

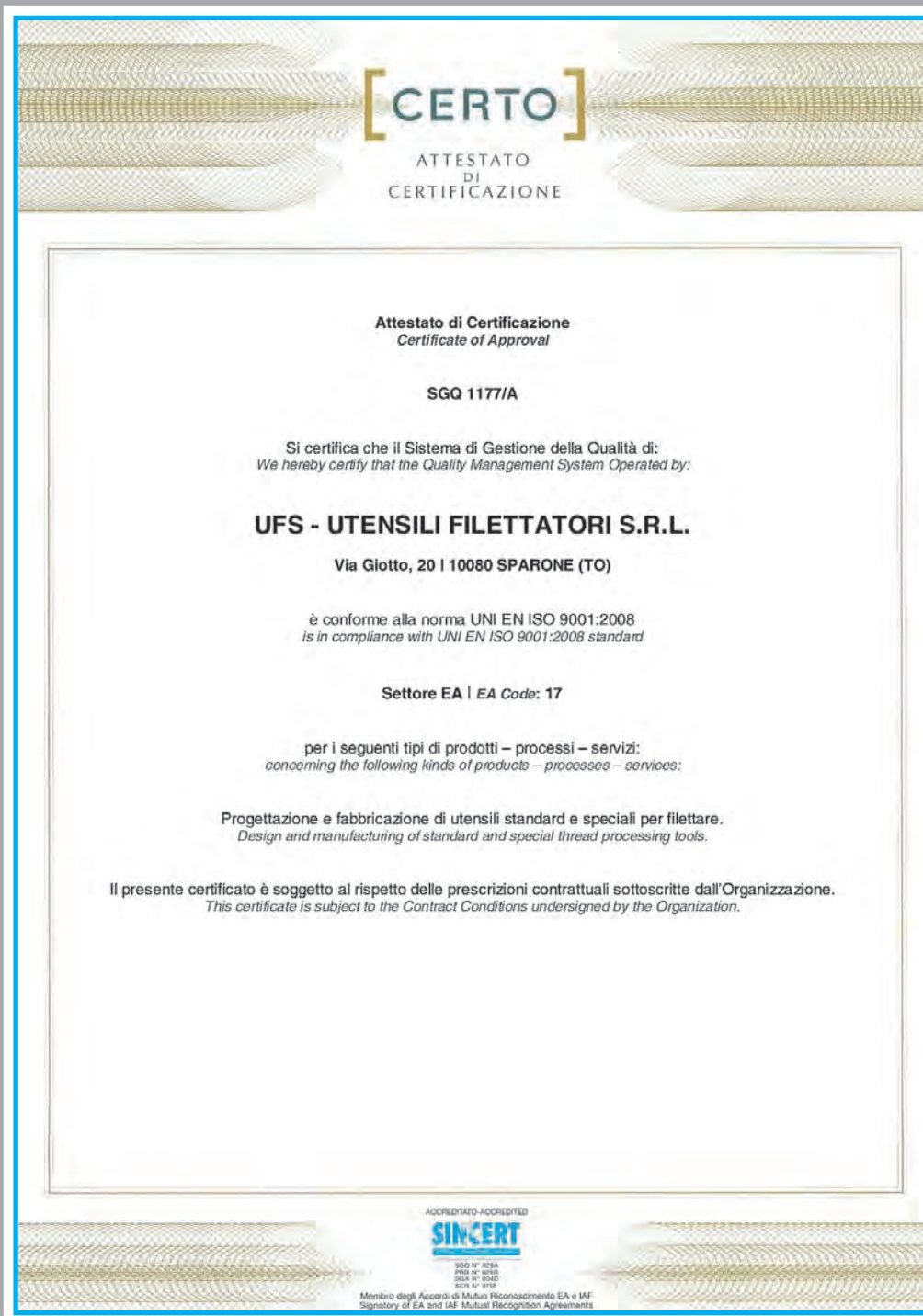


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CATALOGO TECNICO TECHNICAL CATALOGUE 29





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Attenzione: i maschi si possono scheggiare durante il loro impiego e si raccomanda l'uso degli occhiali o dello schermo protettivo.

Warning: taps can splinter during use; protective goggles or shield should therefore be used.

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Customer Service

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IL "CARATTERE" UFS UFS CHARACTER

Un maschio per ogni impiego
Standard e speciale: sulle esigenze del cliente
Partner affidabile per collaborazioni serie e durature
Costruiamo utensili per filettare dal 1947
Costante innovazione: R&D in UFS Technology
Il prodotto: preciso, affidabile, curato e tutto by UFS
Forte espansione sui mercati esteri
Qualità certificata... ma non solo dal Certificatore
Il prezzo è importante... e lo sappiamo!
Alla data prevista il corriere consegna!
Il cliente UFS non è mai lasciato solo

*A tap for every application
Standard and tailor-made special as per customer requests
Partner for a reliable and lasting cooperation
We have been manufacturing threading tools since 1947
Steady innovation: R&D in UFS Technology
The product: precise, reliable, accurate, all made by UFS
Great expansion in export markets
Certified quality... but not only by the certifier
The price is important ...and we know it!
Goods are delivered punctually on the given date
UFS customers are never left alone*

WWW.UFS.IT

Un sito web dinamico in costante aggiornamento sia in termini di contenuti che di funzionalità interattive a disposizione di clienti e collaboratori.

A dynamic website is constantly updated in terms of content and interactive functionality available to customers and employees.



DISTRIBUZIONE DISTRIBUTION

La UFS persegue l'indirizzo di forte espansione verso i mercati esteri. È già presente con distributori in Europa, Russia, Sud Est Asiatico, Australia e Sud America. In Italia opera tramite rivenditori ed è presente presso i maggiori costruttori in ambito automotive ed aeronautico.

UFS company is expanding the sales aggressively on the export. We are already present with distributors located in Europe, Russia, South East Asia, China, Australia and South America. In Italy we act with distributors and we are supplier to the major producers in automotive and aerospace fields.



FILETTO

Buongiorno, mi presento: mi chiamo Filetto!
Guardatemi con simpatia... potrei esservi utile.

Hy, I am Filetto!

let's be friend... I could be useful.









METODO DI COSTRUZIONE DEL CODICE UFS


METHOD OF FAST CONSTRUCTION OF THE UFS' CODE

E	24	M	...	AZ	-	T
Materiale del maschio <i>Tap's steel</i>	Tipo di scanalatura <i>Flute's type</i>	Tipo di filettatura del maschio <i>Threading type</i>	Spazio per l'indicazione del diametro <i>Diameter's location</i>	Particolari tecnici aggiuntivi del maschio <i>Technical added information</i>	-	Tipo di trattamento o rivestimento superficiale <i>Tap's coating or treatment surface</i>

FILETTATURE THREADS

SPIEGAZIONE SIMBOLI UFS UFS' SYMBOLS CHART

M	LH	Filettatura sinistra <i>Left hand thread</i>	
MF	AZ	Filetti alternati <i>Interrupted threads</i>	
UNC	X	Applicazione per INOX <i>For stainless steel application</i>	
UNF	OT	Applicazione specifica per OTTONE <i>Specific application for BRASS</i>	
UNEF	AL	Applicazione specifica per Alluminio <i>Specific application for Aluminium</i>	
UNS	NI	Applicazione specifica per Nichel <i>Specific application for Nickel</i>	
8-UN	FOR	Lubrificazione interna con uscita assiale <i>Through coolant, axial flow</i>	
12-UN	FORY	Lubrificazione interna con uscita radiale <i>Through coolant, radial flow</i>	
16-UN	SP	Senza punta anteriore <i>Without centre male</i>	
20-UN	SR	Maschiatura rigida sincronizzata <i>Rigid tapping Synchro</i>	
28-UN			
32-UN			
GAS			
Rp			
<i>new</i> NPSM			
<i>new</i> NPSF			
Rc			
NPT			
NPTF			
BSW			
PG			
Tr			
<i>new</i> Rd			
<i>new</i> EGM			



Vuoi il tuo logo sul maschio? Ne possiamo parlare...
Wishing an OEM or Private Label brand on your taps?
Just ask, we can talk about it...

CLASSI DI MATERIALI PER MASCHI STANDARD

MATERIAL'S TYPE FOR STANDARD TAPS

Acciai super rapidi <i>High speed steel</i>				Acciai sinterizzati da polveri <i>Powdered metallurgy high speed steel</i>		Metallo duro <i>Solid carbide</i>
HSS	HSSE	HSSV3	HSSP 8%Co	PM3	PM1	MDI/HM
	R < 850 <i>N/mm²</i>	R < 1000 <i>N/mm²</i>	R < 1000 <i>N/mm²</i>	R < 1600 N/mm ² / 49 HRC		45÷62 HRC



Gestione acciai con magazzino automatico verticale
Automatic load system for steels' storage

TIPI DI SCANALATURA

FLUTE'S TYPE

20	Tagli Diritti (DIN 371) <i>Straight flutes</i>	40	Elica 15° dx (DIN 371) <i>Spiral flutes 15° R</i>	60	Elica 40° dx (DIN 371) <i>Spiral flutes 40° R</i>
21	Tagli Diritti (DIN 376) <i>Straight flutes</i>	41	Elica 15° dx (DIN 376) <i>Spiral flutes 15° R</i>	61	Elica 40° dx (DIN 376) <i>Spiral flutes 40° R</i>
24	Imbocco Corretto (DIN 371) <i>Spiral pointed</i>	42	Elica 10° - 15° dx per Ti e Ni (DIN 371) <i>Spiral flutes 15° R for Ti and Ni</i>	70	Elica 45° dx per Alluminio (DIN 371) <i>Spiral flutes 45° R for Aluminium</i>
25	Imbocco Corretto (DIN 376) <i>Spiral pointed</i>	43	Elica 10° - 15° dx per Ti e Ni (DIN 376) <i>Spiral flutes 15° R for Ti and Ni</i>	71	Elica 45° dx per Alluminio (DIN 376) <i>Spiral flutes 45° R for Aluminium</i>
26	Tagli diritti per GHISA (DIN 371) <i>Straight flutes for cast iron</i>	50	Elica 15° sinistra (DIN 371) <i>Spiral flutes 15° LH</i>	80	El 40° dx, rastremazione posteriore (DIN371) <i>Spiral flutes 40° R, back tapered tread</i>
27	Tagli diritti per GHISA (DIN 376) <i>Straight flutes for cast iron</i>	51	Elica 15° sinistra (DIN 376) <i>Spiral flutes 15° LH</i>	81	El 40° dx, rastremazione posteriore (DIN376) <i>Spiral flutes 40° R, back tapered tread</i>
28	Elica 25° dx (DIN 371) <i>Spiral flutes 25° R</i>	52	Elica 10° - 15° sin. per Ti e Ni (DIN 371) <i>Spiral flutes 15° LH for Ti and Ni</i>	82	Elica 45° - 48° dx (DIN 371) <i>Spiral flutes 45° - 48° R</i>
29	Elica 25° dx (DIN 376) <i>Spiral flutes 25° R</i>	53	Elica 10° - 15° sin. per Ti e Ni (DIN 376) <i>Spiral flutes 15° LH for Ti and Ni</i>	83	Elica 45° - 48° dx (DIN 376) <i>Spiral flutes 45° - 48° R</i>

LINEE PRODOTTI

PRODUCTS LINES



Universal



HR



INOX
Stainless steel



Al-Cu-Fe



Ghisa
Cast iron



Ti



Ni

SR

Synchro RIGID

MDI-HR

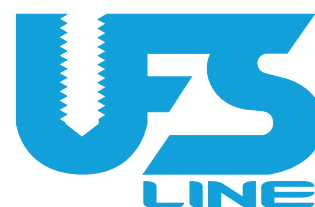
Metallo duro
Solid Carbide

X-SERIES

Rullare
Roll form taps



Uso generale $R < 1000 \text{ N/mm}^2$, acciaio HSSP 8%Co
General purpose $R < 1000 \text{ N/mm}^2$, HSSP steel 8%Co



Linea standard HSSE, HSS
Standard line HSSE, HSS

CAMPI APPLICATIVI

APPLICATION FIELD

N USO GENERALE
General purpose

N USO GENERALE $R \leq 1000\text{N/mm}^2$
General purpose $R \leq 1000\text{N/mm}^2$

U APPLICAZIONI UNIVERSALI $R \leq 1200\text{ N/mm}^2$
Universal Applications $R \leq 1200\text{ N/mm}^2$

HR ALTA RESISTENZA
High Resistance

INOX ACCIAIO INOSSIDABILE
Stainless steel

GG GHISA
Cast Iron

Al-Cu-Fe ALLUMINIO, RAME, ACCIAIO $R \leq 700\text{ N/mm}^2$
Aluminium, Cooper, Steel $R \leq 700\text{ N/mm}^2$

OT OTTONE E BRONZO
Brass and Bronze

Ti TITANIO
Titanium

Ni NICHEL
Nickel

SYNCHRO RIGID MASCHIATURA RIGIDA SINCRONIZZATA
Rigid Tapping Synchro

MDI-HR METALLO DURO INTEGRALE - ALTA RESISTENZA
Integral hard metal - high resistance

P - SERIES MASCHI A RULLARE
Roll form taps

X - SERIES MASCHI A RULLARE
Roll form taps

MDI -SERIES MASCHI A RULLARE
Roll form taps

Maschi a mano, serie 3 pezzi Hand taps 3 pieces set			Maschi a mano, serie 2 pezzi Hand taps 2 pieces set		Maschi a mano sinistri LH, serie 3 pezzi Hand taps 3 pieces set - Left LH			Maschi a mano sin., 2 pezzi Hand taps 2 pieces set - Left LH		Maschi a mano per INOX Hand taps 3 pieces set - Stainless steel			...
01...	02...	03...	01...	03...	01...LH	02...LH	03...LH	01...LH	03...LH	01...X-VS	02...X-VS	03...X-VS	10FC...
LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE new	LINE new	LINE new	LINE
00...			00...		00...LH			00...LH		00...X-VS			
					LH	LH	LH						
2-3	2-3	2-3			4	4	4			5	5	5	6
			82-84	82-84				85	85				
150	150	150	166	166									
			190	190									
218	218	218											
A (5-6)	D (4-5)	C (2-3)	A (5-6)	C (2-3)	A (5-6)	D (4-5)	C (2-3)	A (5-6)	C (2-3)	A (5-6)	D (4-5)	C (2-3)	C (2-3)
HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSS	HSSE
Br	Br	Br	Br	Br	Br	Br	Br	Br	Br	VS	VS	VS	Br
N	N	N	N	N	N	N	N	N	N	INOX	INOX	INOX	N
2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	2xD	1,5xD
1.1	■		■		■			■		■			■ 10-15
1.2	■		■		■			■		■			■ 10-15
1.3	■		■		■			■		■			■ 10-12
1.4	■		■		■			■		■			○ 8-10
1.5											○		
1.6													
1.7													
1.8													
2.1	■		■		■			■		■			
2.2	○		○		○			○		○			
2.3	○		○		○			○		○			
2.4													
3.1	○		○		○			○		○			■
3.2											○		
3.3											○		
3.4	○		○		○			○		○			■
3.5													
4.1	■		■		■			■		■			
4.2	■		■		■			■		■			
4.3	■		■		■			■		■			
4.4	○		○		○			○		○			
4.5													
4.6													
5.1	■		■		■			■		■			
5.2	■		■		■			■		■			
5.3	○		○		○			○		○			
5.4													
6.1													
6.2													
6.3													
7.1													
7.2													
7.3													
8.1													
8.2													
8.3													
9.1													
9.2													
9.3													
10.1													

...Maschi per dadi ... Taps for nuts		Maschi scanalature diritte per OTTONE Straight flutes taps for BRASS				Maschi scanalature diritte Straight flutes taps			Maschi scanalature diritte sinistri LH Straight flutes taps - left LH			Maschi con filetti alternati AZ... Interrupted threads taps AZ...	
10FP...	12FP...	LANCIA...	LANCIA...NC	E20...OT	E20...OT-CT	E20/E21...	E20/E21...V	E20/E21...T	E20/E21...LH	E20/E21...LH-V	E20/E21...LH-T	E20/E21...AZ	E20/E21...AZ-V
LINE	LINE	LINE new	LINE new	LINE new	LINE new	LINE	LINE	LINE	LINE	LINE	LINE	LINE	LINE
6	6	Ms58	Ms58	7	7	8-9	8-9	8-9	LH	LH	LH	AZ	AZ
						86-92		86-88			93		
						151		151					
						167		167					
						182		182					
						185		185					
						186		186					
						187		187					
						191, (204 Rp)		191, (204 Rp)					
						206		206					
						207		207					
						219		219					
						222 (PG)		222 (PG)					
						230		230					
20xP	6-8xP	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
Br	Br	Br	CrN	Br	TiCN	Br	V	TiN	Br	V	TiN	Br	V
N	N	OT	OT	OT	OT	N	N	N	N	N	N	Al-Cu-Fe	Al-Cu-Fe
1,5xD	3xD	3xD	3xD	3xD	3xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD
1.1	■ 10-15	■ 10-15				○ 10-15	■ 10-15	■ 20-30	○ 10-15	■ 10-15	■ 20-30	■ 10-15	■ 10-15
1.2	■ 10-15	■ 10-15				■ 10-15	■ 10-15	■ 20-30	■ 10-15	■ 10-15	■ 20-30	■ 10-15	■ 10-15
1.3	■ 10-12	■ 10-12				■ 10-12	■ 10-12	■ 20-25	■ 10-12	■ 10-12	■ 20-25	■ 10-12	■ 10-12
1.4	○ 8-10	○ 8-10				○ 8-10	○ 8-10	■ 15-20	○ 8-10	○ 8-10	■ 15-20		
1.5													
1.6													
1.7													
1.8													
2.1													
2.2													
2.3													
2.4													
3.1													
3.2													
3.3													
3.4						○ 8-10	○ 8-10	○ 15-20	○ 8-10	○ 8-10	○ 15-20		
3.5													
4.1												○ 10-15	○ 10-15
4.2						○ 15-20	○ 15-20	○ 25-30	○ 15-20	○ 15-20	○ 25-30	■ 15-20	■ 15-20
4.3						○ 10-15	○ 10-15	○ 20-25	○ 10-15	○ 10-15	○ 20-25		
4.4													
4.5													
4.6													
5.1												○ 8-12	○ 8-12
5.2						○ 10-15	○ 10-15	○ 20-25	○ 10-15	○ 10-15	○ 20-25	■ 10-15	■ 10-15
5.3			■ 15-20	■ 25-30	■ 15-20	■ 25-30	○ 15-20	○ 15-20	○ 25-30	○ 15-20	○ 15-20	○ 25-30	○ 25-30
5.4													
6.1													
6.2													
6.3													
7.1													
7.2													
7.3													
8.1												○ 20-25	○ 20-25
8.2			○ 8-10	○ 10-15	○ 8-10	○ 10-15	○ 8-10	○ 8-10	○ 10-15	○ 8-10	○ 10-15		
8.3			○ 3-5	○ 6-10	○ 3-5	○ 6-10							
9.1													
9.2													
9.3													
10.1													

...	Maschi scanalature diritte per GHISA – HSSE Straight flutes taps for CAST IRON - HSSE					Maschi scanalature diritte per GHISA-PM3 Straight flutes taps for CAST IRON – PM3			Maschi scanalature diritte per GHISA imb.E-PM3 Straight flutes taps for CAST IRON – chamfer E			Maschi SYNCHRO Synchro taps		
E20/E21...AZ-TXC	E26/E27...NQ	E26/E27...NS	E26/E27...FOR-NS	E26/E27...FOR-CT	K26/K27...TX	K26/K27...FOR-TX	K26/K27...FOR-TX	K26/K27E...TX	K26/K27E...FOR-TX	K26/K27E...FOR-TX	S20...TXC	S20...FOR-TX	S20...FOR-TXC	
TOP new	LINE	LINE	LINE	LINE	TOP	TOP	TOP new	TOP	TOP	TOP new	TOP new	TOP new	TOP new	
AZ											SR	SR	SR	
11	12-13	12-13	12-13	12-13	14	14	14	15	15	15	16	16	16	
	94-95	94-95		94-95	96	96	96	97	97	97	98	98	98	
	152	152			152	152								
	168	168			168	168								
	192	192			192	192								
C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	E (2-3)	E (2-3)	E (2-3)	C (2-3)	C (2-3)	C (2-3)	
HSSE	HSSE	HSSE	HSSE	HSSE	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	
TXC	NQ	NS	NS	TiCN	TiAlN	TiAlN	TiAlN	TiAlN	TiAlN	TiAlN	TXC	TXC	TXC	
Al-Cu-Fe	GG	GG	GG	GG	GG	GG	GG	GG	GG	GG	Synchro R	Synchro R	Synchro R	
1,5xD	3xD	3xD	3,5xD	3,5xD	3xD	3,5xD	3,5xD	3xD	3,5xD	3,5xD	3xD	3,5xD	3,5xD	
1.1	■ 20-30													
1.2														
1.3														
1.4														
1.5											○ 10-15	○ 10-15	○ 10-15	
1.6											■ 8-10	■ 8-10	■ 8-10	
1.7														
1.8														
2.1														
2.2														
2.3														
2.4														
3.1	■ 10-15	■ 20-25	■ 20-25	■ 20-25	■ 25-30	■ 25-30	■ 25-30	■ 20-25	■ 20-25	■ 20-25	■ 25-30	■ 25-30	■ 25-30	
3.2	■ 8-10	■ 15-20	■ 15-20	■ 15-20	■ 20-25	■ 20-25	■ 20-25	■ 15-20	■ 15-20	■ 15-20	■ 20-25	■ 20-25	■ 20-25	
3.3	○ 8-10	○ 15-20	○ 15-20	○ 15-20	○ 20-25	○ 20-25	○ 20-25	○ 15-20	○ 15-20	○ 15-20	○ 20-25	○ 20-25	○ 20-25	
3.4	○ 10-15	○ 20-25	○ 20-25	○ 20-25	○ 25-30	○ 25-30	○ 25-30	○ 20-25	○ 20-25	○ 20-25	○ 25-30	○ 25-30	○ 25-30	
3.5	○ 8-10	○ 15-20	○ 15-20	○ 15-20	■ 20-25	■ 20-25	■ 20-25	■ 15-20	■ 15-20	■ 15-20	■ 20-25	■ 20-25	■ 20-25	
4.1	○ 20-25													
4.2	■ 25-30													
4.3	○ 15-20	○ 30-40	○ 30-40	○ 30-40							○ 30-40	○ 30-40	○ 30-40	
4.4	■ 10-15	■ 25-30	■ 25-30	■ 25-30	○ 25-30	○ 25-30	○ 25-30	○ 25-30	○ 25-30	○ 25-30	■ 25-30	■ 25-30	■ 25-30	
4.5	■ 10-15	○ 20-30	○ 20-30	■ 20-30							■ 30-40	■ 30-40	■ 30-40	
4.6	■ 10-15	○ 20-30	○ 20-30	■ 20-30							■ 30-40	■ 30-40	■ 30-40	
5.1	○ 15-20													
5.2	■ 20-25													
5.3	■ 18-20	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 35-40	■ 35-40	■ 35-40	
5.4					○ 5-8	○ 5-8	○ 5-8				○ 8-10	○ 8-10	○ 8-10	
6.1														
6.2														
6.3														
7.1														
7.2														
7.3														
8.1	○ 25-30													
8.2	■ 8-10	■ 10-15	■ 10-15	■ 10-15							■ 20-25	■ 20-25	■ 20-25	
8.3											■ 10-15	■ 10-15	■ 10-15	
9.1														
9.2														
9.3														
10.1	○ 10-15	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 20-25	○ 20-25	○ 20-25	

Maschi scanalature diritte per alta resistenza - HR Straight flutes taps for high strength materials - HR				Maschi scanalature diritte in metallo duro - MD Straight flutes taps, hard material - HM			Maschi con imbocco coretto per fori passanti Spiral point taps for through holes				Maschi con imbocco coretto sinistri LH Spiral point taps for through holes - left LH		
TOP	TOP new	TOP new	TOP new	TOP	TOP	TOP new	LINE	LINE	LINE	LINE new	LINE	LINE	LINE
≤ 45HRC			≤ 52HRC			≤ 62HRC					LH	LH	LH
17	17	17	18	19	19	19	20-21	20-21	20-21	20-21 (TXC)	22	22	22
							23		23				
							23		23				
							24		24				
99	99	99		99			100-103	100-103	100-103	100-103 (TXC)	104		104
							105						
							105						
							153	153	153	153			
							169	169	169	169			
							183		183				
							193	193	193	193			
							220	220	220	220			
							222 (PG)		222 (PG)				
							231			231			
C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	D (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)
PM3	PM3	PM3	PM1	MDI/HM	MDI/HM	MDI/HM	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
TXC	TXC	TXC	TiAlN	Br	TiCN	TiCN	Br	V	TiN	TXC/XP	Br	V	TiN
HR	HR	HR	HR	GG	GG	HR	N	N	N	N	N	N	N
1,5xD	3,5xD	3,5xD	1,5xD	3,5xD	3,5xD	1,5xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD
1.1							○ 10-15	■ 10-15	■ 20-30	■ 20-30	○ 10-15	■ 10-15	■ 20-30
1.2							■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 10-15	■ 10-15	■ 20-30
1.3	○ 25-30	○ 25-30					■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 10-12	■ 10-12	■ 20-25
1.4	■ 20-25	■ 20-25					○ 8-10	○ 8-10	■ 15-20	■ 15-20	○ 8-10	○ 8-10	■ 15-20
1.5	○ 5-12	■ 5-12	■ 5-12										
1.6	■ 5-8	■ 5-8	■ 5-8	○ 5-8									
1.7				■ 4-6			○ 4-6						
1.8							■ 1-4						
2.1										○ 10-15			
2.2										○ 8-10			
2.3													
2.4													
3.1	■ 25-30	■ 25-30		■ 30-40	■ 40-60								
3.2	■ 20-25	■ 20-25		■ 25-30	■ 30-40								
3.3	○ 20-25	○ 20-25		○ 25-30	○ 30-40				○ 10-15	○ 10-15			○ 10-15
3.4	○ 25-30	○ 25-30		○ 30-40	○ 40-60				■ 15-20	■ 15-20			■ 15-20
3.5	■ 20-25	■ 20-25		■ 25-30	■ 30-40								
4.1							○ 10-15	■ 10-15	○ 20-25		○ 10-15	■ 10-15	○ 20-25
4.2							■ 15-20	■ 15-20	■ 25-30	■ 25-30	■ 15-20	■ 15-20	■ 25-30
4.3	○ 30-40	■ 30-40	■ 30-40	○ 40-50	○ 60-70				○ 20-25	○ 20-25			○ 20-25
4.4	■ 25-30	■ 25-30	■ 25-30	■ 30-40	■ 40-60								
4.5	■ 20-30	■ 20-30	■ 20-30	■ 40-60	■ 60-80								
4.6	■ 20-30	■ 20-30	■ 20-30	■ 40-60	■ 60-80								
5.1							○ 8-12	■ 8-12	○ 15-20		○ 8-12	■ 8-12	○ 15-20
5.2							○ 10-15	■ 10-15	■ 20-25	■ 20-25	○ 10-15	■ 10-15	■ 20-25
5.3	■ 25-30	■ 25-30	■ 25-30	○ 40-50	○ 60-70								
5.4	○ 5-8	a 5-8	○ 5-8	■ 5-8	○ 8-10	○ 12-15	■ 5-10						
6.1								○ 5-8				○ 5-8	
6.2													
6.3													
7.1								○ 6-8				○ 6-8	
7.2													
7.3													
8.1													
8.2	■ 10-15	○ 10-15	○ 10-15	○ 20-25	○ 30-35								
8.3	■ 6-10	○ 6-10	○ 6-10	○ 10-15	○ 15-20								
9.1				○ 3-5		■ 5-10							
9.2													
9.3				○ 2-3		■ 4-8							
10.1	○ 15-20	■ 15-20	■ 15-20	■ 20-25	■ 30-35								

Maschi lunghi imbocco corretto Spiral point taps, long shank		Maschi imbocco corretto per Al-Fe-Cu Spiral point taps for Al-Fe-Cu						Maschi imbocco corretto per fori passanti HSSP 8%Co Spiral point taps for through holes – HSSP steel 8% Co				Maschi imbocco corretto Univ. Universal spiral point taps	
L24/L25...	L24/L25...CT	E24/E25...AL	E24/E25...AL-VS	E24/E25...AL-TXC	E24/E25...AZ	E24/E25...AZ-TXC	E24/E25...NC	P24/P25...	P24/P25...V	P24/P25...T	P24/P25...CT	K24/K25...XP	K24/K25...FORXP
LINE	LINE	LINE new	LINE new	TOP new	LINE	TOP new	LINE new	PLUS	PLUS	PLUS	PLUS	TOP new	TOP new
XL 25	XL 25	Al 26	Al 26	Al 26	AZ 27	AZ 27	Cu 27	28	28	28	28	29	29
		106	106				106	107	107	107	107	108	108
												154	154
												170	170
												194	194
B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)
HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSP	HSSP	HSSP	HSSP	PM3	PM3
Br	TiCN	Br	VS	TXC	Br	TXC	CrN	Br	V	TiN	TiCN	XP	XP
N	N	Al-Cu-Fe	Al-Cu-Fe	Al-Cu-Fe	Al-Cu-Fe	Al-Cu-Fe	Al-Cu-Fe	N	N	N	N	U	U
3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3,5xD
1.1	○ 10-15	■ 20-30	○ 10-15	○ 10-15	○ 20-30	■ 10-15	■ 20-30	■ 20-30	○ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 20-30
1.2	■ 10-15	■ 20-30						■ 20-30	■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 20-30
1.3	■ 10-12	■ 20-25						■ 20-25	■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 20-25
1.4	○ 8-10	■ 15-20						■ 15-20	■ 8-10	■ 8-10	■ 15-20	■ 15-20	■ 15-20
1.5											○ 5-12	○ 5-12	■ 5-12
1.6													
1.7													
1.8													
2.1												○ 10-15	■ 10-15
2.2												○ 8-10	■ 8-10
2.3												■ 6-8	■ 6-8
2.4													
3.1													
3.2													
3.3													
3.4											○ 10-15	○ 10-15	■ 10-15
3.5											■ 15-20	■ 15-20	■ 15-20
4.1	○ 10-15	■ 10-15	■ 10-15	○ 20-25	○ 10-15	○ 20-25		○ 10-15	■ 10-15	○ 20-25			
4.2	■ 15-20	■ 25-30	■ 15-20	■ 15-20	■ 25-30	■ 15-20	■ 25-30		■ 15-20	■ 15-20	○ 20-25	■ 25-30	■ 25-30
4.3		○ 20-25			■ 20-25						○ 20-25	○ 20-25	■ 20-25
4.4													
4.5													
4.6													
5.1	○ 8-12		○ 8-12	■ 8-12	○ 15-20	○ 8-12	○ 15-20	■ 15-20	○ 8-12	■ 8-12	○ 15-20		
5.2	○ 10-15	■ 20-25	○ 10-15	■ 10-15	■ 20-25	■ 10-15	■ 20-25	■ 20-25	○ 10-15	■ 10-15	■ 20-25	■ 20-25	■ 20-25
5.3													
5.4													
6.1			■ 5-8			○ 5-8				○ 5-8			
6.2													
6.3													
7.1			■ 6-8			○ 6-8				○ 6-8			
7.2													
7.3													
8.1			■ 20-25	■ 20-25		○ 20-25							
8.2													
8.3													
9.1													
9.2													
9.3													
10.1													

Maschi imbocco corretto Synchro Synchro spiral point taps		Maschi imbocco corretto HR Spiral point taps - HR		Maschi imbocco corretto per INOX Spiral point taps for stainless steel				Maschi elica 15° sinistra, fori passanti Spiral flutes taps, 15° left for through holes			Maschi elica 15° sin Titano e Nichel... Spiral flutes taps, 15° left for Titanium and Nickel...		
S24...TXC	S24...FOR-TXC	K24K25...TXC	K24K25...FOR-TXC	E24/E25...X-V	V24/V25...TXC	K24K25...X-TXC	K24K25...XFOR-TXC	E50/E51...	E50/E51...V	E50/E51...XP	K52/K53...V	K52/K53...CT	K52...NI
TOP new	TOP new	TOP new	TOP new	LINE	TOP	TOP	TOP	LINE	LINE	LINE new	TOP new	TOP new	TOP new
SR	SR							L15°	L15°	L15°	Ti	Ti	Ni
30	30	31	31	32	32	32	32	33	33	33	L15° 34	L15° 34	L10° 35
											34		35
109	109	110	110	111	111	111	111	112	112	112	113	113	114
											113		114
					155						156	156	
					171						172	172	
195	195					196							
B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	B (4-5)	D (4-5)	D (4-5)	D (4-5)	D (4-5)	D (4-5)	D (4-5)
PM3	PM3	PM3	PM3	HSSE	HSSV3	PM3	PM3	HSSE	HSSE	HSSE	PM3	PM3	PM3
TXC	TXC	TXC	TXC	V	TXC	TXC	TXC	Br	V	XP	V	TiCN	Br
Synchro R	Synchro R	HR	HR	INOX	INOX	INOX	INOX	N	N	N	Ti	Ti	Ni
3xD	3,5xD	3xD	3,5xD	3xD	3xD	3xD	3,5xD	3xD	3xD	3xD	3xD	3xD	3xD
1.1	■ 40-45	■ 40-45						○ 10-15	■ 10-15	■ 20-30			
1.2	■ 40-45	■ 40-45						■ 10-15	■ 10-15	■ 20-30			
1.3	■ 35-40	■ 35-40			■ 20-25	■ 20-25	■ 20-25	■ 10-12	■ 10-12	■ 20-25			
1.4	■ 25-30	■ 25-30			■ 15-20	■ 15-20	■ 15-20	○ 8-10	○ 8-10	■ 15-20			
1.5	■ 10-15	■ 10-15	■ 5-12	■ 5-12	○ 5-12	■ 5-12	■ 5-12						
1.6			■ 5-8	■ 5-8		○ 5-8	○ 5-8						■ 5-8
1.7													
1.8													
2.1	■ 20-25	■ 20-25			■ 6-8	■ 10-15	■ 10-15	■ 10-15					
2.2	■ 15-20	■ 15-20			■ 5-7	■ 8-10	■ 8-10	■ 8-10					
2.3	■ 10-15	■ 10-15			○ 3-5	■ 6-8	■ 6-8	■ 6-8					
2.4	■ 10-12	■ 10-12				○ 6-8	■ 6-8	■ 6-8					■ 6-8
3.1													
3.2													
3.3	■ 20-25	■ 20-25	■ 15-20	■ 15-20						○ 10-15			■ 15-20
3.4	■ 25-30	■ 25-30	■ 20-25	■ 20-25						○ 15-20			■ 20-25
3.5													
4.1	■ 30-40	■ 30-40											
4.2	■ 45-50	■ 45-50								○ 15-20			
4.3	■ 30-40	■ 30-40									○ 20-25		
4.4			○ 25-30	○ 25-30									○ 25-30
4.5	■ 30-40	■ 30-40											
4.6	■ 30-40	■ 30-40											
5.1	■ 20-25	■ 20-25											
5.2	■ 25-30	■ 25-30								○ 10-15	○ 20-25		
5.3	■ 35-40	■ 35-40	■ 25-30	■ 25-30									■ 25-30
5.4													○ 5-8
6.1	■ 20-30	■ 20-30								○ 5-8		■ 5-10	
6.2	■ 12-15	■ 12-15											■ 4-8
6.3													■ 2-4
7.1	■ 20-30	■ 20-30								○ 6-8			
7.2	■ 8-12	■ 8-12											■ 2-4
7.3													■ 2-3
8.1													
8.2													
8.3													
9.1													
9.2													■ 1-2
9.3													
10.1													■ 2-3

...		Maschi elicoidali 15° per fori ciechi Spiral flutes taps 15° for blind holes					Maschi elicoidali 15° Al-Cu-Fe Spiral flutes taps 15° for Al-Cu-Fe				Maschi elicoidali 15° in acciaio HSSP 8% Co Spiral flutes taps 15°, HSSP steel 8%Co			
K52...NI-CT		E40/E41...	E40/E41...V	E40/E41...T	E40/E41...XP	E40/E41...FOR	E40/E41...FOR-T	E40/E41...AZ	E40/E41...AZ-V	E40/E41...NC	P40/P41...	P40/P41...V	P40/P41...T	P40/P41...CT
TOP new		LINE	LINE	LINE	LINE new	LINE	LINE	LINE	LINE	LINE new	PLUS	PLUS	PLUS	PLUS
Ni		R15°	R15°	R15°	R15°	R15°	R15°	AZ	AZ	Cu	R15°	R15°	R15°	R15°
L10°		36-37	36-37	36-37	36-37	36-37	38	41	41	41	42	42	42	42
35		39	39	39	39	39	38							
114		115-117	115-117	115-117	115-117	118	118				119	119	119	119
		157	157	157	157									
		173	173	173	173									
		197	197	197										
D (4-5)		C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
PM3		HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
TiCN		Br	V	TiN	XP	Br	TiN	Br	V	CrN	Br	V	TiN	TiCN
Ni		N	N	N	N	N	N	Al-Cu-Fe	Al-Cu-Fe	Al-Cu-Fe	N	N	N	N
3xD		1,5xD	1,5xD	1,5xD	1,5xD	2,5xD	2,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD	1,5xD
1.1		○ 10-15	■ 10-15	■ 20-30	■ 20-30	○ 10-15	■ 20-30	■ 10-15	■ 10-15	■ 20-30	○ 10-15	■ 10-15	■ 20-30	■ 20-30
1.2		■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 10-15	■ 20-30			■ 20-30	■ 10-15	■ 10-15	■ 20-30	■ 20-30
1.3		■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 10-12	■ 20-25			■ 20-25	■ 10-12	■ 10-12	■ 20-25	■ 20-25
1.4		○ 8-10	○ 8-10	■ 15-20	■ 15-20	○ 8-10	■ 15-20			■ 15-20	■ 8-10	■ 8-10	■ 15-20	■ 15-20
1.5													○ 5-12	○ 5-12
1.6	■ 5-8													
1.7														
1.8														
2.1														
2.2														
2.3														
2.4														
3.1														
3.2														
3.3				○ 10-15	○ 10-15		○ 10-15						○ 10-15	○ 10-15
3.4				■ 15-20	■ 15-20		■ 15-20						■ 15-20	■ 15-20
3.5														
4.1		○ 10-15	■ 10-15	○ 20-25		○ 10-15	○ 20-25	○ 10-15	○ 10-15		○ 10-15	■ 10-15	○ 20-25	
4.2		■ 15-20	■ 15-20	■ 25-30	■ 25-30	■ 15-20	■ 25-30	■ 15-20	■ 15-20		■ 15-20	■ 15-20	■ 25-30	■ 25-30
4.3				○ 20-25	○ 20-25		○ 20-25						○ 20-25	○ 20-25
4.4														
4.5														
4.6														
5.1		○ 8-12	■ 8-12	○ 15-20		○ 8-12	○ 15-20	○ 8-12	○ 8-12	■ 15-20	○ 8-12	■ 8-12	○ 15-20	
5.2		○ 10-15	■ 10-15	■ 20-25	■ 20-25	○ 10-15	■ 20-25	■ 10-15	■ 10-15	■ 20-25	○ 10-15	■ 10-15	■ 20-25	■ 20-25
5.3														
5.4	■ 5-8													
6.1			○ 5-8					○ 5-8	○ 5-8			○ 5-8		
6.2														
6.3														
7.1			○ 6-8					○ 6-8	○ 6-8			○ 6-8		
7.2	■ 2-4													
7.3														
8.1								○ 20-25	○ 20-25					
8.2														
8.3														
9.1	■ 3-5													
9.2														
9.3														
10.1														

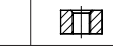







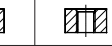















Maschi elicoidali 15° HR Spiral flutes taps 15° - HR		Maschi elicoidali 15° Titanio Spiral flutes taps 15° - Titanium			Maschi elicoidali 10° Nichel Spiral flutes taps 10° - Nickel			Maschi elicoidali 40° Spiral flutes taps 40°					
K40/K41...TXC	K40/K41...FOR-TXC	K42/K43...V	K42/K43...CT	K28/K29...AZ-V	K42...Ni	K42...Ni-CT	K28/K29...V	E60/E61...	E60/E61...V	E60/E61...T	E60/E61...TXC	E60/E61...FOR	E60/E61...FOR-T
TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	LINE	LINE	LINE	LINE new	LINE	LINE
		Ti	Ti	Ti-AZ	Ni	Ni	Ni						
R15°	R15°	R15°	R15°	R15°	R10°	R10°	R25°	R40°	R40°	R40°	R40°	R40°	R40°
43	43	44	44	44	45	45	45	46-47	46-47	46-47	46-47 (TXC)	48	48
		44			45			50			50		
								50			50		
								51			51		
		120	120		121	121		122-126	122-126	122-126	122-126(TXC)	127	127
		120			121			129					
								129					
		158	158					159	159	159	159		
		174	174					175	175	175	175		
								184			184		
								198	198	198	198		
								221	221	221	221		
								232			232		
C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
PM3	PM3	PM3	PM3	PM	PM3	PM3	PM	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
TXC	TXC	V	TiCN	V	Br	TiCN	V	Br	V	TiN	TXC/XP	Br	TiN
HR	HR	Ti	Ti	Ti	Ni	Ni	Ni	N	N	N	N	N	N
1,5xD	2,5xD	1,5xD	1,5xD	2,5xD	1,5xD	1,5xD	2,5xD	2,5xD	2,5xD	2,5xD	2,5xD	3xD	3xD
1.1								○ 10-15	■ 10-15	■ 20-30	■ 20-30	○ 10-15	■ 20-30
1.2								■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 10-15	■ 20-30
1.3								■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 10-12	■ 20-25
1.4								○ 8-10	○ 8-10	■ 15-20	■ 15-20	○ 8-10	■ 15-20
1.5	■ 5-12	■ 5-12											
1.6	■ 5-8	■ 5-8		■ 5-8			■ 5-8						
1.7													
1.8													
2.1													
2.2											○ 10-15		
2.3											○ 8-10		
2.4				■ 6-8									
3.1													
3.2													
3.3	■ 15-20	■ 15-20		■ 15-20						○ 10-15	○ 10-15		○ 10-15
3.4	■ 20-25	■ 20-25		■ 20-25						■ 15-20	■ 15-20		■ 15-20
3.5													
4.1								○ 10-15	■ 10-15	○ 20-25	○ 20-25	○ 10-15	○ 20-25
4.2								■ 15-20	■ 15-20	■ 25-30	■ 25-30	■ 15-20	■ 25-30
4.3										○ 20-25	○ 20-25		○ 20-25
4.4	○ 25-30	○ 25-30		○ 25-30									
4.5	■ 20-30	■ 20-30											
4.6	■ 20-30	■ 20-30											
5.1								○ 8-12	■ 8-12	○ 15-20		○ 8-12	○ 15-20
5.2								○ 10-15	■ 10-15	■ 20-25	■ 20-25	○ 10-15	■ 20-25
5.3	■ 25-30	■ 25-30		■ 25-30									
5.4				○ 5-8			■ 5-8						
6.1			■ 5-10	■ 5-10									
6.2				■ 4-8	■ 4-8								
6.3				■ 2-4									
7.1													■ 6-8
7.2				■ 2-4			■ 2-4		■ 2-4				
7.3							■ 2-3						
8.1													
8.2													
8.3													
9.1													
9.2				■ 1-2									
9.3							■ 2-3						
10.1													

