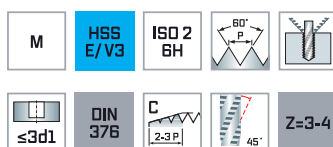
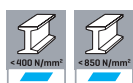
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels ≤850
N/mm².

I Maschi a macchina
Speedtap-Universal,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per
fori ciechi. Particolarmente adatti per acciai legati e
non legati ≤850 N/mm.

Speedtap



Uni

NEW



TiN

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4691 Art.-Nr.
M 3	0,5	56	5	2,2	–	3	Ø 2,5	0 4691003001 00
M 4	0,7	63	7	2,8	2,1	3	Ø 3,3	0 4691004001 00
M 5	0,8	70	8	3,5	2,7	3	Ø 4,2	0 4691005001 00
M 6	1	80	10	4,5	3,4	3	Ø 5	0 4691006001 00
M 8	1,25	90	13	6	4,9	3	Ø 6,8	0 4691008001 00
M 10	1,5	100	15	7	5,5	3	Ø 8,5	0 4691010001 00
M 12	1,75	110	18	9	7	3	Ø 10,2	0 4691012001 00
M 14	2	110	20	11	9	3	Ø 12	0 4691014001 00
M 16	2	110	20	12	9	3	Ø 14	0 4691016001 00
M 18	2,5	125	25	14	11	4	Ø 15,5	0 4691018001 00
M 20	2,5	140	25	16	12	4	Ø 17,5	0 4691020001 00
M 22	2,5	140	25	18	14,5	4	Ø 19,5	0 4691022001 00
M 24	3	160	30	18	14,5	4	Ø 21	0 4691024001 00

D Maschinengewindebohrer
Speedtap-Universal,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

E Machine taps
Speedtap-Universal,
spiral fluted, for metric
ISO-threads DIN 13

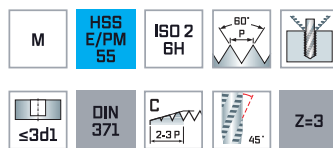
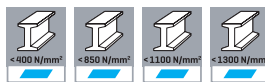
I Maschi a macchina
Speedtap-Universal,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte Stähle
≤1300 N/mm².

Range of application:
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels ≤1300 N/mm².

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori ciechi.
Particolarmente adatti per acciai legati e non legati
≤1300 N/mm².

Speedtap



Uni

NEW



TWINOUR

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 h9 mm	a h12 mm	Z		Code 4666 Art.-Nr.
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4666003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4666004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4666005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4666006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4666008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4666010001 00

D Maschinengewindebohrer Speedtap-Uni/Inox, spiral-genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1300 \text{ N/mm}^2$.

E Machine taps Speedtap-Uni/Inox, spiral fluted, for metric ISO-threads DIN 13

Range of application:

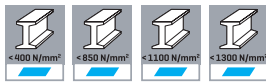
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1300 \text{ N/mm}^2$.

I Maschi a macchina Speedtap-Uni/Inox, scanalature elicoidali, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1300 \text{ N/mm}^2$.

Speedtap



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	ø h12 mm	Z		Code 4685/4695 Art.-Nr.	Code 4665/4675 Art.-Nr.
M 2	0,4	45	8	-	2,8	2,1	3	Ø 1,6		0 4665002001 00
M 2,5	0,45	50	9	-	2,8	2,1	3	Ø 2,05		0 4665002501 00
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5		0 4665003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3		0 4665004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2		0 4665005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4685006001 00	0 4665006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4685008001 00	0 4665008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4685010001 00	0 4665010001 00
M 12	1,75	110	18	-	9	7	4	Ø 10,2	0 4695012001 00	0 4675012001 00
M 14	2	110	20	-	11	9	4	Ø 12		0 4675014001 00
M 16	2	110	20	-	12	9	4	Ø 14	0 4695016001 00	0 4675016001 00
M 20	2,5	140	25	-	16	12	4	Ø 17,5	0 4695020001 00	0 4675020001 00
M 24	3	160	30	-	18	14,5	4	Ø 21		0 4675024001 00
M 27	3	160	30	-	20	16	4	Ø 24		0 4675027001 00
M 30	3,5	180	35	-	22	18	4	Ø 26,5		0 4675030001 00

⁽¹⁾ DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer
Speedtap-Uni/Inox,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

E Machine taps
Speedtap-Uni/Inox,
spiral fluted, for metric
ISO-threads DIN 13

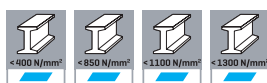
I Maschi a macchina
Speedtap-Uni/Inox,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1300 \text{ N/mm}^2$.

Range of application:
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1300 \text{ N/mm}^2$.

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1300 \text{ N/mm}^2$.

Speedtap



Uni Inox

NEW



HARDOUR

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 h9 mm	a h12 mm	Z		Code 4606/4616 Art.-Nr.
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4606003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4606004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4606005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4606006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4606008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4606010001 00
M 12	1,75	110	18	-	9	7	4	Ø 10,2	0 4616012001 00
M 16	2	110	20	-	12	9	4	Ø 14	0 4616016001 00
M 20	2,5	140	25	-	16	12	4	Ø 17,5	0 4616020001 00

⁽¹⁾ DIN 371 $\leq$ M 10
DIN 376 $\geq$ M 12

D Maschinengewindebohrer Speedtap-Uni/Inox, spiral-genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1300 \text{ N/mm}^2$.

E Machine taps Speedtap-Uni/Inox, spiral fluted, for metric ISO-threads DIN 13

Range of application:

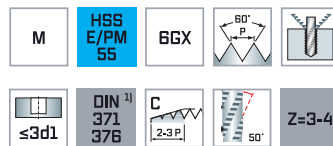
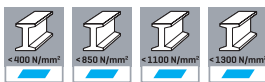
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1300 \text{ N/mm}^2$.

I Maschi a macchina Speedtap-Uni/Inox, scanalature elicoidali, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1300 \text{ N/mm}^2$.

Speedtap



Uni Inox

NEW

HARDOUR



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4626/4636 Art.-Nr.
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4626003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4626004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4626005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4626006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4626008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4626010001 00
M 12	1,75	110	18	-	9	7	4	Ø 10,2	0 4636012001 00
M 16	2	110	20	-	12	9	4	Ø 14	0 4636016001 00
M 20	2,5	140	25	-	16	12	4	Ø 17,5	0 4636020001 00

⁽¹⁾ DIN 371 $\leq$ M 10
DIN 376 $\geq$ M 12

D Maschinengewindebohrer
Speedtap-Inox,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle ≤1200 N/mm².

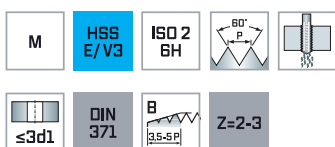
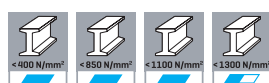
E Machine taps
Speedtap-Inox,
straight fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for through hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels ≤1200 N/mm².

I Maschi a macchina
Speedtap-Inox,
scanalature dritte, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE per fori
passanti. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni ≤1200 N/mm².

Speedtap



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4602 Art.-Nr.	Code 4622 Art.-Nr.	Code 4642 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	2	Ø 1,6	0 4602002001 00		
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4602002501 00		
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5	0 4602003001 00	0 4622003001 00	0 4642003001 00
M 3,5	0,6	56	12	20	4	3	3	Ø 2,9	0 4602003501 00		
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4602004001 00	0 4622004001 00	0 4642004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4602005001 00	0 4622005001 00	0 4642005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4602006001 00	0 4622006001 00	0 4642006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4602008001 00	0 4622008001 00	0 4642008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4602010001 00	0 4622010001 00	0 4642010001 00
M 12	1,75	110	28	45	12	9	3	Ø 10,2	0 4602012001 00		

(*) Gültig für Code 4622 + 4642 / Valid for Code 4622 + 4642 / Valido per il codice 4622 + 4642

D Maschinengewindebohrer Speedtap-Inox, gerade genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

E Machine taps Speedtap-Inox, straight fluted, for metric ISO-threads DIN 13

Range of application:

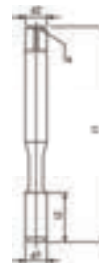
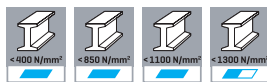
HSS Cobalt tap for through hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

I Maschi a macchina Speedtap-Inox, scanalature dritte, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
passanti. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



d1 mm	P mm	l1 mm	l2 mm	d2 h9 mm	a h12 mm	Z			Code 4612 Art.-Nr.	Code 4632 Art.-Nr.	Code 4652 Art.-Nr.
M 3	0,5	56	11	2,2	0	3	0	2,5	0 4612003001 00		
M 4	0,7	63	13	2,8	2,1	3	0	3,3	0 4612004001 00	0 4632004001 00	
M 5	0,8	70	16	3,5	2,7	3	0	4,2	0 4612005001 00	0 4632005001 00	
M 6	1	80	19	4,5	3,4	3	0	5	0 4612006001 00	0 4632006001 00	
M 8	1,25	90	22	6	4,9	3	0	6,8	0 4612008001 00	0 4632008001 00	
M 10	1,5	100	24	7	5,5	3	0	8,5	0 4612010001 00	0 4632010001 00	
M 12	1,75	110	28	9	7	3	0	10,2	0 4612012001 00	0 4632012001 00	0 4652012001 00
M 14	2	110	30	11	9	3	0	12	0 4612014001 00	0 4632014001 00	
M 16	2	110	32	12	9	3	0	14	0 4612016001 00	0 4632016001 00	0 4652016001 00
M 18	2,5	125	34	14	11	3	0	15,5	0 4612018001 00		
M 20	2,5	140	34	16	12	3	0	17,5	0 4612020001 00	0 4632020001 00	0 4652020001 00
M 22	2,5	140	34	18	14,5	3	0	19,5	0 4612022001 00	0 4632022001 00	0 4652022001 00
M 24	3	160	38	18	14,5	3	0	21	0 4612024001 00	0 4632024001 00	0 4652024001 00
M 27	3	160	38	20	16	4	0	24	0 4612027001 00		0 4652027001 00
M 30	3,5	180	45	22	18	4	0	26,5	0 4612030001 00	0 4632030001 00	0 4652030001 00
M 33	3,5	180	50	25	20	4	0	29,5	0 4612033001 00		0 4652033001 00
M 36	4	200	56	28	22	4	0	32	0 4612036001 00		0 4652036001 00

(*) Gültig für Code 4632 + 4652 / Valid for Code 4632 + 4652 / Valido per il codice 4632 + 4652

D Maschinengewindebohrer
Speedtap-Inox,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

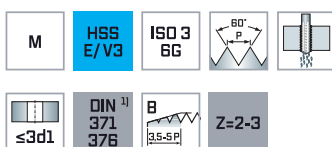
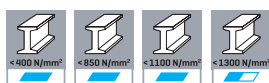
E Machine taps
Speedtap-Inox,
straight fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for through hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

I Maschi a macchina
Speedtap-Inox,
scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE per fori
passanti. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



Inox

NEW



VRPO

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 h9 mm	a h12 mm	Z		Code 4662/4672 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	2	Ø 1,6	0 4662002001 00
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4662002501 00
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5	0 4662003001 00
M 3,5	0,6	56	12	20	4	3	3	Ø 2,9	0 4662003501 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4662004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4662005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4662006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4662008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4662010001 00
M 12	1,75	110	28	–	9	7	3	Ø 10,2	0 4672012001 00
M 14	2	110	30	–	11	9	3	Ø 12	0 4672014001 00
M 16	2	110	32	–	12	9	3	Ø 14	0 4672016001 00
M 18	2,5	125	34	–	14	11	3	Ø 15,5	0 4672018001 00
M 20	2,5	140	34	–	16	12	3	Ø 17,5	0 4672020001 00

⁽¹⁾ DIN 371 $\leq$ M 10
DIN 376 $\geq$ M 12

D Maschinengewindebohrer Speedtap-Uni/Inox, gerade genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1300 \text{ N/mm}^2$.

E Machine taps Speedtap-Uni/Inox, straight fluted, for metric ISO-threads DIN 13

Range of application:

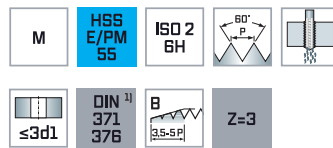
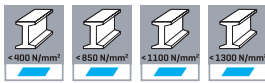
Tap made of powder steel for through hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1300 \text{ N/mm}^2$.

I Maschi a macchina Speedtap-Uni/Inox, scanalature diritte, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori pas-
santi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1300 \text{ N/mm}^2$.

Speedtap



Uni Inox

NEW



TiCN

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4686/4696 Art.-Nr.
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5	0 4686003001 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4686004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4686005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4686006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4686008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4686010001 00
M 12	1,75	110	28	-	9	7	3	Ø 10,2	0 4696012001 00
M 16	2	110	32	-	12	9	3	Ø 14	0 4696016001 00
M 20	2,5	140	34	-	16	12	3	Ø 17,5	0 4696020001 00

⁽¹⁾ DIN 371 $\leq$ M 10
DIN 376 $\geq$ M 12

D Maschinengewindebohrer
Speedtap-Inox,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte
sowie rostfreie Cr-Ni-Stähle ≤1200 N/mm².

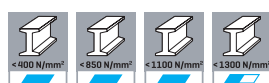
E Machine taps
Speedtap-Inox,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels and
for stainless Cr-Ni-steels ≤1200 N/mm².

I Maschi a macchina
Speedtap-Inox,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni ≤1200 N/mm².

Speedtap



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4647 Art.-Nr.	Code 4604 Art.-Nr.	Code 4624 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	2	Ø 1,6	0 4647002001 00		
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4647002501 00		
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4647003001 00	0 4604003001 00	0 4624003001 00
M 3,5	0,6	56	6	20	4	3	3	Ø 2,9	0 4647003501 00		
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4647004001 00	0 4604004001 00	0 4624004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4647005001 00	0 4604005001 00	0 4624005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4647006001 00	0 4604006001 00	0 4624006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4647008001 00	0 4604008001 00	0 4624008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4647010001 00	0 4604010001 00	0 4624010001 00
M 12	1,75	110	18	45	12	9	4	Ø 10,2	0 4647012001 00		

(*) Gültig für Code 4604 + 4624 / Valid for Code 4604 + 4624 / Valido per il codice 4604 + 4624

D Maschinengewindebohrer Speedtap-Inox, spiral-genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte
sowie rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

E Machine taps Speedtap-Inox, spiral fluted, for metric ISO-threads DIN 13

Range of application:

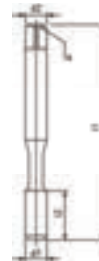
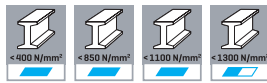
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels and
for stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

I Maschi a macchina Speedtap-Inox, scanalature elicoidali, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



d1 mm	P mm	l1 mm	l2 mm	d2 h9 mm	a h12 mm	Z			Code 4657 Art.-Nr.	Code 4614 Art.-Nr.	Code 4634 Art.-Nr.
M 3	0,5	56	5	2,2	-	3	Ø 2,5		0 4657003001 00	0 4614003001 00	
M 4	0,7	63	7	2,8	2,1	3	Ø 3,3		0 4657004001 00	0 4614004001 00	
M 5	0,8	70	8	3,5	2,7	3	Ø 4,2		0 4657005001 00	0 4614005001 00	
M 6	1	80	10	4,5	3,4	3	Ø 5		0 4657006001 00	0 4614006001 00	
M 8	1,25	90	13	6	4,9	3	Ø 6,8		0 4657008001 00	0 4614008001 00	
M 10	1,5	100	15	7	5,5	3	Ø 8,5		0 4657010001 00	0 4614010001 00	
M 12	1,75	110	18	9	7	4	Ø 10,2		0 4657012001 00	0 4614012001 00	0 4634012001 00
M 14	2	110	20	11	9	4	Ø 12		0 4657014001 00		
M 16	2	110	20	12	9	4	Ø 14		0 4657016001 00	0 4614016001 00	0 4634016001 00
M 18	2,5	125	25	14	11	4	Ø 15,5		0 4657018001 00		
M 20	2,5	140	25	16	12	4	Ø 17,5		0 4657020001 00	0 4614020001 00	0 4634020001 00
M 22	2,5	140	25	18	14,5	4	Ø 19,5		0 4657022001 00		0 4634022001 00
M 24	3	160	30	18	14,5	4	Ø 21		0 4657024001 00		0 4634024001 00
M 27	3	160	30	20	16	4	Ø 24		0 4657027001 00		0 4634027001 00
M 30	3,5	180	35	22	18	5	Ø 26,5		0 4657030001 00		0 4634030001 00
M 33	3,5	180	35	25	20	5	Ø 29,5		0 4657033001 00		0 4634033001 00
M 36	4	200	40	28	22	5	Ø 32		0 4657036001 00		0 4634036001 00

(*) Gültig für Code 4614 + 4634 / Valid for Code 4614 + 4634 / Valido per il codice 4614 + 4634

D Maschinengewindebohrer
Speedtap-Inox,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte
sowie rostfreie Cr-Ni-Stähle ≤1200 N/mm².

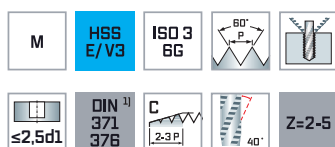
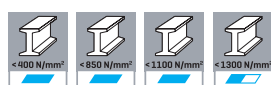
E Machine taps
Speedtap-Inox,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels and for
stainless Cr-Ni-steels ≤1200 N/mm².

I Maschi a macchina
Speedtap-Inox,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi al Cobalto HSS per fori ciechi. Particolarmente
adatti per acciai legati e non legati e per acciai inossi-
dabili Cr-Ni ≤1200 N/mm².

Speedtap



Inox

NEW



VRPO

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4687/4697 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	2	Ø 1,6	0 4687002001 00
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4687002501 00
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4687003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4687004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4687005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4687006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4687008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4687010001 00
M 12	1,75	110	18	–	9	7	4	Ø 10,2	0 4697012001 00
M 14	2	110	20	–	11	9	4	Ø 12	0 4697014001 00
M 16	2	110	20	–	12	9	4	Ø 14	0 4697016001 00
M 18	2,5	125	25	–	14	11	4	Ø 15,5	0 4697018001 00
M 20	2,5	140	25	–	16	12	4	Ø 17,5	0 4697020001 00
M 24	3	160	30	–	18	14,5	4	Ø 21	0 4697024001 00
M 27	3	160	30	–	20	16	4	Ø 24	0 4697027001 00
M 30	3,5	180	35	–	22	18	5	Ø 26,5	0 4697030001 00

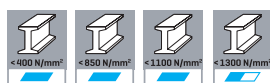
⁽¹⁾ DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer Speedtap-Inox, spiral-genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte
sowie rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

Speedtap



E Machine taps Speedtap-Inox, spiral fluted, for metric ISO-threads DIN 13

Range of application:

HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels and for
stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.



