

Create new
opportunities

Speedtap 4.0

maykestag

PERFORMANCE
IN PRECISION



2018

Create highest precision.



D

Österreichische Qualität bedeutet für uns, dass wir genau wissen und verstehen, welche Innovation den entscheidenden Vorteil für Sie bringt. In enger Zusammenarbeit mit unseren Kunden entstehen so Produkte, die maßgeschneidert und individuell auf Ihre Produktionsprozesse abgestimmt sind.

Speedtap 4.0 setzt neue Maßstäbe:

- Erhöhung der Produktivität und Wirtschaftlichkeit
- Kürzere Bearbeitungszeiten durch höhere Schnittgeschwindigkeiten
- Exzellente Verschleiß- und Biegebruchsicherheit
- Perfekte Spanbildung und konstante Spanabfuhr, kein Spänestau

E

For us Austrian quality means that we know and understand exactly what innovations give you the leading edge. In close cooperation with our customers products thus come about that are custom-built and individually adapted to your production processes.

Speedtap 4.0 sets new standards:

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

I

Qualità austriaca per noi significa sapere e comprendere esattamente quale innovazione porta il vantaggio decisivo per voi. In stretta collaborazione con i nostri clienti nascono così prodotti, fatti su misura e adattati individualmente ai vostri processi di produzione.

Speedtap 4.0 definisce nuovi standard:

- Aumento della produttività e della redditività
- Tempi ciclo ridotti grazie a più elevati parametri di taglio
- Eccellente resistenza all'usura e alla rottura per flessione
- Perfetta formazione del truciolo e costante rimozione, nessun accumulo di truciolo

Hohe Oberflächengüte und scharfe Schneidkanten

High surface quality and sharp cutting edges / Alta qualità delle superfici e taglienti affilati

Hohe Torsions- und Schneidkantenfestigkeit

High torsion and cutting edge resistance / Alta resistenza alla torsione e del bordo tagliente

Höchste Präzision

Highest precision / Alta precisione

Höchste Prozesssicherheit und Werkzeugstandzeit

Highest process security and tool life / Incredibile sicurezza di processo e durata

D TiN

- Die Titan-Nitrid Beschichtung zeigt sehr gute Gebrauchseigenschaften, welche als erprobte universelle Schicht eingesetzt wird.

VAPO

- Bei der vaporisierten Dampfbehandlung werden die Randzonen der Oberflächen verändert und verbessern das Reibverhalten der Werkzeuge.

TWINDUR

- Die Spezialbeschichtung ist eine Doppelbeschichtung für beste Ergebnisse in der Trocken- und Nassbearbeitung.

TiCN

- Die Titan-Carbonitrid Beschichtung hat eine hohe Verschleißfestigkeit und eignet sich hervorragend für abrasive Anwendungen.

HARDDUR

- Die Hartstoffbeschichtung liefert höhere Härtewerte bei gleichzeitig besserer thermischer Beständigkeit im Vergleich zu TiN und TiCN.

E TiN

- The titanium-nitride coating shows very good performance characteristics, which is used as a proven universal layer.

VAPO

- In the vaporized steam treatment, the edge zones of the surfaces are changed and improve the friction behavior of the tools.

TWINDUR

- The special coating is a double coating for best results in dry and wet machining.

TiCN

- The titanium carbonitride coating has a high wear resistance and is ideal for abrasive applications.

HARDDUR

- The hard coating provides higher hardness values with better thermal resistance compared to TiN and TiCN.

I TiN

- Il rivestimento nitruro di titanio evidenzia elevatissime caratteristiche di rendimento, a tal punto da essere riconosciuto come rivestimento universale di riferimento.

VAPO

- Con il trattamento di vaporizzazione le superfici delle aree dei taglienti si modificano portando ad un netto miglioramento del coefficiente d'attrito dell'utensile.

TWINDUR

- Il rivestimento speciale è a doppio strato per ottenere i migliori risultati nelle lavorazioni a secco e lubrorefrigerate.

TiCN

- Il rivestimento carbonitruro di titanio ha un'elevatissima resistenza all'usura ed è ideale per le applicazioni abrasive.

HARDDUR

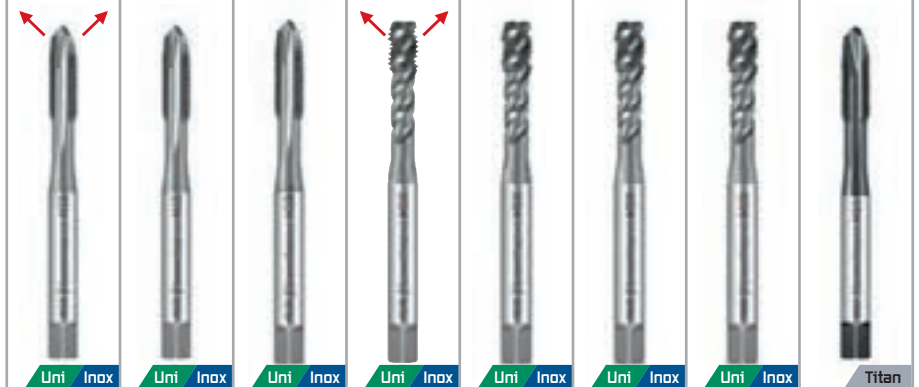
- Il rivestimento duro garantisce livelli di durezza più elevati e miglior resistenza ai carichi termici rispetto ai rivestimenti TiN e TiCN.

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E **Overview**
Machine taps
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I **Sommario**
Maschi a macchina
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Beschichtung / Coating / Rivestimente

TiN:
Titan-Nitrid
Titanium nitride
Nitruro di titanio

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

VAPQ:
Vaporisiert
Vaporized
Vaporizzato

TiCN:
Titan-Carbonitrid
Titanium carbonitride
Carbonitruro di titanio

HARDDUR:
Hartstoffbeschichtung
Hard surface coating
Rivestimento superficiale indurito

Norm / Standard	DIN 371 / 376							DIN 371
Gewindeart / Type of thread / Tipo di maschio	M	M	M	M	M	M	M	M
Lochart / Hole type / Tipo di fore								
Toleranz / Tolerance / Tolleranza	6HX	6HX	6GX	6HX	6HX	6GX	6HX	ISO2 6H
Anschnitt / Chamfer / Imbocco	B	B	B	C	C	C	E	B
Drallwinkel / Spiral angle / Anglio elica				50°	50°	50°	50°	
Schneidstoff / Cutting material / Acciaie	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM55
Beschichtung / Coating / Rivestimente	HARDDUR	HARDDUR	HARDDUR	HARDDUR	HARDDUR	HARDDUR	HARDDUR	VAPQ
Ø mm	M 6 - M 20	M 2 - M 30	M 3 - M 20	M 6 - M 20	M 2 - M 30	M 3 - M 20	M 3 - M 20	M 3 - M 10
Schneidenanzahl / No. of flutes / Nr. denti	3 - 4	3 - 4	3	3 - 4	3 - 4	3 - 4	3 - 4	3
Code / Codice	4618	4608	4628	4648	4638	4658	4668	4667
Seite / Page / Pagina	014	014	014	015	015	015	015	016

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






















































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I Sommario

Maschi a macchina
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Speedtap 4.0										
										
DIN 371			WN				DIN 374		WN	
M	M	M	M	M	M	M	MF	MF	MF	MF
										
ISO2 6H	ISO2 6H	ISO2 6H	6HX	6HX	6HX	6HX	6HX	6HX	6HX	6HX
C	B	C	D	C	D	C	B	C	C	D
15°		10°						50°		
HSSE-PM55	HSSE-PM55	HSSE-PM55	HSSE-PM105	HSSE-PM105	VHM	VHM	HSSE-PM	HSSE-PM	HSSE-PM105	VHM
VRPO			TiCN	TiCN	TiCN	TiCN	HARDOUR	HARDOUR	TiCN	TiCN
M 3 - M 10	M 3 - M 10	M 3 - M 10	M 3 - M 24	M 3 - M 24	M 3 - M 20	M 3 - M 20	MF 8 - MF 20	MF 8 - MF 20	MF 8 - MF 16	MF 8 - MF 20
3	3	3	4 - 5	4 - 5	4 - 6	4 - 6	3 - 4	3 - 5	5	5 - 6
4677	4704	4705	4607	4617	4645	4655	4609	4619	4617	4645
017	018	019	020	020	021	021	022	023	024	025
										