Maschi elicoidali 40° in acciaio HSSP 8% Co, imbocco E Spiral flutes taps 40°, HSSP steel 8%Co, chamfer E				Maschi elicoidali 40°, rastremazione posteriore del filetto Spiral flutes taps 40°, back tapered thread				Maschi elicoidali 45° in acciaio HSSE Spiral flutes taps 45° HSSE steel				Maschi el. 45° imp. universali... Spiral flutes taps 45° univ. appl...	
P60/P61E...	P60/P61E...XP	P60/P61E...FOR	P60/P61E...FOR-XP	E80/E81...	E80/E81...V	E80/E81...T	E80/E81...XP	E82/E83...	E82/E83...V	E82/E83...T	E82/E83...XP	K82/K83...XP	K82/K83...FOR-XP
PLUS	PLUS new	PLUS new	PLUS new	LINE	LINE	LINE	LINE new	LINE new	LINE new	LINE new	LINE new	TOP new	TOP new
				BT	BT	BT	BT					BT	BT
R40°	R40°	R40°	R40°	R40°	R40°	R40°	R40°	R45°	R45°	R45°	R45°	R45°	R45°
57	57	57	57	58	58	58	58	59	59	59	59	60	60
				132	132	132	132	133	133	133	133	134	134
												160	160
												176	176
												199	199
E (1,5-2)	E (1,5-2)	E (1,5-2)	E (1,5-2)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
HSSP	HSSP	HSSP	HSSP	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	PM3	PM3
Br	XP	Br	XP	Br	V	TiN	XP	Br	V	TiN	XP	XP	XP
N	N	N	N	N	N	N	N	N	N	N	N	U	U
2,5xD	2,5xD	3xD	3xD	2,5÷3xD	2,5÷3xD	2,5÷3xD	2,5÷3xD	3xD	3xD	3xD	3xD	3xD	3xD
1.1	○ 10-15	■ 20-30	○ 10-15	■ 20-30	○ 10-15	■ 10-15	■ 20-30	■ 20-30	○ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 20-30
1.2	■ 10-15	■ 20-30	■ 10-15	■ 20-30	■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 10-15	■ 10-15	■ 20-30	■ 20-30	■ 20-30
1.3	■ 10-12	■ 20-25	■ 10-12	■ 20-25	■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 10-12	■ 10-12	■ 20-25	■ 20-25	■ 20-25
1.4	■ 8-10	■ 15-20	■ 8-10	■ 15-20	○ 8-10	○ 8-10	■ 15-20	■ 15-20	○ 8-10	○ 8-10	■ 15-20	■ 15-20	■ 15-20
1.5		○ 5-12		○ 5-12								■ 5-12	■ 5-12
1.6													
1.7													
1.8													
2.1		○ 10-15		○ 10-15		○ 6-8		○ 10-15		○ 6-8		○ 10-15	■ 10-15
2.2		○ 8-10		○ 8-10		○ 5-7		○ 8-10		○ 5-7		○ 8-10	■ 8-10
2.3												■ 6-8	■ 6-8
2.4													
3.1													
3.2													
3.3		○ 10-15		○ 10-15								■ 10-15	■ 10-15
3.4		■ 15-20		■ 15-20								■ 15-20	■ 15-20
3.5													
4.1	○ 10-15		○ 10-15										
4.2	■ 15-20	■ 25-30	■ 15-20	■ 25-30									
4.3		○ 20-25		○ 20-25					○ 15-20	○ 15-20	○ 25-30	○ 25-30	○ 25-30
4.4												○ 20-25	○ 20-25
4.5													
4.6													
5.1	○ 8-12		○ 8-12	○ 8-12	■ 8-12	○ 15-20							
5.2	○ 10-15	■ 20-25	○ 10-15	■ 20-25	○ 10-15	■ 10-15	■ 20-25	■ 20-25	○ 10-15	○ 10-15	○ 20-25	○ 20-25	○ 20-25
5.3													
5.4													
6.1													
6.2													
6.3													
7.1													
7.2													
7.3													
8.1													
8.2													
8.3													
9.1													
9.2													
9.3													
10.1													

...	Maschi el. 40° Synchro Spiral flutes taps 40° Synchro			Maschi elicoidali 25° per GHISA Spiral flutes taps 25° for CAST IRON			Maschi elicoidali 40° HR Spiral flutes taps 40° - HR		Maschi elicoidali 40° - 48° per INOX Spiral flutes taps 40° - 48° for stainless steel				Maschi a rullare senza canali... Roll taps without oil groove...	
	K82/K83...FOR-XP	S80...TXC	S80...FOR-TXC	K28/K29...	K28/K29...CT	K28/K29...FOR-CT	K80/K81...TXC	K80/K81...FOR-TXC	E80/E81...X-V	V82/V83...TXC	K82/K83...X-TXC	K82/K83...XFOR-TXC	P25C...	P25C...V
	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	LINE	TOP	TOP	TOP	LINE	LINE
	BT R45° 60	SR-BT R40° 61	SR-BT R40° 61	BT R25° 62	BT R25° 62	BT R25° 62	BT R40° 63	BT R40° 63	SR-IT R48° 64	SR-IT R48° 64	SR-IT R48° 65	SR-IT R48° 65	P-series 68	P-series 68
													69	69
	134	135	135				136	136		137	137	137	138	138
													139	139
	160									161			162	
	176									177			178	
	199	200	200							201				
	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
	PM3	PM3	PM3	PM	PM	PM	PM3	PM3	HSSE	HSSV3	PM3	PM3	HSSP	HSSP
	XP	TXC	TXC	Br	TiCN	TiCN	TXC	TXC	V	TXC	TXC	TXC	Br	V
	N	Synchro R	Synchro R	GG	GG	GG	HR	HR	INOX	INOX	INOX	INOX	N	N
	3xD	2,5xD	2,5xD	2,5xD	2,5xD	2,5xD	2,5xD	3xD	2,5xD	3,5xD	3,5xD	3,5xD	3xD	3xD
1.1	■ 20-30	■ 40-45	■ 40-45										○ 15-20	■ 15-20
1.2	■ 20-30	■ 40-45	■ 40-45										○ 15-20	■ 15-20
1.3	■ 20-25	■ 35-40	■ 35-40							■ 20-25	■ 20-25	■ 20-25	○ 15-18	■ 15-20
1.4	■ 15-20	■ 25-30	■ 25-30	○ 8-10	■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 15-20		
1.5	■ 5-12	■ 10-15	■ 10-15	○ 3-5	■ 5-12	■ 5-12	■ 5-12	■ 5-12		○ 5-12	■ 5-12	■ 5-12		
1.6														
1.7														
1.8														
2.1	■ 10-15	■ 20-25	■ 20-25						■ 6-8	■ 10-15	■ 10-15	■ 10-15		
2.2	■ 8-10	■ 15-20	■ 15-20						■ 5-7	■ 8-10	■ 8-10	■ 8-10		
2.3	■ 6-8	■ 10-15	■ 10-15						○ 3-5	■ 6-8	■ 6-8	■ 6-8		
2.4		■ 10-12	■ 10-12							○ 6-8	■ 6-8	■ 6-8		
3.1														
3.2														
3.3	■ 10-15	■ 20-25	■ 20-25	○ 8-10	■ 15-20	■ 15-20	■ 15-20	■ 15-20						
3.4	■ 15-20	■ 25-30	■ 25-30	○ 10-15	■ 20-25	■ 20-25	■ 20-25	■ 20-25						
3.5														
4.1													○ 20-30	■ 20-30
4.2	○ 25-30	■ 45-50	■ 45-50										○ 25-35	■ 25-35
4.3	○ 20-25	■ 30-40	■ 30-40											
4.4														
4.5														
4.6														
5.1														○ 10-15
5.2	○ 20-25	■ 25-30	■ 25-30											○ 10-15
5.3														
5.4														
6.1														
6.2														
6.3														
7.1														
7.2														
7.3														
8.1														
8.2														
8.3														
9.1														
9.2														
9.3														
10.1														

...	Maschi a rullare con canalini Roll taps with oil groove				Maschi a rullare per fori passanti Roll taps for through holes				Maschi a rullare sinistri LH Roll taps left - LH				Maschi a rull. senza can. PM3... Roll taps without oil groove PM3...	
	P2SC...T	P2CC...V	P2CC...T	P2SC...FP	P2SC...FP-T	P2CC...FP	P2CC...FP-T	P2SC...LH	P2SC...LH-T	P2CC...LH	P2CC...LH-T	X2SC...NC	X2SC...TG	
	LINE	LINE	LINE	LINE new	LINE new	LINE new	LINE new	LINE new	LINE new	LINE new	LINE new	TOP new	TOP	
	P-series	P-series	P-series	P-series	P-series	P-series	P-series	LH	LH	LH	LH	Al, Cu, Fe	X-series	
	68	70	70	70	72	72	72	73	73	73	73	74	74	
													74 new	
	138	140	140	140	142	142	142	143	143	143	143		144	
	139	141	141	141									144	
	162	162		162										
	178	178		178										
		202		202										
	C (2-3)	C (2-3)	C (2-3)	C (2-3)	D (4-5)	D (4-5)	D (4-5)	D (4-5)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	
	HSSP	HSSP	HSSP	HSSP	HSSP	HSSP	HSSP	HSSP	HSSP	HSSP	HSSP	HSSP	PM3	
	TiN	Br	V	TiN	Br	TiN	Br	TiN	Br	TiN	Br	TiN	CrN	
	N	N	N	N	N	N	N	N	N	N	N	N	N	
	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	
1.1	■ 20-30	○ 15-20	■ 15-20	■ 20-30	○ 15-20	■ 20-30	○ 15-20	■ 20-30	○ 15-20	■ 20-30	○ 15-20	■ 20-30	■ 30-40	
1.2	■ 20-30	○ 15-20	■ 15-20	■ 20-30	○ 15-20	■ 20-30	○ 15-20	■ 20-30	○ 15-20	■ 20-30	○ 15-20	■ 20-30	■ 30-40	
1.3	■ 20-25	○ 15-18		■ 20-25	○ 15-18	■ 20-25	○ 15-18	■ 20-25	○ 15-18	■ 20-25	○ 15-18	■ 20-25	■ 30-35	
1.4	○ 15-20			○ 15-20		○ 15-20		○ 15-20		○ 15-20		○ 15-20	■ 25-30	
1.5													○ 10-15	
1.6														
1.7														
1.8														
2.1	■ 10-15			■ 10-15		■ 10-15		■ 10-15		■ 10-15		■ 10-15	■ 10-15	
2.2	■ 10-12			■ 10-12		■ 10-12		■ 10-12		■ 10-12		■ 10-12	■ 10-12	
2.3	○ 6-10			○ 6-10		○ 6-10		○ 6-10		○ 6-10		○ 6-10	■ 6-10	
2.4													○ 6-8	
3.1														
3.2														
3.3														
3.4														
3.5														
4.1	■ 35-40	○ 20-30	■ 20-30	■ 35-40	○ 20-30	■ 35-40	○ 20-30	■ 35-40	○ 20-30	■ 35-40	○ 20-30	■ 35-40	■ 35-40	
4.2	■ 40-45	○ 25-35	■ 25-35	■ 40-45	○ 25-35	■ 40-45	○ 25-35	■ 40-45	○ 25-35	■ 40-45	○ 25-35	■ 40-45	■ 40-45	
4.3	■ 35-40		■ 35-40	■ 35-40		■ 35-40		■ 35-40		■ 35-40		■ 35-40	■ 35-40	
4.4														
4.5														
4.6														
5.1	○ 15-20		○ 10-15	○ 15-20		○ 15-20		○ 15-20		○ 15-20		○ 15-20	■ 15-20	
5.2	○ 15-20		○ 10-15	○ 15-20		○ 15-20		○ 15-20		○ 15-20		○ 15-20	■ 15-20	
5.3														
5.4														
6.1													■ 10-20	
6.2														
6.3														
7.1													■ 15-20	
7.2													○ 5-8	
7.3														
8.1														
8.2														
8.3														
9.1														
9.2														
9.3														
10.1														

...	Maschi a rullare con canali – PM3 Roll taps with oil groove - PM3				Maschi a rullare con canali e foro di lub. Roll taps with oil groove - int. coolant supply			Maschi a rullare imbocco E Roll taps chamfer E			Maschi a rullare MDI Roll taps hard material HM		Maschi conici CORTI Taps tapered shorts	
	X2SC...CT	X2CC...NC	X2CC...TG	X2CC...CT	X2CC...TXC	X2CC...FOR-TG	X2CC...FOR-TG	X2SCE...TG	X2CCE...TG	X2CCE...FOR-TG	HM2SC...FOR-T	HM2CC...FOR-T	E21C...	E21C...VS
	TOP	TOP new	TOP	TOP	TOP new	TOP	TOP new	TOP new	TOP new	TOP new	TOP new	TOP new	LINE	LINE new
		Al, Cu, Fe												
	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	X-series	con1:16	con1:16
	74	75	75	75	76	76	76	77	77	77	78	78		
			75 new											
			144		145	145	145	146	146	146				
			144											
			202			202								
													210	210
													212	212
													214	214
	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	E (1,5-2)	E (1,5-2)	E (1,5-2)	C (2-3)	C (2-3)	C (2-3)	C (2-3)
	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	PM3	MDI/HM	MDI/HM	HSSE	HSSE
	TiCN	CrN	TiN-G	TiCN	TXC	TiN-G	TiN-G	TiN-G	TiN-G	TiN-G	TiN	TiCN	Br	VS
	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	3xD	-	-
1.1	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-50	■ 30-50	○ 3-5	○ 3-5
1.2	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-40	■ 30-50	■ 30-50	■ 3-5	■ 3-5
1.3	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-35	■ 30-45	■ 30-45	■ 5-7	■ 5-7
1.4	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 25-30	■ 30-40	■ 30-40	○ 4-6	■ 4-6
1.5	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 10-15	○ 20-30	○ 20-30		
1.6														
1.7														
1.8														
2.1	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 10-15	■ 20-25	■ 20-25		○ 3-5
2.2	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 10-12	■ 15-20	■ 15-20		○ 2-4
2.3	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 6-10	■ 10-15	■ 10-15		■ 2-3
2.4	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 6-8	○ 10-15	○ 10-15		
3.1														○ 5-7
3.2														○ 3-5
3.3													○ 3-5	■ 3-5
3.4													○ 5-7	■ 5-7
3.5														
4.1	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 40-50	■ 40-50		
4.2	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 40-45	■ 50-60	■ 50-60	○ 10-15	○ 10-15
4.3	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 35-40	■ 40-50	■ 40-50	○ 10-15	■ 10-15
4.4														○ 6-8
4.5														
4.6														
5.1	○ 15-20	■ 15-20	○ 15-20	○ 15-20	■ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 30-40	○ 30-40		
5.2	○ 15-20	■ 15-20	○ 15-20	○ 15-20	■ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 15-20	○ 30-40	○ 30-40		
5.3													○ 8-12	■ 8-12
5.4														
6.1		■ 10-20												
6.2														
6.3														
7.1	■ 15-20		■ 15-20	■ 15-20		■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 15-20	■ 30-35	■ 30-35		
7.2	○ 5-8		○ 5-8	○ 5-8		○ 5-8	○ 5-8	○ 5-8	○ 5-8	○ 5-8	○ 10-15	○ 10-15		
7.3														
8.1														
8.2														
8.3														
9.1														
9.2														
9.3														
10.1														

Maschi ISO529 imbocco corretto per fori passanti Taps ISO529 spiral point for through holes				Maschi ISO529 elicoidali 40° per fori ciechi Taps ISO529 spiral flutes 40° for blind holes				Maschi KOMBI KOMBI taps		Maschi KOMBI per Al KOMBI taps for Al		
												
529E18...	529E18...T	529E24...	529E24...T	529E60...	529E60...XP	529E80...	529E80...XP	EPF...	EPF...VS	EPFALU...	EPFALU...VS	
LINE	LINE	LINE	LINE	LINE	LINE new	LINE new	LINE new	LINE	LINE new	LINE	LINE new	
												
				R40°	R40°	R40°	R40°	R30°	R30°	R30°	R30°	
227	227	227	227	228	228	228	228	234	234	234	234	
								234	234			
B (4-5)	B (4-5)	B (4-5)	B (4-5)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	C (2-3)	
HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE	
Br	TiN	Br	TiN	Br	XP	Br	XP	Br	VS	Br	VS	
N	N	N	N	N	N	N	N	N	N	N	Al	Al
1xD	1xD	3xD	3xD	2,5xD	2,5xD	2,5xD	2,5xD	1,5xD	1,5xD	1,5xD	1,5xD	
1.1	■ 10-15	■ 20-30	○ 10-15	■ 20-30	○ 10-15	■ 20-30	○ 10-15	■ 20-30	■ 10-15	■ 10-15		
1.2	■ 10-15	■ 20-30	■ 10-15	■ 20-30	■ 10-15	■ 20-30	■ 10-15	■ 20-30	■ 10-15	■ 10-15		
1.3	■ 10-12	■ 20-25	■ 10-12	■ 20-25	■ 10-12	■ 20-25	■ 10-12	■ 20-25	■ 10-12	■ 10-12		
1.4			○ 8-10	■ 15-20	○ 8-10	■ 15-20	○ 8-10	■ 15-20	○ 8-10	○ 8-10		
1.5												
1.6												
1.7												
1.8												
2.1					○ 10-15		○ 10-15					
2.2					○ 8-10		○ 8-10					
2.3												
2.4												
3.1												
3.2												
3.3				○ 10-15		○ 10-15			○ 10-15			
3.4			■ 15-20		■ 15-20				○ 15-20			
3.5												
4.1	■ 10-15	■ 20-25	○ 10-15	○ 20-25	○ 10-15					■ 10-15	■ 10-15	
4.2	■ 15-20	■ 25-30	■ 15-20	■ 25-30	■ 15-20	■ 25-30			○ 15-20	■ 15-20	■ 15-20	
4.3				○ 20-25		○ 20-25			○ 10-15	■ 10-15		
4.4												
4.5												
4.6												
5.1	■ 8-12	■ 15-20	○ 8-12	○ 15-20	○ 8-12		○ 8-12			■ 8-12	■ 8-12	
5.2	■ 10-15	■ 20-25	○ 10-15	■ 20-25	○ 10-15	■ 20-25	○ 10-15	■ 20-25	○ 10-15	○ 10-15	■ 10-15	■ 10-15
5.3									○ 10-15	○ 10-15		
5.4												
6.1												
6.2												
6.3												
7.1												
7.2												
7.3												
8.1										○ 8-10	○ 8-10	
8.2												
8.3												
9.1												
9.2												
9.3												
10.1												

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00M		1	002-003	Line	E24M...TZ	15	026	Line	E41M...AZ	23	041	Line											
00M...LH		2	004	Line	E24M...V	11	020	Line	E41M...AZ-V	23	041	Line											
00M...X-VS		3	005	Line	E25M...X-V	18	032	Line	E41M...FOR	21	038	Line											
01M		1	002-003	Line	E25M...	11	021	Line	E41M...FOR-T	21	038	Line											
01M...LH		2	004	Line	E25M...+0,1	14	024	Line	E41M...NC	24	041	Line											
01M...X-VS		3	005	Line	E25M...4H	12	023	Line	E41M...T	21	037	Line											
02M		1	002-003	Line	E25M...-6G	13	023	Line	E41M...T+0,1	23	040	Line											
02M...LH		2	004	Line	E25M...-7G	13	024	Line	E41M...T-4H	22	039	Line											
02M...X-VS		3	005	Line	E25M...AL-TXC	15	026	Top	E41M...T-6G	22	039	Line											
03M		2	002-003	Line	E25M...AL-VS	14	026	Line	E41M...T-7G	23	040	Line											
03M...LH		2	004	Line	E25M...AZ	15	027	Line	E41M...TZ	23	041	Line											
03M...X-VS		3	005	Line	E25M...AZ-TXC	15	027	Top	E41M...V	21	037	Line											
10FCM...		3	006	Line	E25M...AZ-TZ	15	027	Line	E41M...XP	21	037	Line											
10FPM...		3	006	Line	E25M...LH	12	022	Line	E50M...	18	033	Line											
12FPM...		3	006	Line	E25M...LH-T	12	022	Line	E50M...V	19	033	Line											
E20M...		4	008	Line	E25M...LH-V	12	022	Line	E50M...XP	19	033	Line											
E20M...AZ		6	011	Line	E25M...NC	15	027	Line	E51M...	19	033	Line											
E20M...AZ-TXC		6	011	Top	E25M...T	11	021	Line	E51M...V	19	033	Line											
E20M...AZ-V		6	011	Line	E25M...T+0,1	14	024	Line	E51M...XP	19	033	Line											
E20M...LH		5	010	Line	E25M...T-4H	13	023	Line	E60M...CP-T	27	046	Line											
E20M...LH-T		6	010	Line	E25M...T-6G	13	023	Line	E60M...CP-TXC	27	046	Line											
E20M...LH-V		6	010	Line	E25M...T-7G	13	024	Line	E60M...CP-V	27	046	Line											
E20M...-OT		4	007	Line	E25M...TXC	12	021	Line	E60M...	26	046	Line											
E20M...-OT-CT		4	007	Line	E25M...TZ	15	026	Line	E60M...+0,1	30	051	Line											
E20M...SP		4	008	Line	E25M...V	11	021	Line	E60M...-4H	29	050	Line											
E20M...SP-T		5	008	Line	E26M...FOR-CT	7	012	Line	E60M...6G	29	050	Line											
E20M...SP-V		4	008	Line	E26M...FOR-NS	7	012	Line	E60M...-7G	30	051	Line											
E20M...T		5	008	Line	E26M...NQ	7	012	Line	E60M...CP	26	046	Line											
E20M...V		4	008	Line	E26M...NS	7	012	Line	E60M...FOR	28	048	Line											
E21M		5	009	Line	E26M...SP-NQ	7	012	Line	E60M...FOR-T	28	048	Line											
E21M...AZ		6	011	Line	E26M...SP-NS	7	012	Line	E60M...FOR-TXC	28	048	Line											
E21M...AZ-TXC		6	011	Top	E27M...FOR-CT	7	013	Line	E60M...LH	28	049	Line											
E21M...AZ-V		6	011	Line	E27M...FOR-NS	7	013	Line	E60M...LH-V	29	049	Line											
E21M...LH		5	010	Line	E27M...NQ	7	013	Line	E60M...LH-XP	29	049	Line											
E21M...LH-T		6	010	Line	E27M...NS	7	013	Line	E60M...NC	32	055	Line											
E21M...LH-V		6	010	Line	E27M...SP-NQ	7	013	Line	E60M...T	27	046	Line											
E21M...T		5	009	Line	E27M...SP-NS	7	013	Line	E60M...TXC	27	046	Line											
E21M...V		5	009	Line	E40M...	20	036	Line	E60M...V	27	046	Line											
E24M...X-V		18	032	Line	E40M...+0,1	23	040	Line	E60M...XP+0,1	30	051	Line											
E24M...		10	020	Line	E40M...-4H	22	039	Line	E60M...XP-4H	29	050	Line											
E24M...+0,1		14	024	Line	E40M...-6G	22	039	Line	E60M...XP-6G	30	050	Line											
E24M...4H		12	023	Line	E40M...-7G	22	040	Line	E60M...XP-7G	30	051	Line											
E24M...-6G		13	023	Line	E40M...AZ	23	041	Line	E61M...+0,1	30	051	Line											
E24M...-7G		13	024	Line	E40M...AZ-V	23	041	Line	E61M...-4H	29	050	Line											
E24M...AL		14	026	Line	E40M...FOR	21	038	Line	E61M...6G	29	050	Line											
E24M...AL-TXC		15	026	Top	E40M...FOR-T	21	038	Line	E61M...FOR	28	048	Line											
E24M...AL-VS		14	026	Line	E40M...NC	24	041	Line	E61M...FOR-T	28	048	Line											
E24M...AZ		15	027	Line	E40M...T	20	036	Line	E61M...FOR-TXC	28	048	Line											
E24M...AZ-TXC		15	027	Top	E40M...T+0,1	23	040	Line	E61M...LH	28	049	Line											
E24M...AZ-TZ		15	027	Line	E40M...T-4H	22	039	Line	E61M...LH-V	29	049	Line											
E24M...LH		12	022	Line	E40M...T-6G	22	039	Line	E61M...LH-XP	29	049	Line											
E24M...LH-T		12	022	Line	E40M...T-7G	23	040	Line	E61M...XP+0,1	30	051	Line											
E24M...LH-V		12	022	Line	E40M...TZ	23	041	Line	E61M...XP-4H	29	050	Line											
E24M...NC		15	027	Line	E40M...V	20	036	Line	E61M...XP-6G	30	050	Line											
E24M...T		11	020	Line	E40M...XP	20	036	Line	E61M...	27	047	Line											
E24M...T+0,1		14	024	Line	E41M...	21	037	Line	E61M...-7G	30	051	Line											
E24M...T-4H		13	023	Line	E41M...+0,1	23	040	Line	E61M...NC	32	055	Line											
E24M...T-6G		13	023	Line	E41M...-4H	22	039	Line	E61M...T	28	047	Line											
E24M...T-7G		13	024	Line	E41M...-6G	22	039	Line	E61M...TXC	28	047	Line											
E24M...TXC		11	020	Line	E41M...-7G	22	040	Line	E61M...V	27	047	Line											

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P60EM...		33	057	Plus	00MF...	43-44	082-084	Line	E60MF...V	59	122	Line												
P60EM...FOR		33	057	Plus	00MF...LH	44	085	Line	E61MF...	60-61	123-126	Line												
P60EM...FOR-XP		33	057	Plus	01MF...	43-44	082-084	Line	E61MF...+0,1	63	129	Line												
P60EM...XP		33	057	Plus	01MF...LH	44	085	Line	E61MF...-4H	63	129	Line												
P60M...		32	056	Plus	03MF...	43-44	082-084	Line	E61MF...-6G	63	129	Line												
P60M...T		32	056	Plus	03MF...LH	44	085	Line	E61MF...-7G	63	129	Line												
P60M...V		32	056	Plus	E20MF...	45	086	Line	E61MF...FOR	62	127	Line												
P60M...XP		32	056	Plus	E20MF...T	45	086	Line	E61MF...FOR-T	62	127	Line												
P61EM...		33	057	Plus	E21MF...	45-46	087-092	Line	E61MF...FOR-TXC	62	127	Line												
P61EM...FOR		33	057	Plus	E21MF...LH	46	093	Line	E61MF...LH	63	128	Line												
P61EM...FOR-XP		33	057	Plus	E21MF...LH-T	46	093	Line	E61MF...LH-T	63	128	Line												
P61EM...XP		33	057	Plus	E21MF...T	46	087-088	Line	E61MF...LH-XP	63	128	Line												
P61M...		32	056	Plus	E24MF...	49	100	Line	E61MF...NC	64	130	Line												
P61M...T		32	056	Plus	E24MF...T	49	100	Line	E61MF...T	60-61	123-126	Line												
P61M...V		32	056	Plus	E24MF...TXC	49	100	Line	E61MF...TXC	62	123-126	Line												
P61M...XP		32	056	Plus	E24MF...V	49	100	Line	E61MF...V	60-61	123-126	Line												
S20M...FOR-TXC		9	016	Top	E25MF...AL	52	106	Line	E71MF...	63	130	Line												
S20M...FORY-TXC		9	016	Top	E25MF...AL-VS	52	106	Line	E71MF...VS	63	130	Line												
S20M...TXC		9	016	Top	E25MF...	50	101-103	Line	E81MF...	64	132	Line												
S24M...FORY-TXC		17	030	Top	E25MF...+0,1	52	105	Line	E81MF...T	64	132	Line												
S24M...TXC		17	030	Top	E25MF...-4H	52	105	Line	E81MF...V	64	132	Line												
S80M...FOR-TXC		35	061	Top	E25MF...-6G	52	105	Line	E81MF...XP	64	132	Line												
S80M...TXC		35	061	Top	E25MF...-7G	52	105	Line	E83MF...	65	133	Line												
V24M...TXC		18	032	Top	E25MF...LH	52	104	Line	E83MF...T	65	133	Line												
V25M...TXC		18	032	Top	E25MF...LH-T	52	104	Line	E83MF...V	65	133	Line												
V82M...TXC		37	064	Top	E25MF...NC	52	106	Plas	E83MF...XP	65	133	Line												
V83M...TXC		37	064	Top	E25MF...T	51	101-103	Line	HM20MF...FOR	49	099	Top												
X2CCEM...FOR-TG		42	077	Top	E25MF...V	50	101-103	Line	HM21MF...FOR	49	099	Top												
X2CCEM...TG		42	077	Top	E25MF...TXC	51	101-103	Line	K21MF...TXC	48	099	Top												
X2CCEM...CT		41	075	Top	E25MF...X-V	54	111	Top	K23MF...FOR-TXC	49	099	Top												
X2CCM...FOR-TG		42	076	Top	E26MF...FOR-CT	46	094	Line	K23MF...FORY-TXC	49	099	Top												
X2CCM...FORY-TG		42	076	Top	E26MF...NQ	46	094	Line	K25MF...U	53	108	Top												
X2CCM...NC		41	075	Top	E26MF...NS	46	094	Line	K25MF...FORY-TXC	54	110	Top												
X2CCM...SP-CT		41	075	Top	E26MF...SP-NQ	46	094	Line	K25MF...FORY-XP	54	108	Top												
X2CCM...SP-NC		41	075	Top	E26MF...SP-NS	46	094	Line	K25MF...HR	54	110	Top												
X2CCM...SP-TG		41	075	Top	E27MF...FOR-CT	47	095	Line	K25MF...TXC	54	110	Top												
X2CCM...TG		41	075	Top	E27MF...NQ	47	095	Line	K25MF...XFORY-TXC	55	111	Top												
X2CCM...TXC		42	076	Top	E27MF...NS	47	095	Line	K25MF...XP	53	108	Top												
X2SCEM...TG		42	077	Top	E27MF...SP-NS	47	095	Line	K25MF...X-TXC	55	111	Top												
X2SCM...CT		41	074	Top	E40MF...	56	115	Line	K27EM...TX	48	097	Top												
X2SCM...NC		40	074	Top	E40MF...FOR	58	118	Line	K27EM...FOR-TX	48	097	Top												
X2SCM...SP-CT		41	074	Top	E40MF...FOR-T	58	118	Line	K27EM...FORY-TX	48	097	Top												
X2SCM...SP-NC		40	074	Top	E40MF...T	56	115	Line	K27MF...TX	47	096	Top												
X2SCM...SP-TG		40	074	Top	E40MF...V	56	115	Line	K27MF...FOR-TX	48	096	Top												
X2SCM...TG		40	074	Top	E40MF...XP	56	115	Line	K27MF...FORY-TX	48	096	Top												
X3CCM...SP-TG		41	075	Top	E41MF...	57	116-117	Line	K42MF...CT	59	120	Top												
X3CCM...TG		41	075	Top	E41MF...FOR	58	118	Line	K42MF...NI	59	121	Top												
X3SCM...SP-TG		41	074	Top	E41MF...FOR-T	58	118	Line	K42MF...NI-4HX	59	121	Top												
X3SCM...TG		41	074	Top	E41MF...T	57	116-117	Line	K42MF...NI-CT	59	121	Top												
XT20M...		10	018	Top	E41MF...V	57	116-117	Line	K42MF...V	59	120	Top												
XT20M...TX		10	018	Top	E41MF...XP	58	116-117	Line	K42MF...V-4HX	59	120	Top												
XT21M...		10	018	Top	E51MF...	55	112	Line	K43MF...CT	59	120	Top												
					E51MF...V	55	112	Line	K43MF...V	59	120	Top												
					E51MF...XP	55	112	Line	K43MF...V-4HX	59	120	Top												
					E60MF...	59	122	Line	K52MF...CT	56	113	Top												
					E60MF...FOR	62	127	Line	K52MF...NI	56	114	Top												
					E60MF...FOR-T	62	127	Line	K52MF...NI-4HX	56	114	Top												
					E60MF...FOR-TXC	62	127	Line	K52MF...NI-CT	56	114	Top												
					E60MF...T	59	122	Line	K52MF...V	55	113	Top												
					E60MF...TXC	60	122	Line	K52MF...V-4HX	56	113	Top												

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Filettatura - Thread	MF		
CODICE - code	pg. list.	pg. cat.	Typ.
K53MF...CT	56	113	Top
K53MF...V	55	113	Top
K53MF...V-4HX	56	113	Top
K81MF...FOR-TXC	66	136	Top
K81MF...HR	66	136	Top
K81MF...TXC	66	136	Top
K83MF...FOR-XP	65	134	Top
K83MF...FORY-XP	65	134	Top
K83MF...U	65	134	Top
K83MF...X-FOR-TXC	66	137	Top
K83MF...X-XP	65	134	Top
K83MF...X-TXC	66	137	Top
P25MF....	53	107	Plas
P25MF...CT	53	107	Plas
P25MF...T	53	107	Plas
P25MF...V	53	107	Plas
P2CCMF...	68	140	Line
P2CCMF...FP	69	142	Line
P2CCMF...FP-T	69	142	Line
P2CCMF...LH	69	143	Line
P2CCMF...LH-T	69	143	Line
P2CCMF...SP	68	140	Line
P2CCMF...SP-T	68	140	Line
P2CCMF...SP-V	68	140	Line
P2CCMF...T	68	140	Line
P2CCMF...V	68	140	Line
P2SCMF...	66	138	Line
P2SCMF...FP	69	142	Line
P2SCMF...FP-T	69	142	Line
P2SCMF...LH	69	143	Line
P2SCMF...LH-T	69	143	Line
P2SCMF...SP	66	138	Line
P2SCMF...SP-T	67	138	Line
P2SCMF...SP-V	67	138	Line
P2SCMF...T	67	138	Line
P2SCMF...V	67	138	Line
P3CCMF...	68	141	Line
P3CCMF...SP	68	141	Line
P3CCMF...SP-T	68	141	Line
P3CCMF...SP-V	68	141	Line
P3CCMF...T	68	141	Line
P3CCMF...V	68	141	Line
P3SCMF...	67	139	Line
P3SCMF...SP	67	139	Line
P3SCMF...SP-T	67	139	Line
P3SCMF...SP-V	67	139	Line
P3SCMF...-T	67	139	Line
P3SCMF...V	67	139	Line
P41MF....	58	119	Plus
P41MF...CT	58	119	Plus
P41MF...T	58	119	Plus
P41MF...V	58	119	Plus
P61MF...	64	131	Plus
P61MF...T	64	131	Plus
P61MF...V	64	131	Plus
P61MF...XP	64	131	Plus
S20MF...FOR-TXC	48	098	Top
S20MF...FORY-TXC	48	098	Top
S20MF...TXC	48	098	Top
S24MF...FORY-TXC	54	109	Top

Filettatura - Thread	MF		
CODICE - code	pg. list.	pg. cat.	Typ.
S24MF...TXC	54	109	Top
S80MF...TXC	65	135	Top
S80MF...FOR-TXC	66	135	Top
V25MF...TXC	54	111	Top
V83MF...TXC	66	137	Top
X2CCMF...FOR-TG	71	146	Top
X2CCMF...TG	71	146	Top
X2CCMF...FOR-TG	70	145	Top
X2CCMF...FORY-TG	70	145	Top
X2CCMF...TG	70	144	Top
X2CCMF...TXC	70	145	Top
X2SCMF...TG	71	146	Top
X2SCMF...TG	70	144	Top
X3CCMF...TG	70	144	Top
X3SCMF...TG	70	144	Top

Filettatura - Thread	UNC		
CODICE - code	pg. list.	pg. cat.	Typ.
01UNC...	72	150	Line
02UNC...	72	150	Line
03UNC...	72	150	Line
00UNC...	72	150	Line
E20UNC...	72	151	Line
E20UNC...T	73	151	Line
E21UNC...	72	151	Line
E21UNC...T	73	151	Line
E24UNC...	74	153	Line
E24UNC...T	74	153	Line
E24UNC...V	74	153	Line
E24UNC...XP	74	153	Line
E25UNC...	74	153	Line
E25UNC...T	74	153	Line
E25UNC...V	74	153	Line
E25UNC...XP	74	153	Line
E26UNC...NQ	73	152	Line
E26UNC...NS	73	152	Line
E26UNC...SP-NQ	73	152	Line
E26UNC...SP-NS	73	152	Line
E27UNC...NQ	73	152	Line
E27UNC...NS	73	152	Line
E40UNC...	76	157	Line
E40UNC...T	76	157	Line
E40UNC...V	76	157	Line
E40UNC...XP	77	157	Line
E41UNC...	76	157	Line
E41UNC...T	76	157	Line
E41UNC...V	76	157	Line
E41UNC...XP	77	157	Line
E60UNC...	77	159	Line
E60UNC...T	78	159	Line
E60UNC...V	78	159	Line
E60UNC...XP	78	159	Line
E61UNC...	77	159	Line
E61UNC...T	78	159	Line
E61UNC...V	78	159	Line
E61UNC...XP	78	159	Line
K24UNC...FORY-XP	75	154	Top

Filettatura - Thread	UNC		
CODICE - code	pg. list.	pg. cat.	Typ.
K24UNC...U	75	154	Top
K24UNC...XP	75	154	Top
K25UNC...FORY-XP	75	154	Top
K25UNC...U	75	154	Top
K25UNC...XP	75	154	Top
K26UNC...FOR-TX	73	152	Top
K26UNC...TX	73	152	Top
K27UNC...FOR-TX	73	152	Top
K27UNC...TX73		152	Top
K42UNC...CT	77	158	Top
K42UNC...V	77	158	Top
K42UNC...V-3BX	77	158	Top
K43UNC...CT	77	158	Top
K43UNC...V	77	158	Top
K43UNC...V-3BX	77	158	Top
K52UNC...CT	75	156	Top
K52UNC...V	75	156	Top
K52UNC...V-3BX	76	156	Top
K53UNC...CT	75	156	Top
K53UNC...V	75	156	Top
K53UNC...V-3BX	76	156	Top
K82UNC...FOR-XP	79	160	Top
K82UNC...FORY-XP	79	160	Top
K82UNC...U	78	160	Top
K82UNC...XP	79	160	Top
K83UNC...FOR-XP	79	160	Top
K83UNC...U	78	160	Top
K83UNC...XP	79	160	Top
P2CCUNC...	80	162	Line
P2CCUNC...T	80	162	Line
P2SCUNC...	79	162	Top
P2SCUNC...T	79	162	Top
V24UNC...TXC	75	155	Top
V25UNC...TXC	75	155	Top
V82UNC...TXC	79	161	Top
V83UNC...TXC	79	161	Top

Filettatura - Thread	UNF		
CODICE - code	pg. list.	pg. cat.	Typ.
00UNF...	81	166	Line
01UNF...	81	166	Line
03UNF...	81	166	Line
E20UNF...	82	167	Line
E20UNF...T	82	167	Line
E21UNF...	82	167	Line
E21UNF...T	82	167	Line
E24UNF...	83	169	Line
E24UNF...T	83	169	Line
E24UNF...V	83	169	Line
E24UNF...XP	83	169	Line
E25UNF...	83	169	Line
E25UNF...T	83	169	Line
E25UNF...V	83	169	Line
E25UNF...XP	83	169	Line
E26UNF...NQ	82	168	Line
E26UNF...NS	82	168	Line
E27UNF...NQ	82	168	Line
E27UNF...NS	82	168	Line

INDICE PRODOTTI

PRODUCTS INDEX

Segue - Follow	UNF		
CODICE - code	pg. list.	pg. cat.	Typ.
E40UNF...	85	173	Line
E40UNF...T	85	173	Line
E40UNF...V	85	173	Line
E40UNF...XP	85	173	Line
E41UNF...	85	173	Line
E41UNF...T	85	173	Line
E41UNF...V	85	173	Line
E41UNF...XP	85	173	Line
E60UNF...	86	175	Line
E60UNF...T	86	175	Line
E60UNF...V	86	175	Line
E60UNF...XP	87	175	Line
E61UNF...	86	175	Line
E61UNF...T	86	175	Line
E61UNF...V	86	175	Line
E61UNF...XP	87	175	Line
K24UNF...FORY-XP	84	170	Top
K24UNF...U	84	170	Top
K24UNF...XP	84	170	Top
K25UNF...FORY-XP	84	170	Top
K25UNF...U	84	170	Top
K25UNF...XP	84	170	Top
K27UNF...FOR-TX	83	168	Top
K27UNF...TX	82	168	Top
K42UNF...CT	86	174	Top
K42UNF...V	86	174	Top
K42UNF...V-3BX	86	174	Top
K43UNF...CT	86	174	Top
K43UNF...V	86	174	Top
K43UNF...V-3BX	86	174	Top
K52UNF...CT	84	172	Top
K52UNF...V	84	172	Top
K52UNF...V-3BX	85	172	Top
K53UNF...CT	84	172	Top
K53UNF...V	84	172	Top
K53UNF...V-3BX	85	172	Top
K82UNF...FOR-XP	87	176	Top
K82UNF...FORY-XP	87	176	Top
K82UNF...U	87	176	Top
K82UNF...XP	87	176	Top
K83UNF...FOR-XP	87	176	Top
K83UNF...FORY-XP	87	176	Top
K83UNF...U	87	176	Top
K83UNF...XP	87	176	Top
P2CCUNF...	88	178	Line
P2CCUNF...T	88	178	Line
P2SCUNF...	88	178	Line
P2SCUNF...T	88	178	Line
V24UNF...TXC	84	171	Top
V25UNF...TXC	84	171	Top
V82UNF...TXC	88	177	Top
V83UNF...TXC	88	177	Top

Filettatura - Thread	UNEF		
CODICE - code	pg. list.	pg. cat.	Typ.
E21UNEF...	89	182	Line
E21UNEF...T	89	182	Line
E25UNEF...	89	183	Line
E25UNEF...T	89	183	Line
E61UNEF...	89	184	Line
E61UNEF...XP	89	184	Line

Filettatura - Thread	UNS		
CODICE - code	pg. list.	pg. cat.	Typ.
E20...UNS...	90	185	Line
E20...UNS...T	90	185	Line
E21...UNS...	90	185	Line
E21...UNS...T	90	185	Line

Filettatura - Thread	UN		
CODICE - code	pg. list.	pg. cat.	Typ.
E21-12UN...	91	186	Line
E21-12UN...T	91	186	Line
E21-16UN...	91	186	Line
E21-16UN...T	91	186	Line
E21-20UN...	91	187	Line
E21-20UN...T	91	187	Line
E21-28UN...	91	187	Line
E21-28UN...T	91	187	Line
E21-32UN...	91	187	Line
E21-32UN...T	91	187	Line
E21-8UN...	91	186	Line
E21-8UN...T	91	186	Line

Filettatura - Thread	GAS		
CODICE - code	pg. list.	pg. cat.	Typ.
00G...	92	190	Line
01G...	92	190	Line
03G...	92	190	Line
E21G...	93	191	Line
E21G...T	93	191	Line
E25G...	93	193	Line
E25G...T	94	193	Line
E25G...V	93	193	Line
E25G...XP	94	193	Line
E27G...NQ	93	192	Line
E27G...NS	93	192	Line
E41G...	94	197	Line
E41G...+0,05	95	197	Line
E41G...T	95	197	Line
E41G...V	95	197	Line
E61G...	95	198	Line
E61G...T	95	198	Line
E61G...V	95	198	Line
E61G...XP	95	198	Line
K25G...FORY-XP	94	194	Top
K25G...U	94	194	Top
K25G...XP	94	194	Top
K27G...FOR-TX	93	192	Top

Segue - Follow	GAS		
CODICE - code	pg. list.	pg. cat.	Typ.
K27G...TX	93	192	Top
K83G...FOR-XP	96	199	Top
K83G...FORY-XP	96	199	Top
K83G...U	96	199	Top
K83G...XP	96	199	Top
P2CCG...	96	202	Line
P2CCG...T	96	202	Line
S24G...FORY-TXC	94	195	Top
S24G...TXC	94	195	Top
S80G...FOR-TXC	96	200	Top
S80G...TXC	96	200	Top
V25G...TXC	94	196	Top
V83G...TXC	96	201	Top
X2CCG...FOR-TG	96	202	Top
X2CCG...TG	96	202	Top

Filettatura - Thread	Rp		
CODICE - code	pg. list.	pg. cat.	Typ.
E21RP...	97	204	Line
E21RP...T	97	204	Line