I Maschi a macchina Speedtap-Inox, scanalature elicoidali, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Inox

NEW



VAPD

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4646/4656 Art.-Nr.
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4646004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4646005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4646006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4646008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4646010001 00
M 12	1,75	110	18	-	9	7	4	Ø 10,2	0 4656012001 00
M 16	2	110	20	-	12	9	4	Ø 14	0 4656016001 00
M 20	2,5	140	25	-	16	12	4	Ø 17,5	0 4656020001 00

⁽¹⁾ DIN 371 $\leq$ M 10
DIN 376 $\geq$ M 12

D Maschinengewindebohrer
Speedtap-Uni/Inox,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte
sowie rostfreie Cr-Ni-Stähle ≤1300 N/mm².

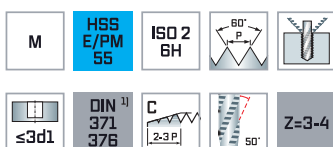
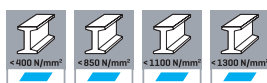
E Machine taps
Speedtap-Uni/Inox,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels ≤1300 N/mm².

I Maschi a macchina
Speedtap-Uni/Inox,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori ciechi.
Particolarmente adatti per acciai legati e non legati e
per acciai inossidabili Cr-Ni ≤1300 N/mm².

Speedtap



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 h9 mm	a h12 mm	Z		Code 4627/4637 Art.-Nr.	Code 4649/4659 Art.-Nr.
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5		0 4649003001 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3		0 4649004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2		0 4649005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4627006001 00	0 4649006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4627008001 00	0 4649008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4627010001 00	0 4649010001 00
M 12	1,75	110	18	-	9	7	4	Ø 10,2	0 4637012001 00	0 4659012001 00
M 14	2	110	20	-	11	9	4	Ø 12	0 4637014001 00	0 4659014001 00
M 16	2	110	20	-	12	9	4	Ø 14	0 4637016001 00	0 4659016001 00
M 18	2,5	125	25	-	14	11	4	Ø 15,5	0 4637018001 00	0 4659018001 00
M 20	2,5	140	25	-	16	12	4	Ø 17,5	0 4637020001 00	0 4659020001 00
M 22	2,5	140	25	-	18	14,5	4	Ø 19,5	0 4637022001 00	0 4659022001 00
M 24	3	160	30	-	18	14,5	4	Ø 21	0 4637024001 00	0 4659024001 00
M 27	3	160	30	-	20	16	4	Ø 24	0 4637027001 00	0 4659027001 00
M 30	3,5	180	35	-	22	18	4	Ø 26,5	0 4637030001 00	0 4659030001 00

^[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer
Speedtap-Aluminium,
 gerade genutet, für metrisches
 ISO-Gewinde DIN 13

Einsatzbereich:
 HSSE Gewindebohrer für Durchgangsgewinde.
 Besonders geeignet für Aluminium Si ≤ 0,5%,
 Kupfer, Thermoplaste.

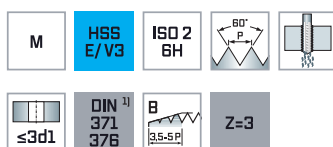
E Machine taps
Speedtap-Aluminium,
 straight fluted, for metric
 ISO-threads DIN 13

Range of application:
 HSS Cobalt tap for through hole threads.
 Especially suitable for aluminium Si ≤ 0,5%,
 copper, thermoplastics.

I Maschi a macchina
Speedtap-Aluminium,
 scanalature diritte, per
 filettatura metrica ISO, DIN 13

Impiego:
 Maschi in acciaio super rapido al Cobalto HSSE per
 fori passanti. Particolarmente adatti per alluminio
 Si ≤ 0,5%, rame, materiali termoplastici.

Speedtap



Alu

NEW



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4664/4674 Art.-Nr.
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5	0 4664003001 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4664004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4664005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4664006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4664008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4664010001 00
M 12	1,75	110	28	-	9	7	3	Ø 10,2	0 4674012001 00
M 16	2	110	32	-	12	9	3	Ø 14	0 4674016001 00
M 20	2,5	140	34	-	16	12	3	Ø 17,5	0 4674020001 00

⁽¹⁾ DIN 371 ≤ M 10
 DIN 376 ≥ M 12

D Maschinengewindebohrer
Speedtap–Aluminium,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für Aluminium
Si ≤ 0,5%, Kupfer, Thermoplaste.

E Machine taps
Speedtap–Aluminium,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:
HSS Cobalt tap for blind hole threads. Especially
suitable for aluminium Si ≤ 0,5%, copper, thermo-
plastics.

I Maschi a macchina
Speedtap–Aluminium,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE
per fori ciechi. Particolarmente adatti per alluminio
Si ≤ 0,5%, rame, materiali termoplastici.

Speedtap



RLu

NEW



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4676 Art.-Nr.
M 2	0,4	45	8	–	2,8	2,1	2	Ø 1,6	0 4676002001 00
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4676002501 00
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4676003001 00
M 3,5	0,6	56	6	20	4	3	3	Ø 2,9	0 4676003501 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4676004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4676005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4676006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4676008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4676010001 00

D Maschinengewindebohrer Speedtap–Grauguss, gerade genutet, für metrisches ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Durchgangs- und Grundgewinde. Besonders geeignet für alle Gußeisen (Grauguss, Kugelgraphitguß, Temperguß, Vermikularguß, ADI, Hartguß).

E Machine taps Speedtap–Grauguss, straight fluted, for metric ISO-threads DIN 13

Range of application:

HSS Cobalt tap for through hole threads and blind hole threads. Especially suitable for all cast iron (grey cast iron, spheroidal graphite, malleable cast iron, vermicular, ADI, chilled iron).

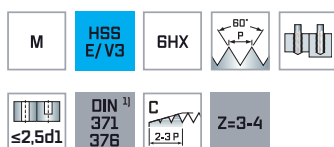
I Maschi a macchina Speedtap–Grauguss, scanalature diritte, per filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori passanti e fori ciechi. Particolarmente adatti per tutti i tipi di ghisa (ghisa grigia, ghisa sferoidale, ghisa temprata, ghisa vermiculare, ADI, ghisa temprata).

Speedtap

GRAUGUSS
CAST IRON
GHISA GRIGIA



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4684 Art.-Nr.	Code 4694 Art.-Nr.
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4684004001 00	
M 5	0,8	70	16	–	3,5	2,7	3	Ø 4,2		0 4694005001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4684005001 00	
M 6	1	80	19	–	4,5	3,4	3	Ø 5		0 4694006001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4684006001 00	
M 8	1,25	90	22	–	6	4,9	4	Ø 6,8		0 4694008001 00
M 8	1,25	90	22	35	8	6,2	4	Ø 6,8	0 4684008001 00	
M 10	1,5	100	24	–	7	5,5	4	Ø 8,5		0 4694010001 00
M 10	1,5	100	24	39	10	8	4	Ø 8,5	0 4684010001 00	
M 12	1,75	110	28	–	9	7	4	Ø 10,2		0 4694012001 00
M 16	2	110	32	–	12	9	4	Ø 14		0 4694016001 00

⁽¹⁾ DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer
Speedtap–Grauguss,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für alle Gußeisen (Grauguss,
Kugelgraphitguß, Temperguß, Vermikularguß, ADI,
Hartguß).

E Machine taps
Speedtap–Grauguss,
straight fluted, for metric
ISO-threads DIN 13

Range of application:

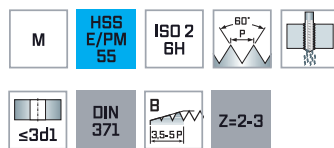
Tap made of powder steel for through hole threads
and blind hole threads. Especially suitable for all
cast iron (grey cast iron, spheroidal graphite,
malleable cast iron, vermicular, ADI, chilled iron).

I Maschi a macchina
Speedtap–Grauguss,
scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per tutti i tipi di
ghisa (ghisa grigia, ghisa sferoidale, ghisa temprata,
ghisa vermiculare, ADI, ghisa temperata).

Speedtap



Cast Iron

NEW



TiCN

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4682 Art.-Nr.
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4682002501 00
M 3	0,5	56	11	18	3,5	2,7	3	Ø 2,5	0 4682003001 00
M 3,5	0,6	56	12	20	4	3	3	Ø 2,9	0 4682003501 00
M 4	0,7	63	13	21	4,5	3,4	3	Ø 3,3	0 4682004001 00
M 5	0,8	70	16	25	6	4,9	3	Ø 4,2	0 4682005001 00
M 6	1	80	19	30	6	4,9	3	Ø 5	0 4682006001 00
M 8	1,25	90	22	35	8	6,2	3	Ø 6,8	0 4682008001 00
M 10	1,5	100	24	39	10	8	3	Ø 8,5	0 4682010001 00

D Maschinengewindebohrer
Speedtap–Grauguss,
spiral-genutet, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für alle Gußeisen (Grauguss,
Kugelgraphitguß, Temperguß, Vermikularguß,
ADI, Hartguß).

E Machine taps
Speedtap–Grauguss,
spiral fluted, for metric
ISO-threads DIN 13

Range of application:

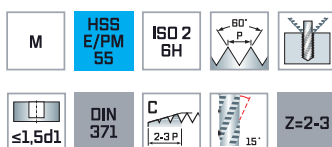
Tap made of powder steel for blind hole threads.
Especially suitable for all cast iron (grey cast iron,
spheroidal graphite, malleable cast iron, vermicu-
lar, ADI, chilled iron).

I Maschi a macchina
Speedtap–Grauguss,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per tutti i tipi di ghisa
(ghisa grigia, ghisa sferoidale, ghisa temprata, ghisa
vermiculare, ADI, ghisa temperata).

Speedtap



Cast Iron

NEW

TiCN

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4698 Art.-Nr.
M 2,5	0,45	50	9	–	2,8	2,1	2	Ø 2,05	0 4698002501 00
M 3	0,5	56	5	18	3,5	2,7	3	Ø 2,5	0 4698003001 00
M 3,5	0,6	56	6	20	4	3	3	Ø 2,9	0 4698003501 00
M 4	0,7	63	7	21	4,5	3,4	3	Ø 3,3	0 4698004001 00
M 5	0,8	70	8	25	6	4,9	3	Ø 4,2	0 4698005001 00
M 6	1	80	10	30	6	4,9	3	Ø 5	0 4698006001 00
M 8	1,25	90	13	35	8	6,2	3	Ø 6,8	0 4698008001 00
M 10	1,5	100	15	39	10	8	3	Ø 8,5	0 4698010001 00

D Maschinengewindebohrer Speedtap-Universal, gerade genutet, für metrisches ISO-Feingewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, und legierte
Stähle $\leq 850 \text{ N/mm}^2$ sowie Cu- und Al Legierungen
Si $\leq 10\%$.

Speedtap



E Machine taps Speedtap-Universal, straight fluted, for metric ISO-fine threads DIN 13

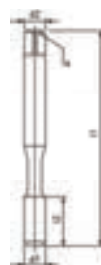
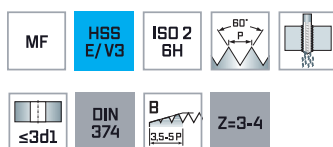
Impiego:

HSS Cobalt tap for through hole threads.
Especially suitable for non-alloyed and alloyed
steels $\leq 850 \text{ N/mm}^2$ and for copper and aluminium
alloys Si $\leq 10\%$.

I Maschi a macchina Speedtap-Universal, scanalature diritte, per filettatura metrica ISO fine, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE
per fori passanti. Particolarmente adatti per acciai
legati e non legati $\leq 850 \text{ N/mm}^2$ e per leghe di rame e
alluminio Si $\leq 10\%$.



Uni

NEW



d1 mm	P mm	l1 mm	l2 mm	d2 h9 mm	a h12 mm	Z		Code 4703 Art.-Nr.
MF 3	0,35	56	8	2,2	-	3	Ø 2,65	0 4703006001 00
MF 4	0,5	63	10	2,8	2,1	3	Ø 3,5	0 4703009001 00
MF 5	0,5	70	12	3,5	2,7	3	Ø 4,5	0 4703011001 00
MF 6	0,5	80	14	4,5	3,4	3	Ø 5,5	0 4703013001 00
MF 6	0,75	80	14	4,5	3,4	3	Ø 5,25	0 4703015001 00
MF 7	0,75	80	14	5,5	4,3	3	Ø 6,25	0 4703016001 00
MF 8	0,5	80	18	6	4,9	3	Ø 7,5	0 4703014001 00
MF 8	0,75	80	18	6	4,9	3	Ø 7,25	0 4703017001 00
MF 8	1	90	22	6	4,9	3	Ø 7	0 4703022001 00
MF 9	1	90	22	7	5,5	3	Ø 8	0 4703023001 00
MF 10	0,75	90	20	7	5,5	3	Ø 9,25	0 4703019001 00
MF 10	1	90	20	7	5,5	3	Ø 9	0 4703024001 00
MF 10	1,25	100	24	7	5,5	3	Ø 8,75	0 4703037001 00
MF 11	1	90	20	8	6,2	3	Ø 10	0 4703025001 00
MF 12	1	100	22	9	7	3	Ø 11	0 4703026001 00
MF 12	1,25	100	22	9	7	3	Ø 10,75	0 4703038001 00
MF 12	1,5	100	22	9	7	3	Ø 10,5	0 4703040001 00
MF 14	1	100	22	11	9	3	Ø 13	0 4703027001 00
MF 14	1,25	100	22	11	9	3	Ø 12,75	0 4703039001 00
MF 14	1,5	100	22	11	9	3	Ø 12,5	0 4703041001 00
MF 15	1	100	22	12	9	3	Ø 14	0 4703028001 00
MF 15	1,5	100	22	12	9	3	Ø 13,5	0 4703042001 00
MF 16	1	100	22	12	9	3	Ø 15	0 4703029001 00
MF 16	1,5	100	22	12	9	3	Ø 14,5	0 4703043001 00
MF 18	1	110	25	14	11	3	Ø 17	0 4703030001 00
MF 18	1,5	110	25	14	11	3	Ø 16,5	0 4703044001 00
MF 18	2	125	34	14	11	3	Ø 16	0 4703065001 00
MF 20	1	125	25	16	12	3	Ø 19	0 4703031001 00
MF 20	1,5	125	25	16	12	3	Ø 18,5	0 4703045001 00
MF 20	2	140	34	16	12	3	Ø 18	0 4703066001 00
MF 22	1	125	25	18	14,5	3	Ø 21	0 4703032001 00
MF 22	1,5	125	25	18	14,5	3	Ø 20,5	0 4703046001 00

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4703 Art.-Nr.
MF 22	2	140	34	18	14,5	3	Ø 20	0 4703067001 00
MF 24	1	140	28	18	14,5	3	Ø 23	0 4703033001 00
MF 24	1,5	140	28	18	14,5	3	Ø 22,5	0 4703047001 00
MF 24	2	140	28	18	14,5	3	Ø 22	0 4703068001 00
MF 25	1,5	140	28	18	14,5	3	Ø 23,5	0 4703048001 00
MF 26	1,5	140	28	18	14,5	4	Ø 24,5	0 4703049001 00
MF 27	1,5	140	28	20	16	4	Ø 25,5	0 4703050001 00
MF 27	2	140	28	20	16	4	Ø 25	0 4703069001 00
MF 28	1,5	140	28	20	16	4	Ø 26,5	0 4703051001 00
MF 30	1	150	28	22	18	4	Ø 29	0 4703034001 00
MF 30	1,5	150	28	22	18	4	Ø 28,5	0 4703052001 00
MF 30	2	150	28	22	18	4	Ø 28	0 4703070001 00
MF 32	1,5	150	28	22	18	4	Ø 30,5	0 4703053001 00
MF 33	1,5	160	30	25	20	4	Ø 31,5	0 4703052501 00
MF 34	1,5	170	30	28	22	4	Ø 32,5	0 4703054001 00
MF 35	1,5	170	30	28	22	4	Ø 33,5	0 4703056001 00
MF 36	1,5	170	30	28	22	4	Ø 34,5	0 4703057001 00
MF 38	1,5	170	30	28	22	4	Ø 36,5	0 4703058001 00
MF 40	1,5	170	30	32	24	4	Ø 38,5	0 4703059001 00
MF 42	1,5	170	30	32	24	4	Ø 40,5	0 4703060001 00
MF 45	1,5	180	32	36	29	4	Ø 43,5	0 4703061001 00
MF 48	1,5	190	32	36	29	4	Ø 46,5	0 4703062001 00
MF 50	1,5	190	32	36	29	4	Ø 48,5	0 4703063001 00
MF 52	1,5	190	32	40	32	4	Ø 50,5	0 4703064001 00

D Maschinengewindebohrer
Speedtap–Uni/Inox,
gerade genutet, für metrisches
ISO-Feingewinde DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1300 \text{ N/mm}^2$.

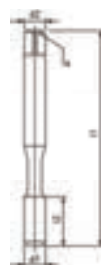
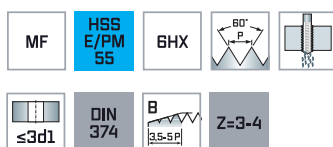
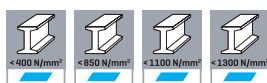
E Machine taps
Speedtap–Uni/Inox,
straight fluted, for metric
ISO-fine threads DIN 13

Range of application:
Tap made of powder steel for through hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1300 \text{ N/mm}^2$.

I Maschi a macchina
Speedtap–Uni/Inox,
scanalature diritte, per filettatura
metrica ISO fine, DIN 13

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per acciai legati e
non legati e per acciai inossidabili Cr-Ni $\leq 1300 \text{ N/mm}^2$.