										
										
										
										
										
										
										
										
										
										
										
										

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Beschichtung / Coating / Rivestimente

TiN:
Titan-Nitrid
Titanium nitride
Nitruro di titanio

VARPO:
Vaporisiert
Vaporized
Vaporizzato

HARDDOUR:
Hartstoffbeschichtung
Hard surface coating
Rivestimento superficiale indurito

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

TiCN:
Titan-Carbonitrid
Titanium carbonitride
Carbonitruro di titanio

Speedtap 4.0



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 / Anglio elica			50°						
Schneidstoff / Cutting material / Acciaie	VHM	HSSE-PM	HSSE-PM	HSSE-PM105	VHM	VHM	HSSE-V3	HSSE-V3	
Beschichtung / Coating / Rivestimente	TiCN	HARDDOUR	HARDDOUR	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	
Schneidanzahl / 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	025	026	027	028	029	029	030	030	

Geeignet für / Suitable for / Adatte per

	Stähle < 400 N/mm² Steels < 400 N/mm² Acciai < 400 N/mm²								
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	Kunststoffe Plastics Materie plastiche								

D Übersicht


















































































Maschinengewindebohrer
Speedtap

E Overview

Machine taps
Speedtap

I Sommario

Maschi a macchina
Speedtap

Speedtap										
										
Uni	Uni	Uni Inox	Uni Inox	Uni Inox	Uni	Uni	Uni	Uni	Uni	Uni
DIN 376	DIN 376	DIN 371 / DIN 376			DIN 371	DIN 376	DIN 376	DIN 371	DIN 376	DIN 376
M	M	M	M	M	M	M	M	M	M	M
										
IS02 6H	IS02 6H	6HX	6HX	66X	IS02 6H	IS02 6H	IS02 6H	IS02 6H	IS02 6H	IS02 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
031	031	032	032	032	034	034	035	035	036	037
										
										
										
										
										
										
										
										
										
										
										
										
										

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Beschichtung / Coating / Rivestimente

TiN:
Titan-Nitrid
Titanium nitride
Nitruro di titanio

VARPO:
Vaporisiert
Vaporized
Vaporizzato

HARDDOUR:
Hartstoffbeschichtung
Hard surface coating
Rivestimento superficiale indurito

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

TiCN:
Titan-Carbonitrid
Titanium carbonitride
Carbonitruro di titanio



Norm / Standard	DIN 371	DIN 371 / DIN 376				DIN 371		
Gewindeart / Type of thread / Tipo di maschio	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
Anschnitt / Chamfer / Imbocco	C	C	C	E	C	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
Beschichtung / Coating / Rivestimente	TWINDOUR	HARDDOUR	HARDDOUR	HARDDOUR	HARDDOUR	VARPO	TiN	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
Schneidenzahl / No. of flutes / Nr. denti	3	3 - 4	3 - 4	3 - 4	3 - 4	2 - 3	3	3
Code / Codice	4666	4685/4695	4665/4675	4606/4616	4626/4636	4602	4622	4642
Seite / Page / Pagina	038	039	039	040	041	042	042	042

Geeignet für / Suitable for / Adatte per								
	Stähle < 400 N/mm ² Steels < 400 N/mm ² Acciai < 400 N/mm ²							
	Stähle < 850 N/mm ² Steels < 850 N/mm ² Acciai < 850 N/mm ²							
	Stähle < 1.100 N/mm ² Steels < 1.100 N/mm ² Acciai < 1.100 N/mm ²							
	Stähle < 1.300 N/mm ² Steels < 1.300 N/mm ² Acciai < 1.300 N/mm ²							
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	Titan- und Titanlegierung Titanium and titanium alloys Titanio e leghe di Titanio							
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	Aluminium Aluminium Alluminio							
	Kunststoffe Plastics Materie plastiche							

D Übersicht




































































































































Maschinengewindebohrer
Speedtap

E Overview

Machine taps
Speedtap

I Sommario

Maschi a macchina
Speedtap

Speedtap										
										
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
043	043	043	044	045	046	046	046	047	047	047
										
										
										
										
										
										
										
										
										
										
										

D **Übersicht**
Maschinengewindebohrer
Speedtap

E **Overview**
Machine taps
Speedtap

I **Sommario**
Maschi a macchina
Speedtap

Beschichtung / Coating / Rivestimente

TiN:
Titan-Nitrid
Titanium nitride
Nitruro di titanio

TiCN:
Titan-Carbonitrid
Titanium carbonitride
Carbonitruro di titanio

VARPO:
Vaporisiert
Vaporized
Vaporizzato

HARDDUR:
Hartstoffbeschichtung
Hard surface coating
Rivestimento superficiale indurito



Norm / Standard	DIN 371 / DIN 376						DIN 371
Gewindeart / Type of thread / Tipo di maschio	M	M	M	M	M	M	M
Lochart / Hole type / Tipo di fore							
Toleranz / Tolerance / Tolleranza	IS03 6G	IS02 6H	IS02 6H	IS02 6H	IS02 6H	IS02 6H	6HX
Anschnitt / Chamfer / Imbocco	C	C	C	C	B	C	C
Drallwinkel / Spiral angle / Anglio 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 / Rivestimente	VARPO	VARPO	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
Schneidanzahl / 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	048	049	050	050	051	052	053

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

E Overview

Machine taps
Speedtap

I Sommario

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	HARDOUR	HARDOUR	HARDOUR	HARDOUR	VAPO	VAPO	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
053	054	055	056	058	059	060	061	062	063
			▬	▬	▬	▬	▬	▬	
			▬	▬	▬	▬	▬	▬	
				▬		▬	▬	▬	
	▬			▬		▬	▬	▬	
		▬		▬		▬	▬	▬	
				▬		▬	▬	▬	
				▬		▬	▬	▬	
▬	▬	▬		▬		▬	▬	▬	▬
				▬		▬			
	▬			▬		▬			
	▬	▬	▬	▬	▬	▬			
▬	▬	▬	▬	▬	▬	▬			▬
▬	▬	▬	▬	▬	▬	▬	▬	▬	▬

D **Übersicht**
Maschinengewindebohrer
Speedtap

E **Overview**
Machine taps
Speedtap

I **Sommario**
Maschi a macchina
Speedtap

Beschichtung / Coating / Rivestimente

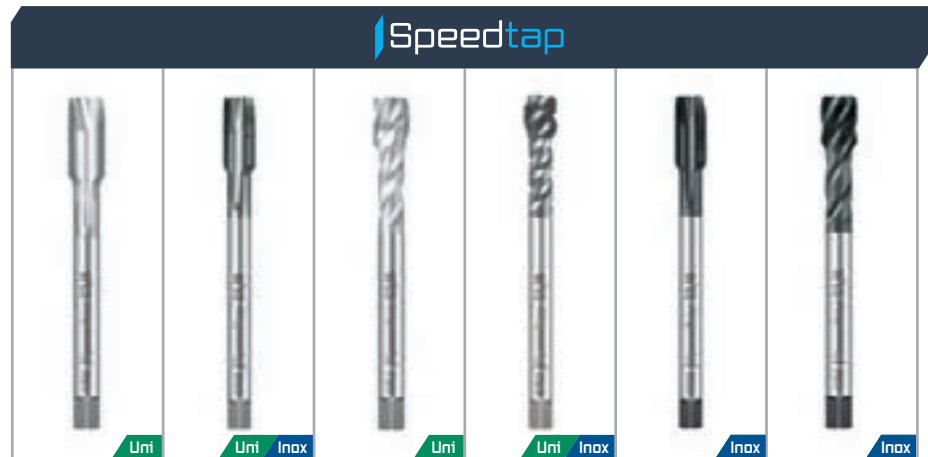
TiN:
Titan-Nitrid
Titanium nitride
Nitruro di titanio