Filettatura - Thread	NPSM		
CODICE - code	pg. list.	pg. cat.	Typ.
E21NPSM...	97	206	Line
E21NPSM...T	97	206	Line

Filettatura - Thread	NPSF		
CODICE - code	pg. list.	pg. cat.	Typ.
E21NPSF...	97	207	Line
E21NPSF...T	97	207	Line

Filettatura - Thread	Rc		
CODICE - code	pg. list.	pg. cat.	Typ.
E21CRC...	97	210	Line
E21CRC...VS	97	210	Line
E21LRC...	98	210	Line
E21LRC...VS	98	210	Line

Filettatura - Thread	NPT		
CODICE - code	pg. list.	pg. cat.	Typ.
E21CNPT...	98	212	Line
E21CNPT...AZ	98	213	Line
E21CNPT...AZ-VS	98	213	Line
E21CNPT...VS	98	212	Line
E21LNPT...	98	212	Line
E21LNPT...AZ	99	213	Line
E21LNPT...AZ-VS	99	213	Line
E21LNPT...VS	98	212	Line

INDICE PRODOTTI

PRODUCTS INDEX

Filettatura - Thread		NPTF		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21CNPTF...	99	214	Line	
E21CNPTF...VS	99	214	Line	
E21LNPTF...	99	214	Line	
E21LNPTF...VS	99	214	Line	

Filettatura - Thread		BSW		
CODICE - code	pg. list.	pg. cat.	Typ.	
00W...	100	218	Line	
01W...	100	218	Line	
02W...	100	218	Line	
03W...	100	218	Line	
E20W...	101	219	Line	
E20W...T	101	219	Line	
E21W...	101	219	Line	
E21W...T	101	219	Line	
E24W...	101	220	Line	
E24W...T	101	220	Line	
E24W...V	101	220	Line	
E24W...XP	102	220	Line	
E25W...	101	220	Line	
E25W...T	101	220	Line	
E25W...V	101	220	Line	
E25W...XP	102	220	Line	
E60W...	102	221	Line	
E60W...T	102	221	Line	
E60W...V	102	221	Line	
E60W...XP	102	221	Line	
E61W...	102	221	Line	
E61W...T	102	221	Line	
E61W...V	102	221	Line	
E61W...XP	102	221	Line	

Filettatura - Thread		ISO 529-EGM		
CODICE - code	pg. list.	pg. cat.	Typ.	
529E18M...	104	227	Line	
529E18M...T	104	227	Line	
529E24M...	104	227	Line	
529E24M...T	104	227	Line	
529E26M...NS	104	226	Line	
529E60M...	105	228	Line	
529E60M...XP	105	228	Line	
529E80M...	105	228	Line	
529E80M...XP	105	228	Top	
529K26M...TXC	104	226	Top	
E20EGM...	105	230	Line	
E20EGM...T	105	230	Line	
E21EGM...	105	230	Line	
E21EGM...T	105	230	Line	
E24EGM...	106	231	Line	
E24EGM...XP	106	231	Line	
E25EGM...	106	231	Top	
E25EGM...XP	106	231	Line	
E60EGM...	106	232	Line	
E60EGM...XP	106	232	Line	
E61EGM...	106	232	Line	
E61EGM...XP	106	232	Line	

Filettatura - Thread		DIES		
CODICE - code	pg. list.	pg. cat.	Typ.	
100-99M...	111	236	Line	
100E99XM...	111	236	Line	
100S99M...	111	236	Line	
110-99M...	112	237-239	Line	
110E99XM...	113	237-238	Line	
110S99M...	113	237-238	Line	
200-99W...	116	245	Line	
300-99U...	114	240	Line	
300-S99U...	114	240	Line	
310-99U...	114	241	Line	
310S99U...	114	241	Line	
400-99G...	115	242	Line	
400-E99XG...	115	242	Line	
400S99G...	115	242	Line	
410-99RC...	115	243	Line	
420-99NPT...	115	244	Line	
430-99NPTF...	115	244	Line	
700-99PG...	116	246	Line	

Filettatura - Thread		EPF		
CODICE - code	pg. list.	pg. cat.	Typ.	
EPFALUM...	107	234	Line	
EPFALUM...VS	107	234	Line	
EPFM...	107	234	Line	
EPFM...VS	107	234	Line	
EPFMF...	107	234	Line	
EPFMF...VS	107	234	Line	

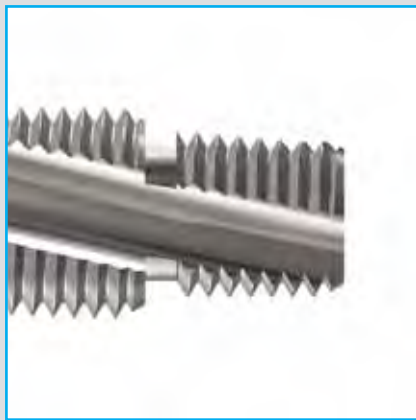
Filettatura - Thread		PG		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21PG...	103	222	Line	
E21PG...T	103	222	Line	
E25PG...	103	222	Line	
E25PG...T	103	222	Line	

Filettatura - Thread		GO / NO-GO		
CODICE - code	pg. list.	pg. cat.	Typ.	
P-NPG...	110	203	Line	
P-NPM...	108	79	Line	
P-NPMF...	108	147-148	Line	
P-NPNPT...	110	215	Line	
P-NPNPTF...	110	215	Line	
P-NPRC...	110	211	Line	
P-NPUNC...	109	163	Line	
P-NPUNEF...	109	188	Line	
P-NPUNF...	109	179	Line	

Filettatura - Thread		Tr (TPN)		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21TPN...	103	223	Line	
E21TPN...V	103	223	Line	
E21TPN...LH	103	223	Line	
E21TPN...LH-V	103	223	Line	

Filettatura - Thread		Rd		
CODICE - code	pg. list.	pg. cat.	Typ.	
E21RD...	104	224	Line	
E21RD...T	104	224	Line	







Un maschio per ogni impiego
A tap for every application

COMPLETE RANGE



M

Filettatura metrica ISO passo grosso DIN 13

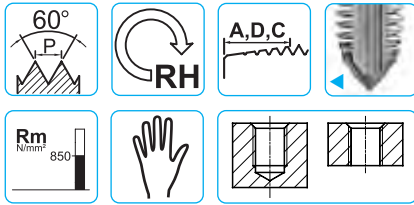
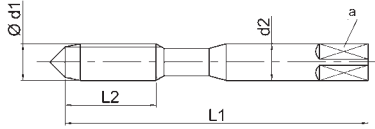
ISO Metric coarse thread DIN 13
 Metrisches ISO-Regelgewinde DIN13 – Handgewindebohrer
 Filetage métrique ISO DIN 13 – Tarauds à main
 Rosca ISO métrica regular DIN13 – Machos de roscar a mano



N USO GENERALE
 General purpose

MASCHI A MANO HAND TAPS

DIN 352



Profondità di filettatura - Thread depth	2xD
Materiale - Material	HSS
Tolleranza - Tolerance	-
Trattamento superficiale - Surface treatment	BR
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4 2.1 2.2 2.3 3.1 3.4 4.1 4.2 4.3 4.4 5.1 5.2 5.3

DIN 352	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
▶	2	0,4	36	8	2,8	2,1	3	1,6
▶	2,5	0,45	40	9	2,8	2,1	3	2,05
▶	2,6	0,45	40	9	2,8	2,1	3	2,1
▶	3	0,5	40	9	3,5	2,7	3	2,5
▶	3,5	0,6	45	10	4	3	3	2,9
▶	4	0,7	45	11	4,5	3,4	3	3,3
▶	4,5	0,75	50	13	6	4,9	3	3,7
▶	5	0,8	50	13	6	4,9	3	4,2
▶	6	1	56	15	6	4,9	3	5

A 5-6	D 4-5	C 2-3	2xD
2xD	2xD	2xD	2xD
HSS	HSS	HSS	HSS
-	-	ISO2/6H	ISO2/6H
BR	BR	BR	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

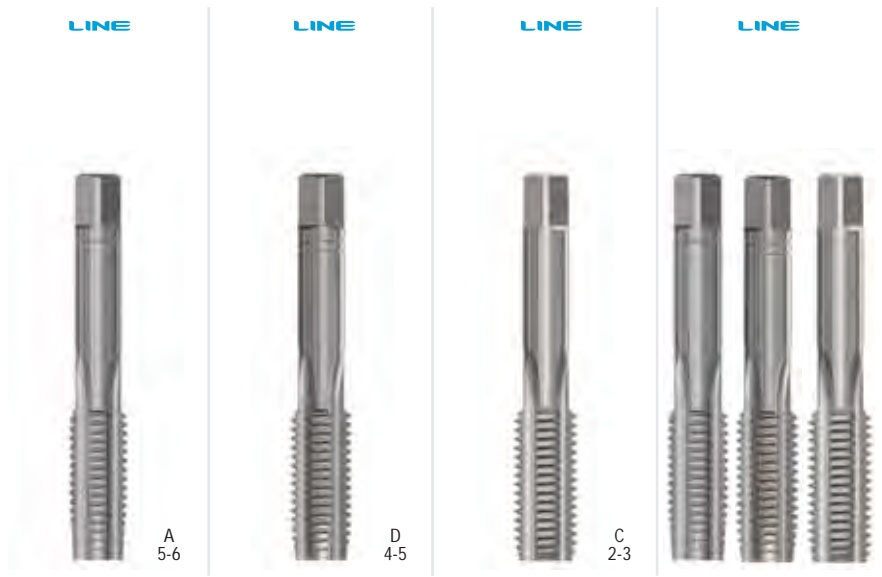
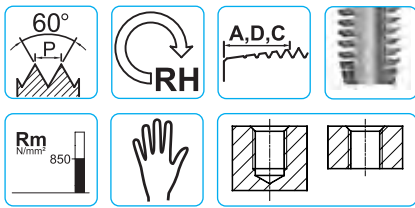
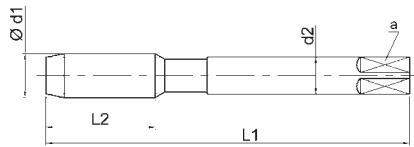
CODICE - CODE			
01M...	02M...	03M...	00M...
*	*	●	●
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	●	●
*	*	●	●

Segue diametri
 Diameters, to be continued ▶ Pag. 3

N USO GENERALE
General purpose

MASCHI A MANO HAND TAPS

DIN 352



Profondità di filettatura - Thread depth

2xD 2xD 2xD 2xD

Materiale - Material

HSS HSS HSS HSS

Tolleranza - Tolerance

- - ISO2/6H ISO2/6H

Trattamento superficiale - Surface treatment

BR BR BR BR

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

DIN 352	Ød1 M	P mm	L1	L2	d2 h9	a h12	Z	
7	1	56	16	6	4,9	3	6	
8	1,25	63	19	6	4,9	3	6,8	
9	1,25	63	19	7	5,5	3	7,8	
10	1,5	70	22	7	5,5	3	8,5	
11	1,5	70	22	8	6,2	3	9,5	
12	1,75	75	28	9	7	4	10,30	
14	2	80	30	11	9	4	12	
16	2	80	30	12	9	4	14	
18	2,5	95	34	14	11	4	15,5	
20	2,5	95	34	16	12	4	17,5	
22	2,5	100	34	18	14,5	4	19,5	
24	3	110	38	18	14,5	4	21	
27	3	110	38	20	16	4	24	
30	3,5	125	45	22	18	4	26,5	
33	3,5	125	45	25	20	4	29,5	
36	4	150	55	28	22	4	32	
39	4	150	55	32	24	4	35	
42	4,5	150	60	32	24	5	37,5	
45	4,5	160	60	36	29	5	40,5	
48	5	180	65	36	29	6	43	
52	5	180	65	40	32	6	47	
56	5,5	180	65	40	32	6	50,5	
60	5,5	200	65	45	35	6	54,5	
64	6	220	65	50	39	6	58	
68	6	220	65	50	39	6	62	

CODICE - CODE			
01M...	02M...	03M...	00M...
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●
*	*	○	○
*	*	●	●

Confezione: Singola Box: Single € Pagina listino - Price list page

1	1	2	1
● Standard	○ Disponibilità da richiedere, prezzo a listino	★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list	★ Only on request	

M

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN13 - Handgewindebohrer

Filetage métrique ISO DIN 13 - Tarauds à main

Rosca ISO métrica regular DIN13 - Machos de roscar a mano

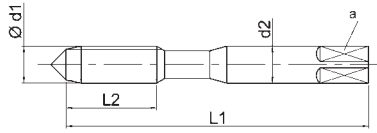


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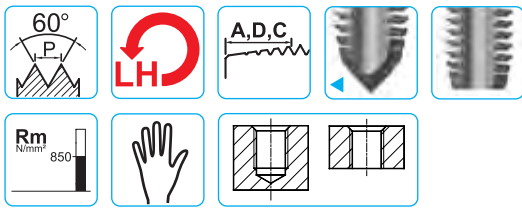
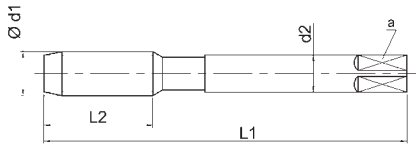
USO GENERALE
General purpose

MASCHI A MANO, FILETTATURA SINISTRA LEFT HAND TAPS

DIN 352



DIN 352



LINE

LINE

LINE

LINE



A 5-6



D 4-5



C 2-3



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment

2XD	2xD	2xD	2xD
HSS	HSS	HSS	HSS
-	-	ISO2/6H	ISO2/6H
BR	BR	BR	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

Numero gruppi materiali
Material's groups number

DIN 352	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	40	9	3,5	2,7	3	2,5	◀
4	0,7	45	11	4,5	3,4	3	3,3	◀
5	0,8	50	13	6	4,9	3	4,2	◀
6	1	56	15	6	4,9	3	5	◀
8	1,25	63	19	6	4,9	3	6,8	
10	1,5	70	22	7	5,5	3	8,5	
12	1,75	75	28	9	7	4	10,30	
14	2	80	30	11	9	4	12	
16	2	80	30	12	9	4	14	
18	2,5	95	34	14	11	4	15,5	
20	2,5	95	34	16	12	4	17,5	
22	2,5	100	34	18	14,5	4	19,5	
24	3	110	38	18	14,5	4	21	
27	3	110	38	20	16	4	24	
30	3,5	125	45	22	18	4	26,5	

01M...LH	CODICE - CODE			00M...LH
	02M...LH	03M...LH		
*	*	○		○
*	*	○		●
*	*	○		●
*	*	○		●
*	*	○		●
*	*	○		●
*	*	○		○
*	*	○		○
*	*	*		*
*	*	*		*
*	*	*		*
*	*	*		*
*	*	*		*

Confezione: Singola Box: Single	€ Pagina listino - Price list page	2	2	2	2
	● Standard	○ Disponibilità da richiedere, prezzo a listino	★ Solo a richiesta		
	● Standard	○ Lead time on enquiry, standard price-list	★ Only on request		

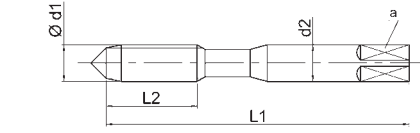
INOX

ACCIAIO INOSSIDABILE

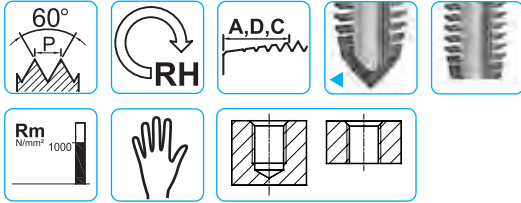
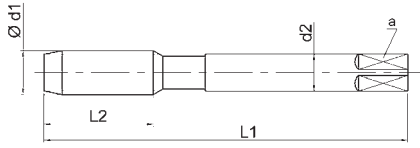
Stainless steel

MASCHI A MANO HAND TAPS

DIN 352



DIN 352



LINE



A 5-6

LINE



D 4-5

LINE



C 2-3

LINE



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment

2xD	2xD	2xD	2xD
HSS	HSS	HSS	HSS
-	-	6HX	6HX
VS	VS	VS	VS
1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
2.1 2.2 2.3 3.1 3.2 3.3	2.1 2.2 2.3 3.1 3.2 3.3	2.1 2.2 2.3 3.1 3.2 3.3	2.1 2.2 2.3 3.1 3.2 3.3
3.4 4.1 4.2 4.3 4.4	3.4 4.1 4.2 4.3 4.4	3.4 4.1 4.2 4.3 4.4	3.4 4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

Numero gruppi materiali
 Material's groups number

DIN 352	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	40	9	3,5	2,7	3	2,5
◀	4	0,7	45	11	4,5	3,4	3	3,3
◀	5	0,8	50	13	6	4,9	3	4,2
◀	6	1	56	15	6	4,9	3	5
	8	1,25	63	19	6	4,9	3	6,8
	10	1,5	70	22	7	5,5	3	8,5
	12	1,75	75	28	9	7	4	10,30
	14	2	80	30	11	9	4	12
	16	2	80	30	12	9	4	14
	18	2,5	95	34	14	11	4	15,5
	20	2,5	95	34	16	12	4	17,5

CODICE - CODE			
01M...X-VS	02M...X-VS	03M...X-VS	00M...X-VS
*	*	*	*
*	*	○	●
*	*	○	●
*	*	○	●
*	*	○	●
*	*	○	●
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

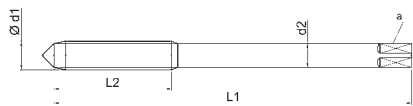
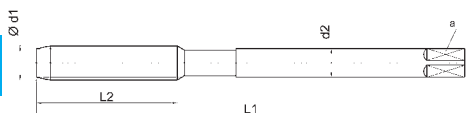
Confezione: Singola Box: Single € Pagina listino - Price list page 3 3 3 3

● Standard ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta

● Standard ○ Lead time on enquiry, standard price-list ★ Only on request

M Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13
Metrisches ISO-Regelgewinde DIN13 – Maschinengewindebohrer
Filetage métrique ISO DIN 13 – Tarauds machine
Rosca ISO métrica regular DIN13 – Machos de rosca a máquina

MASCHI A MACCHINA MACHINE TAPS
DIN
357DIN
357

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

 Numero gruppi materiali
 Material's groups number

LINE



1,5xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

LINE



1,5xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

LINE




3xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

DIN 357	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	70	22	2,2	1,75	3	2,5
◀	4	0,7	90	25	2,8	2,1	3	3,3
◀	5	0,8	100	28	3,5	2,7	3	4,2
◀	6	1	110	32	4,5	3,4	3	5
	8	1,25	125	40	6	4,9	3	6,8
	10	1,5	140	45	7	5,5	3	8,5
	12	1,75	180	50	9	7	3	10,30
	14	2	200	56	11	9	3	12
	16	2	200	63	12	9	3	14



Tre Linee di prodotti! Ma allora, dico, qui trovo proprio tutto!

3 lines of products! Here I find whatever I need!

CODICE - CODE		CODICE - CODE	
10FCM...	10FPM...	12FPM...	
*	*	*	
o	o	o	
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 Confezione: Singola
 Box: Single

€ Pagina listino - Price list page

3

3

3

- Standard
- Standard

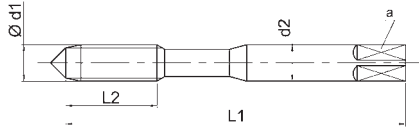
- o Disponibilità da richiedere, prezzo a listino
- o Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request

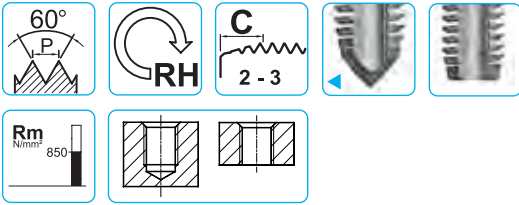
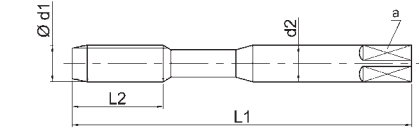
OT OTTONE
Brass

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 371



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	CrN	BR	TiCN
5.3	5.3	5.3	5.3
8.2 8.3	8.2 8.3	8.2 8.3	8.2 8.3

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	2	2,5
◀	4	0,7	63	13	4,5	3,4	2	3,3
◀	5	0,8	70	13	6	4,9	2	4,2
◀	6	1	80	16	6	4,9	2	5
	8	1,25	90	18	8	6,2	2	6,8
	10	1,5	100	20	10	8	2	8,5
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
	8	1,25	90	18	8	6,2	3	6,8
	10	1,5	100	20	10	8	3	8,5

LANCIAM...		CODICE - CODE LANCIAM...NC	
•	○	-	-
•	○	-	-
•	○	-	-
•	○	-	-
•	○	-	-
•	○	-	-
•	○	-	-
		E20M...-OT	E20M...-OT-CT
-	-	○	○
-	-	○	○
-	-	○	○
-	-	○	○
-	-	○	○
-	-	○	○

M Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

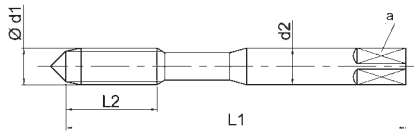
Rosca ISO métrica regular DIN 13 – Machos de roscar a máquina

N

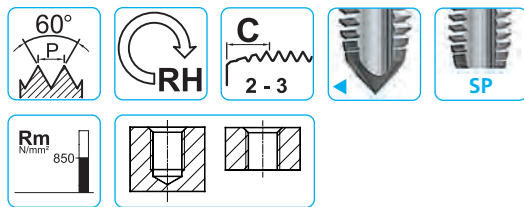
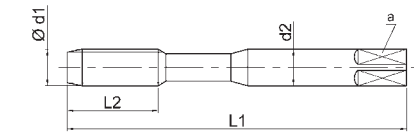
USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 371



LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

8.2

1,5xD

HSSE

ISO2/6H

V

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

8.2

1,5xD

HSSE

ISO2/6H

TiN

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

8.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
new 1	0,25	40	5	2,5	2,1	-	0,75	
new 1,2	0,25	40	5	2,5	2,1	-	0,95	
new 1,4	0,3	40	7	2,5	2,1	-	1,1	
new 1,6	0,35	40	8	2,5	2,1	-	1,25	
new 1,7	0,35	40	8	2,5	2,1	-	1,35	
new 1,8	0,35	40	8	2,5	2,1	-	1,45	
2	0,4	45	9	2,8	2,1	3	1,6	
2,2	0,45	45	9	2,8	2,1	3	1,75	
2,3	0,4	45	9	2,8	2,1	3	1,9	
2,5	0,45	50	9	2,8	2,1	3	2,05	
2,6	0,45	50	9	2,8	2,1	3	2,10	
3	0,5	56	10	3,5	2,7	3	2,5	
3,5	0,6	56	11	4	3	3	2,9	
4	0,7	63	13	4,5	3,4	3	3,3	
4,5	0,75	70	13	6	4,9	3	3,7	
5	0,8	70	13	6	4,9	3	4,2	
6	1	80	16	6	4,9	3	5	
7	1	80	16	7	5,5	3	6	
8	1,25	90	18	8	6,2	3	6,8	
9	1,25	90	18	9	7	3	7,8	
10	1,5	100	20	10	8	3	8,5	
8	1,25	90	18	8	6,2	3	6,8	
10	1,5	100	20	10	8	3	8,5	

CODICE - CODE

E20M...

E20M...V

E20M...T

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E20M...SP

E20M...SP-V

E20M...SP-T

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Segue diametri
Diameters, to be continued

Pag. 9

Confezione / Box:
M1 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

● Standard
● Standard

4

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

4

5

★ Solo a richiesta
★ Only on request

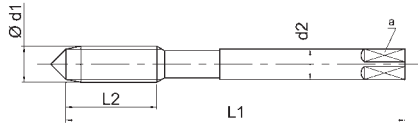
N

USO GENERALE

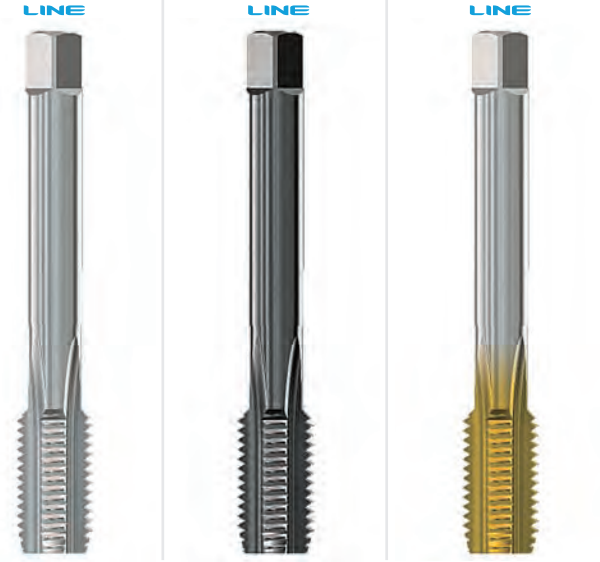
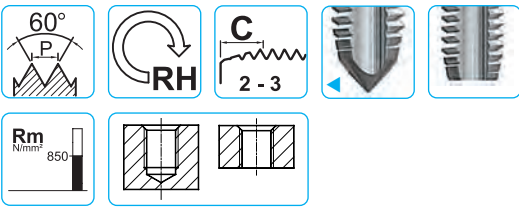
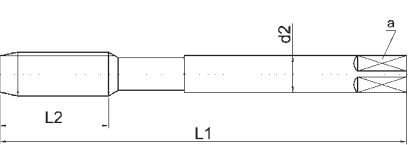
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 376



DIN 376



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment

1,5XD	1,5xD	1,5xD
HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN
1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
8.2	8.2	8.2

Numero gruppi materiali
Material's groups number

DIN 376	Ød1 M	P mm	L1	L2	d2 h9	a h12	Z	
◀	4	0,7	63	13	2,8	2,1	3	3,3
◀	5	0,8	70	13	3,5	2,7	3	4,2
◀	6	1	80	16	4,5	3,4	3	5
◀	8	1,25	90	18	6	4,9	3	6,8
◀	10	1,5	100	20	7	5,5	3	8,5
	11	1,5	100	20	8	6,2	3	9,5
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5
	33	3,5	180	46	25	20	4	29,5
	36	4	200	50	28	22	4	32
	39	4	200	50	32	24	4	35
	42	4,5	200	55	32	24	5	37,5
■	45	4,5	220	60	36	29	5	40,5
■	48	5	250	65	36	29	6	43
■	52	5	250	65	40	32	6	47
■	*56	5,5	280	70	45	35	6	50,5
■	*60	5,5	280	70	45	35	6	54,5
■	*64	6	315	80	50	39	6	58

■ = Acciaio HSS / HSS Steel

* Disponibile finitore di serie codice: 03M... pag. 3
 Available finishing hand tap code: 03M... pag. 3

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	5	5	5
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Standard	★ Solo a richiesta	★ Only on request
● Standard	○ Lead time on enquiry, standard price-list			

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

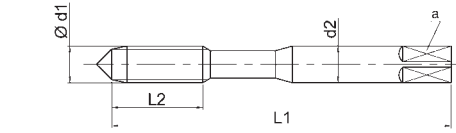
Rosca ISO métrica regular DIN 13 – Machos de roscar a máquina

MASCHI A MACCHINA, FILETTATURA SINISTRA MACHINE TAPS

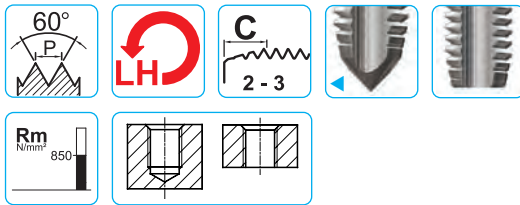
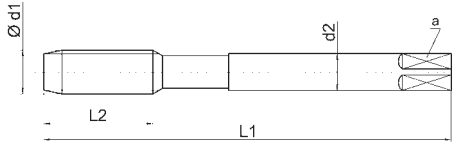
N

USO GENERALE
General purpose

DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE



LINE



LINE



1,5xD

1,5xD

1,5xD

HSSE

HSSE

HSSE

ISO2/6H

ISO2/6H

ISO2/6H

BR

V

TiN

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

8.2

8.2

8.2

DIN 371	$\varnothing d_1$ M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5,0
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

E20M...LH	CODICE - CODE	
	E20M...LH-V	E20M...LH-T
○	○	○
○	○	○
●	○	○
●	○	○
●	○	○
●	○	○

DIN 376	$\varnothing d_1$ M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12,0
	16	2	110	28	12	9	3	14,0
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21,0
	27	3	160	39	20	16	4	24,0
	30	3,5	180	46	22	18	4	26,5
	33	3,5	180	46	25	20	4	29,5
	36	4	200	50	28	22	4	32,0
	39	4	200	50	32	24	4	35,0
	42	4,5	200	55	32	24	5	37,5
■	45	4,5	220	60	36	29	5	40,5
■	48	5	250	65	36	29	6	43,0

E21M...LH	CODICE - CODE	
	E21M...LH-V	E21M...LH-T
●	○	○
●	○	○
●	○	○
●	○	○
●	○	○
○	○	○
●	○	○
●	○	○
●	○	○
●	○	○
*	*	*
*	*	*
*	*	*
*	*	*
*	*	*

■ = Acciaio HSS / HSS Steel

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

● Standard
● Standard

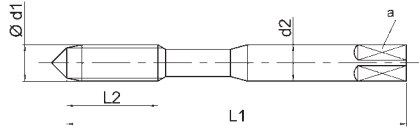
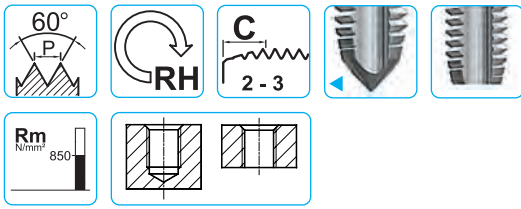
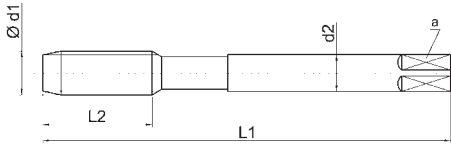
5

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

6

6

★ Solo a richiesta
★ Only on request

Al-Cu-Fe
ALLUMINIO, RAME, ACCIAIO R ≤ 700 N/mm²
Aluminium, Cooper, Steel R ≤ 700 N/mm²
MASCHI A MACCHINA MACHINE TAPS
DIN 371

DIN 376

LINE

LINE

TOP


Profondità di filettatura - Thread depth	1,5xD	1,5xD	1,5xD
Materiale - Material	HSSE	HSSE	HSSE
Tolleranza - Tolerance	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment	BR	V	TXC
Numero gruppi materiali Material's groups number	1.1	1.1	1.1
	4.1 4.2	4.1 4.2	4.1 4.2
	5.1 5.2	5.1 5.2	5.1 5.2
	8.1	8.1	8.1

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	7	1	80	16	7	5,5	3	6
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

E20M...AZ	CODICE - CODE	
	E20M...AZ-V	E20M...AZ-TXC
○	○	○
●	○	○
●	○	○
●	○	○
○	○	○
●	○	○
●	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14

E21M...AZ	CODICE - CODE	
	E21M...AZ-V	E21M...AZ-TXC
○	○	○
○	○	○
○	○	○

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	6	6	6
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

M Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN13 - Maschinengewindebohrer

Filetage métrique ISO DIN 13 - Tarauds machine

Rosca ISO métrica regular DIN13 - Machos de roscar a máquina

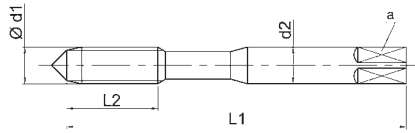


GG

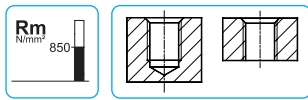
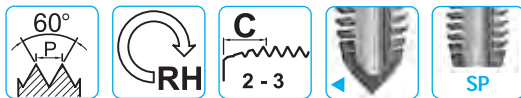
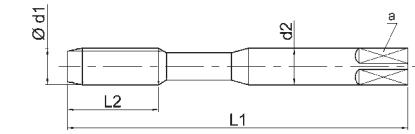
GHISA
Cast Iron

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 371



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Al Si > 10%,
Ottone / Brass
Bronzo / and Bronze
a truciolo corto / with short chip

Numero gruppi materiali
Material's groups number

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	7	1	80	16	7	5,5	3	6
◀	8	1,25	90	18	8	6,2	4	6,8
◀	9	1,25	90	18	9	7	4	7,8
◀	10	1,5	100	20	10	8	4	8,5
	6	1	80	16	6	4,9	3	5
	8	1,25	90	18	8	6,2	4	6,8
	10	1,5	100	20	10	8	4	8,5



Disponibili anche in edizione PM elicoidale a 25° pag. 62

Disposable in helicoidal 25° PM steel page 62

LINE



LINE



LINE



LINE



3xD

3xD

3,5xD

3,5xD

HSSE

HSSE

HSSE

HSSE

6HX

6HX

6HX

6HX

NQ

NS

NS

TiCN

3.1 3.2 3.3 3.4 3.5

3.1 3.2 3.3 3.4 3.5

3.1 3.2 3.3 3.4 3.5

3.1 3.2 3.3 3.4 3.5

4.3 4.4 4.5 4.6 5.3

4.3 4.4 4.5 4.6 5.3

4.3 4.4 4.5 4.6 5.3

4.3 4.4 4.5 4.6 5.3

8.2 10.1

8.2 10.1

8.2 10.1

8.2 10.1

CODICE - CODE
E26M...NQ E26M...NS

◊

◊

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●

E26M...SP-NQ

E26M...SP-NS

E26M...FOR-NS

E26M...FOR-CT

◊

●

★

◊

◊

●

★

◊

◊

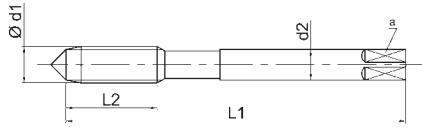
●

★

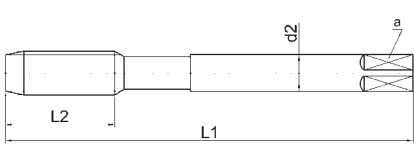
◊

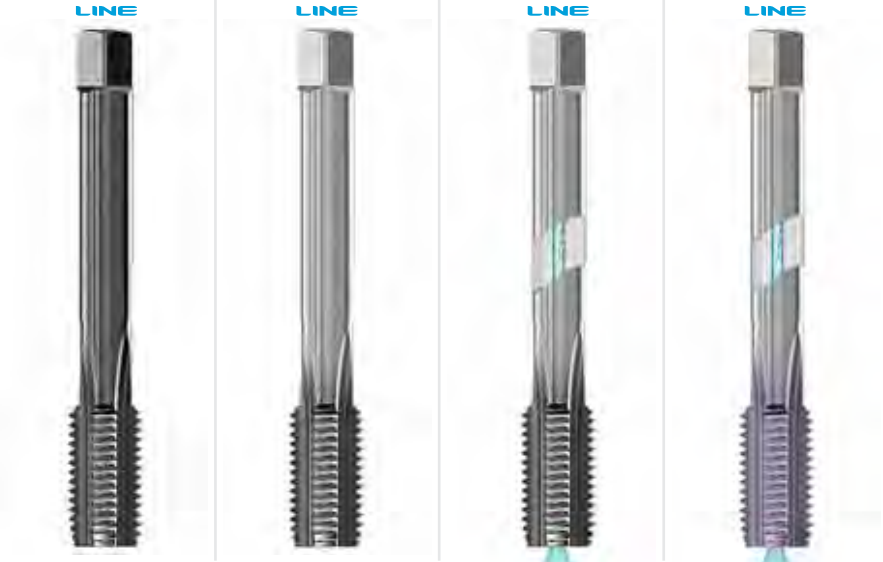
GG	GHISA
	Cast Iron

DIN 376



DIN 376





Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

3xD	3xD	3,5xD	3,5xD
HSSE	HSSE	HSSE	HSSE
6HX	6HX	6HX	6HX
NQ	NS	NS	TiCN

Al Si >10%,
 Ottone / Brass
 Bronzo / and Bronze
 a truciolo corto / with short chip

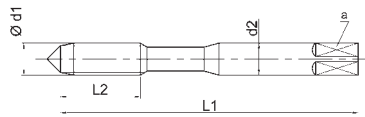
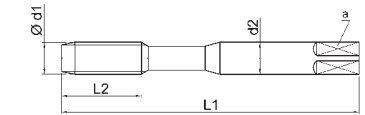
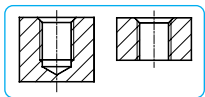
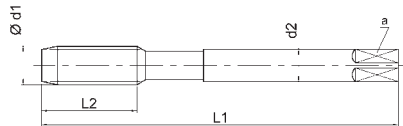
Numero gruppi materiali
 Material's groups number

3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3
8.2 10.1	8.2 10.1	8.2 10.1	8.2 10.1

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
8	1,25	90	18	6	4,9	4	6,8	
10	1,5	100	20	7	5,5	4	8,5	
12	1,75	110	25	9	7	4	10,3	
14	2	110	28	11	9	4	12	
16	2	110	28	12	9	4	14	
18	2,5	125	33	14	11	4	15,5	
20	2,5	140	33	16	12	4	17,5	
22	2,5	140	33	18	14,5	4	19,5	
24	3	160	39	18	14,5	4	21	
27	3	160	39	20	16	4	24	
30	3,5	180	46	22	18	4	26,5	
8	1,25	90	18	6	4,9	4	6,8	
10	1,5	100	20	7	5,5	4	8,5	

CODICE - CODE			
E27M...NQ	E27M...NS	E27M...FOR-NS	E27M...FOR-CT
○	○	-	-
○	○	-	-
○	●	*	○
○	●	*	○
○	●	*	○
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
E27M...SP-NQ	E27M...SP-NS		
○	●		
○	●		

MASCHI A MACCHINA MACHINE TAPS

DIN
371DIN
371DIN
376

TOP



TOP



TOP



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Al Si > 10%,
Ottone / Brass
Bronzo / and Bronze
a truciolo corto / with short chip

Numero gruppi materiali
Material's groups number

3xD

PM3

6HX

TiAlN

3.1 3.2 3.3 3.4 3.5

4.4 5.3 5.4

10.1

3,5xD

PM3

6HX

TiAlN

3.1 3.2 3.3 3.4 3.5

4.4 5.3 5.4

10.1

3,5xD

PM3

6HX

TiAlN

3.1 3.2 3.3 3.4 3.5

4.4 5.3 5.4

10.1

DIN 371	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	4	5
◀	8	1,25	90	18	8	6,2	4	6,8
◀	10	1,5	100	20	10	8	4	8,5
	6	1	80	16	6	4,9	4	5
	8	1,25	90	18	8	6,2	4	6,8
	10	1,5	100	20	10	8	4	8,5

CODICE - CODE

K26M...TX

•

•

•

•

•

K26M...SP-TX

○

○

○

K26M...FOR-TX

○

○

○

K26M...FOR-TX

○

○

○

DIN 376	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	4	10,3
	14	2	110	28	11	9	4	12
	16	2	110	28	12	9	4	14
new	18	2,5	125	33	14	11	5	15,5
new	20	2,5	140	33	16	12	5	17,5
new	22	2,5	140	33	18	14,5	5	19,5
new	24	3	160	39	18	14,5	5	21

CODICE - CODE

K27M...TX

•

•

•

○

○

○

K27M...FOR-TX

○

○

○

★

★

★

K27M...FOR-TX

○

○

○

★

★

★

Esecuzione in metallo duro integrale:
Solid carbide edition at page:

Pag. 19

Confezione / Box:
M3 – M12: 5 pezzi / pcs
Oltre / up: singoli / single pcs

€ Pagina listino - Price list page

• Standard
• Standard

8

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

8

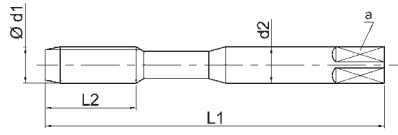
8

★ Solo a richiesta
★ Only on request

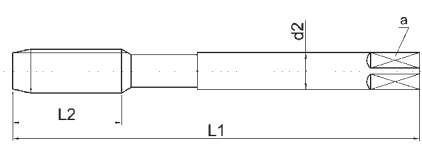
GG GHISA
 Cast Iron

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



60° P_v
 RH
 E 1,5 - 2
 SP
 Rm 1400



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Al Si > 10%,
 Ottone / Brass
 Bronzo / and Bronze
 a truciolo corto / with short chip

3xD	3,5xD	3,5xD
PM3	PM3	PM3
6HX	6HX	6HX
TiAIN	TiAIN	TiAIN
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.4 5.3	4.4 5.3	4.4 5.3
10.1	10.1	10.1

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
6	1	80	16	6	4,9	4	5	
8	1,25	90	18	8	6,2	4	6,8	
10	1,5	100	20	10	8	4	8,5	

CODICE - CODE		
K26EM...TX	K26EM...FOR-TX	K26EM...FOR-TX
○	○	★
○	○	★
○	○	★

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1,75	110	25	9	7	4	10,3	
14	2	110	28	11	9	4	12	
16	2	110	28	12	9	4	14	
new 18	2,5	125	33	14	11	5	15,5	
new 20	2,5	140	33	16	12	5	17,5	
new 22	2,5	140	33	18	14,5	5	19,5	
new 24	3	160	39	18	14,5	5	21	

CODICE - CODE		
K27EM...TX	K27EM... FOR-TX	K27EM...FOR-TX
○	○	★
○	○	★
○	○	★
○	★	★
○	★	★
○	★	★
○	★	★

Confezione / Box: M3 – M12: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	8	8	9
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request



Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13 – Maschinengewindebohrer
 Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer
 Filetage métrique ISO DIN 13 – Tarauds machine
 Rosca ISO métrica regular DIN 13 – Machos de rosca a máquina

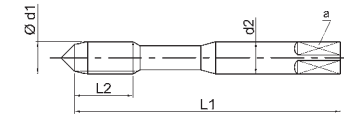


MASCHI A MACCHINA MACHINE TAPS

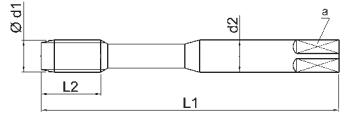
SYNCHRO RIGID

MASCHIATURA RIGIDA SINCRONIZZATA Rigid Tapping Synchro

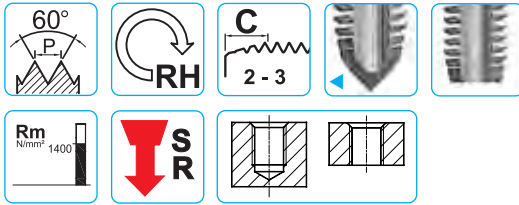
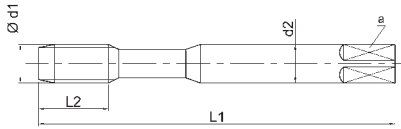
DIN 371



DIN 371



UFS norm



Profondità di filettatura - Thread depth

3xD 3,5xD 3,5xD

Materiale - Material

PM3 PM3 PM3

Tolleranza - Tolerance

6HX 6HX 6HX

Trattamento superficiale - Surface treatment

TXC TXC TXC

Ghisa / Cast iron
 Acciaio alta resistenza
 High resistance Steel
 Al Si>10%

Numero gruppi materiali
 Material's groups number

1.5 1.6	1.5 1.6	1.5 1.6
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3 5.4	4.3 4.4 4.5 4.6 5.3 5.4	4.3 4.4 4.5 4.6 5.3 5.4
8.2 8.3 10.1	8.2 8.3 10.1	8.2 8.3 10.1

DIN 371	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h6	a h12	Z	
6	1	80	10	6	4,9	4	5	
8	1,25	90	13	8	6,2	4	6,8	
10	1,5	100	15	10	8	4	8,5	


S20M...TXC	CODICE - CODE	
	S20M...FOR-TXC	S20M...FORY-TXC
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

UFS norm	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h6	a h12	Z	
12	1,75	110	18	12	9	4	10,3	
14	2	110	20	12	9	4	12	
16	2	110	20	16	12	4	14	

S20M...TXC	CODICE - CODE	
	S20M...FOR-TXC	S20M...FORY-TXC
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

A richiesta:
 On request:

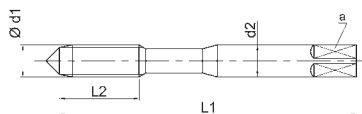
Con Weldon DIN1835 B



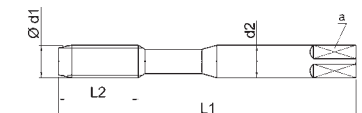
HR ALTA RESISTENZA
High Resistance

MASCHI A MACCHINA MACHINE TAPS

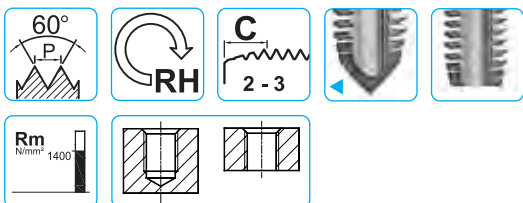
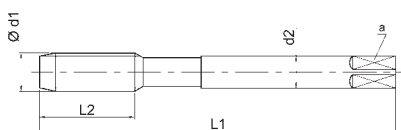
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth	1,5XD
Materiale - Material	PM3
Tolleranza - Tolerance	6HX
Trattamento superficiale - Surface treatment	TXC
Al Si >10%, Ottone / Brass Bronzo / and Bronze a truciolo corto / with short chip	1.5 1.6 4.3 4.4 4.5 4.6 5.3 5.4 8.2 8.3 10.1

1,5XD
PM3
6HX
TXC
1.5 1.6
4.3 4.4 4.5 4.6 5.3 5.4
8.2 8.3 10.1

3,5xD
PM3
ISO2/6H
TXC
1.3 1.4 1.5 1.6
3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3 5.4
8.2 8.3 10.1

3,5xD
PM3
ISO2/6H
TXC
1.3 1.4 1.5 1.6
3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3 5.4
8.2 8.3 10.1

DIN 371	$\varnothing d1$ M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	5
◀	4	0,7	63	13	4,5	3,4	3	6,8
◀	5	0,8	70	13	6	4,9	3	8,5
◀	6	1	80	16	6	4,9	4	5
	8	1,25	90	18	8	6,2	4	6,8
	10	1,5	100	20	10	8	4	8,5
	6	1	80	16	6	4,9	3	5
	8	1,25	90	18	8	6,2	3	6,8
	10	1,5	100	20	10	8	3	8,5

CODICE - CODE			
K20M...TXC			
○			
●			
●			
●			
●			
●			
		K22M...FOR-TXC	K22M...FOR-Y-TXC
		○	★
		○	★
		○	★

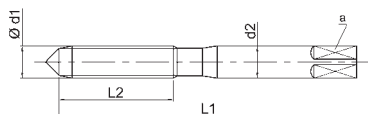
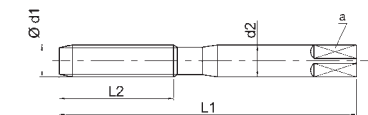
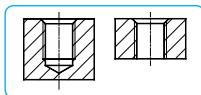
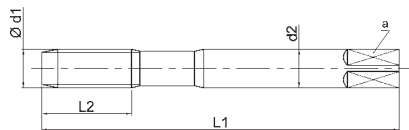
DIN 376	$\varnothing d1$ M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	4	10,3
	14	2	110	28	11	9	4	12
	16	2	110	28	12	9	4	14
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	3	15,5
	20	2,5	140	33	16	12	3	17,5
	22	2,5	140	33	18	14,5	3	19,5
	24	3	160	39	18	14,5	4	21

CODICE - CODE			
K21M...TXC			
●			
○			
○			
		K23M...FOR-TXC	K23M...FOR-Y-TXC
		○	★
		○	★
		○	★
		★	★
		★	★
		★	★
		★	★

Confezione / Box: M3 – M12: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	9	9	9	9
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request	

MASCHI A MACCHINA MACHINE TAPS

HR

ALTA RESISTENZA
High Resistance-DIN
371-DIN
371UFS
norm

TOP



≤ 52HRC

TOP



≤ 52HRC

Profondità di filettatura - Thread depth

2xD

1,5xD

Materiale - Material

PM1

PM1

Tolleranza - Tolerance

6HX

6HX

Trattamento superficiale - Surface treatment

TiAlN

TiAlN

Numero gruppi materiali
Material's groups number

1.6 1.7

1.6 1.7

5.4

5.4

9.1 9.3

9.1 9.3

-DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,7	63	13	4,5	3,4	4	3,3
◀	5	0,8	70	13	6	4,9	4	4,2
◀	6	1	80	16	6	4,9	4	5
	8	1,25	90	18	8	6,2	5	6,8
	10	1,5	100	20	10	8	5	8,5
	6	1	80	18	6	4,9	4	5
	8	1,25	90	25	8	6,2	5	6,8
	10	1,5	100	30	10	8	5	8,5

CODICE - CODE

XT20M...