Speedtap



Uni Inox

NEW



HARDOUR

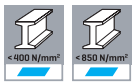
d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4753 Art.-Nr.
MF 8	1	90	22	6	4,9	3	Ø 7	0 4753022001 00
MF 10	1	90	20	7	5,5	3	Ø 9	0 4753024001 00
MF 10	1,25	100	24	7	5,5	3	Ø 8,8	0 4753037001 00
MF 12	1	100	22	9	7	3	Ø 11	0 4753026001 00
MF 12	1,25	100	22	9	7	3	Ø 10,8	0 4753038001 00
MF 12	1,5	100	22	9	7	3	Ø 10,5	0 4753040001 00
MF 14	1,5	100	22	11	9	4	Ø 12,5	0 4753041001 00
MF 16	1,5	100	22	12	9	4	Ø 14,5	0 4753043001 00
MF 18	1,5	110	25	14	11	4	Ø 16,5	0 4753044001 00
MF 20	1,5	125	25	16	12	4	Ø 18,5	0 4753045001 00

D Maschinengewindebohrer Speedtap-Universal, spiral-genutet, für metrisches ISO-Feingewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, und legierte
Stähle $\leq 850 \text{ N/mm}^2$ sowie Cu- und Al Legierungen
Si $\leq 10\%$.

Speedtap



E Machine taps Speedtap-Universal, spiral fluted, for metric ISO-fine threads DIN 13

Impiego:

HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels ≤ 850
N/mm² and for copper and aluminium alloys Si
 $\leq 10\%$.



I Maschi a macchina Speedtap-Universal, scanalature elicoidali, per filettatura metrica ISO fine, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per
fori ciechi. Particolarmente adatti per acciai legati e
non legati $\leq 850 \text{ N/mm}^2$ e per leghe di rame e allu-
minio Si $\leq 10\%$.

Uni



d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4713 Art.-Nr.
MF 3	0,35	56	4	2,2	-	3	Ø 2,65	0 4713006001 00
MF 4	0,5	63	6	2,8	2,1	3	Ø 3,5	0 4713009001 00
MF 5	0,5	70	7	3,5	2,7	3	Ø 4,5	0 4713011001 00
MF 6	0,5	80	8	4,5	3,4	3	Ø 5,5	0 4713013001 00
MF 6	0,75	80	8	4,5	3,4	3	Ø 5,25	0 4713015001 00
MF 8	0,75	80	10	6	4,9	3	Ø 7,25	0 4713017001 00
MF 8	1	90	10	6	4,9	3	Ø 7	0 4713022001 00
MF 10	1	90	12	7	5,5	3	Ø 9	0 4713024001 00
MF 10	1,25	100	12	7	5,5	3	Ø 8,8	0 4713037001 00
MF 12	1	100	14	9	7	3	Ø 11	0 4713026001 00
MF 12	1,25	100	14	9	7	3	Ø 10,8	0 4713038001 00
MF 12	1,5	100	14	9	7	3	Ø 10,5	0 4713040001 00
MF 14	1	100	16	11	9	3	Ø 13	0 4713027001 00
MF 14	1,25	100	16	11	9	3	Ø 12,8	0 4713039001 00
MF 14	1,5	100	16	11	9	3	Ø 12,5	0 4713041001 00
MF 16	1	100	16	12	9	3	Ø 15	0 4713029001 00
MF 16	1,5	100	16	12	9	3	Ø 14,5	0 4713043001 00
MF 18	1	110	20	14	11	4	Ø 17	0 4713030001 00
MF 18	1,5	110	20	14	11	4	Ø 16,5	0 4713044001 00
MF 20	1	125	20	16	12	4	Ø 19	0 4713031001 00
MF 20	1,5	125	20	16	12	4	Ø 18,5	0 4713045001 00
MF 22	1,5	125	20	18	14,5	4	Ø 20,5	0 4713046001 00
MF 24	1,5	140	24	18	14,5	4	Ø 22,5	0 4713047001 00
MF 24	2	140	24	18	14,5	4	Ø 22	0 4713068001 00
MF 25	1,5	140	24	18	14,5	4	Ø 23,5	0 4713048001 00
MF 26	1,5	140	24	18	14,5	4	Ø 24,5	0 4713049001 00
MF 27	1,5	140	24	20	16	4	Ø 25,5	0 4713050001 00
MF 27	2	140	24	20	16	4	Ø 25	0 4713069001 00
MF 28	1,5	140	24	20	16	4	Ø 26,5	0 4713051001 00
MF 30	1,5	150	28	22	18	4	Ø 28,5	0 4713052001 00
MF 30	2	150	28	22	18	4	Ø 28	0 4713070001 00

D Maschinengewindebohrer
Speedtap-Uni/Inox,
spiral-genutet, für metrisches
ISO-Feingewinde DIN 13

E Machine taps
Speedtap-Uni/Inox,
spiral fluted, for metric
ISO-fine threads DIN 13

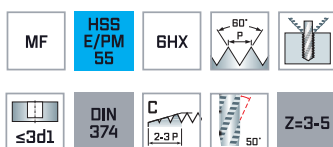
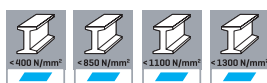
I Maschi a macchina
Speedtap-Uni/Inox,
scanalature elicoidali, per
filettatura metrica ISO fine, DIN 13

Einsatzbereich:
HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle ≤1300 N/mm².

Range of application:
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels ≤1300 N/mm².

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni ≤1300 N/mm².

Speedtap



Uni Inox

NEW



HARDOUR

d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4763 Art.-Nr.
MF 8	1	90	10	6	4,9	3	Ø 7	0 4763022001 00
MF 10	1	90	12	7	5,5	4	Ø 9	0 4763024001 00
MF 10	1,25	100	12	7	5,5	4	Ø 8,8	0 4763037001 00
MF 12	1	100	14	9	7	4	Ø 11	0 4763026001 00
MF 12	1,25	100	14	9	7	4	Ø 10,8	0 4763038001 00
MF 12	1,5	100	14	9	7	4	Ø 10,5	0 4763040001 00
MF 14	1,5	100	16	11	9	4	Ø 12,5	0 4763041001 00
MF 16	1,5	100	16	12	9	5	Ø 14,5	0 4763043001 00
MF 18	1,5	110	20	14	11	5	Ø 16,5	0 4763044001 00
MF 20	1,5	125	20	16	12	5	Ø 18,5	0 4763045001 00

D Maschinengewindebohrer
Speedtap-Inox,
gerade genutet, für metrisches
ISO-Feingewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

E Machine taps
Speedtap-Inox,
straight fluted, for metric
ISO-fine threads DIN 13

Range of application:

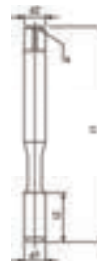
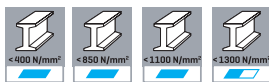
HSS Cobalt tap for through hole threads. Especially
suitable for non-alloyed and alloyed steels and for
stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

I Maschi a macchina
Speedtap-Inox,
scanalature diritte, per filettatura
metrica ISO fine, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
passanti. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



Inox

NEW



VARIO

d1 mm	P mm	l1 mm	l2 mm	d2 h9 mm	a h12 mm	Z		Code 4723 Art.-Nr.
MF 3	0,35	56	8	2,2	-	3	Ø 2,65	0 4723006001 00
MF 4	0,5	63	10	2,8	2,1	3	Ø 3,5	0 4723009001 00
MF 5	0,5	70	12	3,5	2,7	3	Ø 4,5	0 4723011001 00
MF 6	0,5	80	14	4,5	3,4	3	Ø 5,5	0 4723013001 00
MF 6	0,75	80	14	4,5	3,4	3	Ø 5,25	0 4723015001 00
MF 8	0,75	80	18	6	4,9	3	Ø 7,25	0 4723017001 00
MF 8	1	90	22	6	4,9	3	Ø 7	0 4723022001 00
MF 10	1	90	20	7	5,5	3	Ø 9	0 4723024001 00
MF 12	1	100	22	9	7	3	Ø 11	0 4723026001 00
MF 12	1,5	100	22	9	7	3	Ø 10,5	0 4723040001 00
MF 14	1,5	100	22	11	9	3	Ø 12,5	0 4723041001 00
MF 16	1,5	100	22	12	9	3	Ø 14,5	0 4723043001 00
MF 18	1,5	110	25	14	11	3	Ø 16,5	0 4723044001 00
MF 20	1,5	125	25	16	12	3	Ø 18,5	0 4723045001 00
MF 22	1,5	125	25	18	14,5	3	Ø 20,5	0 4723046001 00
MF 24	1,5	140	28	18	14,5	3	Ø 22,5	0 4723047001 00

D Maschinengewindebohrer
Speedtap-Inox,
spiral-genutet, für metrisches
ISO-Feingewinde DIN 13

Einsatzbereich:
HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte
sowie rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

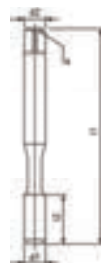
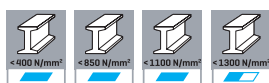
E Machine taps
Speedtap-Inox,
spiral fluted, for metric
ISO-fine threads DIN 13

Range of application:
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels and for
stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

I Maschi a macchina
Speedtap-Inox,
scanalature elicoidali, per
filettatura metrica ISO fine, DIN 13

Impiego:
Maschi in acciaio super rapido al Cobalto HSSE per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



Inox

NEW



VRPO

d1 mm	P mm	l1 mm	l2 mm	d2 h9 mm	a h12 mm	Z		Code 4733 Art.-Nr.
MF 3	0,35	56	4	2,2	-	3	Ø 2,65	0 4733006001 00
MF 4	0,5	63	6	2,8	2,1	3	Ø 3,5	0 4733009001 00
MF 5	0,5	70	7	3,5	2,7	3	Ø 4,5	0 4733011001 00
MF 6	0,5	80	8	4,5	3,4	3	Ø 5,5	0 4733013001 00
MF 6	0,75	80	8	4,5	3,4	3	Ø 5,25	0 4733015001 00
MF 8	0,75	80	10	6	4,9	3	Ø 7,25	0 4733017001 00
MF 8	1	90	10	6	4,9	3	Ø 7	0 4733022001 00
MF 10	1	90	12	7	5,5	4	Ø 9	0 4733024001 00
MF 12	1	100	14	9	7	4	Ø 11	0 4733026001 00
MF 12	1,5	100	14	9	7	4	Ø 10,5	0 4733040001 00
MF 14	1,5	100	16	11	9	4	Ø 12,5	0 4733041001 00
MF 16	1,5	100	16	12	9	5	Ø 14,5	0 4733043001 00
MF 18	1,5	110	20	14	11	5	Ø 16,5	0 4733044001 00
MF 20	1,5	125	20	16	12	5	Ø 18,5	0 4733045001 00
MF 22	1,5	125	20	18	14,5	5	Ø 20,5	0 4733046001 00
MF 24	1,5	140	24	18	14,5	5	Ø 22,5	0 4733047001 00
MF 27	1,5	140	24	20	16	5	Ø 25,5	0 4733050001 00
MF 30	1,5	150	28	22	18	5	Ø 28,5	0 4733052001 00

D Maschinengewindebohrer
Speedtap–Grauguss,
 gerade genutet, für metrisches
 ISO-Feingewinde DIN 13

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
 Besonders geeignet für alle Gußeisen (Grauguß,
 Kugelgraphitguß, Temperguß, Vermikularguß,
 ADI, Hartguß).

E Machine taps
Speedtap–Grauguss,
 straight fluted, for metric
 ISO-fine threads DIN 13

Range of application:

HSS Cobalt tap for through hole threads. Especially
 suitable for all cast iron (grey cast iron, spheroidal
 graphite, malleable cast iron, vermicular, ADI,
 chilled iron).

I Maschi a macchina
Speedtap–Grauguss,
 scanalature diritte, per filettatura
 metrica ISO fine, DIN 13

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per
 fori passanti. Particolarmente adatti per tutti i tipi di
 ghisa (ghisa grigia, ghisa sferoidale, ghisa temprata,
 ghisa vermiculare, ADI, ghisa temperata).

Speedtap

GRAUGUSS
 CAST IRON
 GHISA GRIGIA



Cast Iron

NEW

TiCN

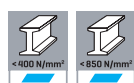
d1 mm	P mm	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4743 Art.-Nr.
MF 8	1	90	22	6	4,9	4	Ø 7	0 4743022001 00
MF 10	1	90	20	7	5,5	4	Ø 9	0 4743024001 00
MF 12	1,5	100	22	9	7	4	Ø 10,5	0 4743040001 00
MF 16	1,5	100	22	12	9	4	Ø 14,5	0 4743043001 00

D Maschinengewindebohrer
Speedtap-Universal,
gerade genutet, für Whitworth-
Rohrgewinde DIN ISO 228

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, und legierte
Stähle $\leq 850 \text{ N/mm}^2$ sowie Cu- und Al Legierungen
Si $\leq 10\%$.

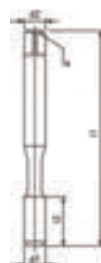
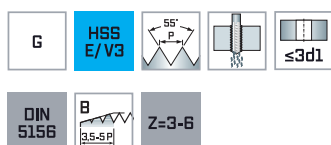
Speedtap



E Machine taps
Speedtap-Universal,
straight fluted, for whitworth
pipe threads DIN ISO 228

Impiego:

HSS Cobalt tap for through hole threads. Especially
suitable for non-alloyed and alloyed steels ≤ 850
N/mm² and for copper and aluminium alloys Si
 $\leq 10\%$.



I Maschi a macchina
Speedtap-Universal,
scanalature diritte, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
passanti. Particolarmente adatti per acciai legati e non
legati $\leq 850 \text{ N/mm}^2$ e per leghe di rame e alluminio Si
 $\leq 10\%$.

Uni

NEW



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4702 Art.-Nr.
G 1/8"	28	90	20	7	5,5	3	Ø 8,8	0 4702016001 00
G 1/4"	19	100	22	11	9	3	Ø 11,8	0 4702020001 00
G 3/8"	19	100	22	12	9	3	Ø 15,25	0 4702024001 00
G 1/2"	14	125	25	16	12	3	Ø 19	0 4702028001 00
G 5/8"	14	125	25	18	14,5	4	Ø 21	0 4702032001 00
G 3/4"	14	140	28	20	16	4	Ø 24,5	0 4702034001 00
G 7/8"	14	150	28	22	18	4	Ø 28,25	0 4702036001 00
G 1"	11	160	30	25	20	4	Ø 30,75	0 4702038001 00
G 1 1/8"	11	170	30	28	22	4	Ø 35,3	0 4702040001 00
G 1 1/4"	11	170	30	32	24	4	Ø 39,25	0 4702042001 00
G 1 3/8"	11	180	32	36	29	6	Ø 41,9	0 4702044001 00
G 1 1/2"	11	190	32	36	29	6	Ø 45,25	0 4702046001 00

D Maschinengewindebohrer
Speedtap-Uni/Inox,
gerade genutet, für Whitworth-
Rohrgewinde DIN ISO 228

Einsatzbereich:
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle ≤1300 N/mm².

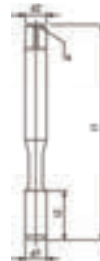
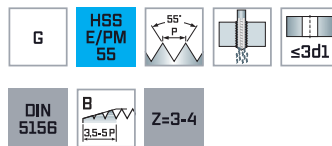
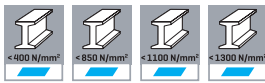
E Machine taps
Speedtap-Uni/Inox,
straight fluted, for whitworth
pipe threads DIN ISO 228

Range of application:
Tap made of powder steel for through hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels ≤1300 N/mm².

I Maschi a macchina
Speedtap-Uni/Inox,
scanalature diritte, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:
Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per acciai legati e
non legati e per acciai inossidabili Cr-Ni ≤1300 N/mm².

Speedtap



Uni Inox

NEW



HARDOUR

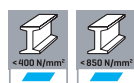
d1 inch	P Gg / 1"	L1 mm	L2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4742 Art.-Nr.
G 1/8"	28	90	20	7	5,5	3	Ø 8,8	Ø 4742016001 00
G 1/4"	19	100	22	11	9	3	Ø 11,8	Ø 4742020001 00
G 3/8"	19	100	22	12	9	3	Ø 15,25	Ø 4742024001 00
G 1/2"	14	125	25	16	12	3	Ø 19	Ø 4742028001 00
G 5/8"	14	125	25	18	14,5	4	Ø 21	Ø 4742032001 00
G 3/4"	14	140	26	20	16	4	Ø 24,5	Ø 4742034001 00
G 1"	11	160	30	25	20	4	Ø 30,75	Ø 4742038001 00

D Maschinengewindebohrer Speedtap-Universal, spiral-genutet, für Whitworth- Rohrgewinde DIN ISO 228

Einsatzbereich:

HSSE Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, und legierte
Stähle $\leq 850 \text{ N/mm}^2$ sowie Cu- und Al Legierungen
Si $\leq 10\%$.

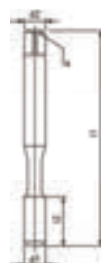
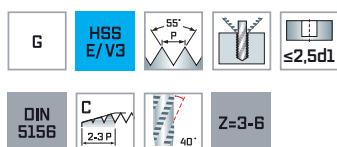
Speedtap



E Machine taps Speedtap-Universal, spiral fluted, for whitworth pipe threads DIN ISO 228

Impiego:

HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels ≤ 850
N/mm² and for copper and aluminium alloys Si
 $\leq 10\%$.



I Maschi a macchina Speedtap-Universal, scanalature elicoidali, per filettatura whitworth per tubi, DIN ISO 228

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
ciechi. Particolarmente adatti per acciai legati e non
legati $\leq 850 \text{ N/mm}^2$ e per leghe di rame e alluminio Si
 $\leq 10\%$.

Uni

NEW



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 h9 mm	a h12 mm	Z		Code 4712 Art.-Nr.
G 1/8"	28	90	16	7	5,5	3	Ø 8,8	0 4712016001 00
G 1/4"	19	100	20	11	9	3	Ø 11,8	0 4712020001 00
G 3/8"	19	100	22	12	9	3	Ø 15,25	0 4712024001 00
G 1/2"	14	125	25	16	12	4	Ø 19	0 4712028001 00
G 5/8"	14	125	25	18	14,5	4	Ø 21	0 4712032001 00
G 3/4"	14	140	28	20	16	4	Ø 24,5	0 4712034001 00
G 7/8"	14	150	28	22	18	4	Ø 28,25	0 4712036001 00
G 1"	11	160	30	25	20	4	Ø 30,75	0 4712038001 00
G 1 1/8"	11	170	30	28	22	4	Ø 35,3	0 4712040001 00
G 1 1/4"	11	170	30	32	24	6	Ø 39,25	0 4712042001 00
G 1 3/8"	11	180	32	36	29	6	Ø 41,9	0 4712044001 00
G 1 1/2"	11	190	32	36	29	6	Ø 45,25	0 4712046001 00

**D Maschinengewindebohrer
Speedtap-Uni/Inox,**
spiral-genutet, für Whitworth-
Rohrgewinde DIN ISO 228

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1300 \text{ N/mm}^2$.