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

VAPO:
Vaporisiert
Vaporized
Vaporizzato

TiCN:
Titan-Carbonitrid
Titanium carbonitride
Carbonitruro di titanio

HARDDUR:
Hartstoffbeschichtung
Hard surface coating
Rivestimento superficiale indurito



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 / Anglio elica			40°	50°		40°
Schneidstoff / Cutting material / Acciaie	HSSE-V3	HSSE-PM55	HSSE-V3	HSSE-PM55	HSSE-V3	HSSE-V3
Beschichtung / Coating / Rivestimente		HARDDUR		HARDDUR	VAPO	VAPO
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	064	065	066	067	068	069

Geeignet für / Suitable for / Adatte per						
< 400 N/mm² Stähle < 400 N/mm² Acciai < 400 N/mm²						
< 850 N/mm² Stähle < 850 N/mm² Acciai < 850 N/mm²						
< 1.100 N/mm² Stähle < 1.100 N/mm² Acciai < 1.100 N/mm²						
< 1.300 N/mm² Stähle < 1.300 N/mm² Acciai < 1.300 N/mm²						
> 42 HRC Stähle > 42 - 63 HRC Acciai > 42 - 63 HRC						
INOX < 850 N/mm² Rostfreie Stähle < 850 N/mm² Stainless steels < 850 N/mm² Acciai inossidabili < 850 N/mm²						
INOX > 850 N/mm² Rostfreie Stähle > 850 N/mm² Stainless steels > 850 N/mm² Acciai inossidabili > 850 N/mm²						
GRAUGUSS CAST IRON GHISA GRIGIA Grauguss, Temperguss 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						

D Übersicht

Maschinengewindeformer
Speedtap

E Overview

Rolling taps
Speedtap

I Sommario

Maschi a rullare
Speedtap

Speedtap						
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
070	070	071	071	072	073	074

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 diritte, per filettatura metrica ISO, DIN 13

Einsatzbereich:

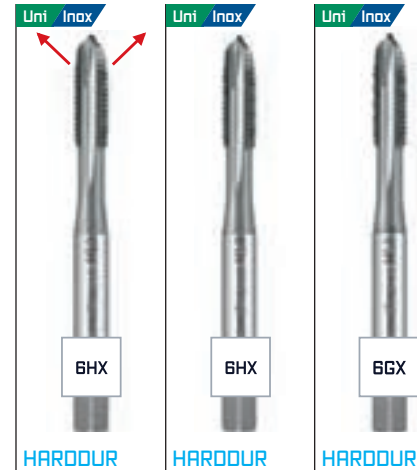
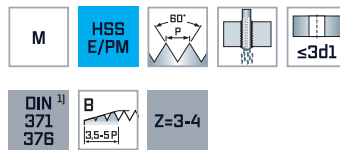
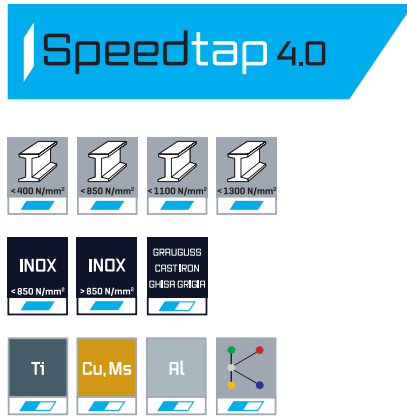
HSSE-PM Gewindebohrer für Durchgangsgewinde. Besonders geeignet für rostfreie Cr-Ni-Stähle, unlegierten und legierten Stahl $\leq 1300 \text{ N/mm}^2$. Die Generation 4.0 setzt neue Maßstäbe beim Gewinden.

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	∅ 1,6		0 4608002001 00	
M 2,5	0,45	50	9	-	2,8	2,1	3	∅ 2,05		0 4608002501 00	
M 3	0,5	56	11	18	3,5	2,7	3	∅ 2,5		0 4608003001 00	0 4628003001 00
M 4	0,7	63	13	21	4,5	3,4	3	∅ 3,3		0 4608004001 00	0 4628004001 00
M 5	0,8	70	16	25	6	4,9	3	∅ 4,2		0 4608005001 00	0 4628005001 00
M 6	1	80	19	30	6	4,9	3	∅ 5	0 4618006001 00	0 4608006001 00	0 4628006001 00
M 8	1,25	90	22	35	8	6,2	3	∅ 6,8	0 4618008001 00	0 4608008001 00	0 4628008001 00
M 10	1,5	100	24	39	10	8	3	∅ 8,5	0 4618010001 00	0 4608010001 00	0 4628010001 00
M 12	1,75	110	28	-	9	7	3	∅ 10,2	0 4618012001 00	0 4608012001 00	0 4628012001 00
M 14	2	110	30	-	11	9	3	∅ 12		0 4608014001 00	
M 16	2	110	32	-	12	9	3	∅ 14	0 4618016001 00	0 4608016001 00	0 4628016001 00
M 20	2,5	140	34	-	16	12	3	∅ 17,5		0 4608020001 00	0 4628020001 00
M 20	2,5	140	34	-	16	12	4	∅ 17,5	0 4618020001 00		
M 24	3	160	38	-	18	14,5	3	∅ 21		0 4608024001 00	
M 27	3	160	38	-	20	16	4	∅ 24		0 4608027001 00	
M 30	3,5	180	45	-	22	18	4	∅ 26,5		0 4608030001 00	

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

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

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

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

Einsatzbereich:

HSSE-PM Gewindebohrer für Grundgewinde.
 Besonders geeignet für rostfreie Cr-Ni-Stähle,
 unlegierten und legierten Stahl ≤1300 N/mm².
 Die Generation 4.0 setzt neue Maßstäbe beim
 Gewinden.

Range of application:

Tap made of powder steel for blind hole
 threads. Especially suitable for stainless
 Cr-Ni steels, non-alloyed and alloyed steels
 ≤1300 N/mm². The generation 4.0 sets new
 standards in threading.

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
 ciechi. Particolarmente adatti per acciai inossidabili
 Cr-Ni, acciai legati e non legati ≤1300 N/mm². La
 nuova generazione 4.0 stabilisce nuovi standard per
 realizzare maschiate.

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:

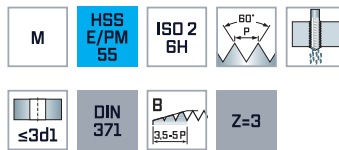
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für Titan und Titanlegierungen
≤1500 N/mm². Die Generation 4.0 setzt neue
Maßstäbe beim Gewinden.

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.



Titan



VAPD

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	0 2,5	0 4667003001 00
M 4	0,7	63	13	21	4,5	3,4	3	0 3,3	0 4667004001 00
M 5	0,8	70	16	25	6	4,9	3	0 4,2	0 4667005001 00
M 6	1	80	19	30	6	4,9	3	0 5	0 4667006001 00
M 8	1,25	90	22	35	8	6,2	3	0 6,8	0 4667008001 00
M 10	1,5	100	24	39	10	8	3	0 8,5	0 4667010001 00

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

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

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

Einsatzbereich:

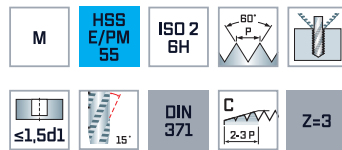
HSSE-PM Gewindebohrer für Grundgewinde.
Besonders geeignet für Titan und Titanlegierungen
≤1500 N/mm². Die Generation 4.0 setzt neue
Maßstäbe beim Gewinden.

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.

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.



VAPD

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	∅ 2,5	0 4677003001 00
M 4	0,7	63	7	21	4,5	3,4	3	∅ 3,3	0 4677004001 00
M 5	0,8	70	8	25	6	4,9	3	∅ 4,2	0 4677005001 00
M 6	1	80	10	30	6	4,9	3	∅ 5	0 4677006001 00
M 8	1,25	90	13	35	8	6,2	3	∅ 6,8	0 4677008001 00
M 10	1,5	100	15	39	10	8	3	∅ 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:

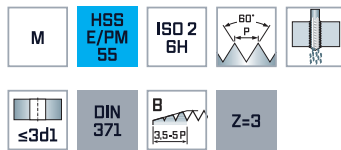
HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für Nickel und Nickellegierun-
gen $\leq 1500 \text{ N/mm}^2$. Die Generation 4.0 setzt neue
Maßstäbe beim Gewinden.