○

○

○

○

○

XT20M...TX

-

-

-

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	5	10,3
	12	1,75	110	30	12	9	5	10,3

CODICE - CODE

XT21M...

○

XT20M...TX

-

•

Confezione / Box:

M3 – M12: 5 pezzi / pcs
Oltre / up. singoli / single pcs

€ Pagina listino - Price list page

10

10

• Standard
• Standard○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list★ Solo a richiesta
★ Only on request

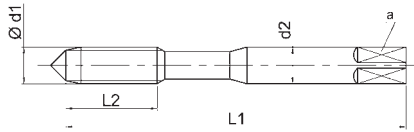
MDI-HM

METALLO DURO INTEGRALE - ALTA RESISTENZA

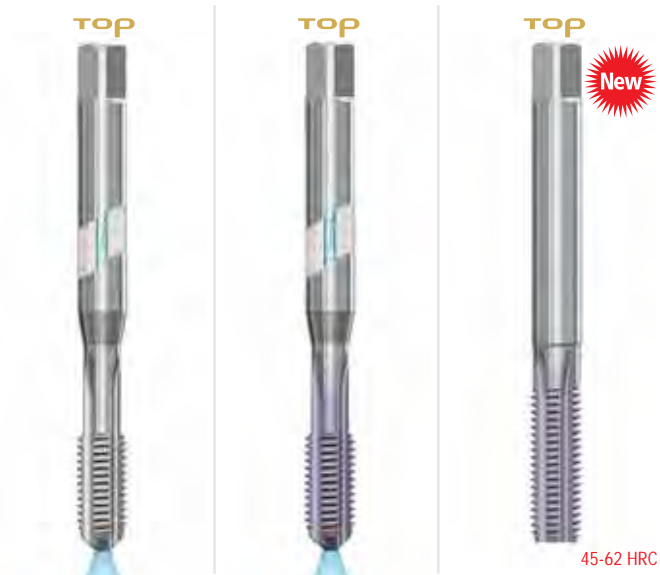
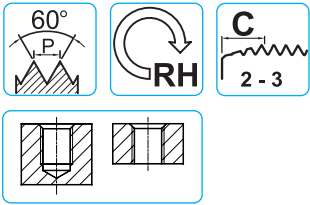
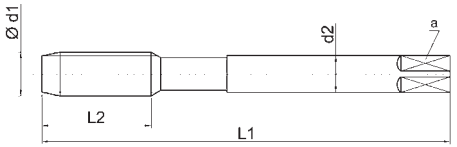
Hard metal - high resistance

MASCHI A MACCHINA MACHINE TAPS

DIN 371



UFS norm



45-62 HRC

Profondità di filettatura - Thread depth	3,5XD
Materiale - Material	MDI-HM
Tolleranza - Tolerance	6HX
Trattamento superficiale - Surface treatment	BR
Ghisa / Cast Iron Al Si > 10%, Ottone / Brass e Bronzo / and Bronze a truciolo corto / with short chip	3.1 3.2 3.3 3.4 3.5
Numero gruppi materiali Material's groups number	4.3 4.4 4.5 4.6

3,5XD	3,5XD	1,5xD
MDI-HM	MDI-HM	MDI-HM
6HX	6HX	6HX
BR	TICN	TICN
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	1.7 1.8
4.3 4.4 4.5 4.6	4.3 4.4 4.5 4.6	5.4
5.3 5.4 8.2 8.3	5.3 5.4 8.2 8.3	9.1 9.3
10.1	10.1	

DIN 371	Ød1 M	P mm	L1	L2	d2 h6	a h12	Z	
6	1	80	16	6	4,9	-	5	
8	1,25	90	18	8	6,2	-	6,8	
10	1,5	100	20	10	8	-	8,5	
6	1	80	18	6	4,9	-	5	
8	1,25	90	25	8	6,2	-	6,8	
10	1,5	100	30	10	8	-	8,5	

CODICE - CODE	
HM20M...FOR	HM20M...FOR-CT
*	*
*	*
*	*
	HM-XT20M...CT
-	*
-	*
-	*

UFS norm	Ød1 M	P mm	L1	L2	d2 h6	a h12	Z	
12	1,75	110	25	9	7	-	10,3	
14	2	110	22	11	9	-	12	
16	2	110	22	12	9	-	14	
18	2,5	125	24	14	11	-	15,5	
20	2,5	140	25	16	12	-	17,5	
12	1,75	110	30	12	9	-	10,3	
16	2	110	40	16	12	-	14,25	

CODICE - CODE	
HM21M...FOR	HM21M...FOR-CT
*	*
*	*
*	*
*	*
*	*
	HM-XT20M...CT
-	*
-	*

Confezione / Box: M3 - M12: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	10	10	10
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

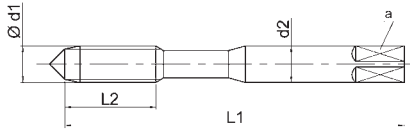
Rosca ISO métrica regular DIN13 – Machos de roscar a máquina

N

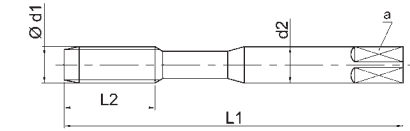
USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 371



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE



LINE



LINE



LINE



3xD

3xD

3xD

3xD

HSSE

HSSE

HSSE

HSSE

ISO2/6H

ISO2/6H

ISO2/6H

ISO2/6H

BR

V

TiN

TxC

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

4.1 4.2

4.1 4.2

3.3 3.4

2.1 2.2 3.3 3.4

5.1 5.2

5.1 5.2

4.1 4.2 4.3

4.2 4.3

6.1 7.1

5.1 5.2

5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
new 1	0,25	40	5	2,5	2,1	-	0,75	
new 1,2	0,25	40	5	2,5	2,1	-	0,95	
new 1,4	0,3	40	7	2,5	2,1	-	1,1	
new 1,6	0,35	40	8	2,5	2,1	-	1,25	
new 1,7	0,35	40	8	2,5	2,1	-	1,35	
new 1,8	0,35	40	8	2,5	2,1	-	1,45	
2	0,4	45	9	2,8	2,1	3	1,6	
2,2	0,45	45	9	2,8	2,1	3	1,75	
2,3	0,4	45	9	2,8	2,1	3	1,9	
2,5	0,45	50	9	2,8	2,1	3	2,05	
2,6	0,45	50	9	2,8	2,1	3	2,10	
3	0,5	56	10	3,5	2,7	3	2,5	
3,5	0,6	56	11	4	3	3	2,9	
4	0,7	63	13	4,5	3,4	3	3,3	
4,5	0,75	70	13	6	4,9	3	3,7	
5	0,8	70	13	6	4,9	3	4,2	
6	1	80	16	6	4,9	3	5	
7	1	80	16	7	5,5	3	6	
8	1,25	90	18	8	6,2	3	6,8	
9	1,25	90	18	9	7	3	7,8	
10	1,5	100	20	10	8	3	8,5	

E24M...	CODICE - CODE		
	E24M...V	E24M...T	E24M...TxC
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
●	○	○	-
○	*	*	*
○	*	*	*
●	○	○	*
○	○	○	*
●	●	●	●
○	*	*	*
●	●	●	●
○	*	*	*
●	●	●	●
○	○	○	*
●	●	●	●
○	○	○	*
●	●	●	●

Segue diametri
Diameters, to be continued

▶ Pag. 21

Confezione / Box:
M1 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

10

11

11

11

● Standard
● Standard

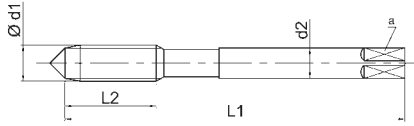
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

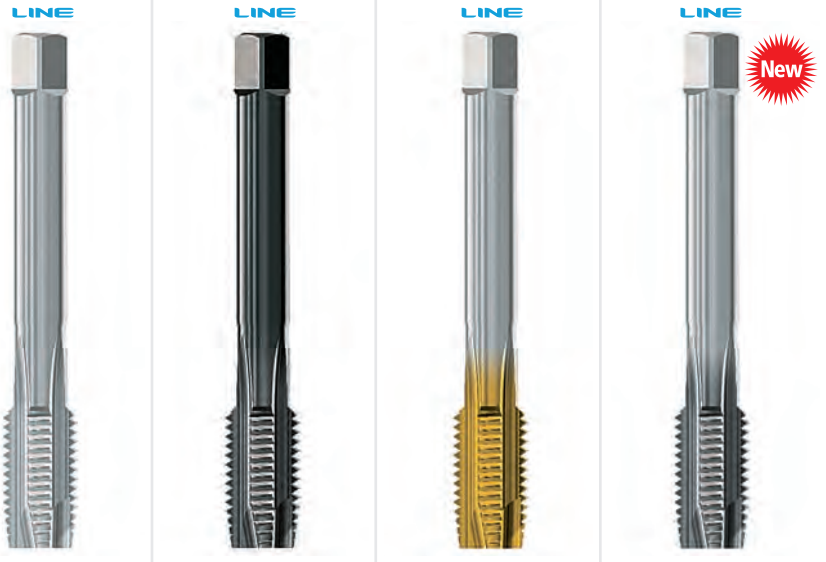
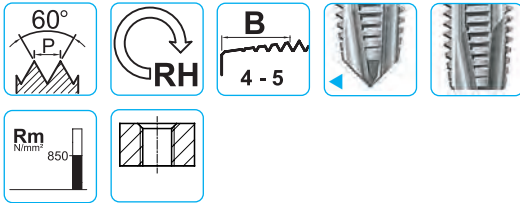
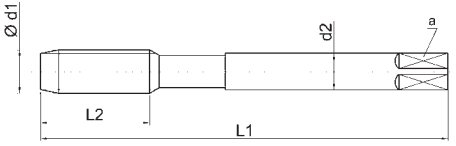
N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 376



DIN 376



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	TXC
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 376	$\varnothing d1$ M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
4	0,7	63	13	2,8	2,1	3	3,3	◀
5	0,8	70	13	3,5	2,7	3	4,2	◀
6	1	80	16	4,5	3,4	3	5	◀
8	1,25	90	18	6	4,9	3	6,8	◀
10	1,5	100	20	7	5,5	3	8,5	◀
11	1,5	100	20	8	6,2	3	9,5	◀
12	1,75	110	25	9	7	3	10,3	◀
14	2	110	28	11	9	3	12	◀
16	2	110	28	12	9	3	14	◀
18	2,5	125	33	14	11	4	15,5	◀
20	2,5	140	33	16	12	4	17,5	◀
22	2,5	140	33	18	14,5	4	19,5	◀
24	3	160	39	18	14,5	4	21	◀
27	3	160	39	20	16	4	24	◀
30	3,5	180	46	22	18	4	26,5	◀
33	3,5	180	46	25	20	4	29,5	◀
36	4	200	50	28	22	4	32	◀
39	4	200	50	32	24	4	35	◀
42	4,5	200	55	32	24	5	37,5	◀
45	4,5	220	60	36	29	5	40,5	■
48	5	250	65	36	29	6	43	■
52	5	250	65	40	32	6	47	■

■ = Acciaio HSS / HSS Steel

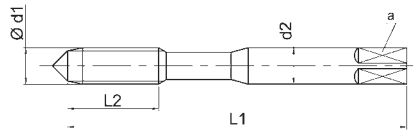
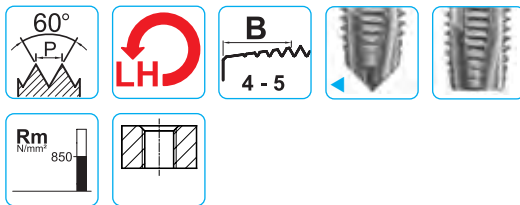
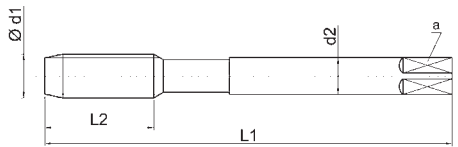
CODICE - CODE			
E25M...	E25M...V	E25M...T	E25M...TXC
○	○	○	-
○	○	○	-
●	○	○	-
●	●	●	●
●	●	●	●
○	○	○	○
●	●	●	●
●	●	●	●
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	★	★	★
○	★	★	★
○	★	★	★
○	★	★	★
○	★	★	★
○	★	★	★

Confezioni / Box: M3 – M10: 10 pezzi / pcs
 M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

11 11 11 12

● Disponibile a stock ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta
 ● Available in stock ○ Lead time on enquiry, standard price-list ★ Only on request

DIN
371DIN
376

LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

3xD

HSSE

ISO2/6H

V

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

6.1 7.1

3xD

HSSE

ISO2/6H

TiN

1.1 1.2 1.3 1.4

3.3 3.4

4.1 4.2 4.3

5.1 5.2

DIN 371	$\varnothing d_1$ M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

CODICE - CODE

E24M...LH

E24M...LH-V

E24M...LH-T

*

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DIN 376	$\varnothing d_1$ M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5

CODICE - CODE

E25M...LH

E25M...LH-V

E25M...LH-T

●

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★

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

12

12

12

● Standard
● Standard

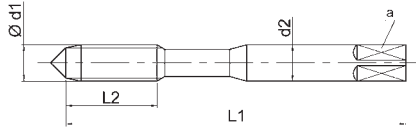
◊ Disponibilità da richiedere, prezzo a listino
◊ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

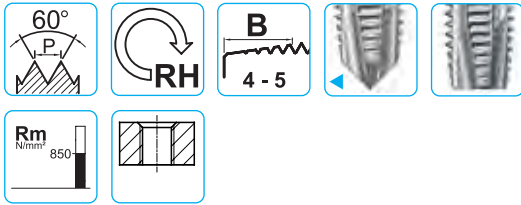
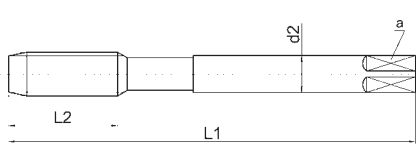
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
ISO1/4H	ISO1/4H	ISO3/6G	ISO3/6G
BR	TiN	BR	TiN
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	3.3 3.4	4.1 4.2	3.3 3.4
5.1 5.2	4.1 4.2 4.3	5.1 5.2	4.1 4.2 4.3
	5.1 5.2		5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

CODICE - CODE			
E24M...-4H	E24M...-T-4H	E24M...-6G	E24M...-T-6G
○	○	●	○
○	○	●	○
○	○	●	○
○	○	●	○
○	○	●	○
○	○	●	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5

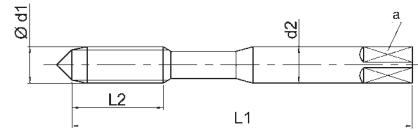
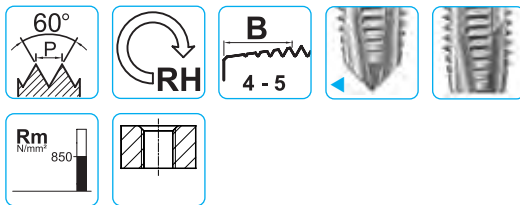
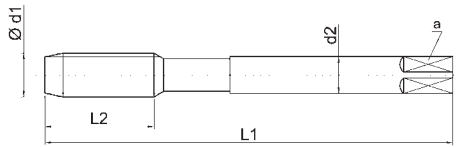
CODICE - CODE			
E25M...-4H	E25M...-T-4H	E25M...-6G	E25M...-T-6G
○	○	●	○
○	○	○	○
○	○	●	○
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*

Confezione / Box: M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

12	13	13	13
● Standard	○ Disponibilità da richiedere, prezzo a listino	★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list	★ Only on request	

MASCHI A MACCHINA MACHINE TAPS

DIN
371DIN
376

LINE



LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

HSSE

7G (6H+0,05)

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

3xD

HSSE

7G (6H+0,05)

TiN

1.1 1.2 1.3 1.4

3.3 3.4

4.1 4.2 4.3

5.1 5.2

3xD

HSSE

6H+0,1

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

3xD

HSSE

6H+0,1

TiN

1.1 1.2 1.3 1.4

3.3 3.4

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5

CODICE - CODE

E24M...-7G

E24M...T-7G

E24M...+0,1

E24M...T+0,1

○

○

○

○

○

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●

○

CODICE - CODE

E25M...-7G

E25M...T-7G

E25M...+0,1

E25M...T+0,1

○

○

●

○

○

○

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Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

13

13

14

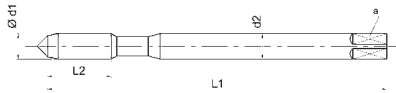
14

● Standard
● Standard○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list★ Solo a richiesta
★ Only on request

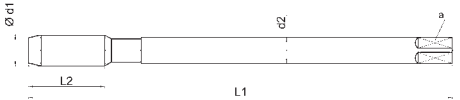
N USO GENERALE
 General purpose

MASCHI A MACCHINA MACHINE TAPS

UFS norm



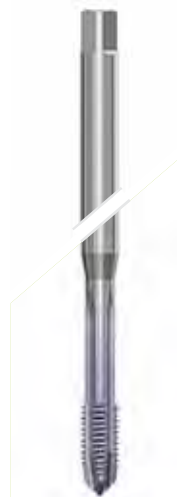
UFS norm



LINE



LINE



60° P_L RH B 4-5 Rm 850 GAMBO SHANK XL

Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

3xD	3xD
HSSE	HSSE
ISO2/6H	ISO2/6H
BR	TiCN
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	2.1 2.2 3.3 3.4
5.1 5.2	4.2 4.3
	5.2

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,7	125	12	4,5	3,4	3	3,3
◀	5	0,8	140	14	6	4,9	3	4,2
◀	6	1	160	18	6	4,9	3	5
	8	1,25	180	20	8	6,2	3	6,8
	10	1,5	180	20	10	8	3	8,5

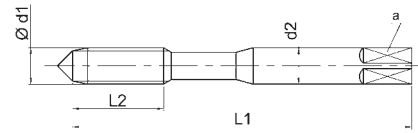
CODICE - CODE	
L24M...	L24M...CT
○	○
○	○
○	○
○	○
○	○

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	225	24	9	7	3	10,3
	14	2	225	26	11	9	3	12
	16	2	225	32	12	9	3	14

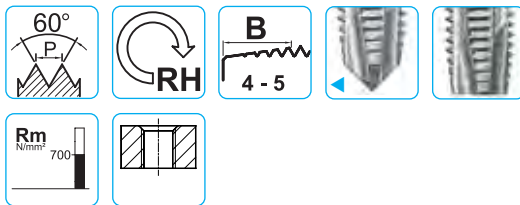
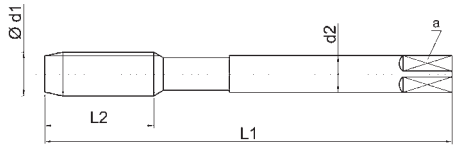
CODICE - CODE	
L25M...	L25M...CT
○	○
○	○
○	○

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs
 € Pagina listino - Price list page 14 14
 ● Standard ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta
 ● Standard ○ Lead time on enquiry, standard price-list ★ Only on request

DIN
371



DIN
376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE



LINE



TOP



LINE



3xD

HSSE

ISO2/6H

BR

1.1 4.1 4.2

5.1 5.2

6.1 7.1

8.1

3xD

HSSE

ISO2/6H

VS

1.1

4.1 4.2

5.1 5.2

8.1

3xD

HSSE

ISO2/6H

TXC

1.1

4.1 4.2 4.3

5.1 5.2

3xD

HSSE

ISO2/6H

ZrN

1.1 1.2 1.3 1.4

2.1 2.2 3.3 3.4

4.2 4.3

5.2

DIN	Ød1	P	L ₁	L ₂	d ₂	a	Z	
371	M	mm			h9	h12		
◀	3	0,5	56	10	3,5	2,7	2	2,5
◀	4	0,7	63	13	4,5	3,4	2	3,3
◀	5	0,8	70	13	6	4,9	2	4,2
◀	6	1	80	16	6	4,9	2	5
◀	8	1,25	90	18	8	6,2	2	6,8
◀	10	1,5	100	20	10	8	2	8,5
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

DIN	Ød1	P	L ₁	L ₂	d ₂	a	Z	
376	M	mm			h9	h12		
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14

CODICE - CODE			
E24M...AL	E24M...AL-VS	E24M...AL-TXC	
○	○	○	
○	○	○	
○	○	○	
○	○	○	
○	○	○	
○	○	○	
-	-	-	*E24M...TZ
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○

CODICE - CODE			
E25M...AL	E25M...AL-VS	E25M...AL-TXC	*E25M...TZ
○	○	○	○
○	○	○	○
○	○	○	○

* In alternativa si consiglia:
Alternatively we recommend:

E24M...TXC - pag. 20
E25M...TXC - pag. 21

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

14

14

15

15

● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

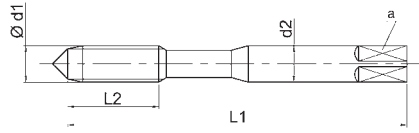
Al-Cu-Fe

ALLUMINIO, RAME, ACCIAIO R ≤ 700 N/mm²

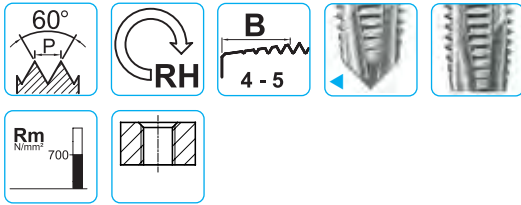
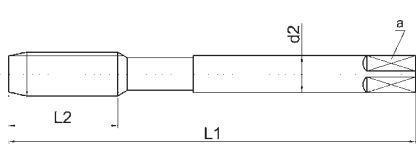
Aluminium, Cooper, Steel R ≤ 700 N/mm²

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



LINE



TOP



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

3xD

3xD

3xD

HSSE

HSSE

HSSE

HSSE

ISO2/6H

ISO2/6H

ISO2/6H

ISO2/6H

BR

TXC

ZrN

CrN

1.1 4.1 4.2

1.1

1.1

1.1 1.2 1.3 1.4

5.1 5.2

4.1 4.2

4.1 4.2

5.1 5.2

6.1 7.1

5.1 5.2

5.1 5.2

8.1

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

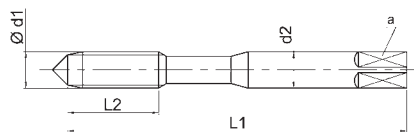
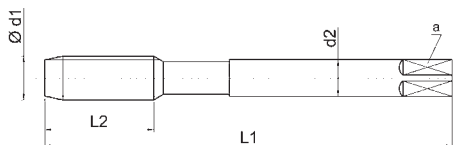
E24M...AZ	CODICE - CODE			E24M...NC
	E24M...AZ-TXC	E24M...AZ-TZ		
○	○	○	○	
●	○	○	○	
●	○	○	○	
●	○	○	○	
●	○	○	○	
●	○	○	○	

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5

E25M...AZ	CODICE - CODE			E25M...NC
	E25M...AZ-TXC	E25M...AZ-TZ		
●	○	○	○	
●	○	○	○	
●	○	○	○	
★	★	-	○	
★	★	-	○	
★	★	-	○	
★	★	-	○	
★	★	-	○	
★	★	-	○	

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	15	15	15	15
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

MASCHI A MACCHINA MACHINE TAPS

DIN
371DIN
376

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD	3xD	3xD	3xD
HSSP	HSSP	HSSP	HSSP
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	TiCN
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2	4.1 4.2	3.3 3.4 4.1 4.2 4.3	2.1 2.2
5.1 5.2	5.1 5.2	5.1 5.2	3.3 3.4 4.2 4.3
	6.1 7.1		5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

CODICE - CODE			
P24M...	P24M... V	P24M...T	P24M...CT
●	●	○	○
●	●	○	○
●	●	○	○
●	●	○	○
●	●	○	○
●	●	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	4	10,3
	14	2	110	28	11	9	4	12
	16	2	110	28	12	9	4	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5

CODICE - CODE			
P25M...	P25M... V	P25M...T	P25M...CT
●	●	○	○
○	○	○	○
●	●	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

16

16

16

16

● Standard
● Standard

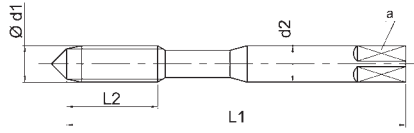
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

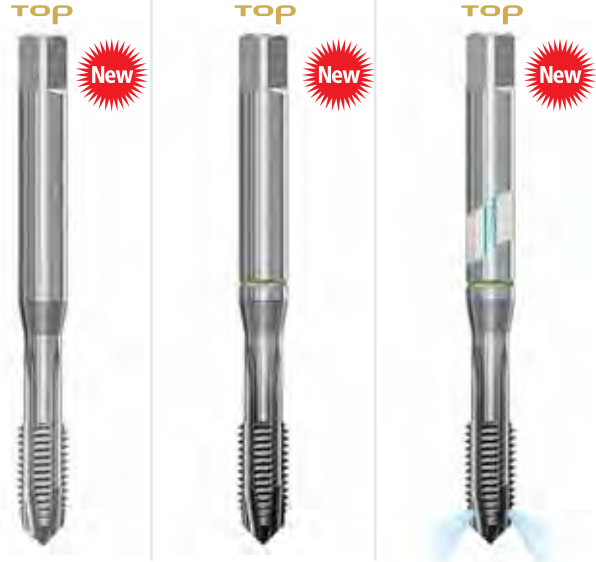
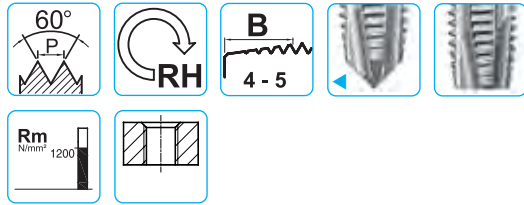
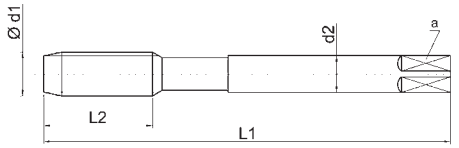
U APPLICAZIONI UNIVERSALI $R \leq 1200 \text{ N/mm}^2$
 Universal Applications $R \leq 1200 \text{ N/mm}^2$

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



- Profondità di filettatura - Thread depth
- Materiale - Material
- Tolleranza - Tolerance
- Trattamento superficiale - Surface treatment
- Numero gruppi materiali
Material's groups number

3xD	3xD	3,5xD
PM3	PM3	PM3
6HX	6HX	6HX
BR	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2	2.1 2.2 2.3	2.1 2.2 2.3
5.1 5.2	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	56	10	3,5	2,7	3	2,5	
4	0,7	63	13	4,5	3,4	3	3,3	
5	0,8	70	13	6	4,9	3	4,2	
6	1	80	16	6	4,9	3	5	
8	1,25	90	18	8	6,2	3	6,8	
10	1,5	100	20	10	8	3	8,5	

K24M...U	CODICE - CODE	
	K24M...XP	K24M...FORY-XP
*	o	-
*	o	-
*	o	-
*	o	o
*	o	o
*	o	o

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1,75	110	25	9	7	4	10,3	
14	2	110	28	11	9	4	12	
16	2	110	28	12	9	4	14	

K25M...U	CODICE - CODE	
	K25M...XP	K25M...FORY-XP
*	o	o
*	o	o
*	o	o

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	16	17	17
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

Rosca ISO métrica regular DIN 13 – Machos de rosca a máquina

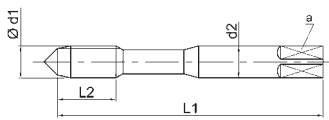
MASCHI A MACCHINA MACHINE TAPS

SYNCHRO RIGID

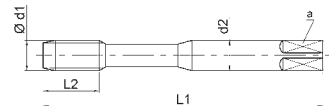
MASCHIATURA RIGIDA SINCRONIZZATA

Rigid Tapping Synchro

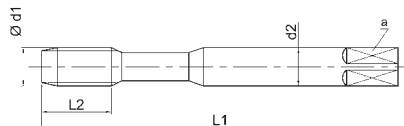
DIN 371



DIN 371



UFS norm



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

TOP



TOP



3xD

3,5xD

PM3

PM3

6HX

6HX

TXC

TXC

1.1 1.2 1.3 1.4 1.5

1.1 1.2 1.3 1.4 1.5

2.1 2.2 2.3 2.4 3.3 3.4

2.1 2.2 2.3 2.4 3.3 3.4

4.1 4.2 4.3 4.5 4.6 5.1

4.1 4.2 4.3 4.5 4.6 5.1

5.2 5.3 6.1 6.2 7.1 7.2

5.2 5.3 6.1 6.2 7.1 7.2

DIN 371	$\varnothing d1$ M	P mm	L_1	L_2 10xP	d_2 h6	a h12	Z	
6	1	80	10	6	4,9	3	5	
8	1,25	90	13	8	6,2	3	6,8	
10	1,5	100	15	10	8	3	8,5	

UFS norm	$\varnothing d1$ M	P mm	L_1	L_2 10xP	d_2 h6	a h12	Z	
12	1,75	110	18	12	9	3	10,3	
14	2	110	20	14	9	3	12	
16	2	110	20	16	12	4	14	

CODICE - CODE	
S24M...TXC	S24M...FORY-TXC
○	○
○	○
○	○

CODICE - CODE	
S24M...TXC	S24M...FORY-TXC
○	○
○	○
○	○

A richiesta:
On request:

Con **Weldon** DIN1835 B

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

17

17

● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

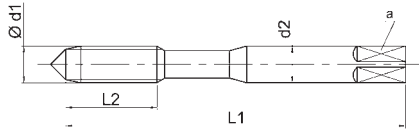
HR

ALTA RESISTENZA

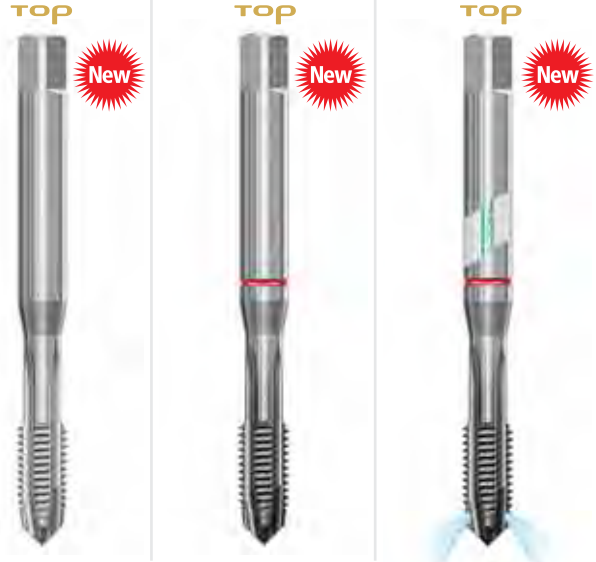
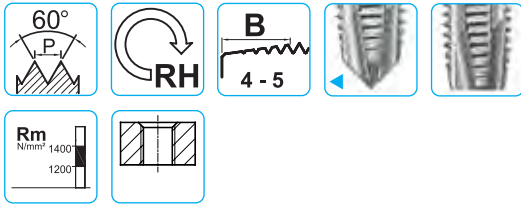
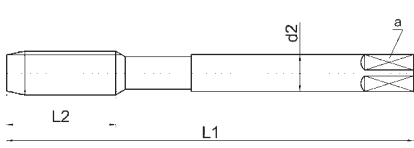
High Resistance

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



Profondità di filettatura - Thread depth	3xD	3xD	3,5xD
Materiale - Material	PM3	PM3	PM3
Tolleranza - Tolerance	6HX	6HX	6HX
Trattamento superficiale - Surface treatment	BR	TXC	TXC
Numero gruppi materiali Material's groups number	1.5 1.6	1.5 1.6	1.5 1.6
	3.3 3.4	3.3 3.4	3.3 3.4
	4.4 5.3	4.4 5.3	4.4 5.3

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	56	10	3,5	2,7	3	2,5	
4	0,7	63	13	4,5	3,4	3	3,3	
5	0,8	70	13	6	4,9	3	4,2	
6	1	80	16	6	4,9	3	5	
8	1,25	90	18	8	6,2	3	6,8	
10	1,5	100	20	10	8	3	8,5	

K24M...HR	CODICE - CODE	
	K24M...TXC	K24M...FORY-TXC
*	○	-
*	●	-
*	●	-
*	●	○
*	●	○
*	●	○

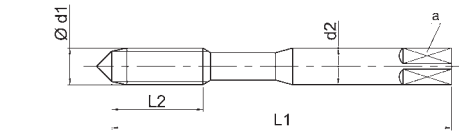
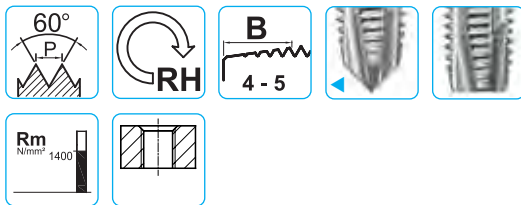
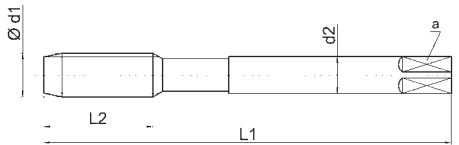
DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1,75	110	25	9	7	4	10,3	
14	2	110	28	11	9	4	12	
16	2	110	28	12	9	4	14	

K25M...HR	CODICE - CODE	
	K25M...TXC	K25M...FORY-TXC
*	●	○
*	○	○
*	○	○

Novità / New
Rivestimento / Coating

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	17	17	18
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Standard	○ Lead time on enquiry, standard price-list	★ Solo a richiesta
● Standard				★ Only on request

MASCHI A MACCHINA MACHINE TAPS

DIN
371DIN
376

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE



top



top



top



3xD

3xD

3xD

3,5xD

HSSE

HSSV3

PM3

PM3

6HX

6HX

6HX

6HX

V

TXC

TXC

TXC

2.1 2.2 2.3

1.3 1.4 1.5

1.3 1.4 1.5

1.3 1.4 1.5

2.1 2.2 2.3 2.4

2.1 2.2 2.3 2.4

2.1 2.2 2.3 2.4

2.1 2.2 2.3 2.4

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	12	1,75	110	25	9	7	4	10,3
	14	2	110	28	11	9	4	12
	16	2	110	28	12	9	4	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21

E24M...X-V	CODICE - CODE		
	V24M...TXC	K24M...X-TXC	K24M...XFORY-TXC
○	●	○	-
○	●	○	-
○	●	○	-
○	●	○	○
○	●	○	○
○	●	○	○

E25M...X-V	CODICE - CODE		
	V25M...TXC	K25M...X-TXC	K25M...XFORY-TXC
○			
○			
○			
-	●	○	○
-	●	○	○
-	●	○	○
○	○		
○	○		
○	○		
○	○		

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

18

18

18

18

● Standard
● Standard

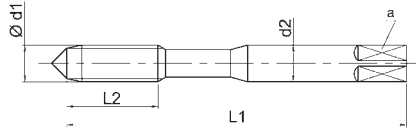
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

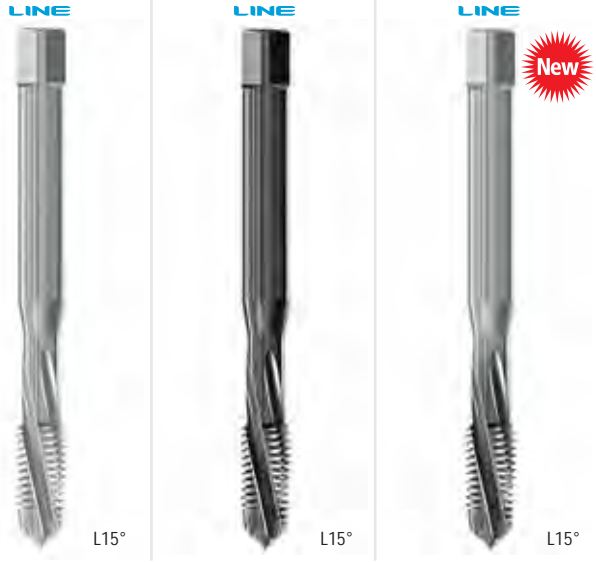
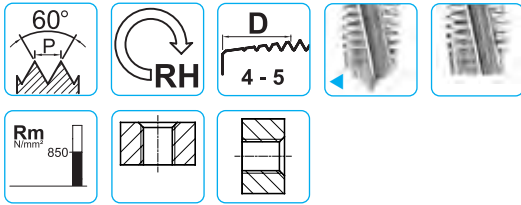
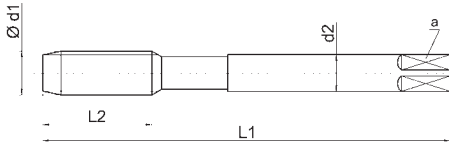
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD	3xD	3xD
HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H
BR	V	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.2 5.2	3.3 3.4
	6.1 7.1	4.3 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

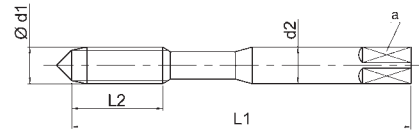
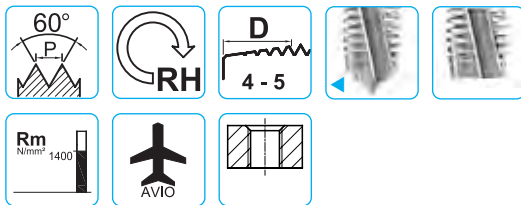
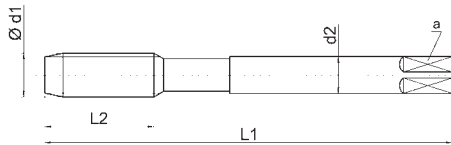
CODICE - CODE		
E50M...	E50M...V	E50M...XP
•	○	○
•	○	○
•	○	○
•	○	○
•	○	○
•	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
new	18	2,5	125	33	14	11	4	15,5
new	20	2,5	140	33	16	12	4	17,5
new	22	2,5	140	33	18	14,5	4	19,5
new	24	3	160	39	18	14,5	4	21
new	27	3	160	39	20	16	4	24
new	30	3,5	180	46	22	18	4	26,5

CODICE - CODE		
E51M...	E51M...V	E51M...XP
•	○	○
•	○	○
•	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○

Da usare in alternativa ai maschi con imbocco corretto per fori profondi specialmente in filettatura orizzontale.
To be used with deep holes, specially in horizontal threading.