**E Machine taps
Speedtap-Uni/Inox,**
spiral fluted, for whitworth
pipe threads DIN ISO 228

Range of application:

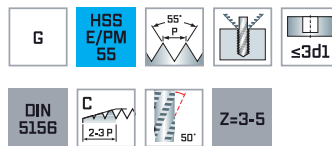
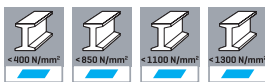
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1300 \text{ N/mm}^2$.

**I Maschi a macchina
Speedtap-Uni/Inox,**
scanalature elicoidali, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
ciechi. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1300 \text{ N/mm}^2$.

Speedtap



Uni Inox

NEW



HARDOUR

d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 h9 mm	a h12 mm	Z		Code 4752 Art.-Nr.
G 1/8"	28	90	12	7	5,5	3	Ø 8,8	Ø 4752016001 00
G 1/4"	19	100	15	11	9	4	Ø 11,8	Ø 4752020001 00
G 3/8"	19	100	15	12	9	4	Ø 15,25	Ø 4752024001 00
G 1/2"	14	125	18	16	12	4	Ø 19	Ø 4752028001 00
G 5/8"	14	125	18	18	14,5	4	Ø 21	Ø 4752032001 00
G 3/4"	14	140	20	20	16	5	Ø 24,5	Ø 4752034001 00
G 1"	11	160	22	25	20	5	Ø 30,75	Ø 4752038001 00

D Maschinengewindebohrer
Speedtap-Inox,
gerade genutet, für Whitworth-
Rohrgewinde DIN ISO 228

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, legierte sowie
rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

E Machine taps
Speedtap-Inox,
straight fluted, for whitworth
pipe threads DIN ISO 228

Range of application:

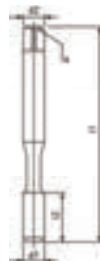
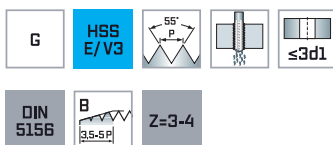
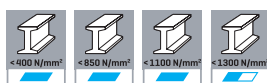
HSS Cobalt tap for through hole threads. Especially
suitable for non-alloyed and alloyed steels and for
stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

I Maschi a macchina
Speedtap-Inox,
scanalature diritte, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
passanti. Particolarmente adatti per acciai legati e non
legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



Inox

NEW



VRPO

d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4722 Art.-Nr.
G 1/8"	28	90	20	7	5,5	3	Ø 8,8	0 4722016001 00
G 1/4"	19	100	22	11	9	3	Ø 11,8	0 4722020001 00
G 3/8"	19	100	22	12	9	3	Ø 15,25	0 4722024001 00
G 1/2"	14	125	25	16	12	3	Ø 19	0 4722028001 00
G 5/8"	14	125	25	18	14,5	4	Ø 21	0 4722032001 00
G 3/4"	14	140	28	20	16	4	Ø 24,5	0 4722034001 00
G 7/8"	14	150	28	22	18	4	Ø 28,25	0 4722036001 00
G 1"	11	160	30	25	20	4	Ø 30,75	0 4722038001 00

D Maschinengewindebohrer
Speedtap-Inox,
 spiral-genutet, für Whitworth-
 Rohrgewinde DIN ISO 228

Einsatzbereich:

HSSE Gewindebohrer für Grundgewinde.
 Besonders geeignet für unlegierte, legierte
 sowie rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$.

E Machine taps
Speedtap-Inox,
 spiral fluted, for whitworth
 pipe threads DIN ISO 228

Range of application:

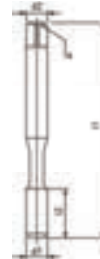
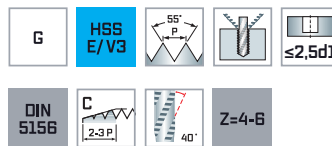
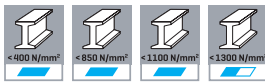
HSS Cobalt tap for blind hole threads. Especially
 suitable for non-alloyed and alloyed steels and for
 stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

I Maschi a macchina
Speedtap-Inox,
 scanalature elicoidali, per filettatura
 whitworth per tubi, DIN ISO 228

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori
 ciechi. Particolarmente adatti per acciai legati e non
 legati e per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



Inox

NEW



VRPO

d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4732 Art.-Nr.
G 1/8"	28	90	11	7	5,5	4	Ø 8,8	Ø 4732016001 00
G 1/4"	19	100	16	11	9	4	Ø 11,8	Ø 4732020001 00
G 3/8"	19	100	16	12	9	5	Ø 15,25	Ø 4732024001 00
G 1/2"	14	125	22	16	12	5	Ø 19	Ø 4732028001 00
G 5/8"	14	125	22	18	14,5	5	Ø 21	Ø 4732032001 00
G 3/4"	14	140	22	20	16	5	Ø 24,5	Ø 4732034001 00
G 7/8"	14	150	22	22	18	5	Ø 28,25	Ø 4732036001 00
G 1"	11	160	28	25	20	5	Ø 30,75	Ø 4732038001 00
G 1 1/8"	11	170	30	28	22	5	Ø 35,3	Ø 4732040001 00
G 1 1/4"	11	170	30	32	24	6	Ø 39,25	Ø 4732042001 00
G 1 3/8"	11	180	32	36	29	6	Ø 41,9	Ø 4732044001 00
G 1 1/2"	11	190	32	36	29	6	Ø 45,25	Ø 4732046001 00

D Maschinengewindeformer
Speedtap-Universal,
mit Ölnuten, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindeformer für Durchgangs- und Grundgewinde. Besonders geeignet für unlegierte, und legierte Stähle $\leq 1300 \text{ N/mm}^2$, Aluminium Si $\leq 10\%$.

E Rolling taps
Speedtap-Universal,
with oil grooves, for metric
ISO-threads DIN 13

Range of application:

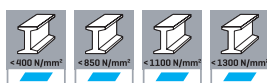
HSS Cobalt rolling tap for through hole threads and blind hole threads. Especially suitable for non-alloyed and alloyed steels $\leq 1300 \text{ N/mm}^2$, aluminium Si $\leq 10\%$.

I Maschi a macchina a rulare
Speedtap-Universal,
con scanalature per
lubrificazione, per filettatura
metrica ISO, DIN 13

Impiego:

Maschi a rullare in acciaio super rapido al Cobalto HSSE per fori passanti e fori ciechi. Particolarmente adatti per acciai legati e non legati $\leq 1300 \text{ N/mm}^2$, alluminio Si $\leq 10\%$.

Speedtap



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4689/4699 Art.-Nr.	Code 4669/4679 Art.-Nr.
M 1	0,25	40	5,5	-	2,5	2,1	-	Ø 0,9		0 4669001001 00
M 1,2	0,25	40	5,5	-	2,5	2,1	-	Ø 1,1		0 4669001201 00
M 1,4	0,3	40	7	-	2,5	2,1	-	Ø 1,27		0 4669001401 00
M 1,6	0,35	40	8	-	2,5	2,1	-	Ø 1,45		0 4669001601 00
M 2	0,4	45	8	-	2,8	2,1	-	Ø 1,85		0 4669002001 00
M 2,5	0,45	50	9	-	2,8	2,1	-	Ø 2,33		0 4669002501 00
M 3	0,5	56	8	18	3,5	2,7	4	Ø 2,8		0 4669003001 00
M 4	0,7	63	11	21	4,5	3,4	4	Ø 3,7		0 4669004001 00
M 5	0,8	70	12	25	6	4,9	5	Ø 4,65		0 4669005001 00
M 6	1	80	10	30	6	4,9	5	Ø 5,55	0 4689006001 00	0 4669006001 00
M 8	1,25	90	12	35	8	6,2	5	Ø 7,4	0 4689008001 00	0 4669008001 00
M 10	1,5	100	15	39	10	8	8	Ø 9,3	0 4689010001 00	0 4669010001 00
M 12	1,75	110	17	-	9	7	8	Ø 11,2	0 4699012001 00	0 4679012001 00
M 14	2	110	20	-	11	9	8	Ø 13	0 4699014001 00	0 4679014001 00
M 16	2	110	20	-	12	9	8	Ø 15	0 4699016001 00	0 4679016001 00
M 18	2,5	125	20	-	14	11	8	Ø 16,8	0 4699018001 00	0 4679018001 00
M 20	2,5	140	20	-	16	12	8	Ø 18,8	0 4699020001 00	0 4679020001 00
M 22	2,5	140	20	-	18	14,5	8	Ø 20,8	0 4699022001 00	0 4679022001 00
M 24	3	160	24	-	18	14,5	8	Ø 22,5	0 4699024001 00	0 4679024001 00
M 27	3	160	18	-	20	16	8	Ø 25,5	0 4699027001 00	0 4679027001 00
M 30	3,5	180	21	-	22	18	8	Ø 28,2	0 4699030001 00	0 4679030001 00
M 33	3,5	180	21	-	25	20	8	Ø 31,2	0 4699033001 00	
M 36	4	200	24	-	28	22	8	Ø 33,9	0 4699036001 00	
M 39	4	200	24	-	32	24	9	Ø 36,9	0 4699039001 00	
M 42	4,5	200	27	-	32	24	9	Ø 39,6	0 4699042001 00	
M 45	4,5	220	27	-	36	29	9	Ø 42,6	0 4699045001 00	

**D Maschinengewindeformer
Speedtap-Inox,**
mit Ölnuten, für metrisches
ISO-Gewinde DIN 13

Einsatzbereich:

HSSE Gewindeformer für Durchgangs- und Grundgewinde. Besonders geeignet für rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$, Aluminium Si $\leq 10\%$.

**E Rolling taps
Speedtap-Inox,**
with oil grooves, for metric
ISO-threads DIN 13

Range of application:

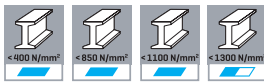
HSS Cobalt rolling tap for through hole threads and blind hole threads. Especially suitable for stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$, aluminium Si $\leq 10\%$.

**I Maschi a macchina a rulare
Speedtap-Inox,**
con scanalature per
lubrificazione, per filettatura
metrica ISO, DIN 13

Impiego:

Maschi a rullare in acciaio super rapido al Cobalto HSSE per fori passanti e fori ciechi. Particolarmente adatti per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$, alluminio Si $\leq 10\%$.

Speedtap



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4678/4688 Art.-Nr.	Code 4644/4654 Art.-Nr.
M 2	0,4	45	8	-	2,8	2,1	3	Ø 1,83		Ø 4644002001 00
M 2,5	0,45	50	9	-	2,8	2,1	3	Ø 2,33		Ø 4644002501 00
M 3	0,5	56	11	18	3,5	2,7	4	Ø 2,8		Ø 4644003001 00
M 3,5	0,6	56	11	18	4	3	4	Ø 3,25		Ø 4644003501 00
M 4	0,7	63	13	21	4,5	3,4	5	Ø 3,7		Ø 4644004001 00
M 5	0,8	70	16	25	6	4,9	5	Ø 4,65		Ø 4644005001 00
M 6	1	80	19	30	6	4,9	5	Ø 5,55	Ø 4678006001 00	Ø 4644006001 00
M 8	1,25	90	22	35	8	6,2	6	Ø 7,4	Ø 4678008001 00	Ø 4644008001 00
M 10	1,5	100	24	39	10	8	6	Ø 9,3	Ø 4678010001 00	Ø 4644010001 00
M 12	1,75	110	28	-	9	7	6	Ø 11,2	Ø 4688012001 00	Ø 4654012001 00
M 14	2	110	30	-	11	9	5	Ø 13	Ø 4688014001 00	Ø 4654014001 00
M 16	2	110	32	-	12	9	7	Ø 15	Ø 4688016001 00	Ø 4654016001 00

**D Maschinengewindeformer
Speedtap-Universal,
mit Ölnuten, für metrisches
ISO-Feingewinde DIN 13**

Einsatzbereich:

HSSE Gewindeformer für Durchgangs- und Grundgewinde. Besonders geeignet für unlegierte, und legierte Stähle $\leq 1300 \text{ N/mm}^2$, Aluminium Si $\leq 10\%$.

**E Rolling taps
Speedtap-Universal,
with oil grooves, for metric
ISO-fine threads DIN 13**

Range of application:

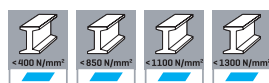
HSS Cobalt rolling tap for through hole threads and blind hole threads. Especially suitable for non-alloyed and alloyed steels $\leq 1300 \text{ N/mm}^2$, aluminium Si $\leq 10\%$.

**I Maschi a macchina a rulare
Speedtap-Universal,
con scanalature per
lubrificazione, per filettatura
metrica ISO fine, DIN 13**

Impiego:

Maschi a rullare in acciaio super rapido al Cobalto HSSE per fori passanti e fori ciechi. Particolarmente adatti per acciai legati e non legati $\leq 1300 \text{ N/mm}^2$, alluminio Si $\leq 10\%$.

Speedtap



Uni



TiCN

d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4773 Art.-Nr.
MF 8	1	90	10	35	8	6,2	5	Ø 7,55	0 4773022001 00
MF 10	1	90	12	35	10	8	8	Ø 9,55	0 4773024001 00
MF 10	1,25	100	12	39	10	8	8	Ø 9,45	0 4773037001 00
MF 12	1	100	15	-	9	7	8	Ø 11,6	0 4773026001 00
MF 12	1,25	100	15	-	9	7	8	Ø 11,4	0 4773038001 00
MF 12	1,5	100	15	-	9	7	8	Ø 11,3	0 4773040001 00
MF 14	1,25	100	15	-	11	9	8	Ø 13,4	0 4773039001 00
MF 14	1,5	100	15	-	11	9	8	Ø 13,3	0 4773041001 00
MF 16	1,5	100	15	-	12	9	8	Ø 15,3	0 4773043001 00
MF 18	1,5	110	15	-	14	11	8	Ø 17,3	0 4773044001 00
MF 20	1,5	125	15	-	16	12	8	Ø 19,3	0 4773045001 00
MF 22	1,5	125	15	-	18	14,5	8	Ø 21,3	0 4773046001 00
MF 24	1,5	140	15	-	18	14,5	8	Ø 23,3	0 4773047001 00

**D Maschinengewindeformer
Speedtap-Inox,**
mit Ölnuten, für metrisches
ISO-Feingewinde DIN 13

Einsatzbereich:

HSSE Gewindeformer für Durchgangs- und Grundgewinde. Besonders geeignet für rostfreie Cr-Ni-Stähle $\leq 1200 \text{ N/mm}^2$, Aluminium Si $\leq 10\%$.

**E Rolling taps
Speedtap-Inox,**
with oil grooves, for metric
ISO-fine threads DIN 13

Range of application:

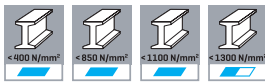
HSS Cobalt rolling tap for through hole threads and blind hole threads. Especially suitable for stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$, aluminium Si $\leq 10\%$.

**I Maschi a macchina a rulare
Speedtap-Inox,**
con scanalature per
lubrificazione, per filettatura
metrica ISO fine, DIN 13

Impiego:

Maschi a rullare in acciaio super rapido al Cobalto HSSE per fori passanti e fori ciechi. Particolarmente adatti per acciai inossidabili Cr-Ni $\leq 1200 \text{ N/mm}^2$, alluminio Si $\leq 10\%$.

Speedtap



Inox

NEW

TiN



d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4783 Art.-Nr.
MF 3	0,35	56	8	18	3,5	2,7	3	0 2,85	0 4783006001 00
MF 4	0,5	63	10	21	4,5	3,4	4	0 3,9	0 4783009001 00
MF 5	0,5	70	12	25	6	4,9	4	0 4,78	0 4783011001 00
MF 6	0,75	80	14	30	6	4,9	5	0 5,7	0 4783015001 00
MF 8	1	90	22	35	8	6,2	5	0 7,55	0 4783022001 00
MF 10	1	90	20	35	10	8	5	0 9,55	0 4783024001 00
MF 12	1,5	100	22	-	9	7	6	0 11,3	0 4783040001 00
MF 16	1,5	100	22	-	12	9	6	0 15,3	0 4783043001 00

**D Maschinengewindeformer
Speedtap-Universal,**
mit Ölnuten, für Whitworth-
Rohrgewinde DIN ISO 228

Einsatzbereich:

HSSE Gewindeformer für Durchgangs- und Grundgewinde. Besonders geeignet für unlegierte, und legierte Stähle $\leq 1300 \text{ N/mm}^2$, Aluminium Si $\leq 10\%$.

**E Rolling taps
Speedtap-Universal,**
with oil grooves, for
whitworth pipe threads
DIN ISO 228

Range of application:

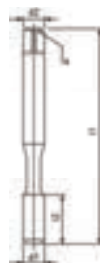
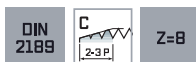
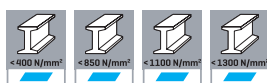
HSS Cobalt rolling tap for through hole threads and blind hole threads. Especially suitable for non-alloyed and alloyed steels $\leq 1300 \text{ N/mm}^2$, aluminium Si $\leq 10\%$.

**I Maschi a macchina a rulare
Speedtap-Universal,**
con scanalature per
lubrificazione, per filettatura
whitworth per tubi, DIN ISO 228

Impiego:

Maschi a rullare in acciaio super rapido al Cobalto HSSE per fori passanti e fori ciechi. Particolarmente adatti per acciai legati e non legati $\leq 1300 \text{ N/mm}^2$, alluminio Si $\leq 10\%$.

Speedtap



Uni

NEW

TiCN

d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4692 Art.-Nr.
G 1/8"	28	90	9	7	5,5	8	Ø 9,3	0 4692016001 00
G 1/4"	19	100	13	11	9	8	Ø 12,5	0 4692020001 00
G 3/8"	19	100	13	12	9	8	Ø 16	0 4692024001 00
G 1/2"	14	125	18	16	12	8	Ø 20	0 4692028001 00



Speedtap 4.0



HSS-Gewindewerkzeuge



HSS taps and dies



HSS maschi e filiere



HSS-Gewindewerkzeuge
HSS taps and dies
HSS maschi e filiere

D Übersicht

Gewindewerkzeuge

E Overview

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I Sommario

Maschi e filiere

D Anwendungsbereiche der Farbring-Maschinengewindebohrer auf Seite 450.

E Application range of colour-ring machine taps on page 450.

I Impiego maschi a macchina funzione colore anello pagina 450.