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.



Nickel



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

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

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

Einsatzbereich:

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

Range of application:

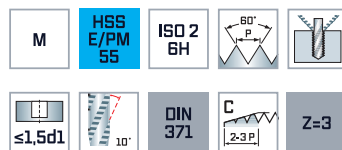
Tap made of powder steel for blind hole threads.
Especially suitable for nickel and nickel alloys
 ≤ 1500 N/mm². The generation 4.0 sets new
standards in threading.

Impiego:

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


Speedtap 4.0

Ni



Nickel



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 maschiate.



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 4607014001 00	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:

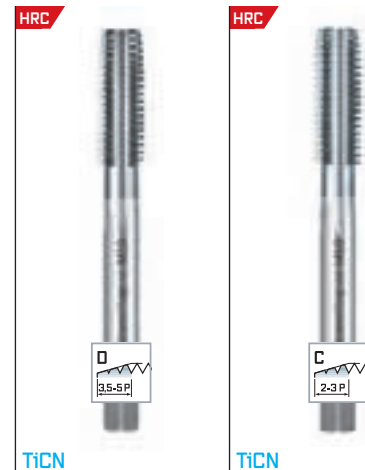
Solid carbide tap for through hole threads and blind hole threads. Especially suitable for tough and difficult to machine materials as well as hard machining ≤63HRC. The generation 4.0 sets new standards in threading.

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.

Speedtap 4.0



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

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

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

Einsatzbereich:

HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl ≤ 1300 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 stainless Cr-Ni
steels, non-alloyed and alloyed steels ≤ 1300
N/mm². 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 ≤ 1300 N/mm². La nuova
generazione 4.0 stabilisce nuovi standard per realizzare
maschiature.

Speedtap 4.0

Material compatibility icons:
 - Strength levels: <400 N/mm², <850 N/mm², <1100 N/mm², <1300 N/mm²
 - INOX: <850 N/mm², >850 N/mm²
 - GRAFUGUSS, CRISTIRON, GHSA, GRAIGRA
 - Ti, Cu, Ms, Al

MF, HSS E/PM, 6HX, 80° P, Thread profile icon

$\leq 3d1$, DIN 374, B 3.5-5 P, Z=3-4



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



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	0 4619022001 00
MF 10	1	90	12	7	5,5	4	Ø 9	0 4619024001 00
MF 10	1,25	100	12	7	5,5	4	Ø 8,80	0 4619037001 00
MF 12	1	100	14	9	7	4	Ø 11	0 4619026001 00
MF 12	1,25	100	14	9	7	4	Ø 10,80	0 4619038001 00
MF 12	1,5	100	14	9	7	4	Ø 10,5	0 4619040001 00
MF 14	1,5	100	16	11	9	4	Ø 12,5	0 4619041001 00
MF 16	1,5	100	16	12	9	5	Ø 14,5	0 4619043001 00
MF 18	1,5	110	20	14	11	5	Ø 16,5	0 4619044001 00
MF 20	1,5	125	20	16	12	5	Ø 18,5	0 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.



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:

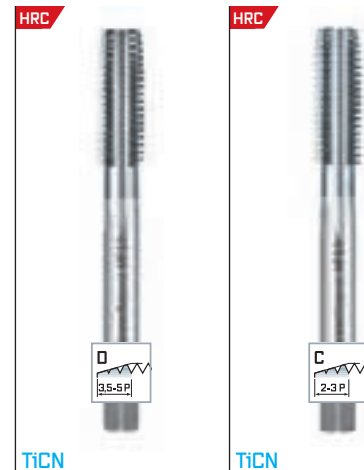
Solid carbide tap for through hole threads and blind hole threads. Especially suitable for tough and difficult to machine materials as well as hard machining ≤63HRC. The generation 4.0 sets new standards in threading.

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.

Speedtap 4.0



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	∅ 7,1	0 4645081001 00	0 4655081001 00
MF 10	1	75	24	7	5,5	5	∅ 9,1	0 4645101001 00	0 4655101001 00
MF 12	1	82	29	9	7	5	∅ 11,1	0 4645121001 00	0 4655121001 00
MF 12	1,5	82	29	9	7	5	∅ 10,6	0 4645121501 00	0 4655121501 00
MF 14	1,5	88	30	11	9	6	∅ 12,6	0 4645141501 00	0 4655141501 00
MF 16	1,5	95	32	12	9	6	∅ 14,6	0 4645161501 00	0 4655161501 00
MF 20	1,5	105	37	16	12	6	∅ 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

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

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

Einsatzbereich:

HSSE-PM Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für rostfreie Cr-Ni-Stähle,
unlegierten und legierten Stahl ≤1300 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 stainless Cr-Ni
steels, non-alloyed and alloyed steels ≤1300
N/mm². The generation 4.0 sets new standards
in threading.

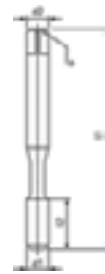
Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
passanti. Particolarmente adatti per acciai inossidabili
Cr-Ni, acciai legati e non legati ≤1300 N/mm². La
nuova generazione 4.0 stabilisce nuovi standard per
realizzare maschiature.

Speedtap 4.0

- <400 N/mm²
- <850 N/mm²
- <1100 N/mm²
- <1300 N/mm²
- INOX <850 N/mm²
- INOX >850 N/mm²
- GRAUGUSS
CHRISTIRON
GHSA GR1GR
- Ti
- Cu, Ms
- Al

G HSS E/PM 55° P ≤3d1
DIN 5156 B 3.5-5 P Z=3-4



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

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

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

Einsatzbereich:

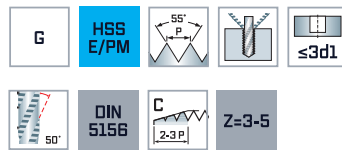
HSSE-PM Gewindebohrer für Grundgewinde.
 Besonders geeignet für rostfreie Cr-Ni-Stähle,
 unlegierten und legierten Stahl ≤1300 N/mm².
 Die Generation 4.0 setzt neue Maßstäbe beim
 Gewinden.

Range of application:

Tap made of powder steel for blind hole threads.
 Especially suitable for stainless Cr-Ni steels,
 non-alloyed and alloyed steels ≤1300 N/mm².
 The generation 4.0 sets new standards in
 threading.

Impiego:

Maschi in acciaio sinterizzato HSSE-PM per fori
 ciechi. Particolarmente adatti per acciai inossidabili
 Cr-Ni, acciai legati e non legati ≤1300 N/mm². La
 nuova generazione 4.0 stabilisce nuovi standard per
 realizzare maschiature.



Uni Inox



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 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
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.



G	HSS E/PM 105	6HX	55° P.P.	
≤1,5d1	WN	C 2-3 P.	Z=5	



TiCN

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	0 4617317001 00
G 1/4"	19	70	20	11	9	5	Ø 11,9	0 4617635001 00
G 3/8"	19	70	22	12	9	5	Ø 15,4	0 4617952001 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 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

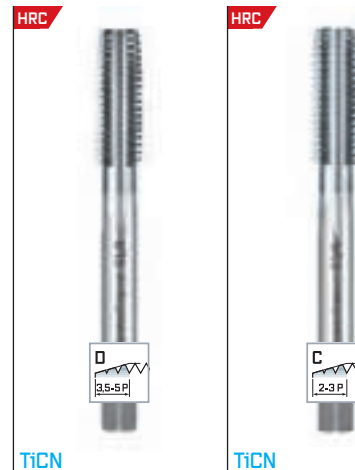
Range of application:

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.



d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4645 Art.-Nr.	Code 4655 Art.-Nr.
G 1/8"	28	63	18	7	5,5	5	∅ 8,9	0 4645317001 00	0 4655317001 00
G 1/4"	19	70	20	11	9	5	∅ 11,9	0 4645635001 00	0 4655635001 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-Universal,
gerade genutet, für metrisches
ISO-Gewinde DIN 13

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

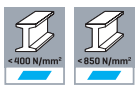
E **Machine taps**
Speedtap-Universal,
straight fluted, for metric
ISO-threads DIN 13