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	18-19	19	19
• Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

DIN
371DIN
376

L15°



L15°



L15°

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

PM3

6HX

V

6.1

3xD

PM3

6HX

TiCN

1.6 2.4

3.3 3.4

4.4 5.3 5.4 6.2 6.3

7.2 9.2

3xD

PM3

4HX

V

6.1

DIN	Ød1	P	L ₁	L ₂	d ₂	a	Z	
371	M	mm			h9	h12		
◀	3	0,5	56	10	3,5	2,7	3	*2,5
◀	4	0,7	63	13	4,5	3,4	3	*3,3
◀	5	0,8	70	13	6	4,9	3	*4,2
◀	6	1	80	16	6	4,9	3	*5
◀	8	1,25	90	18	8	6,2	3	*6,8
◀	10	1,5	100	20	10	8	3	*8,5

DIN	Ød1	P	L ₁	L ₂	d ₂	a	Z	
376	M	mm			h9	h12		
	12	1,75	110	25	9	7	3	*10,3
	16	2	110	28	12	9	3	*14

* Per MJ vedi tabella di foratura pag. 252

* Drills' diameters for MJ: table page 252

CODICE - CODE		
K52M...V	K52M...CT	K52M...4HX-V
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*

CODICE - CODE		
K53M...V	K53M...CT	K53M...4HX-V
○	○	*
○	○	*

Confezione / Box:

M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

● Standard
● Standard

19

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

19

19

★ Solo a richiesta
★ Only on request

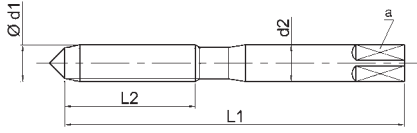
Ni

NICHEL

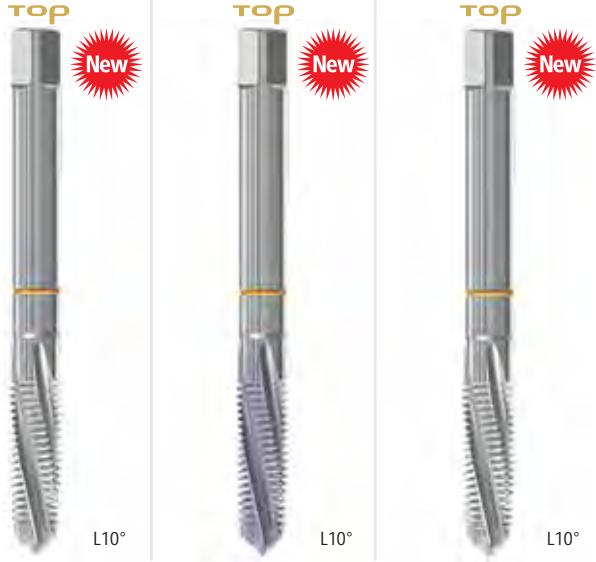
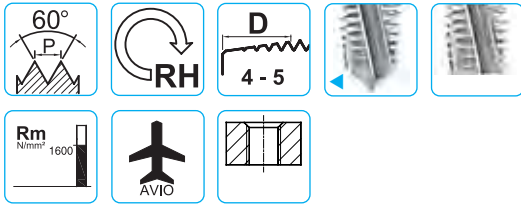
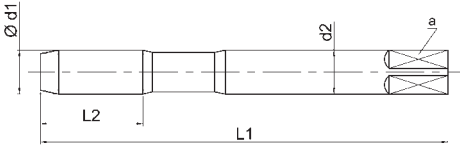
Nickel

MASCHI A MACCHINA MACHINE TAPS

UFS norm



UFS norm



Profondità di filettatura - Thread depth	3xD	3xD	3xD
Materiale - Material	PM3	PM3	PM3
Tolleranza - Tolerance	6HX	6HX	4HX
Trattamento superficiale - Surface treatment	BR	TiCN	BR
Numero gruppi materiali - Material's groups number	7.3 9.3	1.6 5.4 7.2 9.1	7.3 9.3

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	Z
◀	3	0,5	56	10	3,5	2,7	3	*2,5
◀	4	0,7	63	13	4,5	3,4	3	*3,3
◀	5	0,8	70	15	6	4,9	3	*4,2
◀	6	1	80	18	6	4,9	3	*5
◀	8	1,25	90	25	8	6,2	3	*6,8
◀	10	1,5	100	30	10	8	3	*8,5

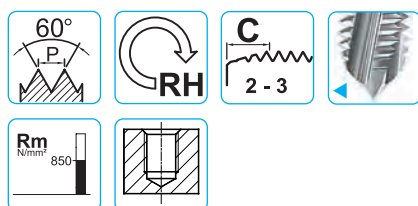
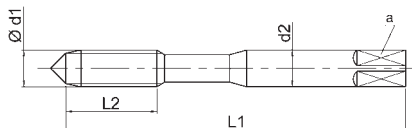
K52M...NI	CODICE - CODE	
	K52M...NI-CT	K52M...NI-4HX
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	Z
	12	1,75	110	30	12	9	3	*10,3

K52M...NI	CODICE - CODE	
	K52M...NI-CT	K52M...NI-4HX
○	○	*

* Per MJ vedi tabella di foratura pag. 252
* Drills' diameters for MJ: table page 252

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	20	20	20
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

DIN
371

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5xD

1,5xD

1,5xD

1,5xD

HSSE

HSSE

HSSE

HSSE

ISO2/6H

ISO2/6H

ISO2/6H

ISO2/6H

BR

V

TiN

XP

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

4.1 4.2

4.1 4.2

3.3 3.4

3.3 3.4

5.1 5.2

5.1 5.2

4.1 4.2 4.3

4.2 4.3

6.1 7.1

5.1 5.2

5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	2	0,4	45	9	2,8	2,1	3	1,6
◀	2,2	0,45	45	9	2,8	2,1	3	1,75
◀	2,3	0,4	45	9	2,8	2,1	3	1,9
◀	2,5	0,45	50	9	2,8	2,1	3	2,05
◀	2,6	0,45	50	9	2,8	2,1	3	2,10
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	3,5	0,6	56	11	4	3	3	2,9
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	7	1	80	16	7	5,5	3	6
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5



Abbiamo a stock tanti maschi speciali, con maggiorazioni, trattamenti, dimensioni diversi dallo standard che possono servire. Interpellateci!

We have a great deal of special taps in stock: oversized, treated, non-standard sizes. Call us!

CODICE - CODE

E40M...	E40M...V	E40M...T	E40M...XP
○	○	○	*
○	○	○	*
○	○	○	*
○	○	○	*
○	○	○	*
●	●	●	●
○	○	○	-
●	●	●	●
●	●	●	●
○	○	○	-
●	●	●	●
●	●	●	●

Segue diametri
Diameters, to be continued

▶ Pag. 37

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

20

20

20

20

● Standard
● Standard

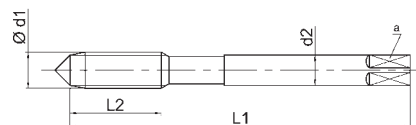
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

* Solo a richiesta
* Only on request

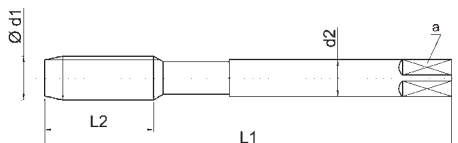
N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

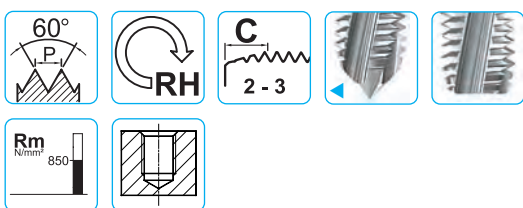
DIN 376



DIN 376



New



Profondità di filettatura - Thread depth


Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5xD	1,5xD	1,5xD	1,5xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,7	63	13	2,8	2,1	3	3,3
◀	5	0,8	70	13	3,5	2,7	3	4,2
◀	6	1	80	16	4,5	3,4	3	5
◀	8	1,25	90	18	6	4,9	3	6,8
◀	10	1,5	100	20	7	5,5	3	8,5
	11	1,5	100	20	8	6,2	3	9,5
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5
	33	3,5	180	46	25	20	4	29,5
	36	4	200	50	28	22	4	32
	39	4	200	50	32	24	4	35
	42	4,5	200	55	32	24	5	37,5
■	45	4,5	220	60	36	29	5	40,5
■	48	5	250	65	36	29	6	43
■	52	5	250	65	40	32	6	47

■ = Acciaio HSS / HSS Steel

CODICE - CODE			
E41M...	E41M...V	E41M...T	E41M...XP
◊	◊	◊	-
◊	◊	◊	-
●	◊	◊	-
●	●	●	-
●	●	●	-
◊	◊	◊	-
●	●	●	●
●	●	●	●
●	◊	◊	-
●	◊	◊	-
●	◊	◊	-
●	◊	◊	-
●	◊	◊	-
●	◊	◊	-
◊	◊	◊	-
◊	◊	◊	-
◊	◊	◊	-
◊	◊	◊	-
◊	◊	◊	-
◊	◊	◊	-

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	21	21	21	21
	<ul style="list-style-type: none"> ● Standard ● Standard 	<ul style="list-style-type: none"> ◊ Disponibilità da richiedere, prezzo a listino ◊ Lead time on enquiry, standard price-list 		<ul style="list-style-type: none"> ★ Solo a richiesta ★ Only on request 	

M Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

Rosca ISO métrica regular DIN 13 – Machos de roscar a máquina

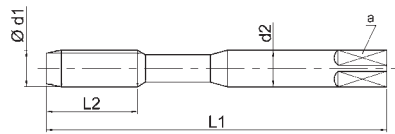


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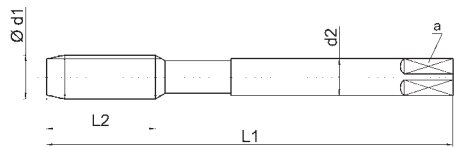
USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN
371



DIN
376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE



R15°

2,5xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

LINE



R15°

2,5xD

HSSE

ISO2/6H

TiN

1.1 1.2 1.3 1.4

3.3 3.4

4.1 4.2 4.3

5.1 5.2

DIN	$\varnothing d1$	P	L_1	L_2	d_2	a	Z	
371	M	mm			h9	h12		
6	1	80	16	6	4,9	3	5	
8	1,25	90	18	8	6,2	3	6,8	
10	1,5	100	20	10	8	3	8,5	

CODICE - CODE

E40M...FOR

E40M...FOR-T

○

○

○

○

○

○

DIN	$\varnothing d1$	P	L_1	L_2	d_2	a	Z	
376	M	mm			h9	h12		
12	1,75	110	25	9	7	3	10,3	
14	2	110	28	11	9	3	12	
16	2	110	28	12	9	3	14	

CODICE - CODE

E41M...FOR

E41M...FOR-T

○

○

○

○

○

○

Confezione / Box:
M3 - M10: 10 pezzi / pcs
M12 - M16: 5 pezzi / pcs

€ Pagina listino - Price list page

21

21

● Standard
● Standard

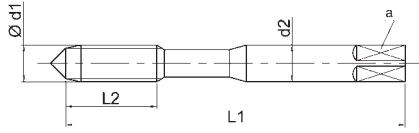
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

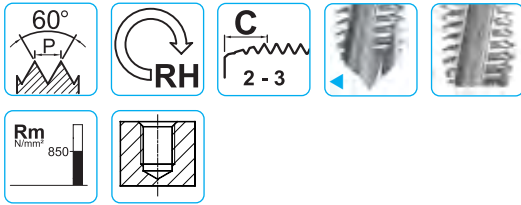
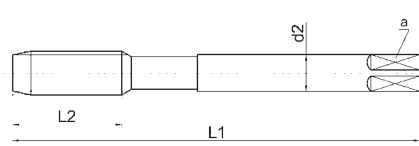
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



R15°



R15°



R15°



R15°

Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

1,5xD	1,5xD	1,5xD	1,5xD
HSSE	HSSE	HSSE	HSSE
ISO1/4H	ISO1/4H	ISO3/6G	ISO3/6G
BR	TiN	BR	TiN
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	3.3 3.4	4.1 4.2	3.3 3.4
5.1 5.2	4.1 4.2 4.3	5.1 5.2	4.1 4.2 4.3
	5.1 5.2		5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

CODICE - CODE			
E40M...-4H	E40M...T-4H	E40M...-6G	E40M...T-6G
○	○	●	○
○	○	●	○
○	○	●	○
○	○	●	○
○	○	●	○
○	○	●	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5

CODICE - CODE			
E41M...-4H	E41M...T-4H	E41M...-6G	E41M...T-6G
○	○	○	○
○	○	○	○
○	○	○	○
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	22	22	22	22
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

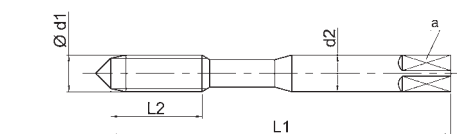
Rosca ISO métrica regular DIN 13 – Machos de roscar a máquina

N

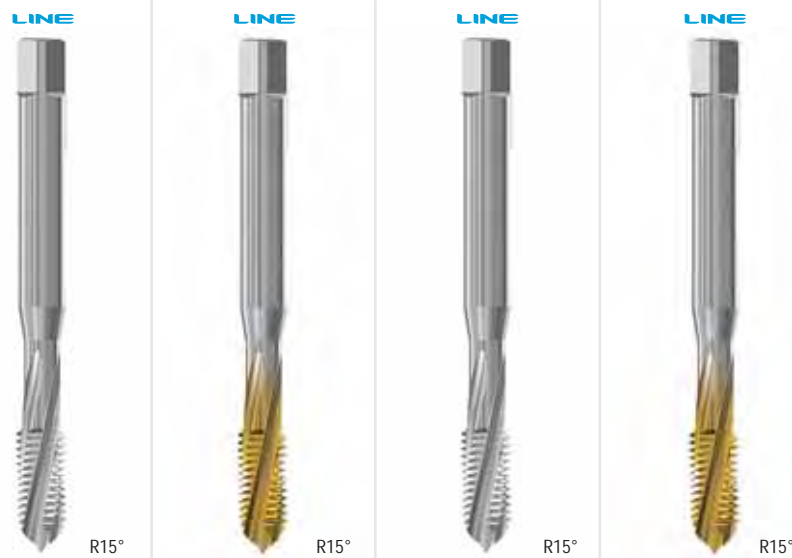
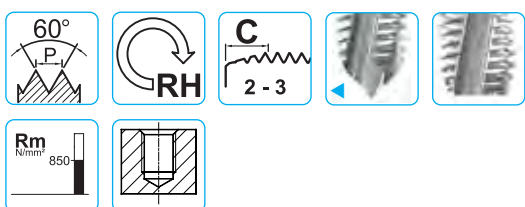
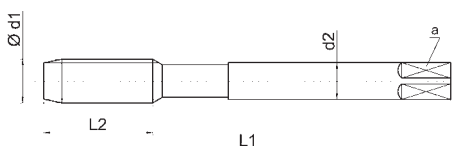
USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



Profondità di filettatura - Thread depth

1,5xD

1,5xD

1,5xD

1,5xD

Materiale - Material

HSSE

HSSE

HSSE

HSSE

Tolleranza - Tolerance

7G (6H+0,05)

7G (6H+0,05)

6H+0,1

6H+0,1

Trattamento superficiale - Surface treatment

BR

TiN

BR

TiN

Numero gruppi materiali
Material's groups number

1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4
4.1	4.2			3.3	3.4			4.1	4.2			3.3	3.4		
5.1	5.2			4.1	4.2	4.3		5.1	5.2			4.1	4.2	4.3	
				5.1	5.2							5.1	5.2		

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	56	10	3,5	2,7	3	2,5	
4	0,7	63	13	4,5	3,4	3	3,3	
5	0,8	70	13	6	4,9	3	4,2	
6	1	80	16	6	4,9	3	5	
8	1,25	90	18	8	6,2	3	6,8	
10	1,5	100	20	10	8	3	8,5	

E40M...-7G	CODICE - CODE		
	E40M...T-7G	E40M...+0,1	E40M...T+0,1
○	○	○	○
○	○	○	○
○	○	○	○
○	○	●	○
○	○	●	○
○	○	●	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1,75	110	25	9	7	3	10,3	
14	2	110	28	11	9	3	12	
16	2	110	28	12	9	3	14	
18	2,5	125	33	14	11	4	15,5	
20	2,5	140	33	16	12	4	17,5	
22	2,5	140	33	18	14,5	4	19,5	
24	3	160	39	18	14,5	4	21	
27	3	160	39	20	16	4	24	
30	3,5	180	46	22	18	4	26,5	

E41M...-7G	CODICE - CODE		
	E41M...T-7G	E41M...+0,1	E41M...T+0,1
○	○	○	○
○	○	○	○
○	○	○	○
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

22

23

23

23

● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

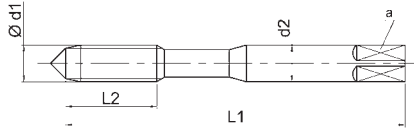
Al-Cu-Fe

ALLUMINIO, RAME, ACCIAIO R ≤ 700 N/mm²

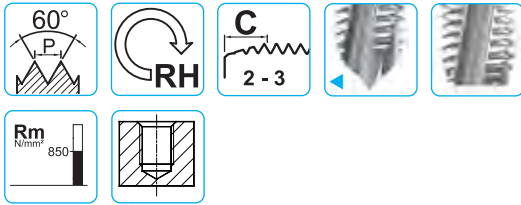
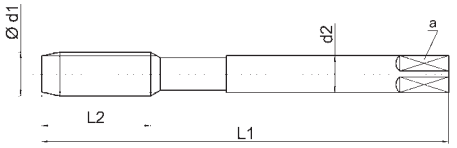
Aluminium, Cooper, Steel R ≤ 700 N/mm²

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



LINE



R15°

LINE



R15°

LINE



R15°

LINE



R15°

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5xD

HSSE

ISO2/6H

BR

1.1 4.1 4.2

5.1 5.2

6.1 7.1

8.1

1,5xD

HSSE

ISO2/6H

V

1.1 4.1 4.2

5.1 5.2

6.1 7.1

8.1

1,5xD

HSSE

ISO2/6H

ZrN

1.1 1.2 1.3 1.4

3.3 3.4

4.2 4.3

5.2

1,5xD

HSSE

ISO2/6H

CrN

1.1 1.2 1.3 1.4

5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

E40M...AZ	CODICE - CODE		E40M...NC
	E40M...AZ-V	*E40M...TZ	
○	○	*	○
○	○	*	○
○	○	*	○
○	○	*	○
○	○	*	○
○	○	*	○

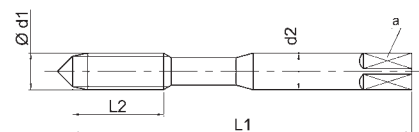
DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14

E41M...AZ	CODICE - CODE		E41M...NC
	E41M...AZ-V	*E41M...TZ	
○	○	*	○
○	○	*	○
○	○	*	○
		* In alternativa si consiglia: Alternatively we recommend:	
		E40M...XP pag. 36	
		E41M...XP pag. 37	

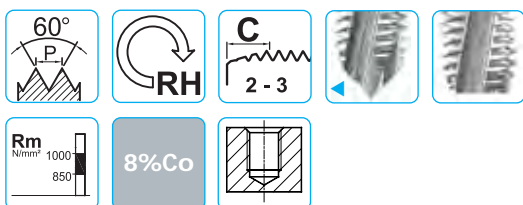
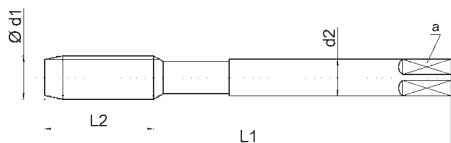
Confezione / Box:	€ Pagina listino - Price list page	23	23	23	24
M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	* Solo a richiesta	* Only on request

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



Profondità di filettatura - Thread depth

1,5xD

1,5xD

1,5xD

1,5xD

Materiale - Material

HSSP

HSSP

HSSP

HSSP

Tolleranza - Tolerance

ISO2/6H

ISO2/6H

ISO2/6H

ISO2/6H

Trattamento superficiale - Surface treatment

BR

V

TiN

TiCN

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4 1.5

1.1 1.2 1.3 1.4 1.5

4.1 4.2

4.1 4.2

3.3 3.4 4.1 4.2 4.3

3.3 3.4 4.2 4.3

5.1 5.2

5.1 5.2

5.1 5.2

5.2

6.1 7.1

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

P40M...	CODICE - CODE		
	P40M... V	P40M... T	P40M... CT
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21
	27	3	160	39	20	16	4	24
	30	3,5	180	46	22	18	4	26,5

P41M...	CODICE - CODE		
	P41M... V	P41M... T	P41M... CT
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

Confezione / Box:

M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

24

24

24

24

● Standard
● Standard○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list★ Solo a richiesta
★ Only on request

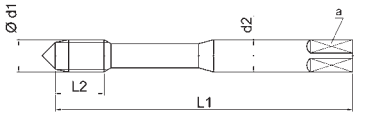
HR

ALTA RESISTENZA

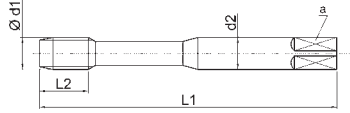
High Resistance

MASCHI A MACCHINA MACHINE TAPS

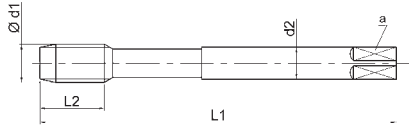
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5xD
PM3
6HX
BR
1.5 1.6
3.3 3.4
4.4 4.5 4.6
5.3

1,5xD
PM3
6HX
TXC
1.5 1.6
3.3 3.4
4.4 4.5 4.6
5.3

2,5xD
PM3
6HX
TXC
1.5 1.6
3.3 3.4
4.4 4.5 4.6
5.3

DIN 371	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

K40M...HR	CODICE - CODE	
	K40M...TXC	K40M...FOR-TXC
*	•	-
*	•	-
*	•	-
*	•	○
*	•	○
*	•	○

DIN 376	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	4	10,3
	14	2	110	20	11	9	4	12
	16	2	110	20	12	9	4	14

K41M...HR	CODICE - CODE	
	K41M...TXC	K41M...FOR-TXC
*	•	○
*	○	○
*	○	○

Novità / New
Rivestimento / Coating

TXC

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	25	25	25
• Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

Filettatura metrica ISO passo grosso DIN 13**ISO Metric coarse thread DIN 13**

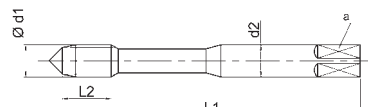
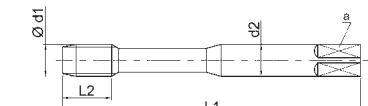
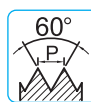
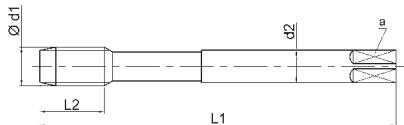
Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

Rosca ISO métrica regular DIN 13 – Machos de roscar a máquina

MASCHI A MACCHINA MACHINE TAPS

Ti

TITANIO
Titanium
DIN 371**DIN 371****DIN 376**

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

 Numero gruppi materiali
Material's groups number


R15°



R15°



R15°



R25°

1,5xD

1,5xD

1,5xD

2,5xD

PM3

PM3

PM3

PM3

6HX

6HX

4HX

6HX

V

TiCN

V

V

6.1

1.6 2.4

6.1

6.1 6.2

3.3 3.4

4.4 5.3 5.4 6.2 6.3

7.2 9.2

DIN 371	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	*2,5
◀	4	0,7	63	7	4,5	3,4	3	*3,3
◀	5	0,8	70	8	6	4,9	3	*4,2
◀	6	1	80	10	6	4,9	3	*5
	8	1,25	90	13	8	6,2	3	*6,8
	10	1,5	100	15	10	8	3	*8,5
◀	3	0,5	56	10	3,5	2,7	3	*2,5
◀	4	0,7	63	13	4,5	3,4	3	*3,3
◀	5	0,8	70	13	6	4,9	3	*4,2
◀	6	1	80	16	6	4,9	3	*5
	8	1,25	90	18	8	6,2	3	*6,8
	10	1,5	100	20	10	8	3	*8,5

DIN 376	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	4	*10,3
	16	2	110	20	12	9	4	*14
	12	1,75	110	25	9	7	4	*10,3
	16	2	110	28	12	9	4	*14

CODICE - CODE	CODICE - CODE		
	K42M...V	K42M...CT	K42M...V-4HX
○	○	★	
○	○	★	
○	○	★	
○	○	★	
○	○	★	
○	○	★	
			K28M...AZ-V
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○

CODICE - CODE	CODICE - CODE		
	K43M...V	K43M...CT	K43M...V-4HX
○	○	★	
○	○	★	
			K29M...AZ-V
-	-	-	○
-	-	-	○

* Per MJ vedi tabella di foratura pag. 252

* Drills' diameters for MJ: table page 252

Confezione / Box:

M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

25

25

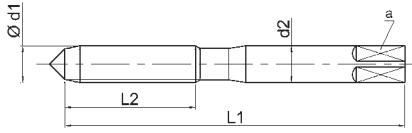
25

26

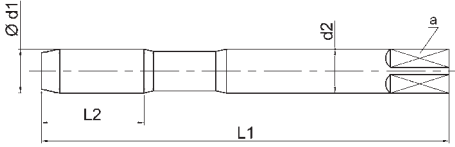
● Standard
● Standard○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list★ Solo a richiesta
★ Only on request

Ni NICHEL Nickel

UFS norm



UFS norm



60° P_v RH C 2-3 Rm N_{min} 1400 AVIO BT Back Tapered



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali Material's groups number

1,5xD	1,5xD	1,5xD	2,5xD
PM3	PM3	PM3	PM3
6HX	6HX	4HX	6HX
BR	TiCN	BR	V
7.3 9.3	1.6 5.4	7.3 9.3	7.1 7.2
	7.2 9.1		

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	Z	
◀	3	0,5	56	10	3,5	2,7	3	*2,5	
◀	4	0,7	63	13	4,5	3,4	3	*3,3	
◀	5	0,8	70	15	6	4,9	3	*4,2	
◀	6	1	80	18	6	4,9	3	*5	
◀	8	1,25	90	25	8	6,2	3	*6,8	
◀	10	1,5	100	30	10	8	3	*8,5	
◀	3	0,5	56	10	3,5	2,7	3	*2,5	
◀	4	0,7	63	13	4,5	3,4	3	*3,3	
◀	5	0,8	70	13	6	4,9	3	*4,2	
◀	6	1	80	16	6	4,9	3	*5	
◀	8	1,25	90	18	8	6,2	3	*6,8	
◀	10	1,5	100	20	10	8	3	*8,5	

K42M...NI	CODICE - CODE		K28M...V
	K42M...NI-CT	K42M...NI-4HX	
○	○	*	
○	○	*	
○	○	*	
○	○	*	
○	○	*	
○	○	*	
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○
-	-	-	○

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	Z	
	12	1,75	110	30	12	9	4	*10,3	
	12	1,75	110	25	9	7	4	*10,3	
	14	2	110	28	11	9	4	*12	
	16	2	110	28	12	9	4	*14	

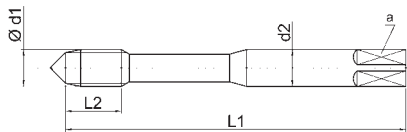
K42M...NI	CODICE - CODE		K29M...V
	K42M...NI-CT	K42M...NI-4HX	
○	○	*	
-	-	-	○
-	-	-	○
-	-	-	○

* Per MJ vedi tabella di foratura pag. 252
 * Drills' diameters for MJ: table page 252

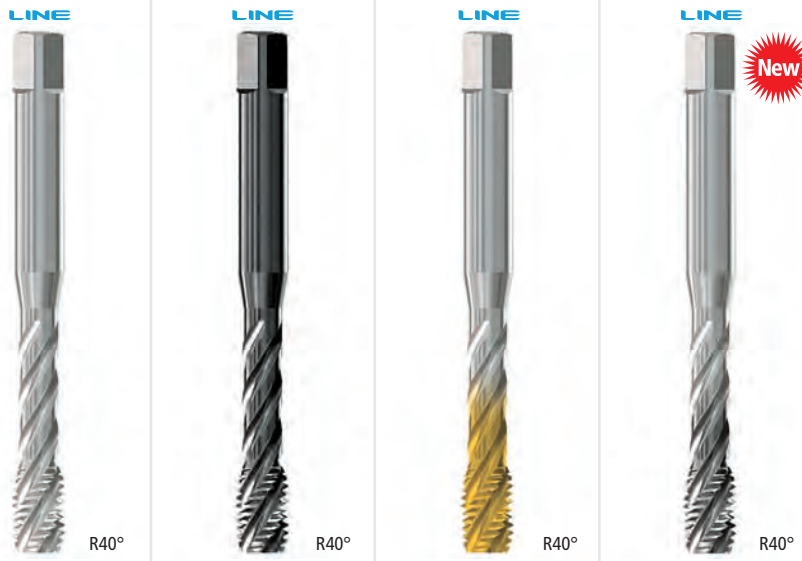
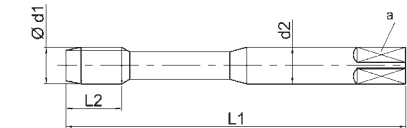
Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	26	26	26	26
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request	

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 371



Profondità di filettatura - Thread depth	2,5xD	2,5xD	2,5xD	2,5xD
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment	BR	V	TiN	TXC
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
	5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
new 1	0,25	40	5	2,5	2,1	-	0,75	◀
new 1,2	0,25	40	5	2,5	2,1	-	0,95	◀
new 1,4	0,3	40	7	2,5	2,1	-	1,1	◀
new 1,6	0,35	40	8	2,5	2,1	-	1,25	◀
new 1,7	0,35	40	8	2,5	2,1	-	1,35	◀
new 1,8	0,35	40	8	2,5	2,1	-	1,45	◀
2	0,4	45	9	2,8	2,1	3	1,6	◀
2,2	0,45	45	9	2,8	2,1	3	1,75	◀
2,3	0,4	45	9	2,8	2,1	3	1,9	◀
2,5	0,45	50	9	2,8	2,1	3	2,05	◀
2,6	0,45	50	9	2,8	2,1	3	2,10	◀
3	0,5	56	5	3,5	2,7	3	2,5	◀
3,5	0,6	56	7	4	3	3	2,9	◀
4	0,7	63	7	4,5	3,4	3	3,3	◀
4,5	0,75	70	13	6	4,9	3	3,70	◀
5	0,8	70	8	6	4,9	3	4,2	◀
6	1	80	10	6	4,9	3	5	◀
7	1	80	10	7	5,5	3	6	◀
8	1,25	90	13	8	6,2	3	6,8	◀
9	1,25	90	13	9	7	3	7,80	◀
10	1,5	100	15	10	8	3	8,5	◀
8	1,25	90	18	8	6,2	3	6,8	◀
10	1,5	100	20	10	8	3	8,5	◀

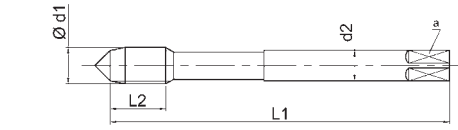
E60M...	CODICE - CODE		
	E60M...V	E60M...T	E60M...TXC
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
*	-	-	-
●	○	○	-
*	*	*	-
*	*	*	-
●	○	○	-
○	○	○	-
●	●	●	●
○	○	○	*
●	●	●	●
*	*	*	*
●	●	●	●
●	●	●	●
○	○	○	*
●	●	●	●
○	○	○	*
●	●	●	●
E60M...CP			
*	*	*	*
*	*	*	*

Segue diametri
Dimensions, to be continued

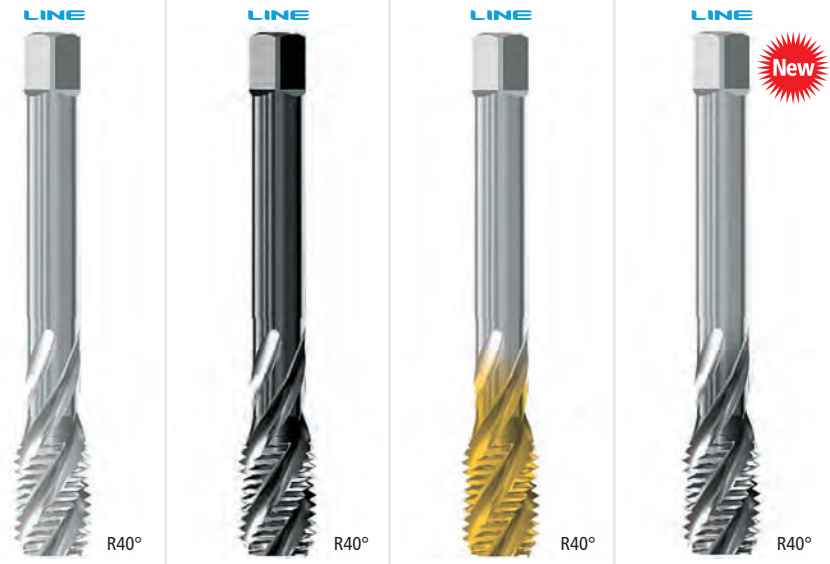
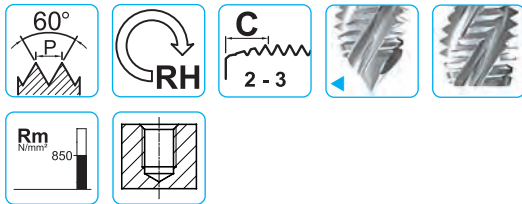
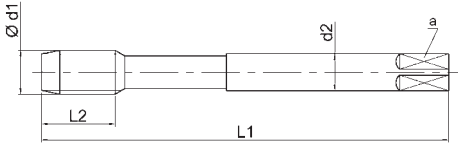
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 376



DIN 376



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment
Numero gruppi materiali
Material's groups number

2,5xD	2,5xD	2,5xD	2,5xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	TXC
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
		5.1 5.2	5.2

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,7	63	7	2,8	2,1	3	3,3
◀	5	0,8	70	8	3,5	2,7	3	4,2
◀	6	1	80	10	4,5	3,4	3	5
	8	1,25	90	13	6	4,9	3	6,8
	10	1,5	100	15	7	5,5	3	8,5
	11	1,5	100	15	8	6,2	3	9,5
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21
	27	3	160	30	20	16	4	24
	30	3,5	180	35	22	18	4	26,5
	33	3,5	180	35	25	20	4	29,5
	36	4	200	40	28	22	4	32
	39	4	200	40	32	24	4	35
	42	4,5	200	40	32	24	5	37,5
■	45	4,5	220	50	36	29	5	40,5
■	48	5	250	50	36	29	6	43
■	52	5	250	50	40	32	6	47

■ = Acciaio HSS / HSS Steel

E61M...	CODICE - CODE		
	E61M...V	E61M...T	E61M...TXC
*	*	*	*
○	○	○	*
○	○	○	*
●	●	●	●
●	●	●	●
○	○	○	*
●	●	●	●
●	○	○	*
●	○	○	*
●	○	○	*
●	○	○	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*

Confezione / Box M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	27	27	28	28
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request	

M

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 - Maschinengewindebohrer

Filetage métrique ISO DIN 13 - Tarauds machine

Rosca ISO métrica regular DIN 13 - Machos de rosca a máquina

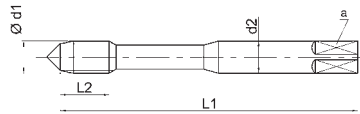


N

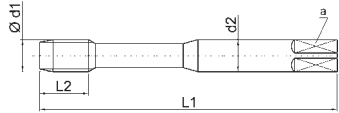
USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

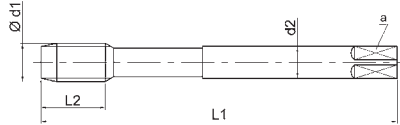
DIN 371



DIN 371



DIN 376



LINE



R40°

3xD
HSSE
ISO2/6H
BR
1.1 1.2 1.3 1.4
4.1 4.2
5.1 5.2

LINE



R40°

3xD
HSSE
ISO2/6H
TiN
1.1 1.2 1.3 1.4
3.3 3.4
4.1 4.2 4.3
5.1 5.2

LINE



R40°

3xD
HSSE
ISO2/6H
TxC
1.1 1.2 1.3 1.4
2.1 2.2 3.3 3.4
4.2 4.3
5.2

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
6	1	80	10	6	4,9	3	5	
8	1,25	90	13	8	6,2	3	6,8	
10	1,5	100	15	10	8	3	8,5	

E60M...FOR	CODICE - CODE	
	E60M...FOR-T	E60M...FOR-TXC
○	○	○
○	○	○
○	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1,75	110	18	9	7	3	10,3	
14	2	110	20	11	9	3	12	
16	2	110	20	12	9	4	14	
new 18	2,5	125	25	14	11	4	15,5	
new 20	2,5	140	25	16	12	4	17,5	
new 22	2,5	140	25	18	14,5	4	19,5	
new 24	3	160	30	18	14,5	4	21	

E61M...FOR	CODICE - CODE	
	E61M...FOR-T	E61M...FOR-TXC
○	○	○
○	○	○
○	○	○
○	○	*
○	○	*
○	○	*
○	○	*

Confezione / Box:
M3 - M10: 10 pezzi / pcs
M12 - M16: 5 pezzi / pcs

€ Pagina listino - Price list page

28

28

28

● Standard

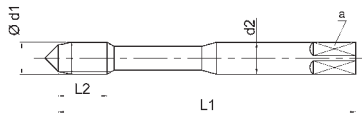
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

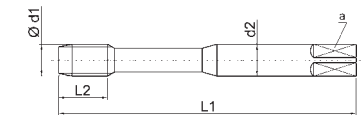
N USO GENERALE
General purpose

MASCHI A MACCHINA, FILETTATURA SINISTRA MACHINE TAPS

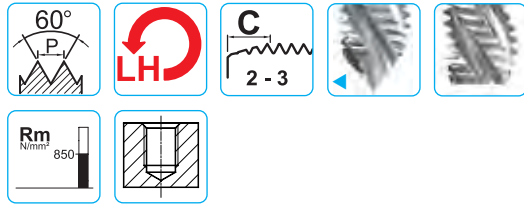
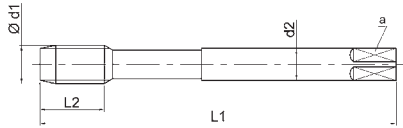
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment
Numero gruppi materiali
Material's groups number

2,5xD	2,5xD	2,5xD
HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H
BR	V	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.2 4.3
		5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODICE - CODE		
E60M...LH	E60M...LH-V	E60M...LH-XP
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21

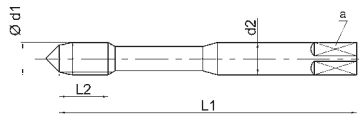
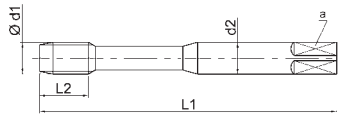
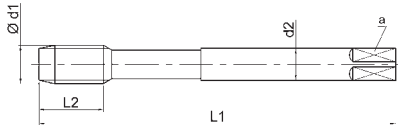
CODICE - CODE		
E61M...LH	E61M...LH-V	E61M...LH-XP
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs

€ Pagina listino - Price list page

28	29	29
● Standard	○ Disponibilità da richiedere, prezzo a listino	★ Solo a richiesta
● Standard	○ Lead time on enquiry, standard price-list	★ Only on request

MASCHI A MACCHINA MACHINE TAPS

DIN
371DIN
371DIN
376

LINE



R40°

LINE



New

R40°

LINE



R40°

LINE



New

R40°

Profondità di filettatura - Thread depth

2,5xD

2,5xD

2,5xD

2,5xD

Materiale - Material

HSSE

HSSE

HSSE

HSSE

Tolleranza - Tolerance

ISO1/4H

ISO1/4H

ISO3/6G

ISO3/6G

Trattamento superficiale - Surface treatment

BR

XP

BR

XP

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

4.1 4.2

2.1 2.2 3.3 3.4

4.1 4.2

2.1 2.2 3.3 3.4

5.1 5.2

4.2 4.3

5.1 5.2

4.2 4.3

5.2

5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODICE - CODE	E60M...-4H				E60M...XP-4H				E60M...-6G				E60M...XP-6G			
	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4
○	○	○	○	○	○	○	○	○	●	●	●	●	○	○	○	○
○	○	○	○	○	○	○	○	○	●	●	●	●	○	○	○	○
○	○	○	○	○	○	○	○	○	●	●	●	●	○	○	○	○
○	○	○	○	○	○	○	○	○	●	●	●	●	○	○	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	4	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21

CODICE - CODE	E61M...-4H				E61M...XP-4H				E61M...-6G				E61M...XP-6G			
	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★
★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★
★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

29

29

29

29

● Standard
● Standard

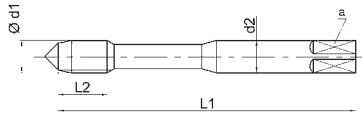
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

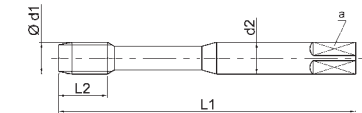
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

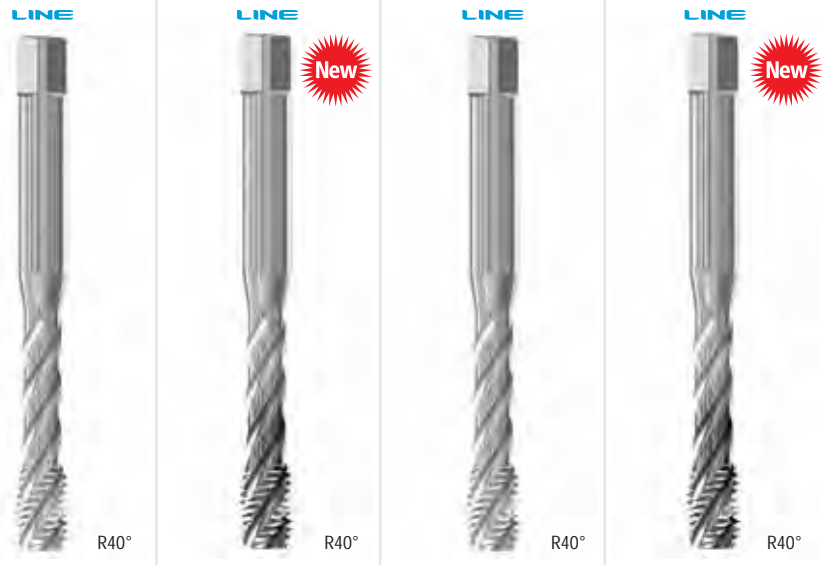
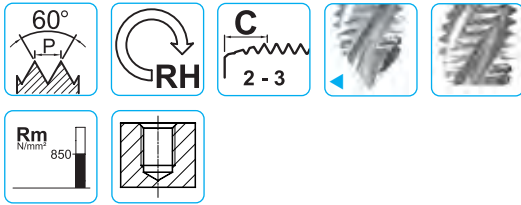
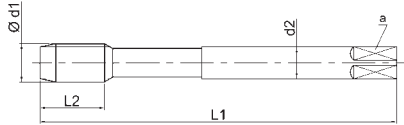
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

2,5xD	2,5xD	2,5xD	2,5xD
HSSE	HSSE	HSSE	HSSE
7G(6H+0,05)	7G(6H+0,05)	6H+0,1	6H+0,1
BR	XP	BR	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	2.1 2.2 3.3 3.4	4.1 4.2	2.1 2.2 3.3 3.4
5.1 5.2	4.2 4.3	5.1 5.2	4.2 4.3
	5.2		5.2

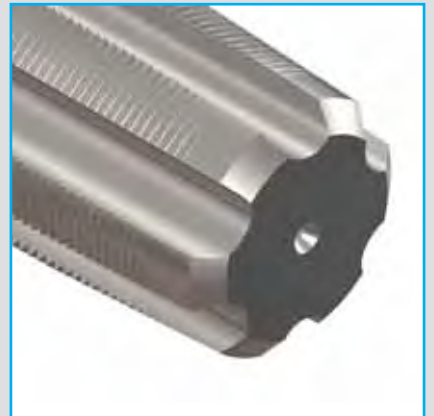
DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODICE - CODE			
E60M...-7G	E60M...XP-7G	E60M...+0,1	E60M...XP+0,1
○	○	○	○
○	○	○	○
○	○	○	○
○	○	●	○
○	○	●	○
○	○	●	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	4	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5
	22	2,5	140	33	18	14,5	4	19,5
	24	3	160	39	18	14,5	4	21