Maschinengewindebohrer / Machine taps / Maschi a macchina



Norm / Standard	DIN 371 / DIN 376					
Gewindeart / Type of thread / Tipo di maschio	M	M	M	M	M	M
Lochart / Hole type / Tipo di fore						
Toleranz / Tolerance / Tolleranza	ISO2 6H	ISO2 6H	ISO3 6G	ISO2 6H	ISO2 6H	ISO3 6G
Anschnitt / Chamfer / Imbocco	C	B	B	B	C	C
Drallwinkel / Spiral angle / Angolo elica					35°	35°
Schneidstoff / Cutting material / Acciaio	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5
Beschichtung / Coating / Rivestimento						
Ø mm	M 2 - M 24	M 2 - M 10	M 3 - M 12	M 3 - M 36	M 2 - M 30	M 3 - M 12
Code / Codice	4790/4794	4711	4720	4716	4891/4896	4812
Seite / Page / Pagina	332	333	333	334	335	335
Geeignet für / Suitable for / Adatte per						
Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²						
Stähle < 850 N/mm² Steels < 850 N/mm² Acciai < 850 N/mm²						
Stähle < 1.100 N/mm² Steels < 1.100 N/mm² Acciai < 1.100 N/mm²						
Stähle < 1.300 N/mm² Steels < 1.300 N/mm² Acciai < 1.300 N/mm²						
Stähle > 45 HRC Steels > 45 HRC Acciai > 45 HRC						
INOX Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²						
INOX Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²						
Grauguss, Temperguss Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile						
Ti Titanium and titanium alloys Titanio e leghe di Titanio						
Cu, Ms Copper, brass Rame, ottone						
Al Aluminium Alluminio						
Kunststoffe Plastics Materie plastiche						

Übersicht
Gewindewerkzeuge

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Taps and dies

Sommario
Maschi e filiere

Maschinengewindebohrer / Machine taps / Maschi a macchina							
							
Uni	Uni	Uni	Uni	Inox	Inox	Alu	Alu
DIN 371 / DIN 376							
M	M	M	M	M	M	M	M
							
ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H	ISO2 6H
B	B	C	C	B	C	B	C
		40°	40°		35°		35°
HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5
	ALUNIT®		ALUNIT®	TiN	TiN		
M 2 - M 30	M 2 - M 16	M 2 - M 30	M 2 - M 16	M 3 - M 24	M 3 - M 30	M 3 - M 12	M 3 - M 16
4802/4803	4807/4817	4804/4805	4837/4847	4801/4806	4971/4976	4740/4744	4981/4986
336	336	337	337	338	339	340	341
							
							
							
							
							
							
							
							
							

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Taps and dies

I Sommario

Maschi e filiere

	Gewindeformer / Rolling taps / Maschi a rullare	Maschinengewindebohrer / Machine taps / Maschi a macchina		
				
Norm / Standard	DIN 371 / DIN 376	DIN 374		DIN 5156
Gewindeart / Type of thread / Tipo di maschio	M	MF	MF	G
Lochart / Hole type / Tipo di fore				
Toleranz / Tolerance / Tolleranza	ISO2 6HX	ISO2 6H	ISO2 6H	
Anschnitt / Chamfer / Imbocco	C	B	C	C
Drallwinkel / Spiral angle / Angolo elica			35°	
Schneidstoff / Cutting material / Acciaio	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5
Beschichtung / Coating / Rivestimento	TiN			
Ø mm	M 3 - M 12	MF 4 - MF 30	MF 4 - MF 30	G 1/8" - G 1"
Code / Codice	4855/4856	5154	5174	4905
Seite / Page / Pagina	342	343	344	345
Geeignet für / Suitable for / Adatte per				
 Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²				
 Stähle < 850 N/mm² Steels < 850 N/mm² Acciai < 850 N/mm²				
 Stähle < 1.100 N/mm² Steels < 1.100 N/mm² Acciai < 1.100 N/mm²				
 Stähle < 1.300 N/mm² Steels < 1.300 N/mm² Acciai < 1.300 N/mm²				
 Stähle > 45 HRC Steels > 45 HRC Acciai > 45 HRC				
 Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²				
 Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²				
 Grauguss, Temperguss Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile				
 Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio				
 Kupfer, Messing Copper, brass Rame, ottone				
 Aluminium Aluminium Alluminio				
 Kunststoffe Plastics Materie plastiche				

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Taps and dies

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Maschi e filiere

Maschinengewindebohrer / Machine taps / Maschi a macchina					Handgewindebohrer / Hand taps / Maschi a mano
					
DIN 5156		DIN 371 / DIN 376		DIN 374	DIN 352
G	G	BSW	UNC	UNF	M
					
			2B	2B	ISO2 6H
B	C	B	B	B	C
	35°				
HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS-Co5	HSS
G 1/8" - G 1"	G 1/8" - G 1"	W 1/8" - W 1"	5 - 1 1/8"	5 - 1 1/8"	M 2 - M 30
5204	5055	5207	5205/5215	5206	4503
346	347	348	349	350	351
					
					
					
					
					



HSS-Gewindewerkzeuge
HSS taps and dies
HSS maschi e filiere

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Gewindewerkzeuge

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Taps and dies

I Sommario
Maschi e filiere

	Handgewindebohrer / Hand taps / Maschi a mano			Schneideisen / Dies / Filiere	
					
				LINKS LEFT HAND SINISTRA	
Norm / Standard	DIN 352	DIN 2181	DIN 5157	WN	
Gewindeart / Type of thread / Tipo di maschio	M	MF	G	M	M
Lochart / Hole type / Tipo di fore					
Toleranz / Tolerance / Tolleranza	ISO2 6H	ISO2 6H		6g	6g
Anschnitt / Chamfer / Imbocco	C	C	C		
Drallwinkel / Spiral angle / Angolo elica					
Schneidstoff / Cutting material / Acciaio	HSS-Co5	HSS	HSS	HSS	HSS
Beschichtung / Coating / Rivestimento					
Ø mm	M 3 - M 20	MF 3 - MF 22	G 1/8" - G 1"	M 2 - M 30	M 3 - M 24
Code / Codice	4523	4533	4573	5553	5554
Seite / Page / Pagina	352	353	354	355	356
Geeignet für / Suitable for / Adatte per					
 Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²					
 Stähle < 850 N/mm² Steels < 850 N/mm² Acciai < 850 N/mm²					
 Stähle < 1.100 N/mm² Steels < 1.100 N/mm² Acciai < 1.100 N/mm²					
 Stähle < 1.300 N/mm² Steels < 1.300 N/mm² Acciai < 1.300 N/mm²					
 Stähle > 45 HRC Steels > 45 HRC Acciai > 45 HRC					
 Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²					
 Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²					
 Grauguss, Temperguss Cast iron, malleable cast iron Ghisa grigia, ghisa malleabile					
 Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio					
 Kupfer, Messing Copper, brass Rame, ottone					
 Aluminium Aluminium Alluminio					
 Kunststoffe Plastics Materie plastiche					

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 Maschi e filiere

Schneideisen / Dies / Filiere					Windseisen / Tap wrenches / Giramaschio	Handgewindebohrer / Hand taps / Maschi a mano
						
WN					DIN 1814	DIN EN 22568, EN 24231
M	MF	G	UNC	UNF		
6g	6g		2A	2A		
HSS-Co5	HSS	HSS	HSS	HSS		
M 2 - M 20	MF 4 - MF 30	G 1/8" - G 1"	Nr. 1 - 1"	Nr. 1 - 1 1/8"	Nr. 1 - Nr. 5	Nr. 1 - Nr. 13
5555	5613	5673	5753	5773	5430/712	5440
357	358	359	360	361	362	362
						
						
						
						
						
						
						
						
						
						

 Ideal / Ideal / Ideale

 Geeignet / Suitable / Adatte

D Maschinengewindebohrer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde allgemeiner Anwendung. Geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm², Stahlguss sowie Aluminium-Legierungen (kurzspanend).

E Machine taps

straight fluted, for metric
ISO-threads DIN 13

Range of application:

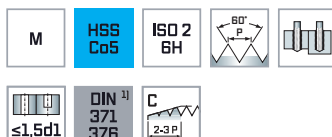
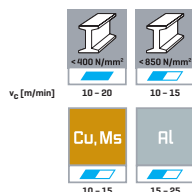
For through hole and blind hole threads in general application. Suitable for alloyed and unalloyed steels up to appr. 600 N/mm², cast steels as well as aluminium alloys (short chipping).

I Maschi a macchina

scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Impiego generale per fori ciechi e fori passanti. Adatti per acciai legati e non legati con R fino a 600 N/mm², acciaio fuso, leghe di alluminio (a truciolo corto).



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4790 / 4794 Art.-Nr.
M 2	0,4	45	8	2,8	2,1	Ø 1,6 mm	0 4790002001 00
M 2,5	0,45	50	9	2,8	2,1	Ø 2,05 mm	0 4790002501 00
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4790003001 00
M 3,5	0,6	56	13	4	3	Ø 2,9 mm	0 4790003501 00
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4790004001 00
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4790005001 00
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4790006001 00
M 7	1	80	19	7	5,5	Ø 6,0 mm	0 4790007001 00
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4790008001 00
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4790010001 00
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4794012001 00
M 14	2	110	30	11	9	Ø 12,0 mm	0 4794014001 00
M 16	2	110	32	12	9	Ø 14,0 mm	0 4794016001 00
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4794018001 00
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4794020001 00
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4794022001 00
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4794024001 00

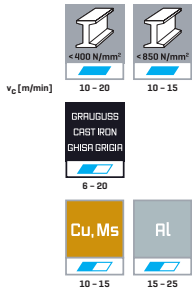
[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

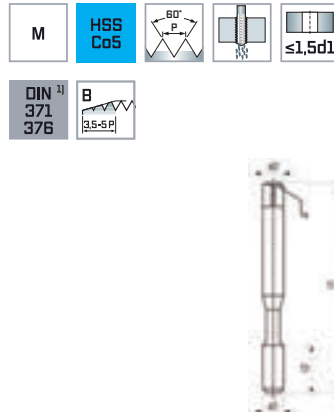
Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

**E Machine taps**

straight fluted, for metric
ISO-threads DIN 13

Range of application:

Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

**I Maschi a macchina**

scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone [a truciolo lungo].



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4711 Art.-Nr.	Code 4720 Art.-Nr.
M 2	0,4	45	8	2,8	2,1	Ø 1,6 mm	0 4711002001 00	
M 2,5	0,45	50	9	2,8	2,1	Ø 2,05 mm	0 4711002501 00	
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4711003001 00	0 4720003001 00
M 3,5	0,6	56	13	4	3	Ø 2,9 mm	0 4711003501 00	
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4711004001 00	0 4720004001 00
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4711005001 00	0 4720005001 00
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4711006001 00	0 4720006001 00
M 7	1	80	19	7	5,5	Ø 6,0 mm	0 4711007001 00	
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4711008001 00	0 4720008001 00
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4711010001 00	0 4720010001 00
M 12	1,75	110	29	9	7	Ø 10,2 mm		0 4720012001 00

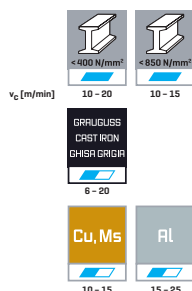
[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

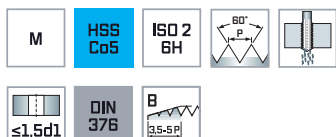


E Machine taps

straight fluted, for metric
ISO-threads DIN 13

Range of application:

Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).



I Maschi a macchina

scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).



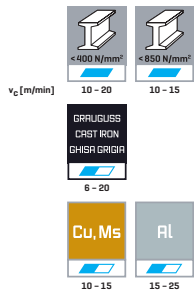
d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4716 Art.-Nr.
M 3	0,5	56	11	2,2		Ø 2,5 mm	0 4716003001 00
M 4	0,7	63	13	2,8	2,1	Ø 3,3 mm	0 4716004001 00
M 5	0,8	70	16	3,5	2,7	Ø 4,2 mm	0 4716005001 00
M 6	1	80	19	4,5	3,4	Ø 5,0 mm	0 4716006001 00
M 8	1,25	90	22	6	4,9	Ø 6,8 mm	0 4716008001 00
M 10	1,5	100	24	7	5,5	Ø 8,5 mm	0 4716010001 00
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4716012001 00
M 14	2	110	30	11	9	Ø 12,0 mm	0 4716014001 00
M 16	2	110	32	12	9	Ø 14,0 mm	0 4716016001 00
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4716018001 00
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4716020001 00
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4716022001 00
M 24	3	160	36	18	14,5	Ø 21,0 mm	0 4716024001 00
M 27	3	160	36	20	16	Ø 24,0 mm	0 4716027001 00
M 30	3,5	180	45	22	18	Ø 26,5 mm	0 4716030001 00
M 36	4	200	50	28	22	Ø 32,0 mm	0 4716036001 00

D Maschinengewindebohrer

spiral-genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

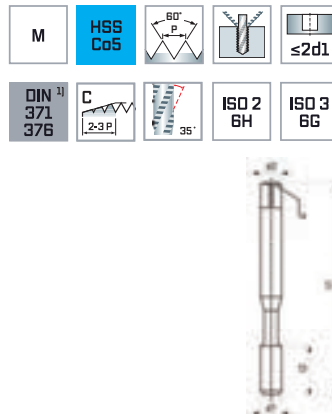


E Machine taps

spiral fluted, for metric
ISO-threads DIN 13

Range of application:

For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).



I Maschi a macchina

scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4891/4896 Art.-Nr.	Code 4812 Art.-Nr.
M 2	0,4	45	6	2,8	2,1	Ø 1,6 mm	0 4891002001 00	
M 2,5	0,45	50	6	2,8	2,1	Ø 2,05 mm	0 4891002501 00	
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4891003001 00	0 4812003001 00
M 3,5	0,6	56	6	4	3	Ø 2,9 mm	0 4891003501 00	
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4891004001 00	0 4812004001 00
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4891005001 00	0 4812005001 00
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4891006001 00	0 4812006001 00
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4891008001 00	0 4812008001 00
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4891010001 00	0 4812010001 00
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4896012001 00	0 4812012001 00
M 14	2	110	20	11	9	Ø 12,0 mm	0 4896014001 00	
M 16	2	110	20	12	9	Ø 14,0 mm	0 4896016001 00	
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4896018001 00	
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4896020001 00	
M 22	2,5	140	25	18	14,5	Ø 19,5 mm	0 4896022001 00	
M 24	3	160	30	18	14,5	Ø 21,0 mm	0 4896024001 00	
M 27	3	160	30	20	16	Ø 24,0 mm	0 4896027001 00	
M 30	3,5	180	35	22	18	Ø 26,5 mm	0 4896030001 00	

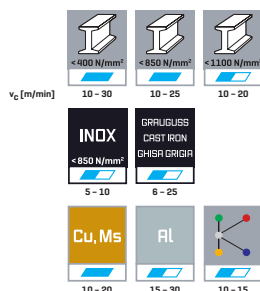
[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Universal-Maschinengewindebohrer mit Schälan-
schnitt für Durchgangsgewinde. Besonders ge-
eignet für Baustähle, Einsatzstähle, Vergütungs-
stähle, rost- und säurebeständige Stähle sowie
Aluminium-Kupferlegierungen.

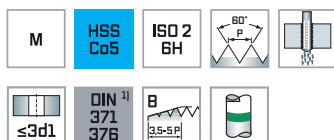


E Machine taps

straight fluted, for metric
ISO-threads DIN 13

Range of application:

Universal machine taps with spiral point for th-
rough hole threads. Especially suitable for struc-
tural steels, case hardening steels, heat treatable
steels, stainless and acid-resistant steels as well
as aluminium-copper alloys.



I Maschi a macchina

scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi a macchina, imbocco corretto, impiego
generale per fori passanti. Particolarmente adatti per
acciai da costruzione, acciai da cementazione, acciai
bonificati, acciai inossidabili, acciai resistenti agli
acidi, leghe di alluminio.



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4802/4803 Art.-Nr.	Code 4807/4817 Art.-Nr.
M 2	0,4	45	8	2,8	2,1	Ø 1,6 mm	0 4802002001 00	0 4807002001 00
M 2,5	0,45	50	9	2,8	2,1	Ø 2,05 mm	0 4802002501 00	0 4807002501 00
M 3	0,5	56	10	3,5	2,7	Ø 2,5 mm	0 4802003001 00	0 4807003001 00
M 4	0,7	63	12	4,5	3,4	Ø 3,3 mm	0 4802004001 00	0 4807004001 00
M 5	0,8	70	14	6	4,9	Ø 4,2 mm	0 4802005001 00	0 4807005001 00
M 6	1	80	16	6	4,9	Ø 5,0 mm	0 4802006001 00	0 4807006001 00
M 8	1,25	90	18	8	6,2	Ø 6,8 mm	0 4802008001 00	0 4807008001 00
M 10	1,5	100	20	10	8	Ø 8,5 mm	0 4802010001 00	0 4807010001 00
M 12	1,75	110	22	9	7	Ø 10,2 mm	0 4803012001 00	0 4817012001 00
M 14	2	110	25	11	9	Ø 12,0 mm	0 4803014001 00	0 4817014001 00
M 16	2	110	28	12	9	Ø 14,0 mm	0 4803016001 00	0 4817016001 00
M 20	2,5	140	32	16	12	Ø 17,5 mm	0 4803020001 00	
M 22	2,5	140	32	18	14,5	Ø 19,5 mm	0 4803022001 00	
M 24	3	160	36	18	14,5	Ø 21,0 mm	0 4803024001 00	
M 30	3,5	180	40	22	18	Ø 26,5 mm	0 4803030001 00	

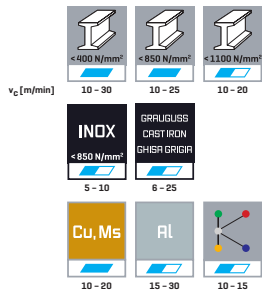
[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

spiral-genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Universal-Maschinengewindebohrer für Grundgewinde. Besonders geeignet für Baustähle, Einsatzstähle, Vergütungsstähle, rost- und säurebeständige Stähle sowie Aluminium-Kupferlegierungen.

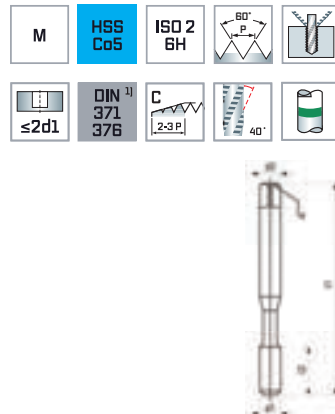


E Machine taps

spiral fluted, for metric ISO-
threads DIN 13

Range of application:

Universal machine taps for blind hole threads. Especially suitable for structural steels, case hardening steels, heat treatable steels, stainless and acid-resistant steels as well as aluminium-copper alloys.