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



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	0 1,1	0 4621001401 00	
M 1,6	0,35	40	8	-	2,5	2,1	2	0 1,25	0 4621001601 00	
M 1,7	0,35	40	8	-	2,5	2,1	2	0 1,3	0 4621001701 00	
M 1,8	0,35	40	8	-	2,5	2,1	2	0 1,45	0 4621001801 00	
M 2	0,4	45	8	-	2,8	2,1	2	0 1,6	0 4621002001 00	
M 2,3	0,4	45	9	-	2,8	2,1	2	0 1,9	0 4621002301 00	
M 2,5	0,45	50	9	-	2,8	2,1	2	0 2,05	0 4621002501 00	
M 2,6	0,45	50	9	-	2,8	2,1	2	0 2,1	0 4621002601 00	
M 3	0,5	56	11	18	3,5	2,7	3	0 2,5	0 4621003001 00	0 4641003001 00
M 4	0,7	63	13	21	4,5	3,4	3	0 3,3	0 4621004001 00	0 4641004001 00
M 5	0,8	70	16	25	6	4,9	3	0 4,2	0 4621005001 00	0 4641005001 00
M 6	1	80	19	30	6	4,9	3	0 5	0 4621006001 00	0 4641006001 00
M 8	1,25	90	22	35	8	6,2	3	0 6,8	0 4621008001 00	0 4641008001 00
M 10	1,5	100	24	39	10	8	3	0 8,5	0 4621010001 00	0 4641010001 00
M 12	1,75	110	28	45	12	9	3	0 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 $\leq 850 \text{ N/mm}^2$.

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

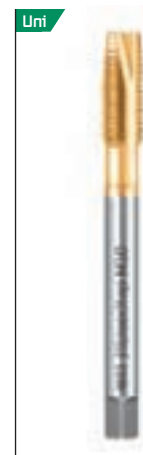
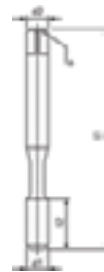
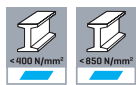
Range of application:

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


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 $\leq 850 \text{ N/mm}^2$.

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

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

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

Einsatzbereich:

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

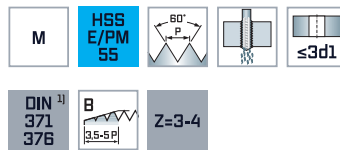
Range of application:

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.

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	∅ 1,6		0 4605002001 00	
M 2,5	0,45	50	9	-	2,8	2,1	3	∅ 2,05		0 4605002501 00	
M 3	0,5	56	11	18	3,5	2,7	3	∅ 2,5		0 4605003001 00	0 4629003001 00
M 4	0,7	63	13	21	4,5	3,4	3	∅ 3,3		0 4605004001 00	0 4629004001 00
M 5	0,8	70	16	25	6	4,9	3	∅ 4,2		0 4605005001 00	0 4629005001 00
M 6	1	80	19	30	6	4,9	3	∅ 5	0 4625006001 00	0 4605006001 00	0 4629006001 00
M 8	1,25	90	22	35	8	6,2	3	∅ 6,8	0 4625008001 00	0 4605008001 00	0 4629008001 00
M 10	1,5	100	24	39	10	8	3	∅ 8,5	0 4625010001 00	0 4605010001 00	0 4629010001 00
M 12	1,75	110	28	-	9	7	3	∅ 10,2	0 4635012001 00	0 4615012001 00	0 4639012001 00
M 14	2	110	30	-	11	9	3	∅ 12		0 4615014001 00	
M 16	2	110	32	-	12	9	3	∅ 14	0 4635016001 00	0 4615016001 00	0 4639016001 00
M 20	2,5	140	34	-	16	12	3	∅ 17,5		0 4615020001 00	0 4639020001 00
M 20	2,5	140	34	-	16	12	4	∅ 17,5	0 4635020001 00		
M 24	3	160	38	-	18	14,5	3	∅ 21		0 4615024001 00	
M 27	3	160	38	-	20	16	4	∅ 24		0 4615027001 00	
M 30	3,5	180	45	-	22	18	4	∅ 26,5		0 4615030001 00	

⁽¹⁾ DIN 371 ≤ M 10
DIN 376 ≥ M 12

maykestag

PERFORMANCE
IN PRECISION

Speedtap 4.0



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.

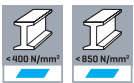
E **Machine taps**
Speedtap-Universal,
spiral fluted, for metric
ISO-threads DIN 13

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	∅ 1,6	0 4661002001 00	
M 2,3	0,4	45	9	-	2,8	2,1	2	∅ 1,9	0 4661002301 00	
M 2,5	0,45	50	9	-	2,8	2,1	2	∅ 2,05	0 4661002501 00	
M 2,6	0,45	50	9	-	2,8	2,1	2	∅ 2,1	0 4661002601 00	
M 3	0,5	56	5	18	3,5	2,7	3	∅ 2,5	0 4661003001 00	0 4601003001 00
M 3,5	0,6	56	6	20	4	3	3	∅ 2,9	0 4661003501 00	
M 4	0,7	63	7	21	4,5	3,4	3	∅ 3,3	0 4661004001 00	0 4601004001 00
M 5	0,8	70	8	25	6	4,9	3	∅ 4,2	0 4661005001 00	0 4601005001 00
M 6	1	80	10	30	6	4,9	3	∅ 5	0 4661006001 00	0 4601006001 00
M 8	1,25	90	13	35	8	6,2	3	∅ 6,8	0 4661008001 00	0 4601008001 00
M 10	1,5	100	15	39	10	8	3	∅ 8,5	0 4661010001 00	0 4601010001 00
M 12	1,75	110	18	45	12	9	3	∅ 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 $\leq 850 \text{ N/mm}^2$.

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/mm^2 .

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 $\leq 850 \text{ N/mm}^2$.




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

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

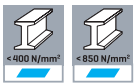
Range of application:

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

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



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	0 2,5	0 4681003001 00
M 4	0,7	63	7	21	4,5	3,4	3	0 3,3	0 4681004001 00
M 5	0,8	70	8	25	6	4,9	3	0 4,2	0 4681005001 00
M 6	1	80	10	30	6	4,9	3	0 5	0 4681006001 00
M 8	1,25	90	13	35	8	6,2	3	0 6,8	0 4681008001 00
M 10	1,5	100	15	39	10	8	3	0 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 $\leq 850 \text{ N/mm}^2$.

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 $\leq 850 \text{ N/mm}^2$.

Speedtap



Uni



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

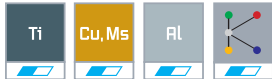
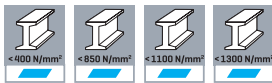
I **Maschi a macchina**
Speedtap-Universal,
scanalature elicoidali, per
filettatura metrica ISO, DIN 13

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



TWINDUR

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 ≤ 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



HARDOUR



HARDOUR

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 \leq M 10
DIN 376 \geq 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



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	0 2,5	0 4606003001 00
M 4	0,7	63	7	21	4,5	3,4	3	0 3,3	0 4606004001 00
M 5	0,8	70	8	25	6	4,9	3	0 4,2	0 4606005001 00
M 6	1	80	10	30	6	4,9	3	0 5	0 4606006001 00
M 8	1,25	90	13	35	8	6,2	3	0 6,8	0 4606008001 00
M 10	1,5	100	15	39	10	8	3	0 8,5	0 4606010001 00
M 12	1,75	110	18	-	9	7	4	0 10,2	0 4616012001 00
M 16	2	110	20	-	12	9	4	0 14	0 4616016001 00
M 20	2,5	140	25	-	16	12	4	0 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 ≤ 1300 N/mm².

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

Range of application:

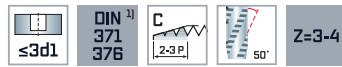
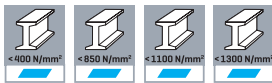
Tap made of powder steel for blind hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels ≤ 1300 N/mm².

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



Uni Inox



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

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

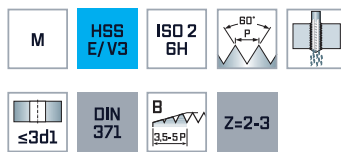
I **Maschi a macchina**
Speedtap-Inox,
scanalature diritte, per
filettatura metrica ISO, DIN 13

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

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.