CODICE - CODE			
E61M...-7G	E61M... XP-7G	E61M...+0,1	E61M... XP+0,1
○	○	●	○
○	○	○	○
○	○	●	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○

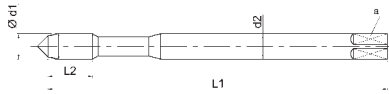
Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	30	30	30	30
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	



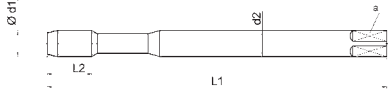
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

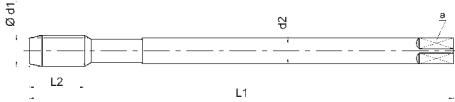
UFS norm



UFS norm



UFS norm



LINE



R40°

LINE



R40°



Profondità di filettatura - Thread depth

2,5xD

2,5xD

Materiale - Material

HSSE

HSSE

Tolleranza - Tolerance

ISO2/6H

ISO2/6H

Trattamento superficiale - Surface treatment

BR

TiCN

Numero gruppi materiali
Material's groups number

1.1	1.2	1.3	1.4	1.1	1.2	1.3	1.4
4.1	4.2	2.1	2.2	3.3	3.4		
5.1	5.2	4.2	4.3				
		5.2					

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,7	125	7	4,5	3,4	3	3,3
◀	5	0,8	140	8	6	4,9	3	4,2
◀	6	1	160	10	6	4,9	3	5
	8	1,25	180	13	8	6,2	3	6,8
	10	1,5	180	16	10	8	3	8,5

CODICE - CODE	
L60M...	L60M...CT
○	○
○	○
○	○
○	○
○	○

UFS norm	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	225	23	9	7	3	10,3
	14	2	225	23	11	9	4	12
	16	2	225	23	12	9	4	14

CODICE - CODE	
L61M...	L61M... CT
○	○
○	○
○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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- Standard
- Standard

- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

Rosca ISO métrica regular DIN 13 – Machos de rosca a máquina

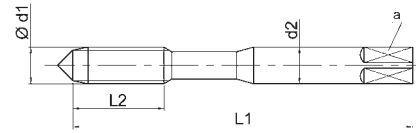
MASCHI A MACCHINA MACHINE TAPS

Al-Cu-Fe

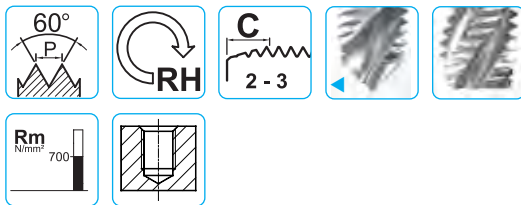
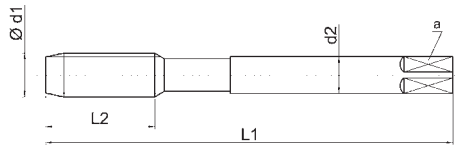
ALLUMINIO, RAME, ACCIAIO R ≤ 700 N/mm²

Aluminium, Cooper, Steel R ≤ 700 N/mm²

DIN 371



DIN 376



LINE



R45°

LINE



R45°

TOP



R45°

LINE



R45°

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

HSSE

ISO2/6H

BR

1.1 4.1 4.2

5.1 5.2

6.1 7.1

8.1

3xD

HSSE

ISO2/6H

VS

1.1

4.1 4.2

5.1 5.2

8.1

3xD

HSSE

ISO2/6H

TXC

1.1

4.1 4.2 4.3

5.1 5.2

3xD

HSSE

ISO2/6H

ZrN

1.1

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	2	2,5
◀	4	0,7	63	13	4,5	3,4	2	3,3
◀	5	0,8	70	13	6	4,9	2	4,2
◀	6	1	80	16	6	4,9	2	5
◀	8	1,25	90	18	8	6,2	2	6,8
◀	10	1,5	100	20	10	8	2	8,5

E70M...	CODICE - CODE		
	E70M...VS	E70M...TXC	E70M...TZ
•	○	○	★
•	○	○	★
•	○	○	★
•	○	○	★
•	○	○	★
•	○	○	★

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	1	80	16	4,5	3,4	2	5
◀	8	1,25	90	18	6	4,9	2	6,8
◀	10	1,5	100	20	7	5,5	2	8,5
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14

E71M...	CODICE - CODE		
	E71M...VS	E71M...TXC	E71M...TZ
○	○	○	-
○	○	○	-
○	○	○	-
•	○	○	★
•	○	○	★
•	○	○	★

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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31

• Standard
• Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

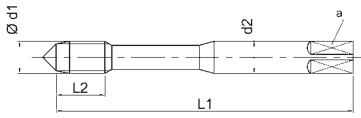
Al-Cu-Fe

ALLUMINIO, RAME, ACCIAIO R ≤ 700 N/mm²

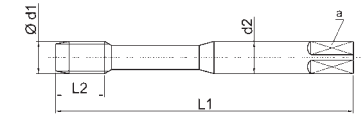
Aluminium, Cooper, Steel R ≤ 700 N/mm²

MASCHI A MACCHINA MACHINE TAPS

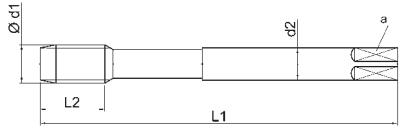
DIN 371



DIN 371



DIN 376



LINE



R40°



Profondità di filettatura - Thread depth

2,5xD

Materiale - Material

HSSE

Tolleranza - Tolerance

ISO2/6H

Trattamento superficiale - Surface treatment

CrN

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4

5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

E60M...NC		CODICE - CODE	
○			
○			
○			
○			
○			
○			

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	6	1	80	10	4,5	3,4	3	5
	8	1,25	90	13	6	4,9	3	6,8
	10	1,5	100	15	7	5,5	3	8,5
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21
	27	3	160	30	20	16	4	24
	30	3,5	180	35	22	18	4	26,5

E61M...NC		CODICE - CODE	
*			
*			
*			
○			
○			
○			
*			
*			
*			
*			
*			
*			

Confezione / Box:

M3 - M10: 10 pezzi / pcs
M12 - M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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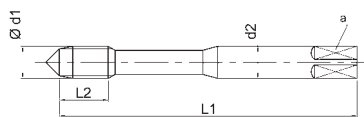
● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

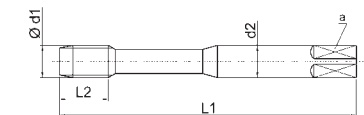
★ Solo a richiesta
★ Only on request

MASCHI A MACCHINA MACHINE TAPS

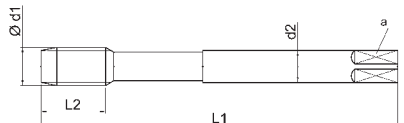
DIN 371



DIN 371



DIN 376



R40°



R40°



R40°



R40°



Profondità di filettatura - Thread depth

2,5xD

2,5xD

2,5xD

2,5xD

Materiale - Material

HSSP

HSSP

HSSP

HSSP

Tolleranza - Tolerance

ISO2/6H

ISO2/6H

ISO2/6H

ISO2/6H

Trattamento superficiale - Surface treatment

BR

V

TiN

XP

 Numero gruppi materiali
 Material's groups number

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4 1.5

1.1 1.2 1.3 1.4 1.5

4.1 4.2

4.1 4.2

3.3 3.4 4.1 4.2 4.3

2.1 2.2

5.1 5.2

5.1 5.2

5.1 5.2

3.3 3.4 4.2 4.3

5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

P60M...	CODICE - CODE		
	P60M...V	P60M...T	P60M...XP
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	4	10,3
	14	2	110	20	11	9	4	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21
	27	3	160	30	20	16	4	24
	30	3,5	180	35	22	18	4	26,5

P61M...	CODICE - CODE		
	P61M...V	P61M...T	P61M...XP
•	○	○	○
•	○	○	○
•	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

Confezione / Box:

M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

32

32

32

32

 • Standard
 • Standard

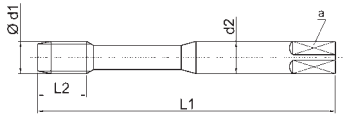
 ○ Disponibilità da richiedere, prezzo a listino
 ○ Lead time on enquiry, standard price-list

 ★ Solo a richiesta
 ★ Only on request

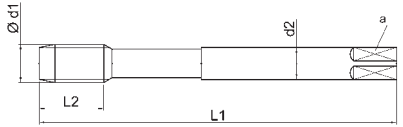
N USO GENERALE R ≤ 1000N/mm²
General purpose R ≤ 1000N/mm²

MASCHI A MACCHINA MACHINE TAPS

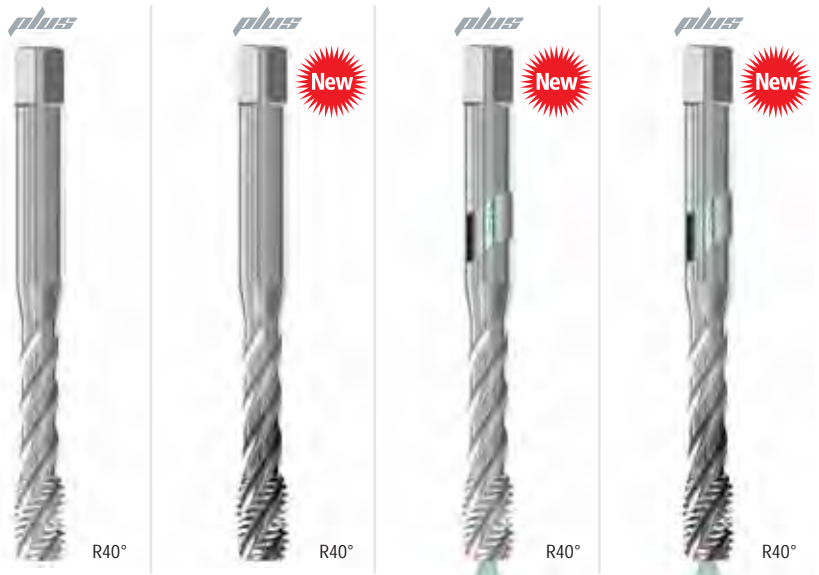
DIN 371



DIN 376



60°
RH
E
1,5 - 2
Rm
N/mm² 1000
850
8%Co



Profondità di filettatura - Thread depth	2,5xD	2,5xD	3xD	3xD
Materiale - Material	HSSP	HSSP	HSSP	HSSP
Tolleranza - Tolerance	ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment	BR	XP	BR	XP
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4 4.1 4.2 5.1 5.2	1.1 1.2 1.3 1.4 1.5 2.1 2.2 3.3 3.4 4.2 4.3 5.2	1.1 1.2 1.3 1.4 4.1 4.2 5.1 5.2	1.1 1.2 1.3 1.4 1.5 2.1 2.2 3.3 3.4 4.2 4.3 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	4	0,7	63	7	4,5	3,4	3	3,3
	5	0,8	70	8	6	4,9	3	4,2
	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODICE - CODE			
P60EM...	P60EM...XP	P60EM...FOR	P60EM...FOR-XP
★	★	-	-
○	○	-	-
○	○	○	○
○	○	○	○
○	○	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	4	10,3
	14	2	110	20	11	9	4	12
	16	2	110	20	12	9	4	14

CODICE - CODE			
P61EM...	P61EM...XP	P61EM...FOR	P61EM...FOR-XP
○	○	○	○
○	○	○	○
○	○	○	○

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	33	33	33	33
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

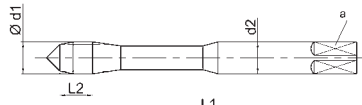
Rosca ISO métrica regular DIN 13 – Machos de rosca a máquina

N

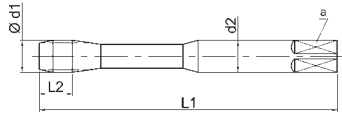
USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

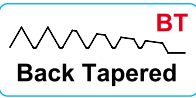
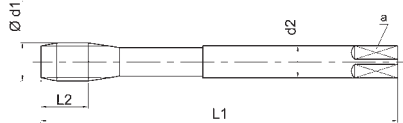
DIN 371



DIN 371



DIN 376



Back Tapered

LINE



R40°

LINE



R40°

LINE



R40°

LINE



R40°

Profondità di filettatura - Thread depth

2,5+3xD

2,5+3xD

2,5+3xD

2,5+3xD

Materiale - Material

HSSE

HSSE

HSSE

HSSE

Tolleranza - Tolerance

ISO2/6H

ISO2/6H

ISO2/6H

ISO2/6H

Trattamento superficiale - Surface treatment

BR

V

TiN

XP

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

5.1 5.2

2.1 2.2

5.1 5.2

2.1 2.2

5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

E80M...	CODICE - CODE			E80M...XP
	E80M...V	E80M...T		
•	○	○	○	○
•	○	○	○	○
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1,25	90	13	6	4,9	3	6,8
	10	1,5	100	15	7	5,5	3	8,5
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21
	27	3	160	30	20	16	4	24
	30	3,5	180	35	22	18	4	26,5

E81M...	CODICE - CODE			E81M...XP
	E81M...V	E81M...T		
○	○	○	○	○
○	○	○	○	○
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
○	○	○	○	○
•	○	○	○	○
○	○	○	○	○
•	○	○	○	○
•	○	○	○	○
•	○	○	○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

33

33

34

34

• Standard
• Standard

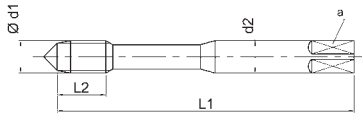
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

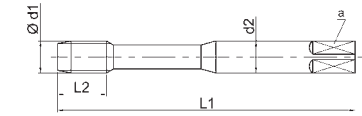
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

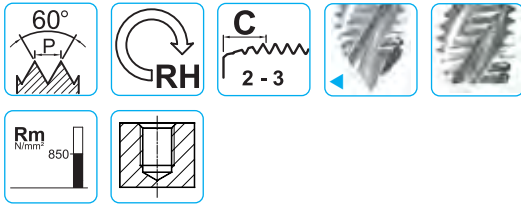
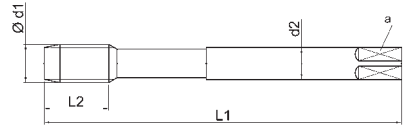
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment
Numero gruppi materiali
Material's groups number

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.2 5.2	2.1 2.2	4.2 5.2	2.1 2.2
	4.2 5.2		4.2 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODICE - CODE			
E82M...	E82M...V	E82M...T	E82M...XP
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	4	10,3
	14	2	110	20	11	9	4	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21

CODICE - CODE			
E83M...	E83M...V	E83M...T	E83M...XP
•	○	○	○
•	○	○	○
•	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

Versione ad alto rendimento in PM3 pagina seguente.
High performance PM3 edition in following page.

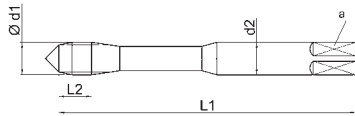
Confezione / Box: M3 – M10: 10 pezzi / pcs; M12 – M16: 5 pezzi / pcs
€ Pagina listino - Price list page
34 34 34 34
• Standard ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta
• Standard ○ Lead time on enquiry, standard price-list ★ Only on request

MASCHI A MACCHINA MACHINE TAPS

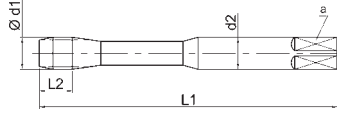
U

APPLICAZIONI UNIVERSALI R ≤ 1200 N/mm²Universal Applications R ≤ 1200 N/mm²

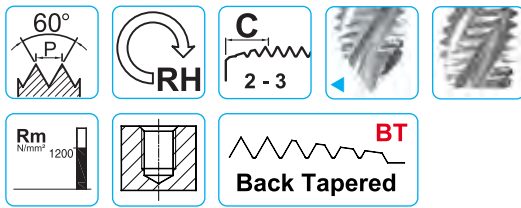
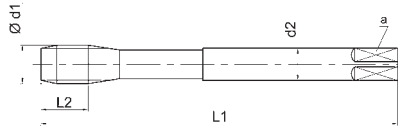
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

 Numero gruppi materiali
 Material's groups number

3xD

3xD

3,5xD

3,5xD

PM3

PM3

PM3

PM3

6HX

6HX

6HX

6HX

BR

XP

XP

XP

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4 1.5

1.1 1.2 1.3 1.4 1.5

1.1 1.2 1.3 1.4 1.5

4.2 5.2

2.1 2.2 2.3

2.1 2.2 2.3

2.1 2.2 2.3

3.3 3.4 4.2 4.3

3.3 3.4 4.2 4.3

3.3 3.4 4.2 4.3

5.2

5.2

5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	4	10,3
	14	2	110	20	11	9	4	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21

CODICE - CODE	CODICE - CODE			
	K82M...U	K82M...XP	K82M...FOR-XP	K82M...FOR-XP
*	○	-	-	-
*	○	-	-	-
*	○	-	-	-
*	○	○	○	*
*	○	○	○	*
*	○	○	○	*

CODICE - CODE	CODICE - CODE			
	K83M...U	K83M...XP	K83M...FOR-XP	K83M...FOR-XP
*	○	○	*	*
*	○	○	○	*
*	○	○	○	*
*	○	*	*	*
*	○	*	*	*
*	○	*	*	*
*	○	*	*	*

 Confezione / Box:
 M3 – M10: 10 pezzi / pcs
 M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

35

35

35

35

 ● Standard
 ● Standard

 ○ Disponibilità da richiedere, prezzo a listino
 ○ Lead time on enquiry, standard price-list

 ★ Solo a richiesta
 ★ Only on request

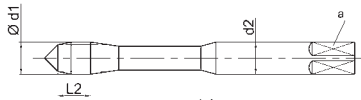
SYNCHRO RIGID

MASCHIATURA RIGIDA SINCRONIZZATA

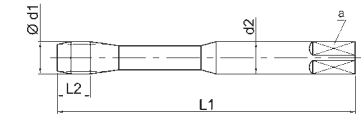
Rigid Tapping Synchro

MASCHI A MACCHINA MACHINE TAPS

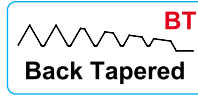
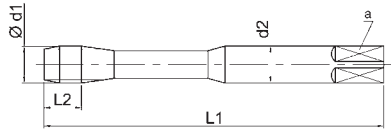
DIN 371



DIN 371



UFS norm



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2,5xD	3xD
PM3	PM3
6HX	6HX
TXC	TXC
1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
2.1 2.2 2.3 2.4 3.3 3.4	2.1 2.2 2.3 2.4 3.3 3.4
4.2 4.3 5.2	4.2 4.3 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h6	a h12	Z	
6	1	80	10	6	4,9	3	5	
8	1,25	90	13	8	6,2	3	6,8	
10	1,5	100	15	10	8	3	8,5	

CODICE - CODE	
S80M...TXC	S80M...FOR-TXC
○	○
○	○
○	○

UFS norm	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h6	a h12	Z	
12	1,75	110	18	12	9	3	10,3	
14	2	110	20	12	9	3	12	
16	2	110	20	16	12	4	14	

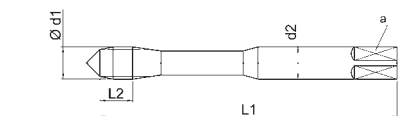
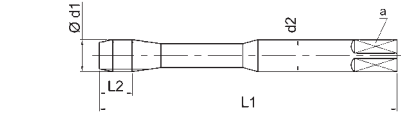
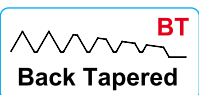
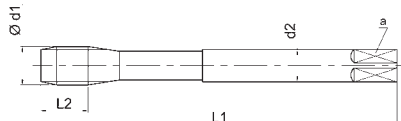
CODICE - CODE	
S80M...TXC	S80M...FOR-TXC
○	○
○	○
○	○

A richiesta:
On request:

Con Weldon DIN1835 B

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	35	35	★ Solo a richiesta ★ Only on request
---------------------------------------------------------------------------	------------------------------------	----	----	-----------------------------------------

MASCHI A MACCHINA MACHINE TAPS

DIN
371DIN
371DIN
376

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Acciai legati trattati
Alloyed steel - tempered steel
Fusioni d'acciaio
Steel castingsNumero gruppi materiali
Material's groups number

TOP



R25°

TOP



R25°

TOP



R25°

2,5xD

2,5xD

3xD

PM3

PM3

PM3

6HX

6HX

6HX

BR

TiCN

TiCN

1.4 1.5

1.4 1.5

1.4 1.5

3.3 3.4

3.3 3.4

3.3 3.4

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
	8	1,25	90	18	8	6,2	3	6,8
	10	1,5	100	20	10	8	3	8,5

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	4	10,3
	14	2	110	28	11	9	4	12
	16	2	110	28	12	9	4	14

K28M...	CODICE - CODE	
	K28M...CT	K28M...FOR-CT
○	○	-
○	○	-
○	○	○
○	○	○
○	○	○

K29M...	CODICE - CODE	
	K29M...CT	K29M...FOR-CT
○	○	○
○	○	○
○	○	○

Confezione / Box:
M3 - M10: 10 pezzi / pcs
M12 - M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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36

● Standard
● Standard○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list★ Solo a richiesta
★ Only on request

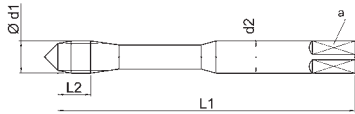
HR

ALTA RESISTENZA

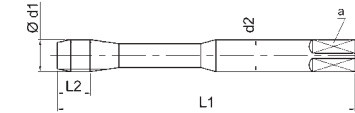
High Resistance

MASCHI A MACCHINA MACHINE TAPS

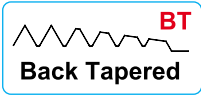
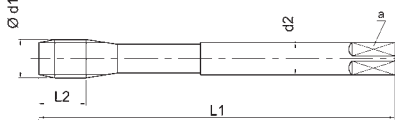
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2,5xD	2,5xD	3xD
PM3	PM3	PM3
6HX	6HX	6HX
BR	TXC	TXC
1.4 1.5	1.4 1.5	1.4 1.5
3.3 3.4	3.3 3.4	3.3 3.4

DIN 371	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

K80M...HR	CODICE - CODE	
	K80M...TXC	K80M...FOR-TXC
*	o	-
*	o	-
*	o	-
*	o	o
*	o	o
*	o	o

DIN 376	Ød1 M	P mm	L ₁	L ₂ 10xP	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	4	10,3
	14	2	110	20	11	9	4	12
	16	2	110	20	12	9	4	14

K81M...HR	CODICE - CODE	
	K81M...TXC	K81M...FOR-TXC
*	o	o
*	o	o
*	o	o

Novità / New
Rivestimento / Coating

TXC

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	36	36	36
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

M

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

Rosca ISO métrica regular DIN 13 – Machos de rosca a máquina



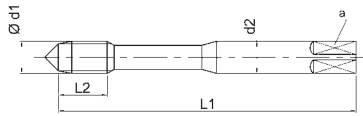
INOX

ACCIAIO INOSSIDABILE

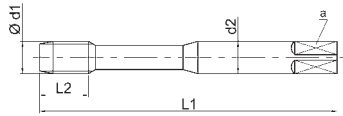
Stainless steel

MASCHI A MACCHINA MACHINE TAPS

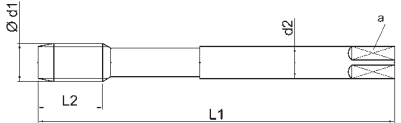
DIN 371



DIN 371



DIN 376



60°
RH
C
2-3
Rm
N/mm² 1000
INOX Tapered = IT



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2,5xD	3,5xD
HSSE	HSSV3
6HX	6HX
V	TXC
2.1 2.2 2.3	1.3 1.4 1.5
	2.1 2.2 2.3 2.4

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODICE - CODE	
E80M...X-V	V82M...TXC
○	●
○	●
○	●
○	●
○	●
○	●

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	4	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5
	22	2,5	140	25	18	14,5	4	19,5
	24	3	160	30	18	14,5	4	21

CODICE - CODE	
E81M...X-V	V83M...TXC
○	●
○	●
○	●
○	○ new
○	○ new
○	○ new
○	○ new

Sul tipo E80M...X-V si consiglia la filettatura rigida
On type E80M...X-V we recommend Syncro rigid threading:

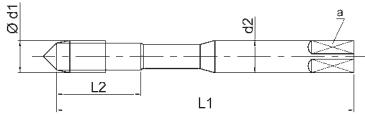
INOX

ACCIAIO INOSSIDABILE

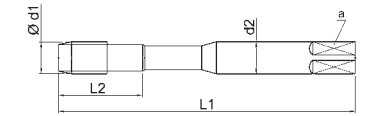
Stainless steel

MASCHI A MACCHINA MACHINE TAPS

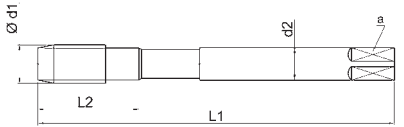
DIN 371



DIN 371



DIN 376



60° P_v

RH

C 2-3

Rm N_{min} 1200

INOX Tapered = IT

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

3,5xD

PM3

6HX

TXC

1.3 1.4 1.5

2.1 2.2 2.3 2.4

Numero gruppi materiali
Material's groups number

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
	8	1,25	90	18	8	6,2	3	6,8
	10	1,5	100	20	10	8	3	8,5

CODICE - CODE	
K82M...X-TXC	K82M...XFOR-TXC
○	-
○	-
○	-
○	○
○	○
○	○

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	4	14

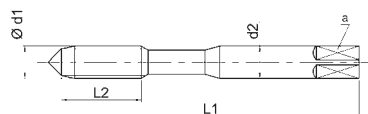
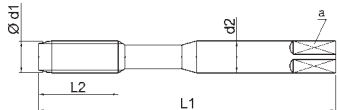
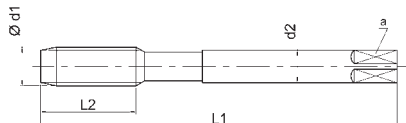
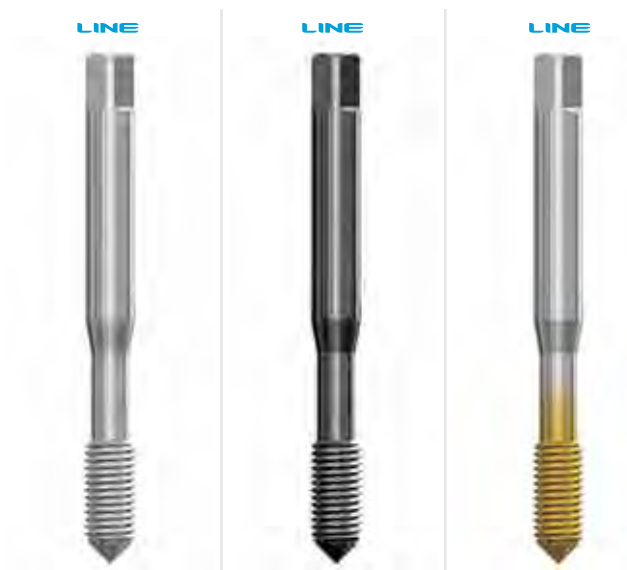
CODICE - CODE	
K83M...X-TXC	K83M...XFOR-TXC
○	○
○	○
○	○

Consigliato per filettatura rigida
We recommend Syncro rigid threading



ROLL FORM TAPS



MASCHI A MACCHINA MACHINE TAPS**DIN 371****DIN 371****DIN 376**Profondità di filettatura - *Thread depth*Materiale - *Material*Tolleranza - *Tolerance*Trattamento superficiale - *Surface treatment*
 Numero gruppi materiali
Material's groups number


3xD

3xD

3xD

HSSP

HSSP

HSSP

6HX

6HX

6HX

BR

V

TiN

1.1 1.2 1.3

1.1 1.2

1.1 1.2 1.3 1.4

4.1 4.2

4.1 4.2

2.1 2.2 2.3

5.1 5.2

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
2	0,4	45	9	2,8	2,1	-	1,82	
2,5	0,45	50	9	2,8	2,1	-	2,30	
3	0,5	56	10	3,5	2,7	-	2,80	
3,5	0,6	56	11	4	3	-	3,25	
4	0,7	63	13	4,5	3,4	-	3,70	
5	0,8	70	13	6	4,9	-	4,65	
6	1	80	16	6	4,9	-	5,55	
8	1,25	90	18	8	6,2	-	7,40	
10	1,5	100	20	10	8	-	9,30	
8	1,25	90	18	8	6,2	-	7,40	
10	1,5	100	20	10	8	-	9,30	

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1,75	110	25	9	7	-	11,20	
14	2	110	28	11	9	-	13,10	
16	2	110	28	12	9	-	15,10	

CODICE - CODE		
P2SCM...	P2SCM...V	P2SCM...T
●	○	●
★	★	★
●	○	●
★	★	★
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
P2SCM...SP	P2SCM...SP-V	P2SCM...SP-T
★	★	★
★	★	★

CODICE - CODE		
P2SCM...	P2SCM...V	P2SCM...T
○	○	○
○	○	○
○	○	○

 Confezione / Box:
 M3 - M10: 10 pezzi / pcs
 M12 - M16: 5 pezzi / pcs

€ Pagina listino - Price list page

37**38****38**
 ● Standard
 ● Standard

 ○ Disponibilità da richiedere, prezzo a listino
 ○ Lead time on enquiry, standard price-list

 ★ Solo a richiesta
 ★ Only on request

M

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 – Maschinengewindebohrer

Filetage métrique ISO DIN 13 – Tarauds machine

Rosca ISO métrica regular DIN 13 – Machos de rosca a máquina



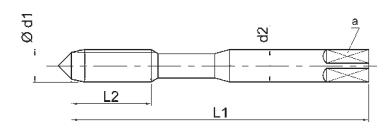
P - SERIES

MASCHI A RULLARE

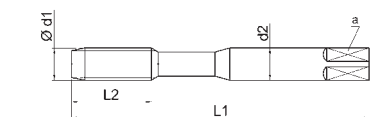
Roll form taps

MASCHI A MACCHINA MACHINE TAPS

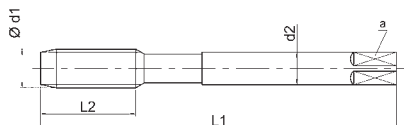
DIN 371



DIN 371



DIN 376



LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

3xD	3xD	3xD
HSSP	HSSP	HSSP
6HX	6HX	6HX
BR	V	TiN
1.1 1.2 1.3	1.1 1.2	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	2.1 2.2 2.3
	5.1 5.2	4.1 4.2 4.3
		5.1 5.2

Numero gruppi materiali
Material's groups number

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	56	10	3,5	2,7	2	2,80	
3,5	0,6	56	11	4	3	2	3,25	
4	0,7	63	13	4,5	3,4	4	3,70	
5	0,8	70	13	6	4,9	5	4,65	
6	1	80	16	6	4,9	5	5,55	
8	1,25	90	18	8	6,2	5	7,40	
10	1,5	100	20	10	8	5	9,30	
8	1,25	90	18	8	6,2	5	7,40	
10	1,5	100	20	10	8	5	9,30	

CODICE - CODE		
P2CCM... ●	P2CCM...V ○	P2CCM...T ●
●	○	●
★	★	★
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●
●	○	●

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1,75	110	25	9	7	5	11,20	
14	2	110	28	11	9	6	13,10	
16	2	110	28	12	9	6	15,10	

CODICE - CODE		
P2CCM... ○	P2CCM...V ○	P2CCM...T ○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○

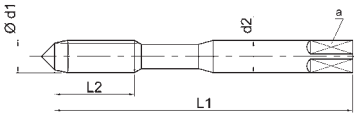
P - SERIES

MASCHI A RULLARE

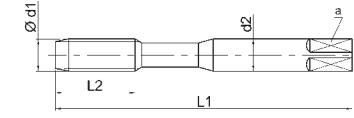
Roll form taps

MASCHI A MACCHINA MACHINE TAPS

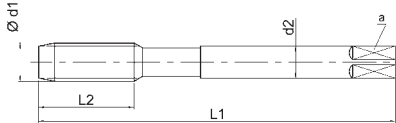
DIN 371



DIN 371



DIN 376



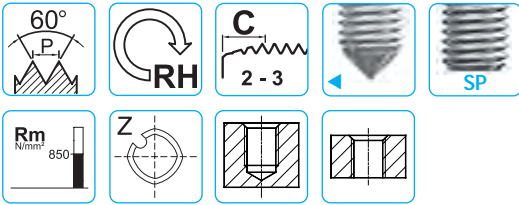
LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

HSSP

6GX

BR

1.1 1.2 1.3

4.1 4.2

3xD

HSSP

6GX

V

1.1 1.2

4.1 4.2

5.1 5.2

3xD

HSSP

6GX

TiN

1.1 1.2 1.3 1.4

2.1 2.2 2.3

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	2	2,80
◀	3,5	0,6	56	11	4	3	2	3,25
◀	4	0,7	63	13	4,5	3,4	4	3,70
◀	5	0,8	70	13	6	4,9	5	4,65
◀	6	1	80	16	6	4,9	5	5,55
◀	8	1,25	90	18	8	6,2	5	7,40
◀	10	1,5	100	20	10	8	5	9,30
	8	1,25	90	18	8	6,2	5	7,40
	10	1,5	100	20	10	8	5	9,30

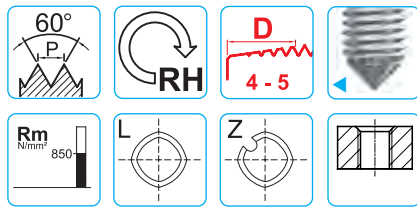
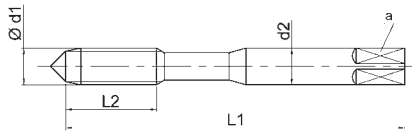
CODICE - CODE		
P3CCM...	P3CCM...V	P3CCM...T
○	○	○
*	*	*
○	○	○
○	○	○
○	○	○
○	○	○
P3CCM...SP	P3CCM...SP-V	P3CCM...SP-T
*	*	*
*	*	*

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	5	11,20
	14	2	110	28	11	9	6	13,10
	16	2	110	28	12	9	6	15,10

CODICE - CODE		
P3CCM...	P3CCM...V	P3CCM...T
○	○	○
○	○	○
○	○	○

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page ● Standard ● Standard	39 ○ Disponibilità da richiedere, prezzo a listino ○ Lead time on enquiry, standard price-list	39 ★ Solo a richiesta ★ Only on request	39
---------------------------------------------------------------------------	----------------------------------------------------------------	------------------------------------------------------------------------------------------------------	-----------------------------------------------	----

DIN 371



Profondità di filettatura - Thread depth	3xD	3xD	3xD	3xD
Materiale - Material	HSSP	HSSP	HSSP	HSSP
Tolleranza - Tolerance	6HX	6HX	6HX	6HX
Trattamento superficiale - Surface treatment	BR	TiN	BR	TiN
Numero gruppi materiali Material's groups number	1.1 1.2 1.3	1.1 1.2 1.3 1.4	1.1 1.2 1.3	1.1 1.2 1.3 1.4
	4.1 4.2	2.1 2.2 2.3	4.1 4.2	2.1 2.2 2.3
		4.1 4.2 4.3		4.1 4.2 4.3
		5.1 5.2		5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	56	10	3,5	2,7	2	2,80	
4	0,7	63	13	4,5	3,4	4	3,70	
5	0,8	70	13	6	4,9	5	4,65	
6	1	80	16	6	4,9	5	5,55	
8	1,25	90	18	8	6,2	5	7,40	
10	1,5	100	20	10	8	5	9,30	

CODICE - CODE			
P2SCM...FP	P2SCM...FP-T	P2CCM...FP	P2CCM...FP-T
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	39	40	40	40
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request	

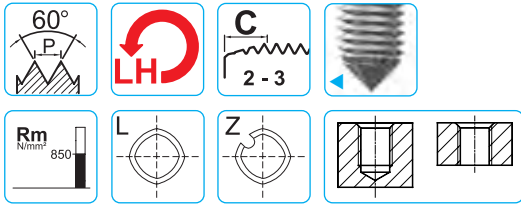
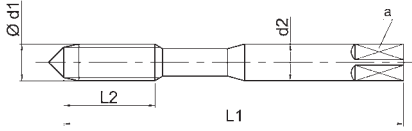
P - SERIES

MASCHI A RULLARE

Roll form taps

MASCHI A MACCHINA, FILETTATURA SINISTRA MACHINE TAPS

DIN 371



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

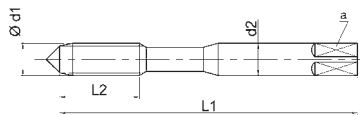
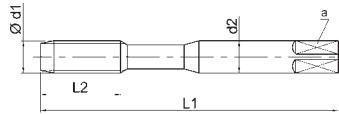
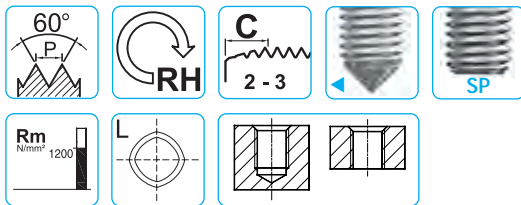
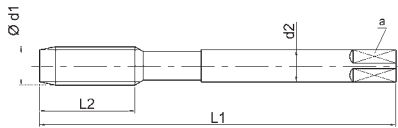
Numero gruppi materiali
Material's groups number

3xD	3xD	3xD	3xD
HSSP	HSSP	HSSP	HSSP
6HX	6HX	6HX	6HX
BR	TiN	BR	TiN
1.1 1.2 1.3	1.1 1.2 1.3 1.4	1.1 1.2 1.3	1.1 1.2 1.3 1.4
4.1 4.2	2.1 2.2 2.3	4.1 4.2	2.1 2.2 2.3
	4.1 4.2 4.3		4.1 4.2 4.3
	5.1 5.2		5.1 5.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	56	10	3,5	2,7	2	2,80	
4	0,7	63	13	4,5	3,4	4	3,70	
5	0,8	70	13	6	4,9	5	4,65	
6	1	80	16	6	4,9	5	5,55	
8	1,25	90	18	8	6,2	5	7,40	
10	1,5	100	20	10	8	5	9,30	

P2SCM...LH	CODICE - CODE			P2CCM...LH-T
	P2SCM...LH-T	P2CCM...LH	P2CCM...LH-T	
*	*	*	*	
*	*	*	*	
*	*	*	*	
*	*	*	*	
*	*	*	*	
*	*	*	*	

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	€ Pagina listino - Price list page	40	40	40	40
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

DIN 371

DIN 371

DIN 376


Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

 Numero gruppi materiali
 Material's groups number

TOP

TOP

TOP

TOP


3xD	3xD	3xD	3xD
PM3	PM3	PM3	PM3
6HX	6HX	6HX	6GX
CrN	TiN-G	TiCN	TiN-G
1.1 1.2	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2 4.3	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4
5.1 5.2	4.1 4.2 4.3	4.1 4.2 4.3	4.1 4.2 4.3
6.1	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	-	2,80
◀	4	0,7	63	13	4,5	3,4	-	3,70
◀	5	0,8	70	13	6	4,9	-	4,65
◀	6	1	80	16	6	4,9	-	5,55
◀	8	1,25	90	18	8	6,2	-	7,40
◀	10	1,5	100	20	10	8	-	9,30
	8	1,25	90	18	8	6,2	-	7,40
	10	1,5	100	20	10	8	-	9,30

CODICE - CODE			
X2SCM...NC	X2SCM...TG	X2SCM...CT	X3SCM...TG
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
X2SCM ...SP-NC	X2SCM ...SP-TG	X2SCM ...SP-CT	X3SCM...SP-TG
*	*	*	*
*	*	*	*

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	-	11,20
	14	2	110	28	11	9	-	13,10
	16	2	110	28	12	9	-	15,10

CODICE - CODE			
X2SCM...NC	X2SCM...TG	X2SCM...CT	X3SCM...TG
○	○	○	○
○	○	○	○
○	○	○	○

Novità / New
CrN

Per materiali morbidi e pastosi tipo Al-Cu-Fe

For soft materials Al-Cu-Fe

 Confezione / Box:
 M3 – M10: 10 pezzi / pcs
 M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

40
40
41
41

 ● Standard
 ● Standard

 ○ Disponibilità da richiedere, prezzo a listino
 ○ Lead time on enquiry, standard price-list

 ★ Solo a richiesta
 ★ Only on request

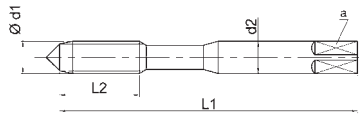
X - SERIES

MASCHI A RULLARE

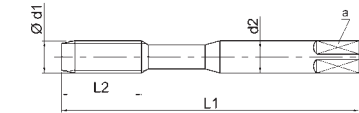
Roll form taps

MASCHI A MACCHINA MACHINE TAPS

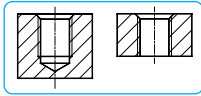
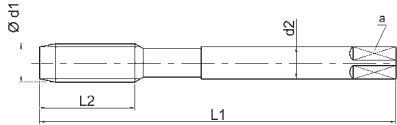
DIN 371



DIN 371



DIN 376



TOP



TOP



TOP



TOP



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD	3xD	3xD	3xD
PM3	PM3	PM3	PM3
6HX	6HX	6HX	6GX
CrN	TiN-G	TiCN	TiN-G
1.1 1.2	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2 4.3	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4
5.1 5.2	4.1 4.2 4.3	4.1 4.2 4.3	4.1 4.2 4.3
6.1	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	2	2,80
◀	4	0,7	63	13	4,5	3,4	4	3,70
◀	5	0,8	70	13	6	4,9	5	4,65
◀	6	1	80	16	6	4,9	5	5,55
◀	8	1,25	90	18	8	6,2	5	7,40
◀	10	1,5	100	20	10	8	5	9,30
	8	1,25	90	18	8	6,2	5	7,40
	10	1,5	100	20	10	8	5	9,30

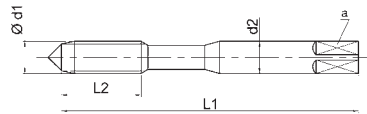
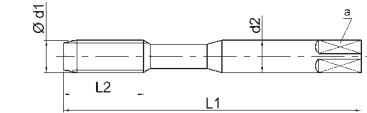
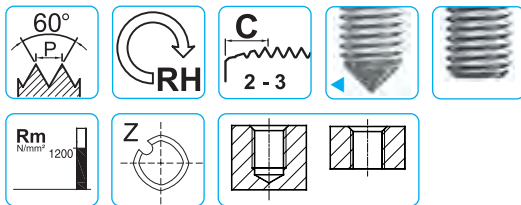
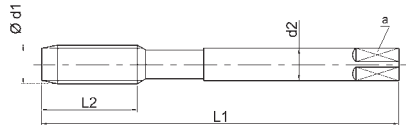
CODICE - CODE			
X2CCM...NC	X2CCM...TG	X2CCM...CT	X3CCM...TG
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
X2CCM ...SP-NC	X2CCM ...SP-TG	X2CCM ...SP-CT	X3CCM...SP-TG
*	*	*	*
*	*	*	*

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	-	11,20
	14	2	110	28	11	9	-	13,10
	16	2	110	28	12	9	-	15,10

CODICE - CODE			
X2CCM...NC	X2CCM...TG	X2CCM...CT	X3CCM...TG
○	○	○	○
○	○	○	○
○	○	○	○

Novità / New
CrN
Per materiali morbidi e pastosi tipo Al-Cu-Fe
For soft materials Al-Cu-Fe

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	41	41	41	41
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

DIN 371

DIN 371

DIN 376


Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

 Numero gruppi materiali
 Material's groups number

TOP

3xD
PM3
6HX
TXC

1.1 1.2

4.1 4.2 4.3

5.1 5.2

TOP

3xD
PM3
6HX
TiN-G

1.1 1.2 1.3 1.4 1.5

2.1 2.2 2.3 2.4

4.1 4.2 4.3

5.1 5.2 7.1 7.2

TOP

3xD
PM3
6HX
TiN-G

1.1 1.2 1.3 1.4 1.5

2.1 2.2 2.3 2.4

4.1 4.2 4.3

5.1 5.2 7.1 7.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	2	2,80
◀	4	0,7	63	13	4,5	3,4	4	3,70
◀	5	0,8	70	13	6	4,9	5	4,65
◀	6	1	80	16	6	4,9	5	5,55
◀	8	1,25	90	18	8	6,2	5	7,40
◀	10	1,5	100	20	10	8	5	9,30
◀	6	1	80	16	6	4,9	5	5,55
	8	1,25	90	18	8	6,2	5	7,40
	10	1,5	100	20	10	8	5	9,30
◀	6	1	80	16	6	4,9	2	5,55
◀	8	1,25	90	18	8	6,2	2	7,40
◀	10	1,5	100	20	10	8	2	9,30

DIN 376	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,75	110	25	9	7	5	11,20
	14	2	110	28	11	9	6	13,10
	16	2	110	28	12	9	6	15,10
	12	1,75	110	25	9	7	3	11,20
	14	2	110	28	11	9	3	13,10
	16	2	110	28	12	9	3	15,10

CODICE - CODE

X2CCM...TXC

◊

◊

◊

◊

◊

X2CCM...FOR-TG

-

-

-

X2CCM...FORY-TG

-

-

-

 * 4L/Z2
 * 4L/Z2
 * 4L/Z2

CODICE - CODE

X2CCM...TXC

X2CCM...FOR-TG

◊

◊

◊

X2CCM...FORY-TG

-

-

-

 * 6L/Z3
 * 6L/Z3
 * 6L/Z3

N° lobi / Lobes' Number

N° canali / Oil grooves' Number


 Confezione / Box:
 M3 – M10: 10 pezzi / pcs
 M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

42

42

42

 ● Standard
 ● Standard

 ◊ Disponibilità da richiedere, prezzo a listino
 ◊ Lead time on enquiry, standard price-list

 ★ Solo a richiesta
 ★ Only on request

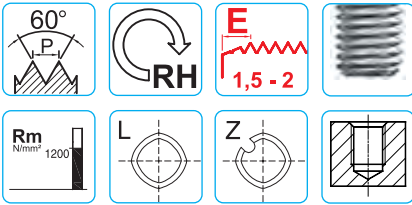
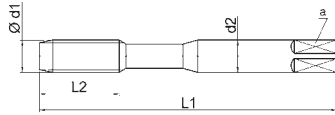
X - SERIES

MASCHI A RULLARE

Roll form taps

MASCHI A MACCHINA MACHINE TAPS

DIN 371



- Profondità di filettatura - Thread depth
- Materiale - Material
- Tolleranza - Tolerance
- Trattamento superficiale - Surface treatment
- Numero gruppi materiali - Material's groups number



3xD	3xD	3xD
PM3	PM3	PM3
6HX	6HX	6HX
TiN-G	TiN-G	TiN-G
1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4
4.1 4.2 4.3	4.1 4.2 4.3	4.1 4.2 4.3
5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	6	1	80	16	6	4,9	5	5,55
	8	1,25	90	18	8	6,2	5	7,40
	10	1,5	100	20	10	8	5	9,30

X2CEM...TG	CODICE - CODE	
	X2CCEM...TG	X2CCEM...FOR-TG
○	○	★
○	○	★
○	○	★



Serie X2 ed X3 a rullare: processo speciale di preparazione al trattamento TIN: la resa aumenta più del 100%!