I Maschi a macchina

scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi a macchina impiego generale per fori ciechi. Particolarmente adatti per acciai da costruzione, acciai da cementazione, acciai bonificati, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio.



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4804/4805 Art.-Nr.	Code 4837/4847 Art.-Nr.
M 2	0,4	45	8	2,8	2,1	Ø 1,6 mm	0 4804002001 00	0 4837002001 00
M 2,5	0,45	50	9	2,8	2,1	Ø 2,05 mm	0 4804002501 00	0 4837002501 00
M 3	0,5	56	6	3,5	2,7	Ø 2,5 mm	0 4804003001 00	0 4837003001 00
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4804004001 00	0 4837004001 00
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4804005001 00	0 4837005001 00
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4804006001 00	0 4837006001 00
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4804008001 00	0 4837008001 00
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4804010001 00	0 4837010001 00
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4805012001 00	0 4847012001 00
M 14	2	110	20	11	9	Ø 12,0 mm	0 4805014001 00	0 4847014001 00
M 16	2	110	20	12	9	Ø 14,0 mm	0 4805016001 00	0 4847016001 00
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4805020001 00	
M 22	2,5	140	25	18	14,5	Ø 19,5 mm	0 4805022001 00	
M 24	3	160	30	18	14,5	Ø 21,0 mm	0 4805024001 00	
M 30	3,5	180	35	22	18	Ø 26,5 mm	0 4805030001 00	

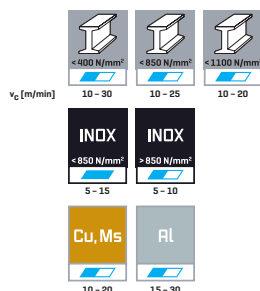
[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).

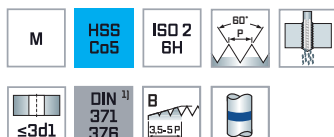


E Machine taps

straight fluted, for metric
ISO-threads DIN 13

Range of application:

Machine taps with spiral point for through hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).



I Maschi a macchina

scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo) rame e leghe di rame (a truciolo lungo).

Inox



TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4801/4806 Art.-Nr.
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4801003001 00
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4801004001 00
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4801005001 00
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4801006001 00
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4801008001 00
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4801010001 00
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4806012001 00
M 14	2	110	30	11	9	Ø 12,0 mm	0 4806014001 00
M 16	2	110	32	12	9	Ø 14,0 mm	0 4806016001 00
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4806018001 00
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4806020001 00
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4806022001 00
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4806024001 00

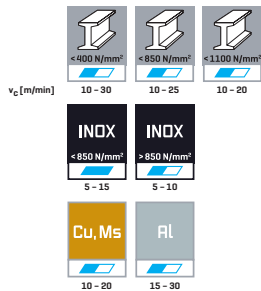
[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

spiral-genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).



E Machine taps

spiral fluted, for metric
ISO-threads DIN 13

Range of application:

For blind hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).



I Maschi a macchina

scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo), rame, leghe di rame (a truciolo lungo).

Inox



TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4971/4976 Art.-Nr.
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4971003001 00
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4971004001 00
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4971005001 00
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4971006001 00
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4971008001 00
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4971010001 00
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4976012001 00
M 14	2	110	20	11	9	Ø 12,0 mm	0 4976014001 00
M 16	2	110	20	12	9	Ø 14,0 mm	0 4976016001 00
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4976018001 00
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4976020001 00
M 22	2,5	140	25	18	14,5	Ø 19,5 mm	0 4976022001 00
M 24	3	160	30	18	14,5	Ø 21,0 mm	0 4976024001 00
M 30	3,5	180	35	22	18	Ø 26,5 mm	0 4976030001 00

[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer
gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt
für Durchgangsgewinde, besonders geeignet für
weiches Aluminium.

E Machine taps
straight fluted, for metric
ISO-threads DIN 13

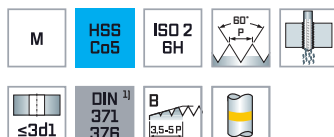
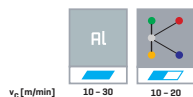
Range of application:

Machine taps with spiral point for through hole
threads, especially suitable for soft aluminium.

I Maschi a macchina
scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passan-
ti, particolarmente adatti per alluminio dolce.



Alu



TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm	Ø 2,5 mm	Code 4740/4744 Art.-Nr.
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4740003001 00
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4740004001 00
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4740005001 00
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4740006001 00
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4740008001 00
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4740010001 00
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4744012001 00

[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

spiral-genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für
weiches Aluminium.

E Machine taps

spiral fluted, for metric ISO-
threads DIN 13

Range of application:

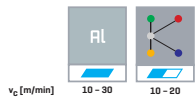
For blind hole threads, especially suitable for soft
aluminium.

I Maschi a macchina

scanalature elicoidali, per
filettatura metrica ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per alluminio
dolce.



Alu



TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm	Ø	Code 4981/4986 Art.-Nr.
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4981003001 00
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4981004001 00
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4981005001 00
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4981006001 00
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4981008001 00
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4981010001 00
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4986012001 00
M 14	2	110	20	11	9	Ø 12,0 mm	0 4986014001 00
M 16	2	110	20	12	9	Ø 14,0 mm	0 4986016001 00

[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Gewindeformer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm² sowie Aluminium, Aluminium-Legierungen (< 10% Si), Kupfer und Kupfer-Legierungen (langspanend).

	
< 800 N/mm ²	< 850 N/mm ²
20 - 40	20 - 30
	
Cu, Ms	Al
5 - 20	10 - 30

E Rolling taps

straight fluted, for metric
ISO-threads DIN 13

Range of application:

For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm² as well as aluminium, aluminium alloys (< 10% Si), copper and copper alloys (long chipping).

M	HSS Co5	ISO 2 6HX		
	DIN 1) 371 376	C		
≤ 2,5d1				



I Maschi a macchina a rullare

scanalature diritte, per
filettatura metrica ISO, DIN 13

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², alluminio, leghe di alluminio (< 10% Si), rame, leghe di rame (a truciolo lungo).



TIN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4855/4856 Art.-Nr.
M 3	0,5	56	10	3,5	2,7	Ø 2,77 - 2,82 mm	0 4855003001 00
M 4	0,7	63	12	4,5	3,4	Ø 3,68 - 3,73 mm	0 4855004001 00
M 5	0,8	70	14	6	4,9	Ø 4,63 - 4,68 mm	0 4855005001 00
M 6	1	80	16	6	4,9	Ø 5,51 - 5,59 mm	0 4855006001 00
M 8	1,25	90	18	8	6,2	Ø 7,39 - 7,48 mm	0 4855008001 00
M 10	1,5	100	20	10	8	Ø 9,25 - 9,35 mm	0 4855010001 00
M 12	1,75	110	22	9	7	Ø 11,12 - 11,25 mm	0 4856012001 00

[1] DIN 371 ≤ M 10
DIN 376 ≥ M 12

D Maschinengewindebohrer

gerade genutet, für
metrisches ISO-Feingewinde
DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

	
< 400 N/mm ²	< 850 N/mm ²
10 - 20	10 - 15
	
Cu, Ms	Al
10 - 15	15 - 25

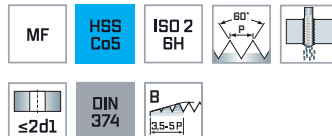
v_c [m/min]

E Machine taps

straight fluted, for metric
ISO fine threads DIN 13

Range of application:

Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).



I Maschi a macchina

scanalature diritte, per
filettatura metrica ISO fine,
DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).



d1 mm	P mm	l1 mm	l2 mm	d2 mm	aH12 mm		Code 5154 Art.-Nr.
MF 4	0,5	63	10	2,8	2,1	Ø 3,5 mm	0 5154009001 00
MF 5	0,5	70	12	3,5	2,7	Ø 4,5 mm	0 5154011001 00
MF 6	0,5	80	14	4,5	3,4	Ø 5,5 mm	0 5154013001 00
MF 6	0,75	80	14	4,5	3,4	Ø 5,2 mm	0 5154015001 00
MF 8	0,75	80	19	6	4,9	Ø 7,2 mm	0 5154017001 00
MF 10	0,75	90	20	7	5,5	Ø 9,2 mm	0 5154019001 00
MF 8	1	90	22	6	4,9	Ø 7,0 mm	0 5154022001 00
MF 10	1	90	20	7	5,5	Ø 9,0 mm	0 5154024001 00
MF 12	1	100	22	9	7	Ø 11,0 mm	0 5154026001 00
MF 14	1	100	22	11	9	Ø 13,0 mm	0 5154027001 00
MF 16	1	100	22	12	9	Ø 15,0 mm	0 5154029001 00
MF 18	1	110	25	14	11	Ø 17,0 mm	0 5154030001 00
MF 20	1	125	25	16	12	Ø 19,0 mm	0 5154031001 00
MF 22	1	125	25	18	14,5	Ø 21,0 mm	0 5154032001 00
MF 24	1	140	28	18	14,5	Ø 23,0 mm	0 5154033001 00
MF 10	1,25	100	24	7	5,5	Ø 8,8 mm	0 5154037001 00
MF 12	1,25	100	22	9	7	Ø 10,8 mm	0 5154038001 00
MF 14	1,25	100	22	11	9	Ø 12,8 mm	0 5154039001 00
MF 12	1,5	100	22	9	7	Ø 10,5 mm	0 5154040001 00
MF 14	1,5	100	22	11	9	Ø 12,5 mm	0 5154041001 00
MF 16	1,5	100	22	12	9	Ø 14,5 mm	0 5154043001 00
MF 18	1,5	110	25	14	11	Ø 16,5 mm	0 5154044001 00
MF 20	1,5	125	25	16	12	Ø 18,5 mm	0 5154045001 00
MF 22	1,5	125	25	18	14,5	Ø 20,5 mm	0 5154046001 00
MF 24	1,5	140	28	18	14,5	Ø 22,5 mm	0 5154047001 00
MF 25	1,5	140	28	18	14,5	Ø 23,5 mm	0 5154048001 00
MF 26	1,5	140	28	18	14,5	Ø 24,5 mm	0 5154049001 00
MF 27	1,5	140	28	20	16	Ø 25,5 mm	0 5154050001 00
MF 30	1,5	150	28	22	18	Ø 28,5 mm	0 5154052001 00
MF 20	2	140	34	16	12	Ø 18,0 mm	0 5154066001 00
MF 24	2	140	28	18	14,5	Ø 22,0 mm	0 5154068001 00
MF 27	2	140	28	20	16	Ø 25,0 mm	0 5154069001 00
MF 30	2	150	28	22	18	Ø 28,0 mm	0 5154070001 00

D Maschinengewindebohrer
spiral-genutet, für
metrisches ISO-Feingewinde
DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

E Machine taps
spiral fluted, for metric ISO
fine threads DIN 13

Range of application:

For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys [short chipping] and aluminium alloys [< 10% Si].

I Maschi a macchina
scanalature diritte, per
filettatura metrica ISO fine,
DIN 13

Impiego:

Per fori ciechi, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame [a truciolo corto], leghe di alluminio [< 10% Si].



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5174 Art.-Nr.
MF 4	0,5	63	6	2,8	2,1	Ø 3,5 mm	0 5174009001 00
MF 5	0,5	70	7	3,5	2,7	Ø 4,5 mm	0 5174011001 00
MF 6	0,5	80	8	4,5	3,4	Ø 5,5 mm	0 5174013001 00
MF 6	0,75	80	8	4,5	3,4	Ø 5,2 mm	0 5174015001 00
MF 8	0,75	80	10	6	4,9	Ø 7,2 mm	0 5174017001 00
MF 8	1	90	10	6	4,9	Ø 7,0 mm	0 5174022001 00
MF 10	1	90	12	7	5,5	Ø 9,0 mm	0 5174024001 00
MF 12	1	100	14	9	7	Ø 11,0 mm	0 5174026001 00
MF 14	1	100	16	11	9	Ø 13,0 mm	0 5174028001 00
MF 16	1	100	16	12	9	Ø 15,0 mm	0 5174029001 00
MF 18	1	110	20	14	11	Ø 17,0 mm	0 5174030001 00
MF 20	1	125	20	16	12	Ø 19,0 mm	0 5174031001 00
MF 22	1	125	20	18	14,5	Ø 21,0 mm	0 5174032001 00
MF 24	1	140	24	18	14,5	Ø 23,0 mm	0 5174033001 00
MF 12	1,25	100	14	9	7	Ø 10,8 mm	0 5174038001 00
MF 14	1,25	100	16	11	9	Ø 12,8 mm	0 5174039001 00
MF 12	1,5	100	14	9	7	Ø 10,5 mm	0 5174040001 00
MF 14	1,5	100	16	11	9	Ø 12,5 mm	0 5174041001 00
MF 16	1,5	100	16	12	9	Ø 14,5 mm	0 5174043001 00
MF 18	1,5	110	20	14	11	Ø 16,5 mm	0 5174044001 00
MF 20	1,5	125	20	16	12	Ø 18,5 mm	0 5174045001 00
MF 22	1,5	125	20	18	14,5	Ø 20,5 mm	0 5174046001 00
MF 24	1,5	140	24	18	14,5	Ø 22,5 mm	0 5174047001 00
MF 27	1,5	140	24	20	16	Ø 25,5 mm	0 5174050001 00
MF 30	1,5	150	28	22	18	Ø 28,5 mm	0 5174052001 00
MF 20	2	140	20	16	12	Ø 18,0 mm	0 5174066001 00
MF 24	2	140	24	18	14,5	Ø 22,0 mm	0 5174068001 00
MF 27	2	140	24	20	16	Ø 25,0 mm	0 5174069001 00
MF 30	2	150	28	22	18	Ø 28,0 mm	0 5174070001 00

D Maschinengewindebohrer

gerade genutet, für
Whitworth-Rohrgewinde
DIN ISO 228

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für
legierte und unlegierte Stähle bis ca.
600 N/mm² sowie Kupfer-Legierungen
(kurzspanend) und Aluminium-Legierungen (<
10% Si).

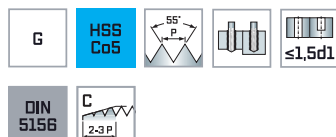
	
< 400 N/mm ²	< 850 N/mm ²
10 - 20	10 - 15
	
Cu, Ms	Al
10 - 15	15 - 25

v_c [m/min]**E Machine taps**

straight fluted, for whitworth
pipe threads DIN ISO 228

Range of application:

For through hole and blind hole threads, suitable
for alloyed and unalloyed steels up to appr.
600 N/mm² as well as copper alloys (short chip-
ping) and aluminium alloys (< 10% Si).

**I Maschi a macchina**

scanalature diritte, per
filettatura whitworth per tubi,
DIN ISO 228

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati
e non legati con R fino a 600 N/mm², leghe di rame (a
truciolo corto), leghe di alluminio (< 10% Si).



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4905 Art.-Nr.
G 1/8"	28	90	20	7	5,5	Ø 8,8 mm	0 4905016001 00
G 1/4"	19	100	22	11	9	Ø 11,8 mm	0 4905020001 00
G 3/8"	19	100	22	12	9	Ø 15,25 mm	0 4905024001 00
G 1/2"	14	125	25	16	12	Ø 19,0 mm	0 4905028001 00
G 5/8"	14	125	25	18	14,5	Ø 21,0 mm	0 4905032001 00
G 3/4"	14	140	28	20	16	Ø 24,5 mm	0 4905034001 00
G 7/8"	14	150	28	22	18	Ø 28,25 mm	0 4905036001 00
G 1"	11	160	30	25	20	Ø 30,75 mm	0 4905038001 00

D Maschinengewindebohrer

gerade genutet, für
Whitworth-Rohrgewinde
DIN ISO 228

Einsatzbereich:

Maschinengewindebohrer für
Durchgangsgewinde, geeignet für legierte und
unlegierte Stähle bis ca. 600 N/mm² sowie Kup-
fer-Legierungen (kurzspanend) und Aluminium-
Legierungen (< 10% Si).

 < 600 N/mm ² 10 - 20	 < 850 N/mm ² 10 - 15
 Cu, Ms 10 - 15	 Al 15 - 25

E Machine taps

straight fluted, for whitworth
pipe threads DIN ISO 228

Range of application:

Machine taps for through hole threads, suitable
for alloyed and unalloyed steels up to appr.
600 N/mm² as well as copper alloys (short chip-
ping) and aluminium alloys (< 10% Si).



I Maschi a macchina

scanalature diritte, per
filettatura whitworth per tubi,
DIN ISO 228

Impiego:

Maschi a macchina per fori passanti, adatti per acciai
legati e non legati con R fino a 600 N/mm², leghe di
rame (a truciolo corto), leghe di alluminio (< 10% Si).



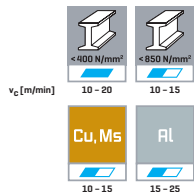
d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 mm	a _{H12} mm		Code 5204 Art.-Nr.
G 1/8"	28	90	20	7	5,5	Ø 8,8 mm	0 5204016001 00
G 1/4"	19	100	22	11	9	Ø 11,8 mm	0 5204020001 00
G 3/8"	19	100	22	12	9	Ø 15,25 mm	0 5204024001 00
G 1/2"	14	125	25	16	12	Ø 19,0 mm	0 5204028001 00
G 5/8"	14	125	25	18	14,5	Ø 21,0 mm	0 5204032001 00
G 3/4"	14	140	28	20	16	Ø 24,5 mm	0 5204034001 00
G 7/8"	14	150	28	22	18	Ø 28,25 mm	0 5204036001 00
G 1"	11	160	30	25	20	Ø 30,75 mm	0 5204038001 00

D Maschinengewindebohrer

spiral genutet, für
Whitworth-Rohrgewinde
DIN ISO 228

Einsatzbereich:

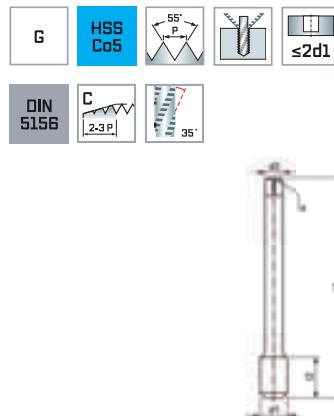
Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

**E Machine taps**

spiral fluted, for whitworth
pipe threads DIN ISO 228

Range of application:

For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

**I Maschi a macchina**

scanalature diritte, per
filettatura whitworth per tubi,
DIN ISO 228

Impiego:

Per fori ciechi, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 mm	ah12 mm		Code 5055 Art.-Nr.
G 1/8"	28	90	20	7	5,5	Ø 8,8 mm	0 5055016001 00
G 1/4"	19	100	22	11	9	Ø 11,8 mm	0 5055020001 00
G 3/8"	19	100	22	12	9	Ø 15,25 mm	0 5055024001 00
G 1/2"	14	125	25	16	12	Ø 19,0 mm	0 5055028001 00
G 5/8"	14	125	25	18	14,5	Ø 21,0 mm	0 5055032001 00
G 3/4"	14	140	28	20	16	Ø 24,5 mm	0 5055034001 00
G 7/8"	14	150	28	22	18	Ø 28,25 mm	0 5055036001 00
G 1"	11	160	30	25	20	Ø 30,75 mm	0 5055038001 00

D Maschinengewindebohrer

gerade genutet, für
Whitworth-Gewinde BSW,
DIN 11

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

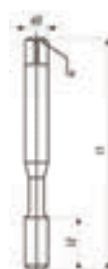
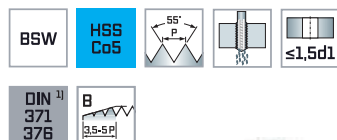
	
< 600 N/mm ²	< 850 N/mm ²
10 - 20	10 - 15
	
Cu, Ms	Al
10 - 15	15 - 25

E Machine taps

straight fluted, for whitworth
threads BSW, DIN 11

Range of application:

Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).