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	∅ 1,6	0 4602002001 00		
M 2,5	0,45	50	9	-	2,8	2,1	2	∅ 2,05	0 4602002501 00		
M 3	0,5	56	11	18	3,5	2,7	3	∅ 2,5	0 4602003001 00	0 4622003001 00	0 4642003001 00
M 3,5	0,6	56	12	20	4	3	3	∅ 2,9	0 4602003501 00		
M 4	0,7	63	13	21	4,5	3,4	3	∅ 3,3	0 4602004001 00	0 4622004001 00	0 4642004001 00
M 5	0,8	70	16	25	6	4,9	3	∅ 4,2	0 4602005001 00	0 4622005001 00	0 4642005001 00
M 6	1	80	19	30	6	4,9	3	∅ 5	0 4602006001 00	0 4622006001 00	0 4642006001 00
M 8	1,25	90	22	35	8	6,2	3	∅ 6,8	0 4602008001 00	0 4622008001 00	0 4642008001 00
M 10	1,5	100	24	39	10	8	3	∅ 8,5	0 4602010001 00	0 4622010001 00	0 4642010001 00
M 12	1,75	110	28	45	12	9	3	∅ 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

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

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

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

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.

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

⁽¹⁾ 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

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

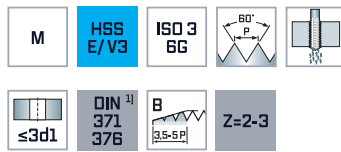
I Maschi a macchina Speedtap-Inox,
scanalature diritte, per filettatura metrica ISO, DIN 13

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

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

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



VAPD

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	0 1,6	0 4662002001 00
M 2,5	0,45	50	9	-	2,8	2,1	2	0 2,05	0 4662002501 00
M 3	0,5	56	11	18	3,5	2,7	3	0 2,5	0 4662003001 00
M 3,5	0,6	56	12	20	4	3	3	0 2,9	0 4662003501 00
M 4	0,7	63	13	21	4,5	3,4	3	0 3,3	0 4662004001 00
M 5	0,8	70	16	25	6	4,9	3	0 4,2	0 4662005001 00
M 6	1	80	19	30	6	4,9	3	0 5	0 4662006001 00
M 8	1,25	90	22	35	8	6,2	3	0 6,8	0 4662008001 00
M 10	1,5	100	24	39	10	8	3	0 8,5	0 4662010001 00
M 12	1,75	110	28	-	9	7	3	0 10,2	0 4672012001 00
M 14	2	110	30	-	11	9	3	0 12	0 4672014001 00
M 16	2	110	32	-	12	9	3	0 14	0 4672016001 00
M 18	2,5	125	34	-	14	11	3	0 15,5	0 4672018001 00
M 20	2,5	140	34	-	16	12	3	0 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:

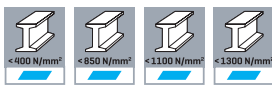
Tap made of powder steel for through hole threads.
Especially suitable for non-alloyed and alloyed
steels and for stainless Cr-Ni-steels $\leq 1300 \text{ N/mm}^2$.

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



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

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

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

Einsatzbereich:

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

Range of application:

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

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



VAPD

TiN

TiCN

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

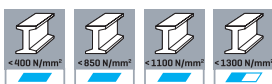
E Machine taps Speedtap-Inox,
spiral fluted, for metric ISO-threads DIN 13

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

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

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.

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.



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

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

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

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

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

Impiego:
Maschi al Cobalto HSS per fori ciechi. Particolarmente
adatti per acciai legati e non legati e per acciai inossi-
dabili Cr-Ni $\leq 1200 \text{ N/mm}^2$.

Speedtap



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	0 1,6	0 4687002001 00
M 2,5	0,45	50	9	-	2,8	2,1	2	0 2,05	0 4687002501 00
M 3	0,5	56	5	18	3,5	2,7	3	0 2,5	0 4687003001 00
M 4	0,7	63	7	21	4,5	3,4	3	0 3,3	0 4687004001 00
M 5	0,8	70	8	25	6	4,9	3	0 4,2	0 4687005001 00
M 6	1	80	10	30	6	4,9	3	0 5	0 4687006001 00
M 8	1,25	90	13	35	8	6,2	3	0 6,8	0 4687008001 00
M 10	1,5	100	15	39	10	8	3	0 8,5	0 4687010001 00
M 12	1,75	110	18	-	9	7	4	0 10,2	0 4697012001 00
M 14	2	110	20	-	11	9	4	0 12	0 4697014001 00
M 16	2	110	20	-	12	9	4	0 14	0 4697016001 00
M 18	2,5	125	25	-	14	11	4	0 15,5	0 4697018001 00
M 20	2,5	140	25	-	16	12	4	0 17,5	0 4697020001 00
M 24	3	160	30	-	18	14,5	4	0 21	0 4697024001 00
M 27	3	160	30	-	20	16	4	0 24	0 4697027001 00
M 30	3,5	180	35	-	22	18	5	0 26,5	0 4697030001 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 $\leq 1200 \text{ N/mm}^2$.

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



Inox



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

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 ≤ 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



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	0 2,5		0 4649003001 00
M 4	0,7	63	7	21	4,5	3,4	3	0 3,3		0 4649004001 00
M 5	0,8	70	8	25	6	4,9	3	0 4,2		0 4649005001 00
M 6	1	80	10	30	6	4,9	3	0 5	0 4627006001 00	0 4649006001 00
M 8	1,25	90	13	35	8	6,2	3	0 6,8	0 4627008001 00	0 4649008001 00
M 10	1,5	100	15	39	10	8	3	0 8,5	0 4627010001 00	0 4649010001 00
M 12	1,75	110	18	-	9	7	4	0 10,2	0 4637012001 00	0 4659012001 00
M 14	2	110	20	-	11	9	4	0 12	0 4637014001 00	0 4659014001 00
M 16	2	110	20	-	12	9	4	0 14	0 4637016001 00	0 4659016001 00
M 18	2,5	125	25	-	14	11	4	0 15,5	0 4637018001 00	0 4659018001 00
M 20	2,5	140	25	-	16	12	4	0 17,5	0 4637020001 00	0 4659020001 00
M 22	2,5	140	25	-	18	14,5	4	0 19,5	0 4637022001 00	0 4659022001 00
M 24	3	160	30	-	18	14,5	4	0 21	0 4637024001 00	0 4659024001 00
M 27	3	160	30	-	20	16	4	0 24	0 4637027001 00	0 4659027001 00
M 30	3,5	180	35	-	22	18	4	0 26,5	0 4637030001 00	0 4659030001 00

⁽¹⁾ DIN 371 \leq M 10
DIN 376 \geq 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



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	∅ 2,5	0 4664003001 00
M 4	0,7	63	13	21	4,5	3,4	3	∅ 3,3	0 4664004001 00
M 5	0,8	70	16	25	6	4,9	3	∅ 4,2	0 4664005001 00
M 6	1	80	19	30	6	4,9	3	∅ 5	0 4664006001 00
M 8	1,25	90	22	35	8	6,2	3	∅ 6,8	0 4664008001 00
M 10	1,5	100	24	39	10	8	3	∅ 8,5	0 4664010001 00
M 12	1,75	110	28	-	9	7	3	∅ 10,2	0 4674012001 00
M 16	2	110	32	-	12	9	3	∅ 14	0 4674016001 00
M 20	2,5	140	34	-	16	12	3	∅ 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

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

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

Einsatzbereich:

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

Range of application:

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

Impiego:

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

Speedtap



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 temperata).