Series X2 and X3 for rolling: special process for preparation to TIN treatment: an increase in efficiency of over 100%!

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	42	42	42
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

Filettatura metrica ISO passo grosso DIN 13

ISO Metric coarse thread DIN 13

Metrisches ISO-Regelgewinde DIN 13 - Maschinengewindebohrer

Filetage métrique ISO DIN 13 - Tarauds machine

Rosca ISO métrica regular DIN 13 - Machos de rosca a máquina

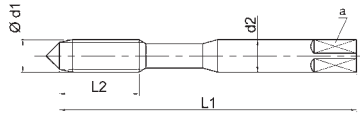
MASCHI A MACCHINA MACHINE TAPS

MDI-HM

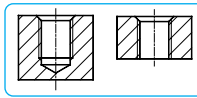
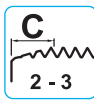
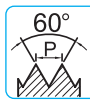
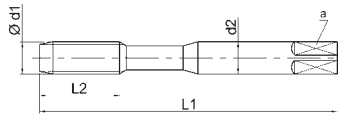
METALLO DURO INTEGRALE - MASCHI A RULLARE

Hard metal - Roll form taps

DIN 371



DIN 371



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

TOP



3xD

MDI/HM

6HX

TiN

1.1 1.2 1.3 1.4 1.5

2.1 2.2 2.3 2.4

4.1 4.2 4.3

5.1 5.2 7.1 7.2

TOP



3xD

MDI/HM

6HX

TiCN

1.1 1.2 1.3 1.4 1.5

2.1 2.2 2.3 2.4

4.1 4.2 4.3

5.1 5.2 7.1 7.2

DIN 371	Ød1 M	P mm	L ₁	L ₂	d ₂ h6	a h12	Z	
5	0,8		70	8,5	6	4,9	-	4,65
6	1		80	11	6	4,9	-	5,55
8	1,25		90	14	8	6,2	-	7,40
10	1,5		100	10	10	8	-	9,30

CODICE - CODE

HM2SCM...FOR-T

HM2CCM...FORY-CT

*

*

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Confezione / Box:
M3 - M10: 10 pezzi / pcs
M12 - M16: 5 pezzi / pcs

€ Pagina listino - Price list page

42

42

● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

UNI 5870 - ISO 1502

LINE

Calibri a tampone filettati passa / non passa

Thread plug gauges go/no-go



Tolleranza - Tolerance

6H

Trattamento superficiale - Surface treatment

BR

Ød1 M	P mm	CODICE - CODE P-NPM...
2	0,4	○
2,2	0,45	○
2,5	0,45	○
3	0,5	○
3,5	0,6	○
4	0,7	○
4,5	0,75	○
5	0,8	○
6	1	○
7	1	○
8	1,25	○
9	1,25	○
10	1,5	○
11	1,5	○
12	1,75	○
14	2	○
16	2	○
18	2,5	○
20	2,5	○
22	2,5	○
24	3	○
27	3	○
30	3,5	○
33	3,5	○
36	4	○
39	4	○
42	4,5	○
45	4,5	○
48	5	○

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

108

- Standard
- Standard

- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request





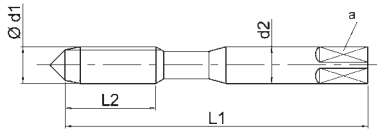
Standard e speciale: sulle esigenze del cliente
Standard and tailor-made special as customer requests

FLEXIBILITY

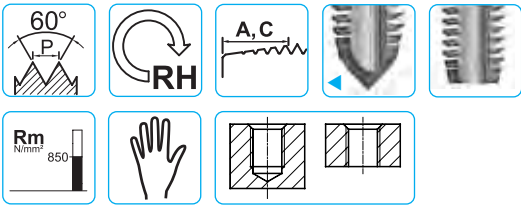
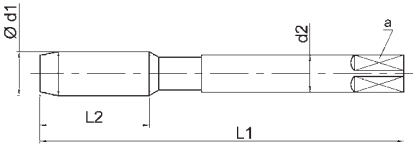


MASCHI A MANO HAND TAPS

DIN 2181



DIN 2181



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE	LINE	LINE
A 5-6	C 2-3	C 2-3
2xD	2xD	2xD
HSS	HSS	HSS
-	ISO2/6H	ISO2/6H
BR	BR	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

DIN 2181	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	4	0,5	45	11	4,5	3,4	3	3,5
	4,5	0,5	50	13	6	4,9	3	4
	5	0,5	50	13	6	4,9	3	4,5
	6	0,75	56	15	6	4,9	3	5,25
	7	0,75	56	16	6	4,9	3	6,25
	8	0,75	63	19	6	4,9	3	7,25
	8	1	63	19	6	4,9	3	7
	9	1	63	19	7	5,5	3	8
	10	0,75	63	20	7	5,5	3	9,25
	10	1	63	20	7	5,5	3	9
	10	1,25	70	22	7	5,5	3	8,75
	11	1	63	20	8	6,2	3	10
	12	1	70	22	9	7	4	11
	12	1,25	70	22	9	7	4	10,75
	12	1,5	70	22	9	7	4	10,5
	14	1	70	22	11	9	4	13
	14	1,25	70	22	11	9	4	12,75
	14	1,5	70	22	11	9	4	12,5
	15	1	80	22	12	9	4	14
	15	1,5	80	22	12	9	4	13,5
	16	1	70	22	12	9	4	15
	16	1,25	70	22	12	9	4	14,75
	16	1,5	70	22	12	9	4	14,5
	18	1	80	22	14	11	4	17
	18	1,5	80	22	14	11	4	16,5
	18	2	80	22	14	11	4	16

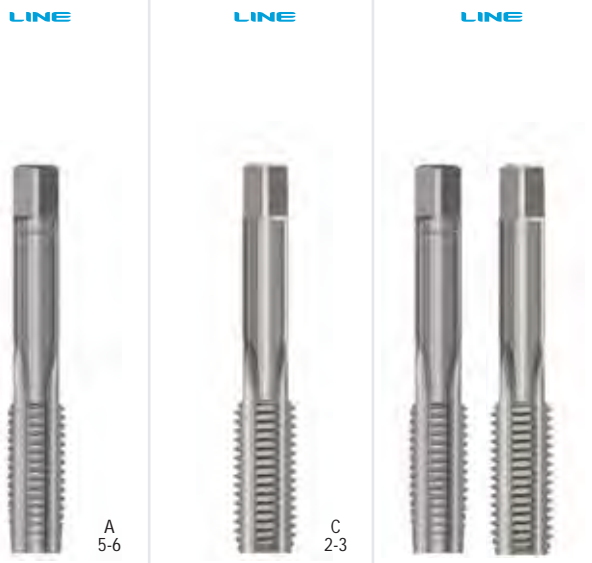
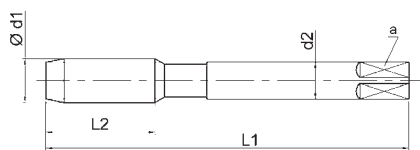
CODICE - CODE			
01MF...	03MF...	00MF...	
*	○	○	
*	○	○	
*	○	○	
*	○	●	
*	○	○	
*	○	●	
*	○	○	
*	○	○	
*	○	●	
*	○	○	
*	○	○	
*	○	●	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
*	○	○	
○	○	○	
Segue diametri Diameters, to be continued			

N

USO GENERALE
General purpose

MASCHI A MANO HAND TAPS

DIN 2181



60° P_r RH A, C
R_m N_{immf} 850
[Hand icon] [Cross-section icons]

Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment

2xD	2xD	2xD
HSS	HSS	HSS
-	ISO2/6H	ISO2/6H
BR	BR	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

Numero gruppi materiali
Material's groups number

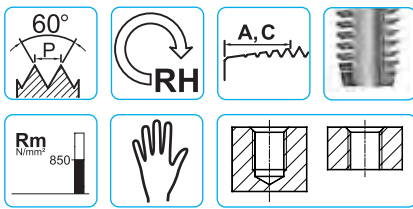
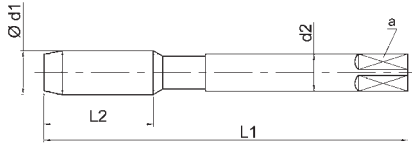
DIN 2181	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	20	1	80	22	16	12	4	19
	20	1,5	80	22	16	12	4	18,5
	20	2	80	22	16	12	4	18
	22	1	80	22	18	14,5	4	21
	22	1,5	80	22	18	14,5	4	20,5
	22	2	80	22	18	14,5	4	20
	24	1	90	22	18	14,5	4	23
	24	1,5	90	22	18	14,5	4	22,5
	24	2	90	22	18	14,5	4	22
	25	1,5	90	22	18	14,5	4	23,5
	25	2	90	22	18	14,5	4	23
	26	1,5	90	22	18	14,5	4	24,5
	26	2	90	22	18	14,5	4	24
	27	1,5	90	22	20	16	4	25,5
	27	2	90	22	20	16	4	25
	28	1,5	90	22	20	16	4	26,5
	28	2	90	22	20	16	4	26
	30	1,5	90	22	22	18	4	28,5
	30	2	90	22	22	18	4	28
	32	1,5	90	22	22	18	5	30,5
	32	2	90	22	22	18	5	30
	33	2	100	25	25	20	5	31
	35	1,5	100	25	28	22	5	33,5
	35	2	125	30	28	22	5	33
	36	1,5	100	25	28	22	5	34,5
	36	2	125	36	28	22	4	34
	36	3	125	36	28	22	4	33

01MF...	03MF...	00MF...	CODICE - CODE		
*	○	○			
*	○	●			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			
*	○	○			

Segue diametri
Diameters, to be continued Pag. 84

MASCHI A MANO HAND TAPS

DIN 2181



LINE

LINE

LINE



A
5-6



C
2-3



Profondità di filettatura - Thread depth

2xD

2xD

2xD

Materiale - Material

HSS

HSS

HSS

Tolleranza - Tolerance

-

ISO2/6H

ISO2/6H

Trattamento superficiale - Surface treatment

BR

BR

BR

Numero gruppi materiali
Material's groups number

1.1	1.2	1.3	1.4
2.1	2.2	2.3	3.1 3.4
4.1	4.2	4.3	4.4
5.1	5.2	5.3	

1.1	1.2	1.3	1.4
2.1	2.2	2.3	3.1 3.4
4.1	4.2	4.3	4.4
5.1	5.2	5.3	

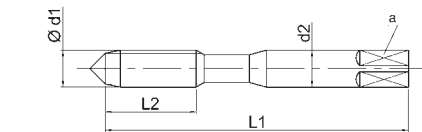
1.1	1.2	1.3	1.4
2.1	2.2	2.3	3.1 3.4
4.1	4.2	4.3	4.4
5.1	5.2	5.3	

DIN 2181	Ød1 MF	P mm	L1	L2	d2 h9	a h12	Z	
	38	1,5	100	25	28	22	6	36,5
	39	1,5	110	25	32	24	6	37,5
	39	2	125	36	32	24	4	37
	39	3	125	36	32	24	4	36
	40	1,5	110	25	32	24	6	38,5
	40	2	125	36	32	24	5	38
	40	3	125	36	32	24	5	37
	42	1,5	110	25	32	24	6	40,5
	42	2	125	36	32	24	5	40
	42	3	125	36	32	24	5	39
	45	1,5	110	25	36	29	6	43,5
	45	2	125	36	36	29	5	43
	45	3	125	36	36	29	5	42
	48	1,5	140	36	36	29	6	46,5
	48	2	140	36	36	29	6	46
	48	3	140	36	36	29	6	45
	50	1,5	140	36	36	29	6	48,5
	50	2	140	36	36	29	6	48
	50	3	140	36	36	29	6	47
	52	1,5	140	36	40	32	6	50,5
	52	2	140	36	40	32	6	50
	52	3	140	36	40	32	6	49

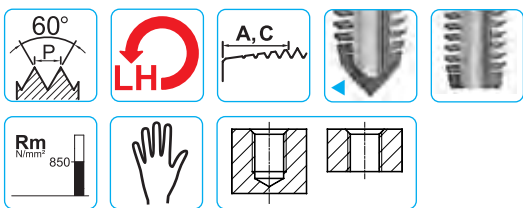
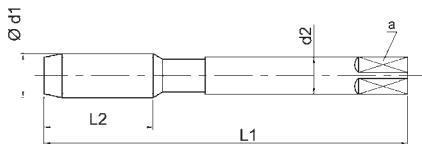
CODICE - CODE		
01MF...	03MF...	00MF...
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o
*	o	o

N USO GENERALE *General purpose* **MASCHI A MANO, FILETTATURA SINISTRA LEFT HAND TAPS**

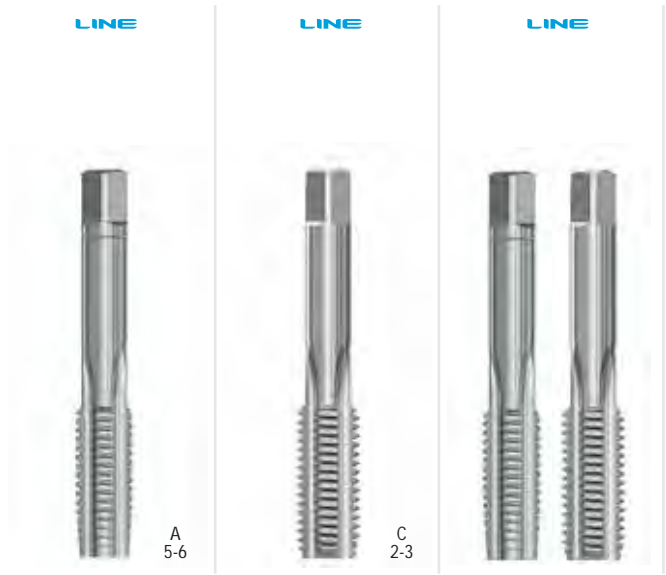
DIN 2181



DIN 2181



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

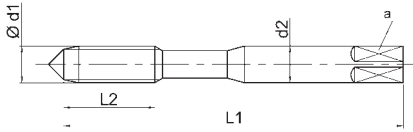


2xD	2xD	2xD
HSS	HSS	HSS
-	ISO2/6H	ISO2/6H
BR	BR	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

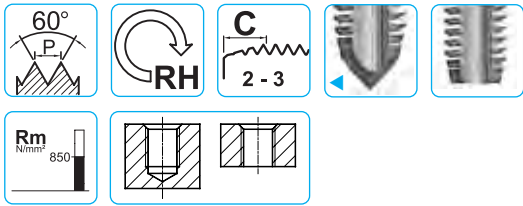
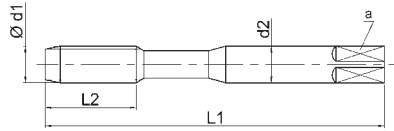
DIN 2181	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z		CODICE - CODE		
									01MF...LH	03MF...LH	00MF...LH
◀ 4	0,5	45	11	4,5	3,4	3	3,5	*	○	○	
◀ 5	0,5	50	13	6	4,9	3	4,5	*	○	○	
◀ 6	0,75	56	15	6	4,9	3	5,25	*	○	○	
8	1	63	19	6	4,9	3	7	*	○	●	
10	1,25	70	22	7	5,5	3	8,75	*	○	●	
10	1	63	20	7	5,5	3	9	*	○	●	
11	1	63	20	8	6,2	3	10	*	○	○	
12	1,5	70	22	9	7	4	10,5	*	○	●	
12	1,25	70	22	9	7	4	10,75	*	○	○	
12	1	70	22	9	7	4	11	*	○	○	
14	1,5	70	22	11	9	4	12,5	*	○	●	
16	1,5	70	22	12	9	4	14,5	*	○	●	
18	1,5	80	22	14	11	4	16,5	*	○	○	
20	1,5	80	22	16	12	4	18,5	*	○	●	

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 371



Profondità di filettatura - Thread depth

1,5xD

1,5xD

Materiale - Material

HSSE

HSSE

Tolleranza - Tolerance

ISO2/6H

ISO2/6H

Trattamento superficiale - Surface treatment

BR

TiN

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

8.2

8.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	13	4,5	3,4	3	3,5
◀	5	0,5	70	13	6	4,9	3	4,5
◀	6	0,5	80	16	6	4,9	3	5,5
◀	6	0,75	80	16	6	4,9	3	5,25
◀	7	0,75	80	16	7	5,5	3	6,25
◀	8	0,5	90	18	8	6,2	3	7,5
◀	8	0,75	90	18	8	6,2	3	7,25
◀	8	1	90	18	8	6,2	3	7
	9	0,5	90	18	9	7	3	8,5
	9	0,75	90	18	9	7	3	8,25
	9	1	90	18	9	7	3	8
◀	10	0,5	90	15	10	8	3	9,5
◀	10	0,75	90	15	10	8	3	9,25
◀	10	1	90	15	10	8	3	9
◀	10	1,25	100	20	10	8	3	8,75

CODICE - CODE	
E20MF...	E20MF...T
○	*
○	*
○	*
●	○
○	*
○	*
○	*
●	○
*	*
*	*
○	*
○	*
○	*
●	○
●	○

Segue diametri
Diameters, to be continued

▶ Pag. 87...92

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

45

45

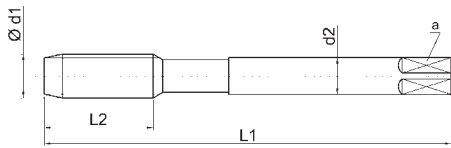
● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

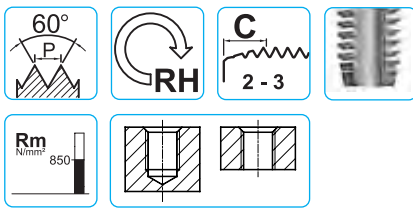
★ Solo a richiesta
★ Only on request

MASCHI A MACCHINA MACHINE TAPS

DIN 374



LINE



Profondità di filettatura - Thread depth

1,5xD

Materiale - Material

HSSE

Tolleranza - Tolerance

ISO2/6H

Trattamento superficiale - Surface treatment

BR

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

8.2

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	36	1	170	30	28	22	5	35
	36	1,25	170	30	28	22	5	34,75
	36	1,5	170	30	28	22	5	34,5
	36	2	170	30	28	22	5	34
	36	3	200	50	28	22	4	33
	37	1	170	30	28	22	6	36
	37	1,5	170	30	28	22	6	35,5
	38	1	170	30	28	22	6	37
	38	1,5	170	30	28	22	6	36,5
	38	2	170	30	28	22	6	36
	38	3	200	50	28	22	4	35
	39	1	170	30	32	24	6	38
	39	1,5	170	30	32	24	6	37,5
	39	2	170	30	32	24	6	37
	39	3	200	50	32	24	4	36
	40	1	170	30	32	24	6	39
	40	1,5	170	30	32	24	6	38,5
	40	2	170	30	32	24	6	38
	40	3	200	50	32	24	5	37
	42	1	170	30	32	24	6	41
	42	1,5	170	30	32	24	6	40,5
	42	2	170	30	32	24	6	40
	42	3	200	55	32	24	5	39
■	45	1	180	32	36	29	6	44
■	45	1,5	180	32	36	29	6	43,5
■	45	2	180	32	36	29	6	43
■	45	3	200	50	36	29	5	42

■ = Acciaio HSS / HSS Steel

CODICE - CODE

E21MF...

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Segue diametri
Diameters, to be continued

Pag. 91...92

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

45

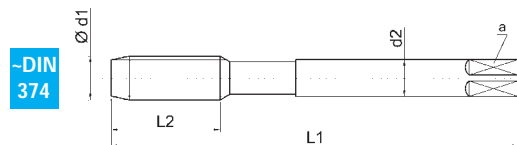
● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

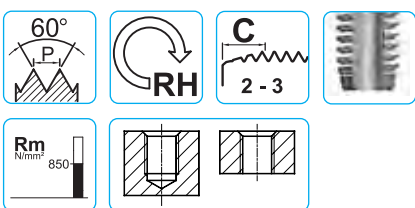
★ Solo a richiesta
★ Only on request

N **USO GENERALE**
 General purpose

MASCHI A MACCHINA MACHINE TAPS



LINE



Profondità di filettatura - Thread depth	1,5xD
Materiale - Material	HSSE
Tolleranza - Tolerance	ISO2/6H
Trattamento superficiale - Surface treatment	BR
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4 3.4
	4.2 4.3 5.2 5.3
	8.2

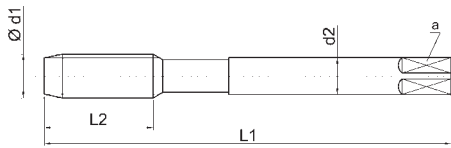
-DIN 374	ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z		CODICE - CODE				
	48	1	190	32	36	29	6	47	E21MF...				
	48	1,5	190	32	36	29	6	46,5					
	48	2	190	32	36	29	6	46					
	* 48	3	220	65	36	29	6	45					
	49	1,5	190	32	36	29	6	47,5					
	49	3	220	65	36	29	6	46					
	50	1	190	32	36	29	6	49					
	50	1,5	190	32	36	29	6	48,5					
	50	2	190	32	36	29	6	48					
	* 50	3	220	65	36	29	6	47					
	52	1,5	190	32	40	32	6	50,5					
	52	2	190	32	40	32	6	50					
	* 52	3	220	65	40	32	6	49					
	* 54	1,5	190	32	40	32	6	52,5					
	* 54	2	190	32	40	32	6	52					
	* 55	1,5	190	32	40	32	6	53,5					
	* 55	2	190	32	40	32	6	53					
	* 55	3	220	65	40	32	6	52					
	* 56	1,5	190	32	40	32	6	54,5					
	* 56	2	190	32	40	32	6	54					
	* 56	3	220	65	40	32	6	53					
	* 56	4	220	65	40	32	6	52					
	* 58	1,5	190	32	40	32	6	56,5		*			
	* 58	2	190	32	40	32	6	56		*			
	* 58	3	220	65	40	32	6	55		*			

■ = Acciaio HSS / HSS Steel
 * Dimensioni a norma UFS / Dimensions according UFS' norms

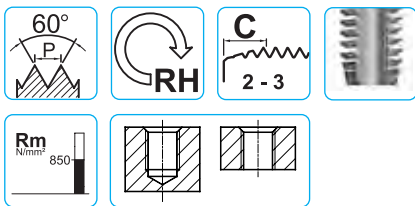
Segue diametri
 Diameters, to be continued ▶ Pag. 92

MASCHI A MACCHINA MACHINE TAPS

UFS norm



LINE



Profondità di filettatura - Thread depth

1,5xD

Materiale - Material

HSSE

Tolleranza - Tolerance

ISO2/6H

Trattamento superficiale - Surface treatment

BR

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

8.2

UFS norm	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
■	* 60	1,5	190	32	45	35	6	58,5
■	* 60	2	190	32	45	35	6	58
■	* 60	3	220	65	45	35	6	57
■	* 60	4	220	65	45	35	6	56
■	* 62	1,5	190	32	50	39	6	60,5
■	* 62	2	190	32	50	39	6	60
■	* 63	1,5	190	32	50	39	6	61,5
■	* 64	1,5	190	32	50	39	6	62,5
■	* 64	2	190	32	50	39	6	62
■	* 64	3	220	65	50	39	6	61
■	* 64	4	220	65	50	39	6	60

CODICE - CODE

E21MF...

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■ = Acciaio HSS / HSS Steel

* Dimensioni a norma UFS / Dimensions to norm UFS

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

46

● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

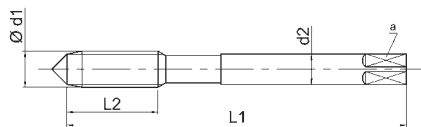
N

USO GENERALE

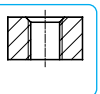
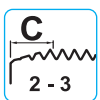
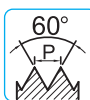
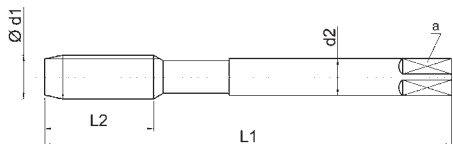
General purpose

MASCHI A MACCHINA, FILETTATURA SINISTRA MACHINE TAPS

DIN 374



DIN 374



1,5xD

1,5xD

HSSE

HSSE

ISO2/6H

ISO2/6H

BR

TiN

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

8.2

8.2

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

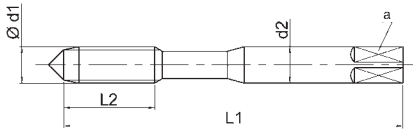
DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	0,75	80	16	4,5	3,4	3	5,25
◀	8	1	90	18	6	4,9	3	7
◀	10	1	90	15	7	5,5	3	9
◀	10	1,25	100	20	7	5,5	3	8,75
	12	1,25	100	22	9	7	3	10,75
	12	1,5	100	22	9	7	3	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5
	18	1,5	110	25	14	11	4	16,5
	20	1,5	125	25	16	12	4	18,5

CODICE - CODE	
E21MF...LH	E21MF...LH-T
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○

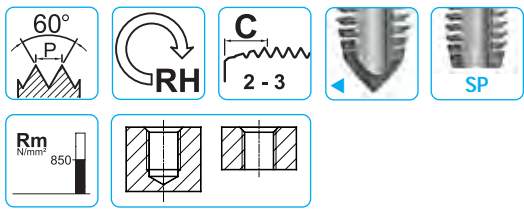
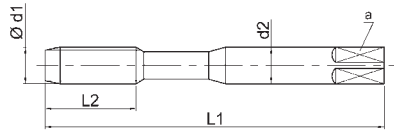
MASCHI A MACCHINA MACHINE TAPS

MF

DIN 371



DIN 371



LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Al Si > 10%,
Ottone / Brass
Bronzo / and Bronze
a truciolo corto / with short chip

Numero gruppi materiali
Material's groups number

3xD	3xD	3,5xD
HSSE	HSSE	HSSE
6HX	6HX	6HX
NQ	NS	TiCN
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3
8.2 10.1	8.2 10.1	8.2 10.1

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	13	4,5	3,4	3	3,5
◀	5	0,5	70	13	6	4,9	3	4,5
◀	6	0,75	80	16	6	4,9	3	5,25
◀	8	1	90	18	8	6,2	4	7
◀	10	1	90	15	10	8	4	9
◀	10	1,25	100	20	10	8	4	8,75
	6	0,75	80	16	6	4,9	3	5,25
	8	1	90	18	8	6,2	4	7
	10	1	90	15	10	8	4	9
	10	1,25	100	20	10	8	4	8,75

CODICE - CODE		
E26MF...NQ	E26MF...NS	E26MF...FOR-CT
-	○	
-	○	
-	○	
○	●	
○	○	
○	●	
E26MF...SP-NQ	E26MF...SP-NS	E26MF...FOR-CT
★	★	★
○	○	○
○	○	○
○	○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

46

46

46

● Standard
● Standard

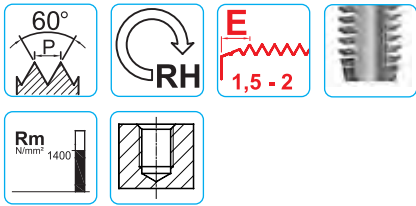
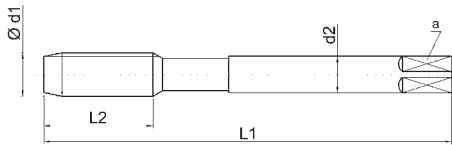
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

GG GHISA
Cast Iron

MASCHI A MACCHINA MACHINE TAPS

DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Al Si > 10%,
Ottone / Brass
Bronzo / and Bronze
a truciolo corto / with short chip

Numero gruppi materiali
Material's groups number



3xD	3,5xD	3,5xD
PM3	PM3	PM3
6HX	6HX	6HX
TiAlN	TiAlN	TiAlN
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.4 5.3	4.4 5.3	4.4 5.3
10.1	10.1	10.1

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	18	6	4,9	4	7
	10	1	90	15	7	5,5	4	9
	10	1,25	100	20	7	5,5	4	8,75
	12	1,25	100	22	9	7	4	10,75
	12	1,5	100	22	9	7	4	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5
new	18	1,5	110	25	14	11	5	16,5
new	20	1,5	125	25	16	12	5	18,5
new	22	1,5	125	25	18	14,5	6	20,5
new	24	1,5	140	25	18	14,5	6	22,5

K27EMF...TX	CODICE - CODE	
	K27EMF...FOR-TX	K27EMF...FOR-TX
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>



Nuovi Trattamenti di ricopertura XP e TXC: insuperabili!
New XP and TXC coating treatments: unbeatable!

Confezione / Box: M3 – M12: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	48	48	48
● Standard	<input type="radio"/> Disponibilità da richiedere, prezzo a listino	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/> Solo a richiesta
● Standard	<input type="radio"/> Lead time on enquiry, standard price-list			<input checked="" type="radio"/> Only on request

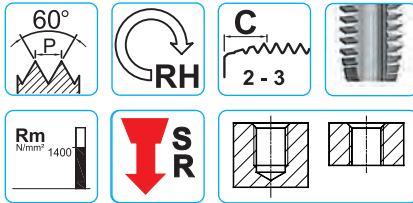
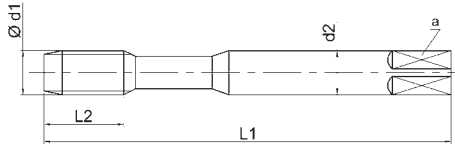
MASCHI A MACCHINA MACHINE TAPS

SYNCHRO RIGID

MASCHIATURA RIGIDA SINCRONIZZATA

Rigid Tapping Synchro

UFS norm



Profondità di filettatura - Thread depth

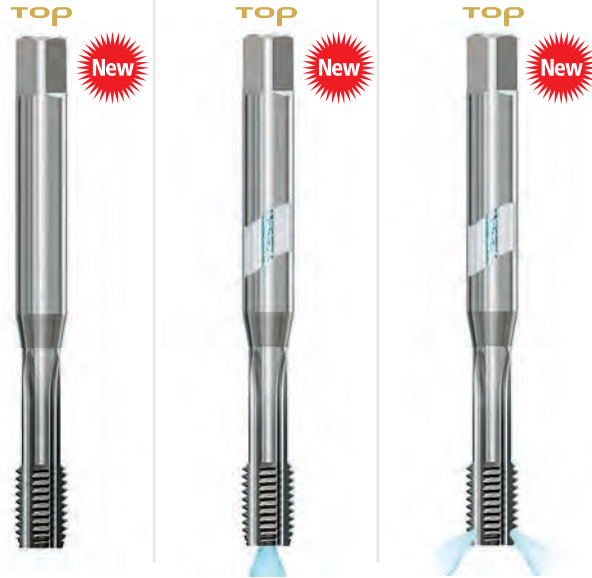
Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Ghisa / Cast iron
Acciaio alta resistenza
High resistance Steel
Al Si>10%

Numero gruppi materiali
Material's groups number



3xD	3,5xD	3,5xD
PM3	PM3	PM3
6HX	6HX	6HX
TXC	TXC	TXC
1.5 1.6	1.5 1.6	1.5 1.6
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3 5.4	4.3 4.4 4.5 4.6 5.3 5.4	4.3 4.4 4.5 4.6 5.3 5.4
8.2 8.3 10.1	8.2 8.3 10.1	8.2 8.3 10.1

UFS norm	Ød1 MF	P mm	L ₁	L ₂	d ₂ h6	a h12	Z	
8	1	90	13	8	6,2	4	7	
10	1	100	15	10	8	4	9	
10	1,25	100	15	10	8	4	8,75	
12	1,25	110	18	12	9	4	10,75	
12	1,5	110	18	12	9	4	10,5	
14	1,5	110	20	12	9	4	12,5	
16	1,5	110	20	16	12	4	14,5	

S20MF...TXC	CODICE - CODE	
	S20MF...FOR-TXC	S20MF...FOR-TXC
○	*	*
○	*	*
○	*	*
○	*	*
○	*	*
○	*	*
○	*	*

A richiesta:
On request:

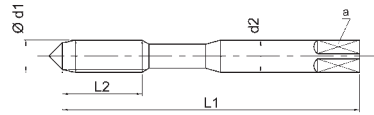


Con Weldon DIN1835 B

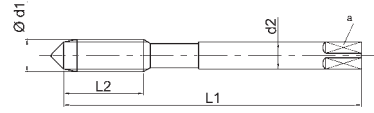
<p>Confezione / Box: M3 – M12: 5 pezzi / pcs Oltre / up: singoli / single pcs</p>	<p>€ Pagina listino - Price list page</p>	<p>48</p> <p>○ Disponibilità da richiedere, prezzo a listino ○ Lead time on enquiry, standard price-list</p>	<p>48</p> <p>★ Solo a richiesta ★ Only on request</p>
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MASCHI A MACCHINA, FILETTATURA SINISTRA MACHINE TAPS

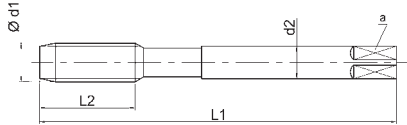
DIN 371



DIN 374



DIN 374



Profondità di filettatura - Thread depth

3xD

3xD

Materiale - Material

HSSE

HSSE

Tolleranza - Tolerance

6H

6H

Trattamento superficiale - Surface treatment

BR

TiN

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	3.3 3.4
5.1 5.2	4.1 4.2 4.3
	5.1 5.2

DIN	Ød1	P	L ₁	L ₂	d ₂	a	Z	
371	MF	mm			h9	h12		
◀	8	1	90	18	8	6,2	3	7
◀	10	1	90	15	10	8	3	9
◀	10	1,25	100	20	10	8	3	8,75

CODICE - CODE	
E24MF...LH	E24MF...LH-T
*	*
*	*
*	*

DIN	Ød1	P	L ₁	L ₂	d ₂	a	Z	
374	MF	mm			h9	h12		
◀	8	1	90	18	6	4,9	3	7
◀	10	1	90	15	7	5,5	3	9
◀	10	1,25	100	20	7	5,5	3	8,75
	12	1,25	100	22	9	7	3	10,75
	12	1,5	100	22	9	7	3	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5

CODICE - CODE	
E25MF...LH	E25MF...LH-T
○	○
○	○
○	○
○	○
○	○
○	○
○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

52

52

● Standard

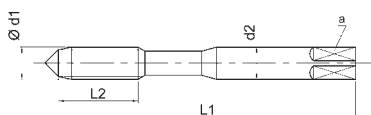
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

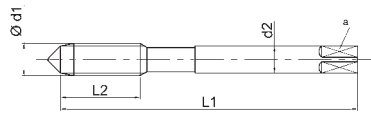
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

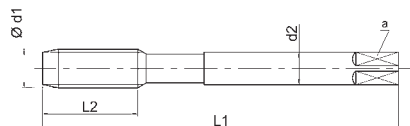
DIN 371



DIN 374



DIN 374



LINE



LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

HSSE

ISO1/4H

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

3xD

HSSE

ISO3/6G

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

3xD

HSSE

7G(6H+0,05)

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

3xD

HSSE

6H+0,1

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	18	8	6,2	3	7
◀	10	1	90	15	10	8	3	9
◀	10	1,25	100	20	10	8	3	8,75

CODICE - CODE			
E24MF...4H	E24MF...6G	E24MF...7G	E24MF...+0,1
*	*	*	*
*	*	*	*
*	*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	18	6	4,9	3	7
◀	10	1	90	15	7	5,5	3	9
◀	10	1,25	100	20	7	5,5	3	8,75
	12	1,25	100	22	9	7	3	10,75
	12	1,5	100	22	9	7	3	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5

CODICE - CODE			
E25MF...4H	E25MF...6G	E25MF...7G	E25MF...+0,1
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○
○	●	○	○

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	52	52	52	52
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

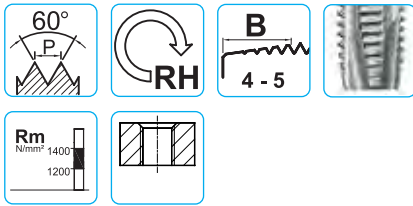
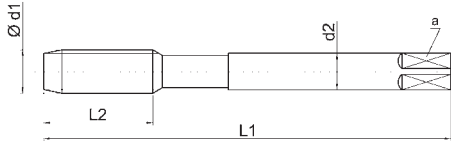
MASCHI A MACCHINA MACHINE TAPS

HR

ALTA RESISTENZA
High Resistance

MF

DIN 374



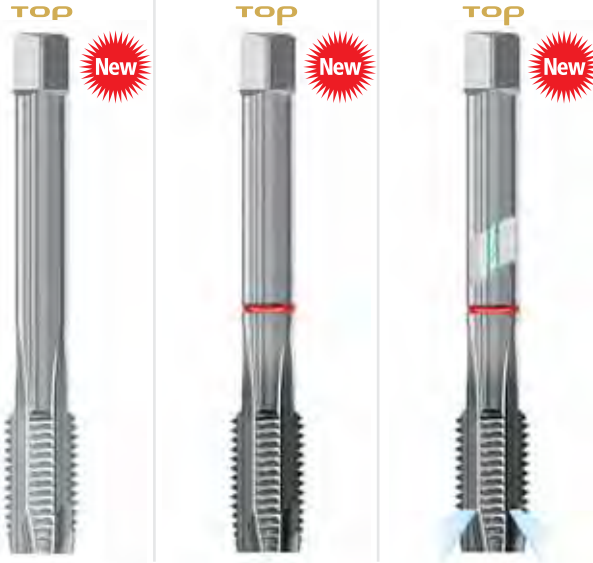
Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



3xD	3xD	3,5xD
PM3	PM3	PM3
6HX	6HX	6HX
BR	TXC	TXC
1.5 1.6	1.5 1.6	1.5 1.6
3.3 3.4	3.3 3.4	3.3 3.4
4.4 5.3	4.4 5.3	4.4 5.3

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
8	1	90	18	6	4,9	3	7	
10	1	90	15	7	5,5	3	9	
10	1,25	100	20	7	5,5	3	8,75	
12	1,25	100	22	9	7	4	10,75	
12	1,5	100	22	9	7	4	10,5	
14	1,5	100	22	11	9	4	12,5	
16	1,5	100	22	12	9	4	14,5	

K25MF...HR	CODICE - CODE	
	K25MF...TXC	K25MF...FORY-TXC
*	○	*
*	○	*
*	○	*
*	○	*
*	○	*
*	○	*

Novità / New
Rivestimento / Coating

TXC

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

54

54

54

● Standard

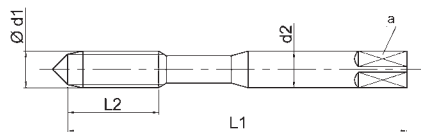
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

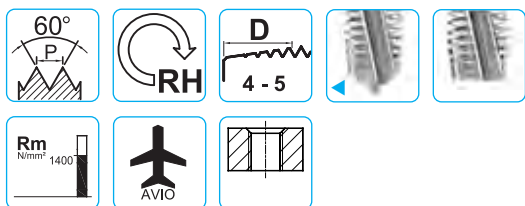
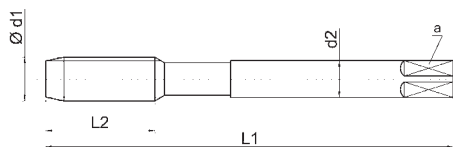
Ti TITANIO Titanium

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	18	8	6,2	3	*7
◀	10	1	100	20	10	8	3	*9
◀	10	1,25	100	20	10	8	3	*8,75

CODICE - CODE		
K52MF...V	K52MF...CT	K52MF...V-4HX
○	○	*
○	○	*
○	○	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,25	100	22	9	7	3	*10,75
	12	1,5	100	22	9	7	3	*10,5
	14	1,5	100	22	11	9	3	*12,5
	16	1,5	100	22	12	9	3	*14,5

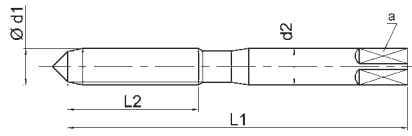
CODICE - CODE		
K53MF...V	K53MF...CT	K53MF...V-4HX
○	○	*
○	○	*
○	○	*
○	○	*

* Per MJ vedi tabella di foratura pag. 252
* Drills' diameters for MJ: table page 252

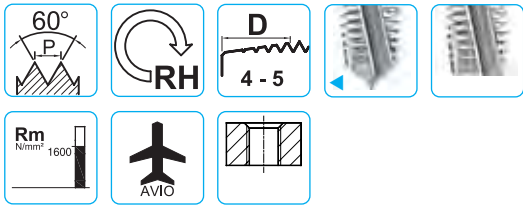
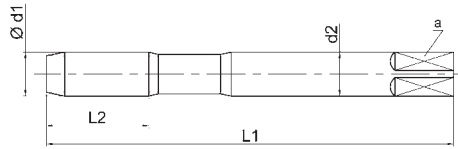
Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	55	56	56
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