I Maschi a macchina

scanalature diritte, per
filettatura whitworth BSW,
DIN 11

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5207 Art.-Nr.
W 1/8"	40	56	11	3,5	2,7	Ø 2,5 mm	0 5207016001 00
W 5/32"	32	63	13	4,5	3,4	Ø 3,2 mm	0 5207017001 00
W 3/16"	24	70	15	6	4,9	Ø 3,6 mm	0 5207018001 00
W 1/4"	20	80	17	7	5,5	Ø 5,1 mm	0 5207020001 00
W 5/16"	18	90	20	8	6,2	Ø 6,5 mm	0 5207022001 00
W 3/8"	16	100	22	9	7	Ø 7,9 mm	0 5207024001 00
W 7/16"	14	100	22	11	9	Ø 9,2 mm	0 5207026001 00
W 1/2"	12	110	25	12	9	Ø 10,5 mm	0 5207028001 00
W 9/16"	12	110	26	11	9	Ø 12,0 mm	0 5207030001 00
W 5/8"	11	110	27	12	9	Ø 13,25 mm	0 5207032001 00
W 3/4"	10	125	30	14	11	Ø 16,25 mm	0 5207034001 00
W 7/8"	9	140	32	18	14,5	Ø 19,25 mm	0 5207036001 00
W 1"	8	160	36	20	16	Ø 22,0 mm	0 5207038001 00

⁽¹⁾ DIN 371 ≤ W 1/8"-W 1/2"
DIN 376 ≥ W 9/16"-W 1"

D Maschinengewindebohrer

gerade genutet, für
Unified Grobgewinde UNC
ANSI B 1.1

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

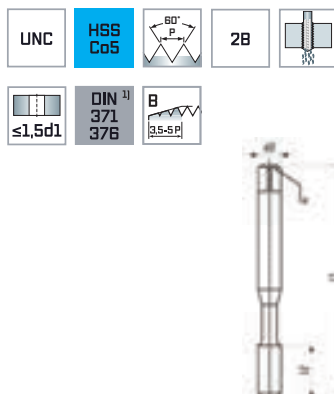
	
< 400 N/mm ²	< 850 N/mm ²
10 - 20	10 - 15
	
Cu, Ms	Al
10 - 15	15 - 25

E Machine taps

straight fluted, for unified
coarse threads UNC
ANSI B 1.1

Range of application:

Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

**I Maschi a macchina**

scanalature diritte, per
filettatura americana UNC
grossa ANSI B 1.1

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si)



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5205/5215 Art.-Nr.
5	40	56	11	3,5	2,7	Ø 2,6 mm	0 5205005001 00
6	32	56	12	4	3	Ø 2,8 mm	0 5205006001 00
8	32	63	13	4,5	3,4	Ø 3,5 mm	0 5205008001 00
10	24	70	16	6	4,9	Ø 3,9 mm	0 5205010001 00
12	24	80	17	6	4,9	Ø 4,5 mm	0 5205012001 00
1/4"	20	80	19	7	5,2	Ø 5,2 mm	0 5205020001 00
5/16"	18	90	22	8	6,2	Ø 6,6 mm	0 5205022001 00
3/8"	16	90	22	9	7	Ø 8,0 mm	0 5205024001 00
7/16"	14	100	24	8	6,2	Ø 9,4 mm	0 5215026001 00
1/2"	13	110	28	9	7	Ø 10,75 mm	0 5215028001 00
9/16"	12	110	30	11	9	Ø 12,25 mm	0 5215030001 00
5/8"	11	110	32	12	9	Ø 13,5 mm	0 5215032001 00
3/4"	10	125	34	14	11	Ø 16,5 mm	0 5215034001 00
7/8"	9	140	34	18	14,5	Ø 19,5 mm	0 5215038001 00
1"	8	160	38	18	14,5	Ø 22,25 mm	0 5215042001 00
1 1/8"	7	180	45	22	18	Ø 25,0 mm	0 5215046001 00

⁽¹⁾ DIN 371 ≤ 5-40 — 3/8"-16
DIN 376 ≥ 7/16-14" — 1 1/8"-7

D Maschinengewindebohrer

gerade genutet, für
Unified Feingewinde UNF
ANSI B 1.1

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt
für Durchgangsgewinde, geeignet für legi-
erte und unlegierte Stähle bis ca. 600 N/mm²
sowie Kupfer-Legierungen (kurzspanend) und
Aluminium-Legierungen (< 10% Si).

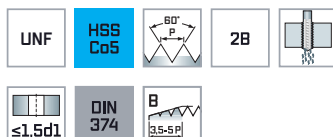
	
< 600 N/mm ²	< 850 N/mm ²
10 - 20	10 - 15
	
Cu, Ms	Al
10 - 15	15 - 25

E Machine taps

straight fluted, for unified
fine threads UNF ANSI B 1.1

Range of application:

Machine taps with spiral point for through hole
threads, suitable for alloyed and unalloyed steels
up to appr. 600 N/mm² as well as copper alloys
(short chipping) and aluminium alloys (< 10% Si).



I Maschi a macchina

scanalature diritte, per
filettatura americana UNf fine
ANSI B 1.1

Impiego:

Maschi a macchina, imbocco coretto per fori pas-
santi, adatti per acciai legati e non legati con R fino a
600 N/mm², leghe di rame (a truciolo corto), leghe di
alluminio (< 10% Si).



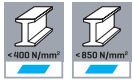
d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5206 Art.-Nr.
5	44	56	11	2,2	-	Ø 2,7 mm	0 5206005001 00
6	40	56	12	2,5	2,1	Ø 3,0 mm	0 5206006001 00
8	36	63	13	2,8	2,1	Ø 3,5 mm	0 5206008001 00
10	32	70	16	3,5	2,7	Ø 4,1 mm	0 5206010001 00
12	28	80	17	4	3	Ø 4,7 mm	0 5206012001 00
1/4"	28	80	19	4,5	3,4	Ø 5,5 mm	0 5206020001 00
5/16"	24	90	22	6	4,9	Ø 6,9 mm	0 5206022001 00
3/8"	24	90	20	7	5,5	Ø 8,5 mm	0 5206024001 00
7/16"	20	100	24	8	6,2	Ø 9,9 mm	0 5206026001 00
1/2"	20	100	22	9	7	Ø 11,5 mm	0 5206028001 00
9/16"	18	100	22	11	9	Ø 12,9 mm	0 5206030001 00
5/8"	18	100	22	12	9	Ø 14,5 mm	0 5206032001 00
3/4"	16	110	25	14	11	Ø 17,5 mm	0 5206034001 00
7/8"	14	125	25	18	14,5	Ø 20,5 mm	0 5206036001 00
1"	12	125	25	18	14,5	Ø 23,25 mm	0 5206038001 00
1 1/8"	12	150	28	22	18	Ø 26,5 mm	0 5206040001 00

D Handgewindebohrer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.

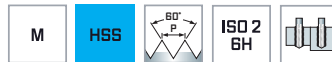


E Hand taps

straight fluted, for metric
ISO-threads
DIN 13

Range of application:

For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.



D NR. 1: Vorschneider
NR. 2: Mittelschneider
NR. 3: Fertigschneider

E NR. 1: Pilot cutter
NR. 2: Middle cutter
NR. 3: Finishing cutter

I NR. 1: Sbozzatore
NR. 2: Intermedio
NR. 3: Finitore



I Maschi a mano

scanalature diritte, per
filettatura metrica ISO,
DIN 13

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4503 / Set* Art.-Nr.	Code 4503/Nr.1 Art.-Nr.	Code 4503/Nr. 2 Art.-Nr.	Code 4503/Nr. 3 Art.-Nr.
M 2	0,4	36	8	2,8	2,1	Ø 1,6 mm	0 4503008001 00	0 4503008101 00	0 4503008201 00	0 4503008301 00
M 2,2	0,45	36	9	2,8	2,1	Ø 1,75 mm	0 4503009001 00	0 4503009101 00	0 4503009201 00	0 4503009301 00
M 2,3	0,4	36	9	2,8	2,8	Ø 1,9 mm	0 4503010001 00	0 4503010101 00	0 4503010201 00	0 4503010301 00
M 2,5	0,45	40	9	2,8	2,1	Ø 2,05 mm	0 4503011001 00	0 4503011101 00	0 4503011201 00	0 4503011301 00
M 2,6	0,45	40	9	2,8	2,1	Ø 2,1 mm	0 4503012001 00	0 4503012101 00	0 4503012201 00	0 4503012301 00
M 3	0,5	40	11	3,5	2,7	Ø 2,5 mm	0 4503013001 00	0 4503013101 00	0 4503013201 00	0 4503013301 00
M 3,5	0,6	45	13	4	3	Ø 2,9 mm	0 4503014001 00	0 4503014101 00	0 4503014201 00	0 4503014301 00
M 4	0,7	45	13	4,5	3,4	Ø 3,3 mm	0 4503015001 00	0 4503015101 00	0 4503015201 00	0 4503015301 00
M 4,5	0,75	50	16	6	4,9	Ø 3,7 mm	0 4503016001 00	0 4503016101 00	0 4503016201 00	0 4503016301 00
M 5	0,8	50	16	6	4,9	Ø 4,2 mm	0 4503017001 00	0 4503017101 00	0 4503017201 00	0 4503017301 00
M 6	1	50	19	6	4,9	Ø 5,0 mm	0 4503019001 00	0 4503019101 00	0 4503019201 00	0 4503019301 00
M 7	1	50	19	6	4,9	Ø 6,0 mm	0 4503020001 00	0 4503020101 00	0 4503020201 00	0 4503020301 00
M 8	1,25	56	22	6	4,9	Ø 6,8 mm	0 4503021001 00	0 4503021101 00	0 4503021201 00	0 4503021301 00
M 9	1,25	63	22	7	5,5	Ø 7,8 mm	0 4503022001 00	0 4503022101 00	0 4503022201 00	0 4503022301 00
M 10	1,5	70	24	7	5,5	Ø 8,5 mm	0 4503023001 00	0 4503023101 00	0 4503023201 00	0 4503023301 00
M 11	1,5	70	24	8	6,2	Ø 9,5 mm	0 4503024001 00	0 4503024101 00	0 4503024201 00	0 4503024301 00
M 12	1,75	75	29	9	7	Ø 10,2 mm	0 4503025001 00	0 4503025101 00	0 4503025201 00	0 4503025301 00
M 14	2	80	30	11	9	Ø 12,0 mm	0 4503026001 00	0 4503026101 00	0 4503026201 00	0 4503026301 00
M 16	2	80	32	12	9	Ø 14,0 mm	0 4503027001 00	0 4503027101 00	0 4503027201 00	0 4503027301 00
M 18	2,5	95	40	14	11	Ø 15,5 mm	0 4503028001 00	0 4503028101 00	0 4503028201 00	0 4503028301 00
M 20	2,5	95	40	16	12	Ø 17,5 mm	0 4503029001 00	0 4503029101 00	0 4503029201 00	0 4503029301 00
M 22	2,5	100	40	18	14,5	Ø 19,5 mm	0 4503030001 00	0 4503030101 00	0 4503030201 00	0 4503030301 00
M 24	3	110	50	18	14,5	Ø 21,0 mm	0 4503031001 00	0 4503031101 00	0 4503031201 00	0 4503031301 00
M 27	3	110	50	20	16	Ø 24,0 mm	0 4503032001 00	0 4503032101 00	0 4503032201 00	0 4503032301 00
M 30	3,5	125	56	22	18	Ø 26,5 mm	0 4503033001 00	0 4503033101 00	0 4503033201 00	0 4503033301 00

* Satz bestehend aus je 1 Stk. Vor-, Mittel- und Fertigschneider

* Set consisting 1 pc. each pilot, middle and finishing cutter

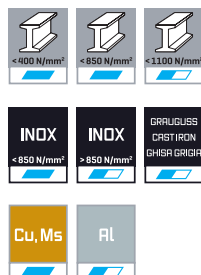
* Serie composta di 1 sbazzatore, 1 intermedio, 1 finitore

D Handgewindebohrer

gerade genutet, für
metrisches ISO-Gewinde
DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie legierte und unlegierte Stähle bis ca. 1.000 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.



E Hand taps

straight fluted, for metric
ISO-threads
DIN 13

Range of application:

For through hole and blind hole threads, especially suitable for stainless and acid-resistant steels as well as alloyed and unalloyed steels up to appr. 1.000 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.



D NR. 1: Vorschneider
NR. 2: Mittelschneider
NR. 3: Fertigschneider

E NR. 1: Pilot cutter
NR. 2: Middle cutter
NR. 3: Finishing cutter

I NR. 1: Sbozzatore
NR. 2: Intermedio
NR. 3: Finitore



I Maschi a mano

scanalature diritte, per
filettatura metrica ISO,
DIN 13

Impiego:

Per fori passanti e fori ciechi, particolarmente adatti per acciai inossidabili, acciai resistenti agli acidi, acciai legati e non legati con R fino a 1.000 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.



d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4523 / Set* Art.-Nr.	Code 4523/Nr.1 Art.-Nr.	Code 4523/Nr. 2 Art.-Nr.	Code 4523/Nr. 3 Art.-Nr.
M 3	0,5	40	12	3,5	2,7	Ø 2,5 mm	0 4523013001 00	04523013101 00	0 4523013201 00	0 4523013301 00
M 4	0,7	45	14	4,5	3,4	Ø 3,3 mm	0 4523015001 00	04523015101 00	0 4523015201 00	0 4523015301 00
M 5	0,8	50	16	6	4,9	Ø 4,2 mm	0 4523017001 00	04523017101 00	0 4523017201 00	0 4523017301 00
M 6	1	50	18	6	4,9	Ø 5,0 mm	0 4523019001 00	04523019101 00	0 4523019201 00	0 4523019301 00
M 8	1,25	56	18	6	4,9	Ø 6,8 mm	0 4523021001 00	04523021101 00	0 4523021201 00	0 4523021301 00
M 10	1,5	70	23	7	5,5	Ø 8,5 mm	0 4523023001 00	04523023101 00	0 4523023201 00	0 4523023301 00
M 12	1,75	75	28	9	7	Ø 10,2 mm	0 4523025001 00	04523025101 00	0 4523025201 00	0 4523025301 00
M 14	2	80	30	11	9	Ø 12,0 mm	0 4523026001 00	04523026101 00	0 4523026201 00	0 4523026301 00
M 16	2	80	30	12	9	Ø 14,0 mm	0 4523027001 00	04523027101 00	0 4523027201 00	0 4523027301 00
M 18	2,5	95	35	14	11	Ø 15,5 mm	0 4523028001 00	04523028101 00	0 4523028201 00	0 4523028301 00
M 20	2,5	95	35	16	12	Ø 17,5 mm	0 4523029001 00	04523029101 00	0 4523029201 00	0 4523029301 00

* Satz bestehend aus je 1 Stk. Vor-, Mittel- und Fertigschneider

* Set consisting 1 pc. each pilot, middle and finishing cutter

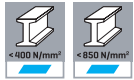
* Serie composta di 1 sbazzatore, 1 intermedio, 1 finitore

D Handgewindebohrer

gerade genutet, für
metrisches ISO-Feingewinde
DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.



E Hand taps

straight fluted, for metric
ISO fine threads
DIN 13

Range of application:

For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.



- D** NR. 1: Vorschneider
NR. 2: Fertigschneider
- E** NR. 1: Pilot cutter
NR. 2: Finishing cutter
- I** NR. 1: Sbozzatore
NR. 2: Finitore

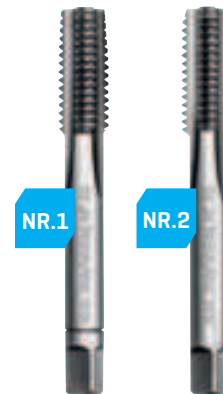


I Maschi a mano

scanalature diritte, per
filettatura metrica ISO fine,
DIN 13

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.



d1 mm	P mm	l1 mm	l2 mm	d2 mm	ah12 mm		Code 4533 / Set* Art.-Nr.
MF 3	0,35	40	9	3,5	2,7	Ø 2,65 mm	0 4533006001 00
MF 4	0,35	45	10	4,5	3,4	Ø 3,65 mm	0 4533008001 00
MF 4	0,5	45	10	4,5	3,4	Ø 3,5 mm	0 4533009001 00
MF 5	0,5	50	12	6	4,9	Ø 4,5 mm	0 4533011001 00
MF 6	0,5	50	14	6	4,9	Ø 5,5 mm	0 4533013001 00
MF 6	0,75	50	14	6	4,9	Ø 5,2 mm	0 4533015001 00
MF 8	0,75	50	19	6	4,9	Ø 7,2 mm	0 4533017001 00
MF 10	0,75	63	20	7	5,5	Ø 9,2 mm	0 4533019001 00
MF 14	0,75	70	16	11	9	Ø 13,0 mm	0 4533021001 00
MF 8	1	56	22	6	4,9	Ø 7,0 mm	0 4533022001 00
MF 10	1	63	20	7	5,5	Ø 9,0 mm	0 4533024001 00
MF 12	1	70	22	9	7	Ø 11,0 mm	0 4533026001 00
MF 14	1	70	22	11	9	Ø 13,0 mm	0 4533027001 00
MF 16	1	70	22	12	9	Ø 15,0 mm	0 4533029001 00
MF 18	1	80	22	14	11	Ø 17,0 mm	0 4533030001 00
MF 20	1	80	22	16	12	Ø 19,0 mm	0 4533031001 00
MF 22	1	80	22	18	14,5	Ø 21,0 mm	0 4533032001 00
MF 10	1,25	70	24	7	5,5	Ø 8,8 mm	0 4533037001 00
MF 12	1,25	70	22	9	7	Ø 10,8 mm	0 4533038001 00
MF 14	1,25	70	22	11	9	Ø 12,8 mm	0 4533039001 00
MF 12	1,5	70	22	9	7	Ø 10,5 mm	0 4533040001 00
MF 14	1,5	70	22	11	9	Ø 12,5 mm	0 4533041001 00
MF 16	1,5	70	22	12	9	Ø 14,5 mm	0 4533043001 00
MF 18	1,5	80	22	14	11	Ø 16,5 mm	0 4533044001 00
MF 20	1,5	80	22	16	12	Ø 18,5 mm	0 4533045001 00
MF 22	1,5	80	22	18	14,5	Ø 20,5 mm	0 4533046001 00

* Satz bestehend aus je 1 Stk. Vor- und Fertigschneider

* Set consisting 1 pc. each pilot and finishing cutter

* Serie composta di 1 sbazzatore, 1 finitore

D Handgewindebohrer gerade genutet, für Whitworth-Rohrgewinde DIN ISO 228

Einsatzbereich:

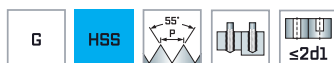
Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.