Speedtap



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	∅ 3,3	0 4684004001 00	
M 5	0,8	70	16	-	3,5	2,7	3	∅ 4,2		0 4694005001 00
M 5	0,8	70	16	25	6	4,9	3	∅ 4,2	0 4684005001 00	
M 6	1	80	19	-	4,5	3,4	3	∅ 5		0 4694006001 00
M 6	1	80	19	30	6	4,9	3	∅ 5	0 4684006001 00	
M 8	1,25	90	22	-	6	4,9	4	∅ 6,8		0 4694008001 00
M 8	1,25	90	22	35	8	6,2	4	∅ 6,8	0 4684008001 00	
M 10	1,5	100	24	-	7	5,5	4	∅ 8,5		0 4694010001 00
M 10	1,5	100	24	39	10	8	4	∅ 8,5	0 4684010001 00	
M 12	1,75	110	28	-	9	7	4	∅ 10,2		0 4694012001 00
M 16	2	110	32	-	12	9	4	∅ 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

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

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

Einsatzbereich:

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

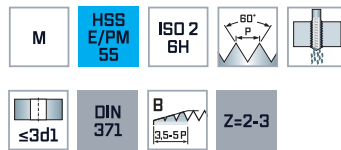
Range of application:

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).

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



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

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

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

Einsatzbereich:

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

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).

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



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	∅ 2,05	0 4698002501 00
M 3	0,5	56	5	18	3,5	2,7	3	∅ 2,5	0 4698003001 00
M 3,5	0,6	56	6	20	4	3	3	∅ 2,9	0 4698003501 00
M 4	0,7	63	7	21	4,5	3,4	3	∅ 3,3	0 4698004001 00
M 5	0,8	70	8	25	6	4,9	3	∅ 4,2	0 4698005001 00
M 6	1	80	10	30	6	4,9	3	∅ 5	0 4698006001 00
M 8	1,25	90	13	35	8	6,2	3	∅ 6,8	0 4698008001 00
M 10	1,5	100	15	39	10	8	3	∅ 8,5	0 4698010001 00

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

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

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

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde.
Besonders geeignet für unlegierte, und legierte
Stähle ≤850 N/mm² sowie Cu- und Al Legierungen
Si ≤10%.

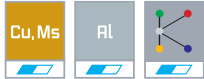
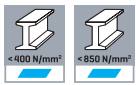
Impiego:


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 ≤10%.


Impiego:

Maschi in acciaio super rapido al Cobalto HSSE
per fori passanti. Particolarmente adatti per acciai
legati e non legati ≤850 N/mm² e per leghe di rame e
alluminio Si ≤10%.

Speedtap



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

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

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

Einsatzbereich:

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

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.

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



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	∅ 7	0 4753022001 00
MF 10	1	90	20	7	5,5	3	∅ 9	0 4753024001 00
MF 10	1,25	100	24	7	5,5	3	∅ 8,8	0 4753037001 00
MF 12	1	100	22	9	7	3	∅ 11	0 4753026001 00
MF 12	1,25	100	22	9	7	3	∅ 10,8	0 4753038001 00
MF 12	1,5	100	22	9	7	3	∅ 10,5	0 4753040001 00
MF 14	1,5	100	22	11	9	4	∅ 12,5	0 4753041001 00
MF 16	1,5	100	22	12	9	4	∅ 14,5	0 4753043001 00
MF 18	1,5	110	25	14	11	4	∅ 16,5	0 4753044001 00
MF 20	1,5	125	25	16	12	4	∅ 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/mm^2 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



HARDOR

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	∅ 7	0 4763022001 00
MF 10	1	90	12	7	5,5	4	∅ 9	0 4763024001 00
MF 10	1,25	100	12	7	5,5	4	∅ 8,8	0 4763037001 00
MF 12	1	100	14	9	7	4	∅ 11	0 4763026001 00
MF 12	1,25	100	14	9	7	4	∅ 10,8	0 4763038001 00
MF 12	1,5	100	14	9	7	4	∅ 10,5	0 4763040001 00
MF 14	1,5	100	16	11	9	4	∅ 12,5	0 4763041001 00
MF 16	1,5	100	16	12	9	5	∅ 14,5	0 4763043001 00
MF 18	1,5	110	20	14	11	5	∅ 16,5	0 4763044001 00
MF 20	1,5	125	20	16	12	5	∅ 18,5	0 4763045001 00

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

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

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

Einsatzbereich:

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

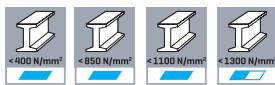
Range of application:

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

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



Inox



VAPO

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

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

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

Einsatzbereich:

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

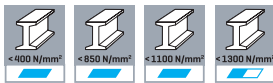
Range of application:

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

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



VAPD

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

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

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

Einsatzbereich:

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

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).

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



Cast Iron



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

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

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

Einsatzbereich:

HSSE Gewindebohrer für Durchgangsgewinde. Besonders geeignet für unlegierte, und legierte Stähle ≤850 N/mm² sowie Cu- und Al Legierungen Si ≤10%.

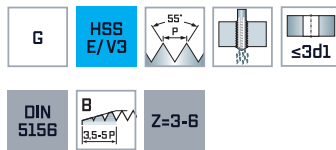
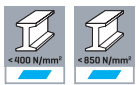
Impiego:

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 ≤10%.

Impiego:

Maschi in acciaio super rapido al Cobalto HSSE per fori passanti. Particolarmente adatti per acciai legati e non legati ≤850 N/mm² e per leghe di rame e alluminio Si ≤10%.

Speedtap



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	∅ 8,8	0 4702016001 00
G 1/4"	19	100	22	11	9	3	∅ 11,8	0 4702020001 00
G 3/8"	19	100	22	12	9	3	∅ 15,25	0 4702024001 00
G 1/2"	14	125	25	16	12	3	∅ 19	0 4702028001 00
G 5/8"	14	125	25	18	14,5	4	∅ 21	0 4702032001 00
G 3/4"	14	140	28	20	16	4	∅ 24,5	0 4702034001 00
G 7/8"	14	150	28	22	18	4	∅ 28,25	0 4702036001 00
G 1"	11	160	30	25	20	4	∅ 30,75	0 4702038001 00
G 1 1/8"	11	170	30	28	22	4	∅ 35,3	0 4702040001 00
G 1 1/4"	11	170	30	32	24	4	∅ 39,25	0 4702042001 00
G 1 3/8"	11	180	32	36	29	6	∅ 41,9	0 4702044001 00
G 1 1/2"	11	190	32	36	29	6	∅ 45,25	0 4702046001 00

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

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

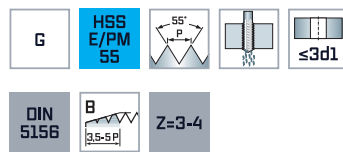
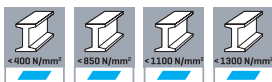
I Maschi a macchina Speedtap-Uni/Inox, scanalature diritte, per filettatura whitworth per tubi, DIN ISO 228

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

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.

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



HARDOUR

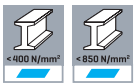
d1 inch	P Gg / 1"	l1 mm	l2 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4742 Art.-Nr.
G 1/8"	28	90	20	7	5,5	3	Ø 8,8	0 4742016001 00
G 1/4"	19	100	22	11	9	3	Ø 11,8	0 4742020001 00
G 3/8"	19	100	22	12	9	3	Ø 15,25	0 4742024001 00
G 1/2"	14	125	25	16	12	3	Ø 19	0 4742028001 00
G 5/8"	14	125	25	18	14,5	4	Ø 21	0 4742032001 00
G 3/4"	14	140	26	20	16	4	Ø 24,5	0 4742034001 00
G 1"	11	160	30	25	20	4	Ø 30,75	0 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 $\leq 10\%$.

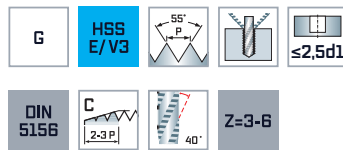
Speedtap



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



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

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

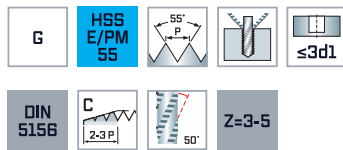
I Maschi a macchina Speedtap-Uni/Inox, scanalature elicoidali, per filettatura whitworth per tubi, DIN ISO 228

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

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



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	0 4752016001 00
G 1/4"	19	100	15	11	9	4	Ø 11,8	0 4752020001 00
G 3/8"	19	100	15	12	9	4	Ø 15,25	0 4752024001 00
G 1/2"	14	125	18	16	12	4	Ø 19	0 4752028001 00
G 5/8"	14	125	18	18	14,5	4	Ø 21	0 4752032001 00
G 3/4"	14	140	20	20	16	5	Ø 24,5	0 4752034001 00
G 1"	11	160	22	25	20	5	Ø 30,75	0 4752038001 00

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

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

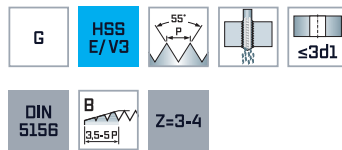
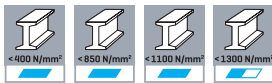
I Maschi a macchina Speedtap-Inox,
scanalature diritte, per filettatura whitworth per tubi, DIN ISO 228

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

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.