E Hand taps straight fluted, for whitworth pipe threads DIN ISO 228

Range of application:

For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.



D NR. 1: Vorschneider
NR. 2: Fertigschneider

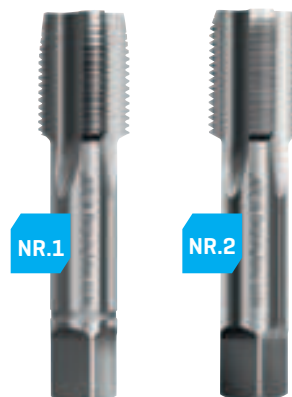
E NR. 1: Pilot cutter
NR. 2: Finishing cutter

I NR. 1: Sbozzatore
NR. 2: Finitore

I Maschi a mano scanalature diritte, per filettatura whitworth per tubi DIN ISO 228

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 mm	ah12 mm		Code 4573/ Set* Art.-Nr.	Code 4573/Nr. 1 Art.-Nr.	Code 4573/Nr. 2 Art.-Nr.
G 1/8"	28	63	20	7	5,5	Ø 8,8 mm	0 4573016001 00	0 4573016101 00	0 4573016201 00
G 1/4"	19	70	22	11	9	Ø 11,8 mm	0 4573020001 00	0 4573020101 00	0 4573020201 00
G 3/8"	19	70	22	12	9	Ø 15,25 mm	0 4573024001 00	0 4573024101 00	0 4573024201 00
G 1/2"	14	80	22	16	12	Ø 19,0 mm	0 4573028001 00	0 4573028101 00	0 4573028201 00
G 5/8"	14	80	22	18	14,5	Ø 21,0 mm	0 4573032001 00	0 4573032101 00	0 4573032201 00
G 3/4"	14	90	22	20	16	Ø 24,5 mm	0 4573034001 00	0 4573034101 00	0 4573034201 00
G 7/8"	14	90	22	22	18	Ø 28,25 mm	0 4573036001 00	0 4573036101 00	0 4573036201 00
G 1"	11	100	25	20	20	Ø 30,75 mm	0 4573038001 00	0 4573038101 00	0 4573038201 00

* Satz bestehend aus je 1 Stk. Vor- und Fertigschneider

* Set consisting 1 pc. each pilot and finishing cutter

* Serie composta di 1 sbozzatore, 1 finitore

D Schneideisenfür metrisches ISO-Gewinde
DIN 13

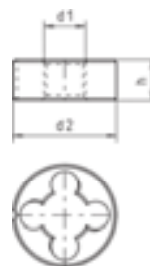
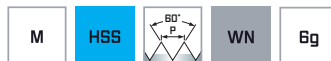
Schneideisen mit Schälanschnitt.

E Diesfor metric ISO-threads
DIN 13

Dies with spiral point.

I Filiereper filettatura metrica ISO,
DIN 13

Filiere, imbocco corretto.



d1 mm	P mm	d2 mm	h mm	Code 5553 Art.-Nr.
M 2	0,4	16	5	0 5553002001 00
M 2,2	0,45	16	5	0 5553002201 00
M 2,3	0,4	16	5	0 5553002301 00
M 2,5	0,45	16	5	0 5553002501 00
M 2,6	0,45	16	5	0 5553002601 00
M 3	0,5	20	5	0 5553003001 00
M 3,5	0,6	20	5	0 5553003501 00
M 4	0,7	20	5	0 5553004001 00
M 4,5	0,75	20	7	0 5553004501 00
M 5	0,8	20	7	0 5553005001 00
M 6	1	20	7	0 5553006001 00
M 7	1	25	9	0 5553007001 00
M 8	1,25	25	9	0 5553008001 00
M 9	1,25	25	9	0 5553009001 00
M 10	1,5	30	11	0 5553010001 00
M 11	1,5	30	11	0 5553011001 00
M 12	1,75	38	14	0 5553012001 00
M 14	2	38	14	0 5553014001 00
M 16	2	45	18	0 5553016001 00
M 18	2,5	45	18	0 5553018001 00
M 20	2,5	45	18	0 5553020001 00
M 22	2,5	55	22	0 5553022001 00
M 24	3	55	22	0 5553024001 00
M 27	3	65	25	0 5553027001 00
M 30	3,5	65	25	0 5553030001 00

D Schneideisen

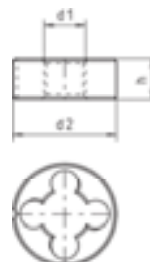
für metrisches ISO-Gewinde
DIN 13, links

E Dies

for metric ISO-threads
DIN 13, left hand

I Filiere

per filettatura metrica ISO,
DIN 13, filettatura sinistra



d1 mm	P mm	d2 mm	h mm	Code 5554 Art.-Nr.
M 3	0,5	20	5	0 5554003001 00
M 3,5	0,6	20	5	0 5554003501 00
M 4	0,7	20	5	0 5554004001 00
M 4,5	0,75	20	7	0 5554004501 00
M 5	0,8	20	7	0 5554005001 00
M 6	1	20	7	0 5554006001 00
M 8	1,25	25	9	0 5554008001 00
M 9	1,25	25	9	0 5554009001 00
M 10	1,5	30	11	0 5554010001 00
M 12	1,75	38	14	0 5554012001 00
M 14	2	38	14	0 5554014001 00
M 16	2	45	18	0 5554016001 00
M 18	2,5	45	18	0 5554018001 00
M 20	2,5	45	18	0 5554020001 00
M 22	2,5	55	22	0 5554022001 00
M 24	3	55	22	0 5554024001 00

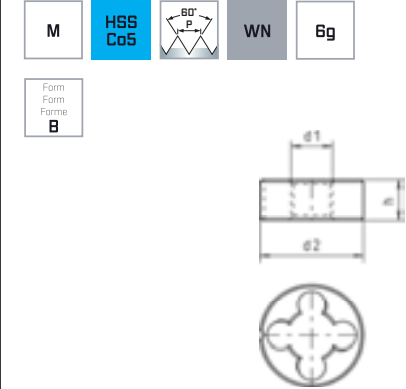
D HSS-Cobalt Schneideisen
für metrisches ISO-Gewinde
DIN 13

Schneideisen mit Schälanschnitt, speziell für rostfreie Stähle.



E HSS-Cobalt dies
for metric ISO-threads
DIN 13

Dies with spiral point, especially for stainless steels.



I Filiere HSS-Cobalto
per filettatura metrica ISO,
DIN 13

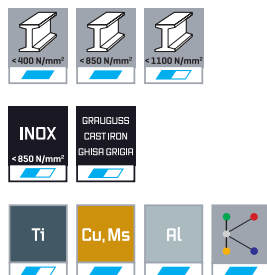
Filiere, imbocco corretto, particolarmente adatte per acciai inossidabili.



d1 mm	P mm	d2 mm	h mm	Code 5555 Art.-Nr.
M 2	0,4	16	5	0 5555002001 00
M 3	0,5	20	5	0 5555003001 00
M 4	0,7	20	5	0 5555004001 00
M 5	0,8	20	7	0 5555005001 00
M 6	1	20	7	0 5555006001 00
M 8	1,25	25	9	0 5555008001 00
M 10	1,5	30	11	0 5555010001 00
M 12	1,75	38	14	0 5555012001 00
M 14	2	38	14	0 5555014001 00
M 16	2	45	18	0 5555016001 00
M 18	2,5	45	18	0 5555018001 00
M 20	2,5	45	18	0 5555020001 00

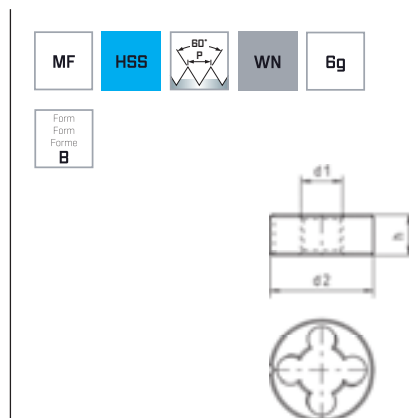
D Schneideisen
für metrisches ISO-
Feingewinde DIN 13

Schneideisen mit Schälanschnitt.



E Dies
for metic ISO fine threads
DIN 13

Dies with spiral point.



I Filiere
per filettatura metrica ISO fine,
DIN 13

Filiere, imbocco corretto.



d1 mm	P mm	d2 mm	h mm	Code 5613 Art.-Nr.
MF 4	0,5	20	5	0 5613009001 00
MF 5	0,5	20	5	0 5613011001 00
MF 6	0,5	20	5	0 5613013001 00
MF 8	0,5	25	9	0 5613014001 00
MF 6	0,75	20	7	0 5613015001 00
MF 8	0,75	25	9	0 5613017001 00
MF 10	0,75	30	11	0 5613019001 00
MF 8	1	25	9	0 5613022001 00
MF 9	1	25	9	0 5613023001 00
MF 10	1	30	11	0 5613024001 00
MF 11	1	30	11	0 5613025001 00
MF 12	1	38	10	0 5613026001 00
MF 14	1	38	10	0 5613027001 00
MF 16	1	45	14	0 5613029001 00
MF 18	1	45	14	0 5613030001 00
MF 20	1	45	14	0 5613031001 00
MF 10	1,25	30	11	0 5613037001 00
MF 12	1,25	38	10	0 5613038001 00
MF 14	1,25	38	10	0 5613039001 00
MF 12	1,5	38	10	0 5613040001 00
MF 14	1,5	38	10	0 5613041001 00
MF 16	1,5	45	14	0 5613043001 00
MF 18	1,5	45	14	0 5613044001 00
MF 20	1,5	45	14	0 5613045001 00
MF 22	1,5	55	16	0 5613046001 00
MF 24	1,5	55	16	0 5613047001 00
MF 26	1,5	55	16	0 5613049001 00
MF 30	1,5	65	18	0 5613052001 00

D Schneideisen

für Whitworth-Rohrgewinde
DIN ISO 228

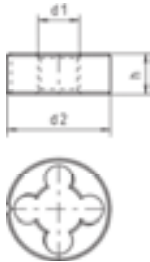
Schneideisen mit Schälanschnitt.



E Dies

for whitworth pipe threads
DIN ISO 228

Dies with spiral point.



I Filiere

per filettatura whitworth per
tubi DIN ISO 228

Filiere, imbocco corretto.

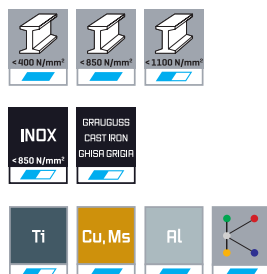


d1 inch	d1 mm	P Gg / 1"	d2 mm	h mm	Code 5673 Art.-Nr.
G 1/8"	9,73	28	30	11	0 5673016001 00
G 1/4"	13,16	19	38	10	0 5673020001 00
G 3/8"	16,66	19	45	14	0 5673024001 00
G 1/2"	20,96	14	45	14	0 5673028001 00
G 5/8"	22,91	14	55	16	0 5673032001 00
G 3/4"	26,44	14	55	16	0 5673034001 00
G 7/8"	30,20	14	65	18	0 5673036001 00
G 1"	33,25	11	65	18	0 5673038001 00

D Schneideisen

für Unified Grobgewinde UNC
ANSI B 1.1

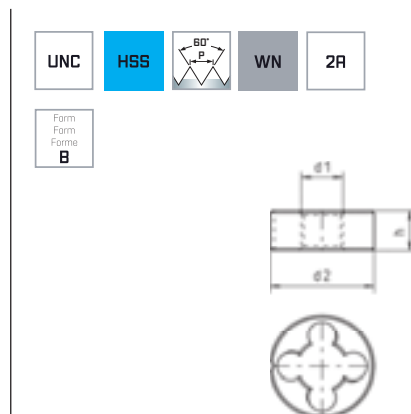
Schneideisen mit Schälanschnitt.



E Dies

for unified coarse threads
UNC ANSI B 1.1

Dies with spiral point.



I Filiere

per filettatura americana UNC
grossa ANSI B 1.1.

Filiere, imbocco corretto.



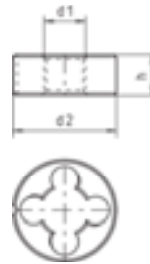
d1 inch	d1 mm	P Gg / 1"	d2 mm	h mm	Code 5753 Art.-Nr.
Nr. 1	1,85	64	16	5	0 5753001001 00
Nr. 2	2,18	56	16	5	0 5753002001 00
Nr. 3	2,52	48	16	5	0 5753003001 00
Nr. 4	2,85	40	16	5	0 5753004001 00
Nr. 5	3,18	40	20	5	0 5753005001 00
Nr. 6	3,51	32	20	7	0 5753006001 00
Nr. 8	4,17	32	20	7	0 5753008001 00
Nr. 10	4,83	24	20	7	0 5753010001 00
Nr. 12	5,49	24	20	7	0 5753012001 00
1/4"	6,35	20	20	7	0 5753020001 00
5/16"	7,94	18	25	9	0 5753022001 00
3/8"	9,53	16	30	11	0 5753024001 00
7/16"	11,11	14	30	11	0 5753026001 00
1/2"	12,7	13	38	14	0 5753028001 00
9/16"	14,29	12	38	14	0 5753030001 00
5/8"	15,88	11	45	18	0 5753032001 00
3/4"	19,05	10	45	18	0 5753034001 00
7/8"	22,23	9	55	22	0 5753036001 00
1"	25,4	8	55	22	0 5753038001 00

D Schneideisenfür Unified Feingwinde UNF
ANSI B 1.1

Schneideisen mit Schälanschnitt.

**E Dies**for unified fine threads UNF
ANSI B 1.1

Dies with spiral point.

**I Filiere**per filettatura americana UNF
fine ANSI B 1.1.

Filiere, imbocco corretto.



d1 inch	d1 mm	P Gg / 1"	d2 mm	h mm	Code 5773 Art.-Nr.
Nr. 1	1,85	72	16	5	0 5773001001 00
Nr. 2	2,18	64	16	5	0 5773002001 00
Nr. 3	2,52	56	16	5	0 5773003001 00
Nr. 4	2,85	48	16	5	0 5773004001 00
Nr. 5	3,18	44	20	5	0 5773005001 00
Nr. 6	3,51	40	20	5	0 5773006001 00
Nr. 8	4,17	36	20	7	0 5773008001 00
Nr. 10	4,83	32	20	7	0 5773010001 00
Nr. 12	5,49	28	20	7	0 5773012001 00
1/4"	6,35	28	20	7	0 5773020001 00
5/16"	7,94	24	25	9	0 5773022001 00
3/8"	9,53	24	30	11	0 5773024001 00
7/16"	11,11	20	30	11	0 5773026001 00
1/2"	12,7	20	38	10	0 5773028001 00
9/16"	14,29	18	38	10	0 5773030001 00
5/8"	15,88	18	45	14	0 5773032001 00
3/4"	19,05	16	45	14	0 5773034001 00
7/8"	22,23	14	55	16	0 5773036001 00
1"	25,4	12	55	16	0 5773038001 00
1 1/8"	28,58	12	65	18	0 5773040001 00

D Windeisen
verstellbar

E Tap wrenches
adjustable

I Giramaschio
regolabile

DIN
1814



Nr. No.	a ↔	l1 mm	Code 5430 Art.-Nr.	Code 712 Art.-Nr.
1	M1-M10	180	0 5430000101 00	
1 1/2"	M1-M12	180		0 0712000151 00
2	M4-M12	280	0 5430000201 00	
3	M5-M20	380	0 5430000301 00	
4	M11-M27	500	0 5430000401 00	
5	M14-M33	750	0 5430000501 00	

D Schneideisenhalter
für runde geschlitzte
Schneideisen ohne Kapsel

E Die stocks
for split round dies without
die insert

I Portafiliera
per filiere tonde

DIN EN
22568

DIN EN
24231



Nr. No.	d2 mm	h mm				Code 5440 Art.-Nr.
1	16	5	≤ M 2,6	M 2,6 x 0,25	3/32"	0 5440016501 00
2	20	5	≤ M 4	M 6 x 0,5	5/32"	0 5440020501 00
3	20	7	≤ M 6	M 6 x 0,75	1/4"	0 5440020701 00
4	25	9	≤ M 9	M 9 x 1	5/16"	0 5440025901 00
5	30	11	≤ M 11	M 11 x 1	7/16", G 1/8"	0 5440030101 00
6	38	10		M 15 x 1,5	G 1/4"	0 5440038101 00
7	38	14	≤ M 14		9/16"	0 5440038401 00
8	45	14		M 20 x 2	G 1/2"	0 5440045101 00
9	45	18	≤ M 20		13/16"	0 5440045801 00
10	55	16		M 26 x 2	G 3/4"	0 5440055101 00
11	55	22	≤ M 24		1"	0 5440055201 00
12	65	18	≤ MF 36	MF 36 x 2	G 1"	0 5440065101 00
13	65	25	≤ M 36	M 36 x 3	1 3/8"	0 5440065201 00

* Angaben von Schneideisen / Data of dies / Dati relativi alle filiere