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



Inox



VARPO

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:

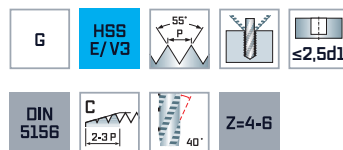
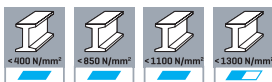
HSS Cobalt tap for blind hole threads. Especially
suitable for non-alloyed and alloyed steels and for
stainless Cr-Ni-steels $\leq 1200 \text{ N/mm}^2$.

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



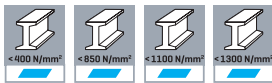
VAP0

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	0 4732016001 00
G 1/4"	19	100	16	11	9	4	Ø 11,8	0 4732020001 00
G 3/8"	19	100	16	12	9	5	Ø 15,25	0 4732024001 00
G 1/2"	14	125	22	16	12	5	Ø 19	0 4732028001 00
G 5/8"	14	125	22	18	14,5	5	Ø 21	0 4732032001 00
G 3/4"	14	140	22	20	16	5	Ø 24,5	0 4732034001 00
G 7/8"	14	150	22	22	18	5	Ø 28,25	0 4732036001 00
G 1"	11	160	28	25	20	5	Ø 30,75	0 4732038001 00
G 1 1/8"	11	170	30	28	22	5	Ø 35,3	0 4732040001 00
G 1 1/4"	11	170	30	32	24	6	Ø 39,25	0 4732042001 00
G 1 3/8"	11	180	32	36	29	6	Ø 41,9	0 4732044001 00
G 1 1/2"	11	190	32	36	29	6	Ø 45,25	0 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 $\leq 10\%$.

Speedtap



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 rulare 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 $\leq 10\%$.



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	-	0 0,9		0 4669001001 00
M 1,2	0,25	40	5,5	-	2,5	2,1	-	0 1,1		0 4669001201 00
M 1,4	0,3	40	7	-	2,5	2,1	-	0 1,27		0 4669001401 00
M 1,6	0,35	40	8	-	2,5	2,1	-	0 1,45		0 4669001601 00
M 2	0,4	45	8	-	2,8	2,1	-	0 1,85		0 4669002001 00
M 2,5	0,45	50	9	-	2,8	2,1	-	0 2,33		0 4669002501 00
M 3	0,5	56	8	18	3,5	2,7	4	0 2,8		0 4669003001 00
M 4	0,7	63	11	21	4,5	3,4	4	0 3,7		0 4669004001 00
M 5	0,8	70	12	25	6	4,9	5	0 4,65		0 4669005001 00
M 6	1	80	10	30	6	4,9	5	0 5,55	0 4689006001 00	0 4669006001 00
M 8	1,25	90	12	35	8	6,2	5	0 7,4	0 4689008001 00	0 4669008001 00
M 10	1,5	100	15	39	10	8	8	0 9,3	0 4689010001 00	0 4669010001 00
M 12	1,75	110	17	-	9	7	8	0 11,2	0 4699012001 00	0 4679012001 00
M 14	2	110	20	-	11	9	8	0 13	0 4699014001 00	0 4679014001 00
M 16	2	110	20	-	12	9	8	0 15	0 4699016001 00	0 4679016001 00
M 18	2,5	125	20	-	14	11	8	0 16,8	0 4699018001 00	0 4679018001 00
M 20	2,5	140	20	-	16	12	8	0 18,8	0 4699020001 00	0 4679020001 00
M 22	2,5	140	20	-	18	14,5	8	0 20,8	0 4699022001 00	0 4679022001 00
M 24	3	160	24	-	18	14,5	8	0 22,5	0 4699024001 00	0 4679024001 00
M 27	3	160	18	-	20	16	8	0 25,5	0 4699027001 00	0 4679027001 00
M 30	3,5	180	21	-	22	18	8	0 28,2	0 4699030001 00	0 4679030001 00
M 33	3,5	180	21	-	25	20	8	0 31,2	0 4699033001 00	
M 36	4	200	24	-	28	22	8	0 33,9	0 4699036001 00	
M 39	4	200	24	-	32	24	9	0 36,9	0 4699039001 00	
M 42	4,5	200	27	-	32	24	9	0 39,6	0 4699042001 00	
M 45	4,5	220	27	-	36	29	9	0 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 ≤ 1200 N/mm², 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 ≤ 1200 N/mm², 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 rulare in acciaio super rapido al Cobalto HSSE per fori passanti e fori ciechi. Particolarmente adatti per acciai inossidabili Cr-Ni ≤ 1200 N/mm², alluminio Si $\leq 10\%$.

Speedtap



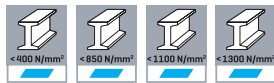
d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4678/4688 Art.-Nr.	Code 4644/4654 Art.-Nr.
M 2	0,4	45	8	-	2,8	2,1	3	∅ 1,83		∅ 4644002001 00
M 2,5	0,45	50	9	-	2,8	2,1	3	∅ 2,33		∅ 4644002501 00
M 3	0,5	56	11	18	3,5	2,7	4	∅ 2,8		∅ 4644003001 00
M 3,5	0,6	56	11	18	4	3	4	∅ 3,25		∅ 4644003501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

Speedtap



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 $\leq 10\%$.

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	0 7,55	0 4773022001 00
MF 10	1	90	12	35	10	8	8	0 9,55	0 4773024001 00
MF 10	1,25	100	12	39	10	8	8	0 9,45	0 4773037001 00
MF 12	1	100	15	-	9	7	8	0 11,6	0 4773026001 00
MF 12	1,25	100	15	-	9	7	8	0 11,4	0 4773038001 00
MF 12	1,5	100	15	-	9	7	8	0 11,3	0 4773040001 00
MF 14	1,25	100	15	-	11	9	8	0 13,4	0 4773039001 00
MF 14	1,5	100	15	-	11	9	8	0 13,3	0 4773041001 00
MF 16	1,5	100	15	-	12	9	8	0 15,3	0 4773043001 00
MF 18	1,5	110	15	-	14	11	8	0 17,3	0 4773044001 00
MF 20	1,5	125	15	-	16	12	8	0 19,3	0 4773045001 00
MF 22	1,5	125	15	-	18	14,5	8	0 21,3	0 4773046001 00
MF 24	1,5	140	15	-	18	14,5	8	0 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 rulare 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



TiN

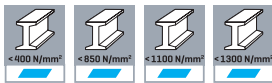
d1 mm	P mm	l1 mm	l2 mm	l3 mm	d2 _{h9} mm	a _{h12} mm	Z		Code 4783 Art.-Nr.
MF 3	0,35	56	8	18	3,5	2,7	3	∅ 2,85	0 4783006001 00
MF 4	0,5	63	10	21	4,5	3,4	4	∅ 3,9	0 4783009001 00
MF 5	0,5	70	12	25	6	4,9	4	∅ 4,78	0 4783011001 00
MF 6	0,75	80	14	30	6	4,9	5	∅ 5,7	0 4783015001 00
MF 8	1	90	22	35	8	6,2	5	∅ 7,55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

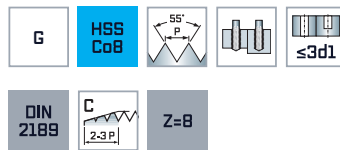
Speedtap



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 $\leq 10\%$.

Uni



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



PERFORMANCE
IN PRECISION

Überreicht durch | With the compliments of | Utensileria:



Artikel Nr.: 0099900213100

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