MASCHI A MACCHINA MACHINE TAPS

UFS norm



UFS norm



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



3xD	3xD	3xD
PM3	PM3	PM3
6HX	6HX	4HX
BR	TiCN	BR
7.3 9.3	1.6 5.4	7.3 9.3
	7.2 9.1	

UFS norm	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	25	8	6,2	3	*7
◀	10	1	100	30	10	8	3	*9
◀	10	1,25	100	30	10	8	3	*8,75
	12	1,25	110	30	12	9	3	*10,75
	12	1,5	110	30	12	9	3	*10,5
	14	1,5	110	30	12	9	3	*12,5
	16	1,5	110	30	16	9	3	*12,5

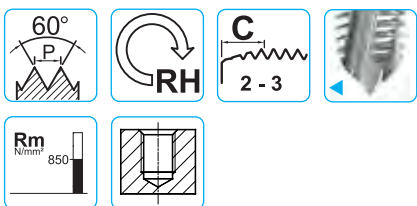
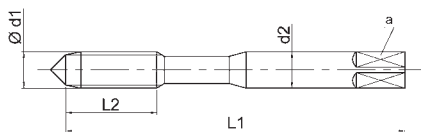
CODICE - CODE	K52MF...NI		
	K52MF...NI	K52MF...NI-CT	K52MF...NI-4HX
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★

* Per MJ vedi tabella di foratura pag. 252
* Drills' diameters for MJ: table page 252

N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



LINE



R15°

LINE



R15°

LINE



R15°

LINE



R15°

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

1,5xD

HSSE

ISO2/6H

V

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

6.1 7.1

1,5xD

HSSE

ISO2/6H

TiN

1.1 1.2 1.3 1.4

3.3 3.4

4.1 4.2 4.3

5.1 5.2

1,5xD

HSSE

ISO2/6H

XP

1.1 1.2 1.3 1.4

3.3 3.4

4.2 4.3

5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	13	4,5	3,4	3	3,5
◀	5	0,5	70	13	6	4,9	3	4,5
◀	6	0,75	80	16	6	4,9	3	5,25
◀	8	0,75	90	18	8	6,2	3	7,25
◀	8	1	90	18	8	6,2	3	7
◀	10	1	90	15	10	8	3	9
◀	10	1,25	100	20	10	8	3	8,75

CODICE - CODE			
E40MF...	E40MF...V	E40MF...T	E40MF...XP
○	*	*	*
○	*	*	*
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
○	○	○	○
●	○	○	○

Segue diametri
Diameters, to be continued

▶ Pag. 116

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

● Standard
● Standard

56

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

56

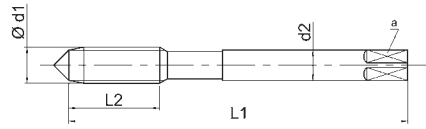
56

* Solo a richiesta
* Only on request

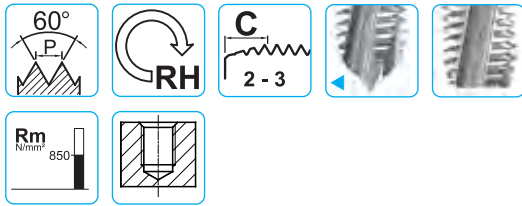
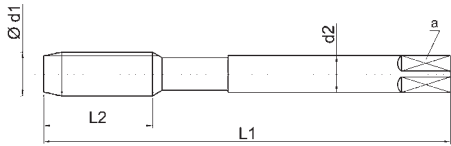
56

MASCHI A MACCHINA MACHINE TAPS

DIN 374



DIN 374



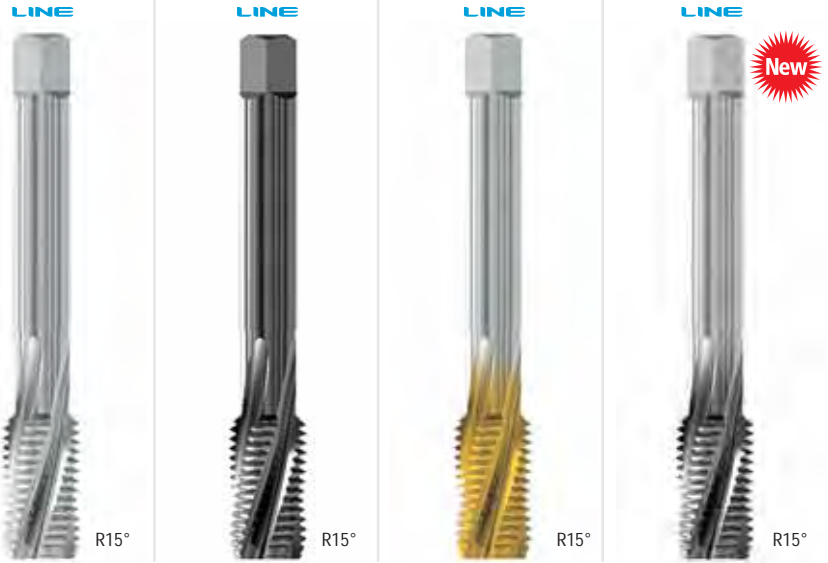
Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



1,5xD 1,5xD 1,5xD 1,5xD

HSSE HSSE HSSE HSSE

ISO2/6H ISO2/6H ISO2/6H ISO2/6H

BR V TiN XP

1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	0,75	80	16	4,5	3,4	3	5,25
◀	8	0,75	90	18	6	4,9	3	7,25
◀	8	1	90	18	6	4,9	3	7
	9	1	90	18	7	5,5	3	8
◀	10	0,75	90	15	7	5,5	3	9,15
◀	10	1	90	15	7	5,5	3	9
◀	10	1,25	100	20	7	5,5	3	8,75
	11	1	100	20	8	6,2	3	10
	11	1,25	100	20	8	6,2	3	9,75
	12	1	100	22	9	7	3	11
	12	1,25	100	22	9	7	3	10,75
	12	1,5	100	22	9	7	3	10,5
	14	1	100	22	11	9	3	13
	14	1,25	100	22	11	9	3	12,75
	14	1,5	100	22	11	9	3	12,5
	15	1	100	22	12	9	3	14
	15	1,5	100	22	12	9	3	13,5
	16	1	100	22	12	9	3	15
	16	1,25	100	22	12	9	3	14,75
	16	1,5	100	22	12	9	3	14,5
	17	1	110	25	14	11	4	16
	17	1,5	110	25	14	11	4	15,5
	18	1	110	25	14	11	4	17
	18	1,5	110	25	14	11	4	16,5
	19	1	125	25	16	12	4	19
	19	1,5	125	25	16	12	4	18,5

E41MF...	CODICE - CODE			E41MF...XP
	E41MF...V	E41MF...T		
○	○	○	○	
○	○	○	○	
●	●	○	○	
○	○	○	★	
○	○	○	★	
●	●	○	○	
○	○	○	○	
○	○	○	★	
★	★	★	★	
●	●	○	★	
●	●	○	★	
●	●	○	○	
○	○	○	★	
○	○	○	○	
○	○	○	★	
○	○	○	★	
○	○	○	○	
○	○	○	★	
○	○	○	★	
○	○	○	○	
○	○	○	★	
○	○	○	★	
○	○	○	○	
○	○	○	★	
○	○	○	★	

Segue diametri
Diameters, to be continued

▶ Pag. 117

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

● Standard
● Standard

57

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

57

57

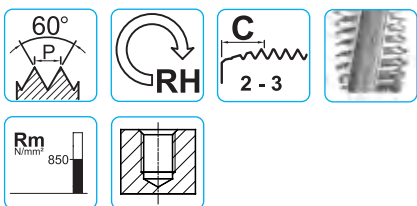
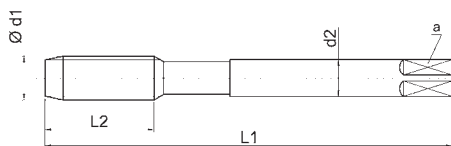
★ Solo a richiesta
★ Only on request

58

N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 374



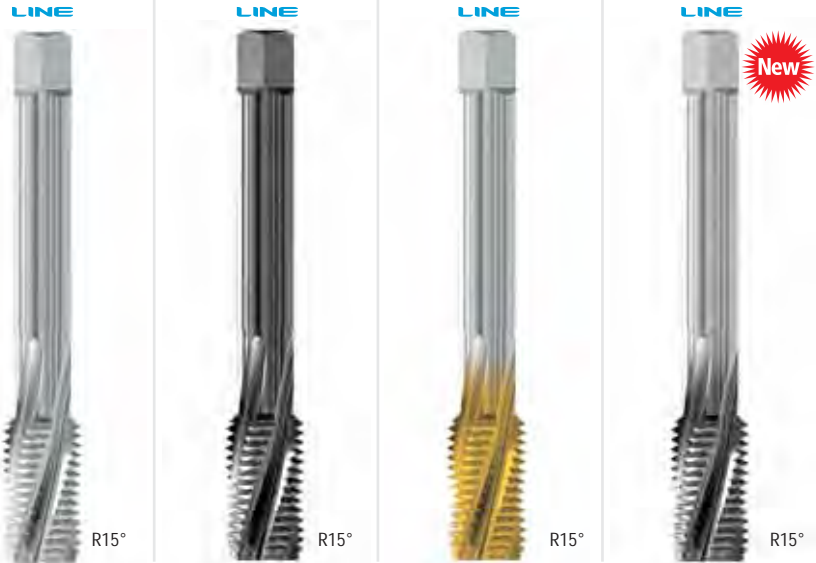
Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



LINE	LINE	LINE	LINE
1,5xD	1,5xD	1,5xD	1,5xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

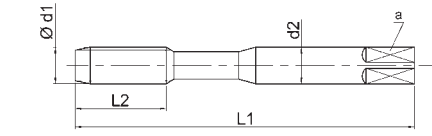
DIN 374	$\varnothing d1$ MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	20	1	125	25	16	12	4	19
	20	1,5	125	25	16	12	4	18,5
	20	2	140	33	16	12	4	18
	22	1	125	25	18	14,5	4	21
	22	1,5	125	25	18	14,5	4	20,5
	22	2	140	33	18	14,5	4	20
	24	1	140	25	18	14,5	4	23
	24	1,5	140	25	18	14,5	4	22,5
	24	2	140	25	18	14,5	4	22
	25	1	140	25	18	14,5	4	24
	25	1,5	140	25	18	14,5	4	23,5
	25	2	140	25	18	14,5	4	23
	26	1	140	25	18	14,5	4	25
	26	1,5	140	25	18	14,5	4	24,5
	26	2	140	25	18	14,5	4	24
	27	1	140	25	20	16	4	26
	27	1,5	140	25	20	16	4	25,5
	27	2	140	25	20	16	4	25
	28	1	140	25	20	16	4	27
	28	1,5	140	25	20	16	4	26,5
	28	2	140	25	20	16	4	26
	30	1	150	28	22	18	4	29
	30	1,5	150	28	22	18	4	28,5
	30	2	150	28	22	18	4	28
	30	3	180	46	22	18	4	27

E41MF...	CODICE - CODE		
	E41MF...V	E41MF...T	E41MF...XP
○	○	○	*
●	○	○	○
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*

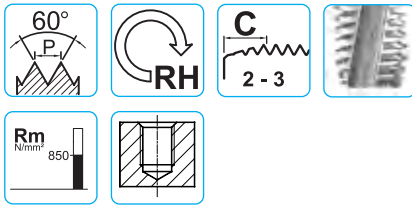
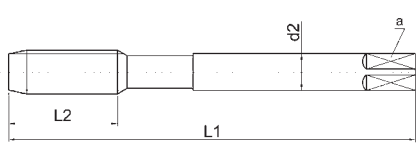
Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	57	57	57	58
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



Profondità di filettatura - Thread depth	2,5xD	2,5xD
Materiale - Material	HSSE	HSSE
Tolleranza - Tolerance	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment	BR	TiN
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	3.3 3.4
	5.1 5.2	4.1 4.2 4.3
		5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	18	8	6,2	3	7
	10	1	90	15	10	8	3	9
	10	1,25	100	20	10	8	3	8,75

CODICE - CODE	
E40MF...FOR	E40MF...FOR-T
○	*
○	*
○	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,25	100	22	9	7	3	10,75
	12	1,5	100	22	9	7	3	10,5
	14	1,5	100	22	11	9	3	12,5
	16	1,5	100	22	12	9	3	14,5

CODICE - CODE	
E41MF...FOR	E41MF...FOR-T
○	*
○	*
○	*
○	*

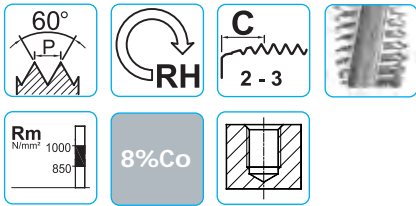
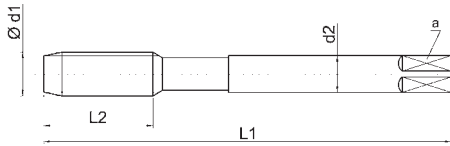
N

USO GENERALE R ≤ 1000N/mm²

General purpose R ≤ 1000N/mm²

MASCHI A MACCHINA MACHINE TAPS

DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

R15°	R15°	R15°	R15°
1,5xD	1,5xD	1,5xD	1,5xD
HSSP	HSSP	HSSP	HSSP
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	TiCN
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2	4.1 4.2	3.3 3.4 4.1 4.2 4.3	3.3 3.4 4.2 4.3
5.1 5.2	5.1 5.2	5.1 5.2	5.2
	6.1 7.1		

DIN 374	Ød1 MF	P mm	L1	L2	d2 h9	a h12	Z	
	8	1	90	18	6	4,9	3	7
	10	1	90	15	7	5,5	3	9
	10	1,25	100	20	7	5,5	3	8,75
	12	1,25	100	22	9	7	4	10,75
	12	1,5	100	22	9	7	4	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5
	18	1,5	110	25	14	11	4	16,5
	20	1,5	125	25	16	12	4	18,5

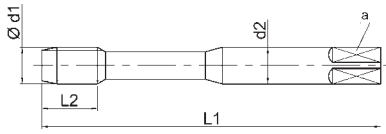
CODICE - CODE			
P41MF...	P41MF... V	P41MF... T	P41MF... CT
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	58	58	58	58
	● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

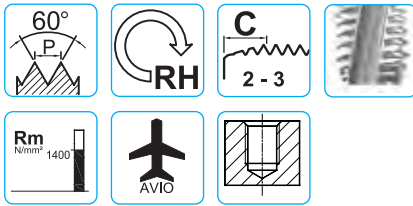
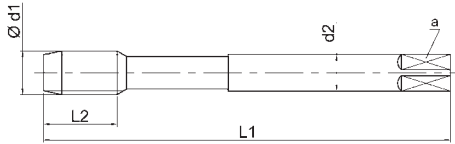
MASCHI A MACCHINA MACHINE TAPS

MF

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



1,5xD

1,5xD

1,5xD

PM3

PM3

PM3

6HX

6HX

4HX

V

TiCN

V

6.1	1.6 2.4	6.1
	3.3 3.4	
	4.4 5.3 5.4 6.2 6.3	
	7.2 9.2	

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	13	8	6,2	3	*7
	10	1	100	15	10	8	3	*9
	10	1,25	100	15	10	8	3	*8,75

CODICE - CODE		
K42MF...V	K42MF...CT	K42MF...V-4HX
○	○	*
○	○	*
○	○	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,25	100	15	9	7	4	*10,75
	12	1,5	100	15	9	7	4	*10,5
	14	1,5	100	15	11	9	4	*12,5
	16	1,5	100	15	12	9	4	*14,5

CODICE - CODE		
K43MF...V	K43MF...CT	K43MF...V-4HX
○	○	*
○	○	*
○	○	*
○	○	*

* Per MJ vedi tabella di foratura pag. 252
* Drills' diameters for MJ: table page 252

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

59

59

59

● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

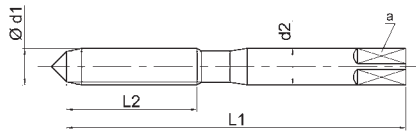
★ Solo a richiesta
★ Only on request

Ni

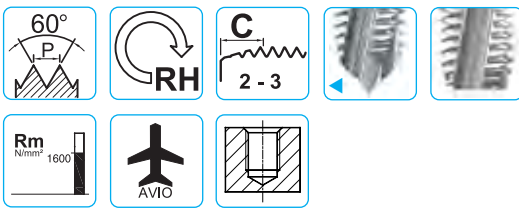
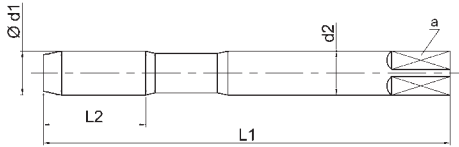
NICHEL

Nickel

UFS norm



UFS norm



Profondità di filettatura - Thread depth

3xD

3xD

3xD

Materiale - Material

PM3

PM3

PM3

Tolleranza - Tolerance

6HX

6HX

4HX

Trattamento superficiale - Surface treatment

BR

TiCN

BR

Numero gruppi materiali
Material's groups number

7.3 9.3

1.6 5.4

7.3 9.3

7.2 9.1

UFS norm	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	25	8	6,2	3	*7
◀	10	1	100	30	10	8	3	*9
◀	10	1,25	100	30	10	8	3	*8,75
	12	1,25	110	30	12	9	4	*10,75
	12	1,5	110	30	12	9	4	*10,5
	14	1,5	110	30	12	9	4	*12,5
	16	1,5	110	30	16	9	4	*12,5

* Per MJ vedi tabella di foratura pag. 252

* Drills' diameters for MJ: table page 252



Avete visto quanti maschi FORATI? Il refrigerante vuol dire LUNGA VITA al maschio!!

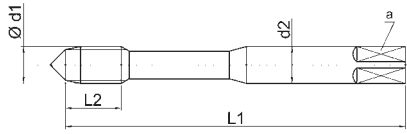
Have you checked our BORED taps? The refrigerant ensures LONG LIFE to the tap!!

K42MF...NI	CODICE - CODE	
	K42MF...NI-CT	K42MF...NI-4HX
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*

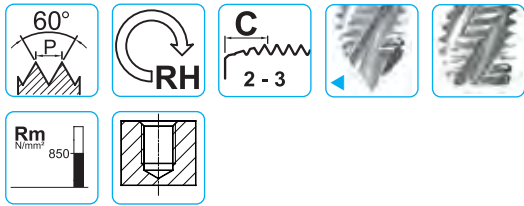
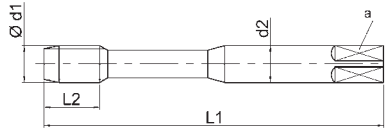
Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	59	59	59
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 371



New

Profondità di filettatura - Thread depth	2,5xD
Materiale - Material	HSSE
Tolleranza - Tolerance	ISO2/6H
Trattamento superficiale - Surface treatment	BR V TiN TXC
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4
	4.1 4.2
	5.1 5.2

2,5xD	2,5xD	2,5xD	2,5xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	TXC
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
		5.1 5.2	5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	7	4,5	3,4	3	3,5
◀	5	0,5	70	8	6	4,9	3	4,5
◀	6	0,75	80	10	6	4,9	3	5,25
	8	0,75	90	13	8	6,2	3	7,25
	8	1	90	13	8	6,2	3	7
	10	1	90	15	10	8	3	9
	10	1,25	100	15	10	8	3	8,75

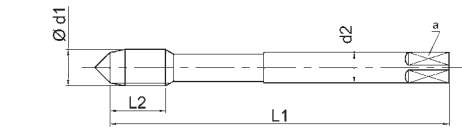
E60MF...	CODICE - CODE		
	E60MF...V	E60MF...T	E60MF...TXC
○	○	○	○
○	○	○	○
●	○	○	●
○	○	○	○
●	○	○	●
●	○	○	●
●	○	○	●

Segue diametri
Diameters, to be continued

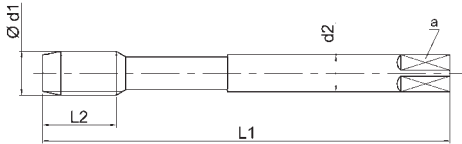
N	USO GENERALE
	General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 374



DIN 374

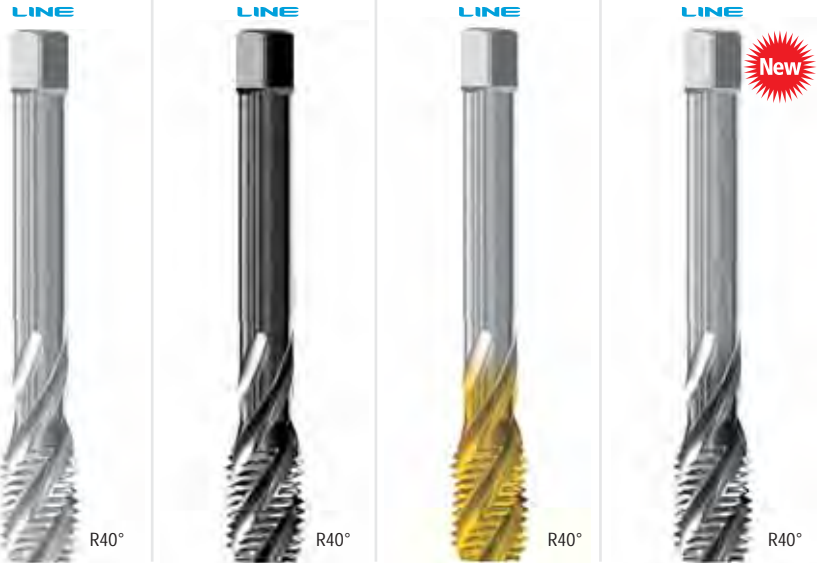


60°
P_r

↻
RH

C
2-3

Rm
N_{mm2}
850



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

2,5xD		2,5xD		2,5xD		2,5xD	
HSSE		HSSE		HSSE		HSSE	
ISO2/6H		ISO2/6H		ISO2/6H		ISO2/6H	
BR		V		TiN		TXC	
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	3.3 3.4	2.1 2.2 3.3 3.4	4.2 4.3	5.2
4.1 4.2	4.1 4.2	4.1 4.2 4.3	4.2 4.3				
5.1 5.2	5.1 5.2						

Numero gruppi materiali
Material's groups number

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	0,75	80	10	4,5	3,4	3	5,25
◀	8	0,75	90	13	6	4,9	3	7,25
◀	8	1	90	13	6	4,9	3	7
	9	1	90	18	7	5,5	3	8
	10	1	90	15	7	5,5	3	9
	10	1,25	100	15	7	5,5	3	8,75
	11	1	100	15	8	6,2	3	10
	12	1	100	13	9	7	3	11
	12	1,25	100	13	9	7	3	10,75
	12	1,5	100	13	9	7	3	10,5
	13	1	100	15	11	9	4	12
	14	1	100	15	11	9	4	13
	14	1,25	100	15	11	9	4	12,75
	14	1,5	100	15	11	9	4	12,5
	15	1	100	22	12	9	4	14
	15	1,5	100	22	12	9	4	13,5
	16	1	100	15	12	9	4	15
	16	1,5	100	15	12	9	4	14,5
	17	1	110	25	14	11	4	16
	17	1,5	110	25	14	11	4	15,5
	18	1	110	17	14	11	4	17
	18	1,5	110	17	14	11	4	16,5
	18	2	125	25	14	11	4	16
	20	1	125	17	16	12	4	19
	20	1,5	125	17	16	12	4	18,5
	20	2	140	25	16	12	4	18

CODICE - CODE			
E61MF...	E61MF...V	E61MF...T	E61MF...TXC
○	○	○	○
○	○	○	○
○	○	○	○
*	*	*	*
○	○	○	○
○	○	○	○
*	*	*	*
○	○	○	○
○	○	○	○
*	*	*	*
○	○	○	○
○	*	*	*
○	○	○	○
*	*	*	*
○	○	○	○
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
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○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*

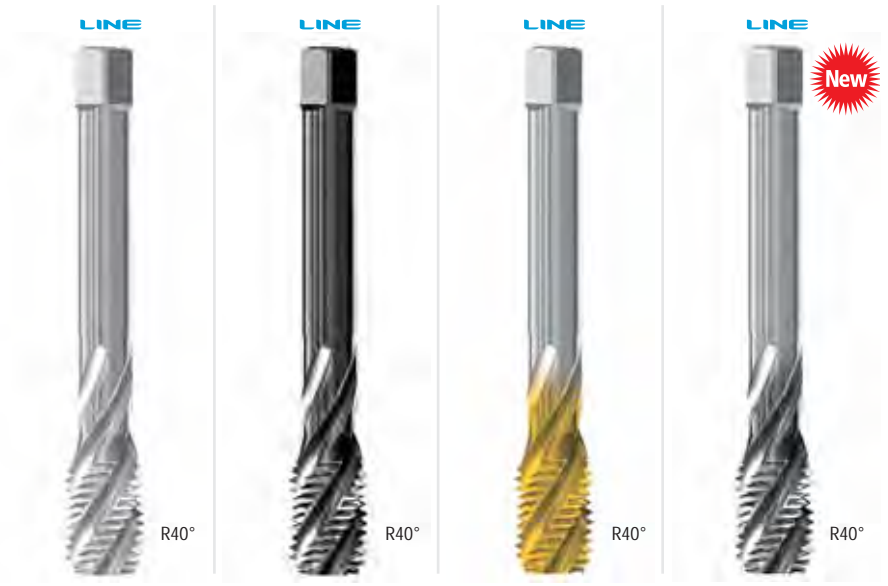
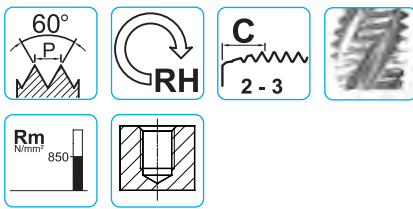
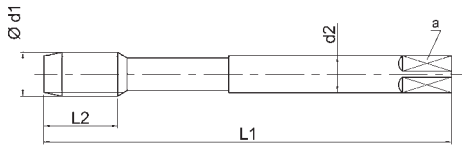
Segue diametri
Diameters following ▶ Pag. 124...126

<p>Confezione / Box:</p> <p>M3 – M10: 10 pezzi / pcs</p> <p>M12 – M16: 5 pezzi / pcs</p>	<p>€ Pagina listino - Price list page</p> <ul style="list-style-type: none"> ● Standard ○ Disponibilità da richiedere, prezzo a listino ○ Lead time on enquiry, standard price-list 	<p>60</p> <p>60</p> <p>60</p>	<p>62</p> <p>62</p> <p>62</p>
		<ul style="list-style-type: none"> * Solo a richiesta * Only on request 	

MASCHI A MACCHINA MACHINE TAPS

MF

DIN 374



New

Profondità di filettatura - Thread depth	2,5xD	2,5xD	2,5xD	2,5xD
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment	BR	V	TiN	TXC
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
	5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3

DIN 374	∅d1 MF	P mm	L1	L2	d2 h9	a h12	Z	
	21	1	125	18	18	14,5	4	20
	21	1,5	125	18	18	14,5	4	19,5
	21	2	140	25	18	14,5	4	19
	22	1	125	18	18	14,5	4	21
	22	1,5	125	18	18	14,5	4	20,5
	22	2	140	25	18	14,5	4	20
	24	1	140	20	18	14,5	4	23
	24	1,5	140	20	18	14,5	4	22,5
	24	2	140	20	18	14,5	4	22
	25	1	140	20	18	14,5	4	24
	25	1,5	140	20	18	14,5	4	23,5
	25	2	140	20	18	14,5	4	23
	26	1,5	140	20	18	14,5	4	24,5
	27	1	140	20	20	16	4	26
	27	1,5	140	20	20	16	4	25,5
	27	2	140	20	20	16	4	25
	28	1,5	140	20	20	16	4	26,5
	30	1,5	150	22	22	18	4	28,5
	30	2	150	22	22	18	4	28
	30	3	180	35	22	18	4	27
	32	1,5	150	22	22	18	5	30,5
	32	2	150	22	22	18	5	30
	33	1,5	160	24	25	20	5	31,5
	33	2	160	24	25	20	5	31
	33	3	180	35	25	20	4	30
	34	1,5	170	24	28	22	5	32,5
	35	1,5	170	24	28	22	5	33,5

CODICE - CODE			
E61MF...	E61MF...V	E61MF...T	E61MF...TXC
*	*	*	*
*	*	*	*
*	*	*	*
○	*	*	*
●	○	○	○
○	*	*	*
*	*	*	*
●	○	○	○
○	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
○	○	○	○
*	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*

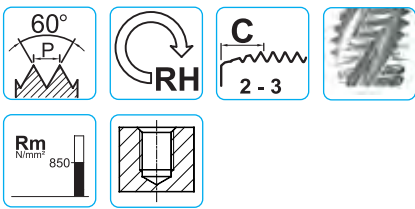
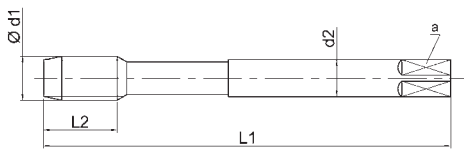
Segue diametri
Diameters, to be continued ▶ Pag. 125...126

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	60-61	60-61	60-61	62
	<ul style="list-style-type: none"> ● Standard ● Standard 	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

N USO GENERALE
 General purpose

MASCHI A MACCHINA MACHINE TAPS

-DIN 374



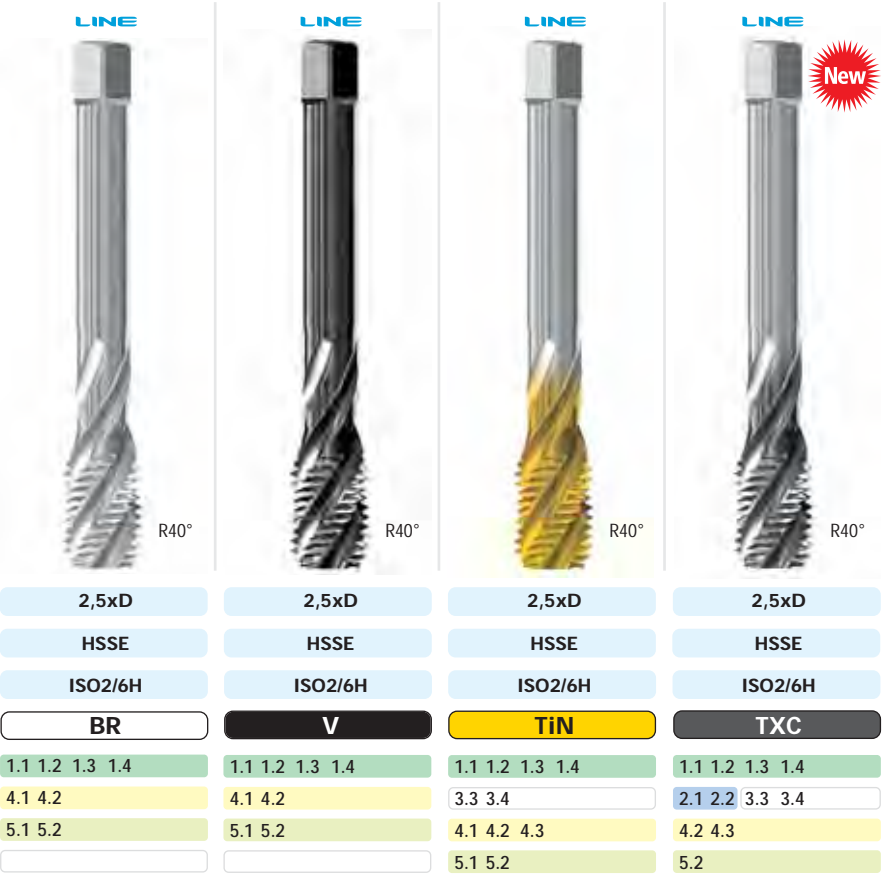
Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number



-DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
36	1,5	170	24	28	22	5	34,5	
36	2	170	24	28	22	5	34	
36	3	200	40	28	22	4	33	
37	1,5	170	24	28	22	6	35,5	
38	1,5	170	24	28	22	6	36,5	
39	1,5	170	25	32	24	6	37,5	
39	2	170	25	32	24	6	37	
39	3	200	40	32	24	4	36	
40	1,5	170	25	32	24	6	38,5	
40	2	170	25	32	24	6	38	
40	3	200	40	32	24	5	37	
42	1,5	170	25	32	24	6	40,5	
42	2	170	25	32	24	6	40	
42	3	200	40	32	24	5	39	
45	1,5	180	27	36	29	6	43,5	
45	2	180	27	36	29	6	43	
45	3	200	32	36	29	5	42	
48	1,5	190	27	36	29	6	46,5	
48	2	190	27	36	29	6	46	
*48	3	220	36	36	29	6	45	
50	1,5	190	27	36	29	6	48,5	
50	2	190	27	36	29	6	48	
*50	3	220	36	36	29	6	47	
52	1,5	190	27	40	32	6	50,5	
52	2	190	27	40	32	6	50	
*52	3	220	36	40	32	6	49	

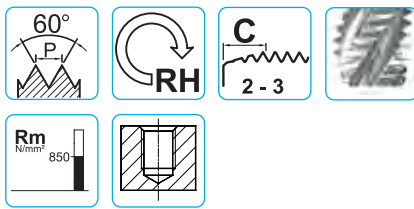
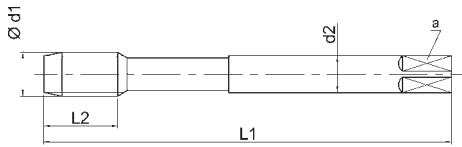
■ = Acciaio HSS / HSS Steel
 * Dimensioni a norma UFS / Dimensions according UFS' norms

E61MF...	CODICE - CODE		
	E61MF...V	E61MF...T	E61MF...TXC
○	*	*	*
○	*	*	*
○	*	*	*
*	*	*	*
○	*	*	*
*	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*

Segue diametri / Diameters, to be continued

MASCHI A MACCHINA MACHINE TAPS

UFS norm



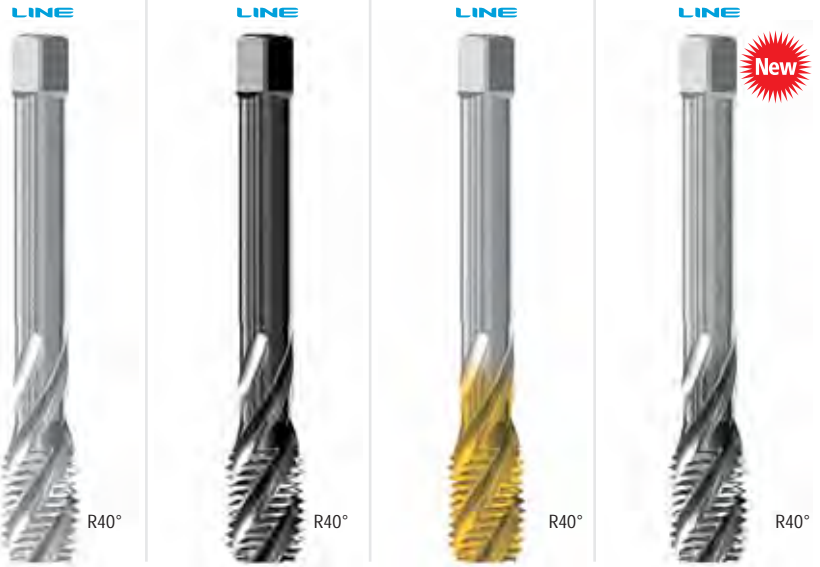
Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



	2,5xD	2,5xD	2,5xD	2,5xD
Profondità di filettatura - Thread depth	2,5xD	2,5xD	2,5xD	2,5xD
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment	BR	V	TiN	TXC
Numero gruppi materiali - Material's groups number	1.1 1.2 1.3 1.4 4.1 4.2 5.1 5.2	1.1 1.2 1.3 1.4 4.1 4.2 5.1 5.2	1.1 1.2 1.3 1.4 3.3 3.4 4.1 4.2 4.3 5.1 5.2	1.1 1.2 1.3 1.4 2.1 2.2 3.3 3.4 4.2 4.3 5.2

UFS norm	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
■	* 56	1,5	190	27	40	32	6	54,5
■	* 56	2	190	27	40	32	6	54
■	* 56	3	220	36	40	32	6	53
■	* 56	4	220	36	40	32	6	52
■	* 58	1,5	190	27	40	32	6	56,5
■	* 58	2	190	27	40	32	6	56
■	* 58	3	220	36	40	32	6	55
■	* 58	4	220	36	40	32	6	54
■	* 60	1,5	190	27	45	35	6	58,5
■	* 60	2	190	27	45	35	6	58
■	* 60	3	220	36	45	35	6	57
■	* 60	4	220	36	45	35	6	56

■ = Acciaio HSS / HSS Steel

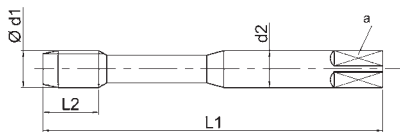
* Dimensioni a norma UFS / Dimensions according UFS' norms

E61MF...	CODICE - CODE		
	E61MF...V	E61MF...T	E61MF...TXC
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

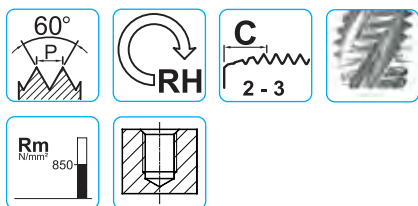
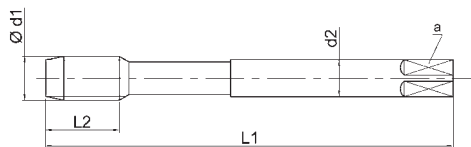
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



LINE



3XD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

LINE



3XD

HSSE

ISO2/6H

TiN

1.1 1.2 1.3 1.4

3.3 3.4

4.1 4.2 4.3

LINE



3XD

HSSE

ISO2/6H

TxC

1.1 1.2 1.3 1.4

2.1 2.2 3.3 3.4

4.2 4.3

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	13	8	6,2	3	7
	10	1	90	15	10	8	3	9
	10	1,25	100	15	10	8	3	8,75

CODICE - CODE		
E60MF...FOR	E60MF...FOR-T	E60MF...FOR-TxC
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

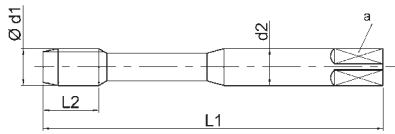
DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1,25	100	13	9	7	3	10,75
	12	1,5	100	13	9	7	3	10,5
	14	1,5	100	15	11	9	4	12,5
	16	1,5	100	15	12	9	4	14,5

CODICE - CODE		
E61MF...FOR	E61MF...FOR-T	E61MF...FOR-TxC
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

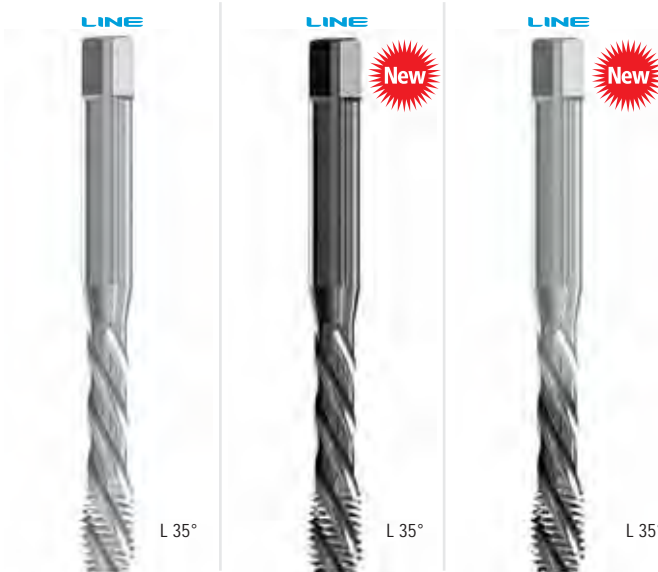
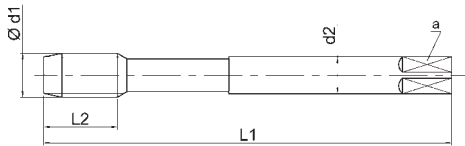
Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	62	62	62
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

MASCHI A MACCHINA, FILETTATURA SINISTRA MACHINE TAPS

DIN 371



DIN 374



Profondità di filettatura - Thread depth	2,5xD	2,5xD	2,5xD
Materiale - Material	HSSE	HSSE	HSSE
Tolleranza - Tolerance	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment	BR	V	XP
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	4.1 4.2	2.1 2.2 3.3 3.4
	5.1 5.2	5.1 5.2	4.2 4.3

DIN 371	Ød1	P	L ₁	L ₂	d ₂	a	Z	
MF	mm				h9	h12		
8	1	90	18	8	6,2	3	7	
10	1	90	15	10	8	3	9	
10	1,25	100	20	10	8	3	8,75	

CODICE - CODE		
E60MF...LH	E60MF...LH-V	E60MF...LH-XP
*	*	*
*	*	*
*	*	*

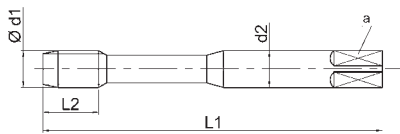
DIN 374	Ød1	P	L ₁	L ₂	d ₂	a	Z	
MF	mm				h9	h12		
8	1	90	13	6	4,9	3	7	
10	1	90	15	7	5,5	3	9	
10	1,25	100	15	7	5,5	3	8,75	
12	1,25	100	13	9	7	3	10,75	
12	1,5	100	13	9	7	3	10,5	
14	1,5	100	15	11	9	4	12,5	
16	1,5	100	15	12	9	4	14,5	

CODICE - CODE		
E61MF...LH	E61MF...LH-T	E61MF...LH-XP
o	o	o
o	o	o
o	o	o
o	o	o
o	o	o
o	o	o
o	o	o

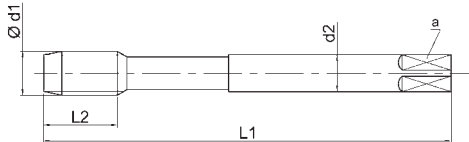
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



LINE



R40°

LINE



R40°

LINE



R40°

LINE



R40°

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2,5xD

HSSE

ISO1/4H

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

2,5xD

HSSE

ISO3/6G

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

2,5xD

HSSE

7G(6H+0,05)

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

2,5xD

HSSE

6H+0,1

BR

1.1 1.2 1.3 1.4

4.1 4.2

5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	13	8	6,2	3	7
	10	1	90	15	10	8	3	9
	10	1,25	100	15	10	8	3	8,75

CODICE - CODE			
E60MF...4H	E60MF...6G	E60MF...7G	E60MF...+0,1
*	*	*	*
*	*	*	*
*	*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	13	6	4,9	3	7
	10	1	90	15	7	5,5	3	9
	10	1,25	100	15	7	5,5	3	8,75
	12	1,25	100	13	9	7	3	10,75
	12	1,5	100	13	9	7	3	10,5
	14	1,5	100	15	11	9	4	12,5
	16	1,5	100	15	12	9	4	14,5

CODICE - CODE			
E61MF...4H	E61MF...6G	E61MF...7G	E61MF...+0,1
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	63	63	63	63
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

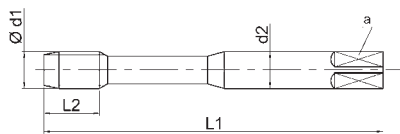
N

USO GENERALE R ≤ 1000N/mm²

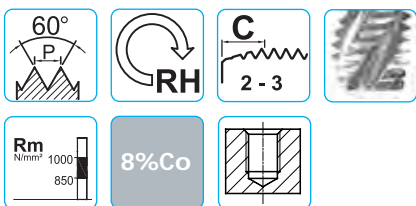
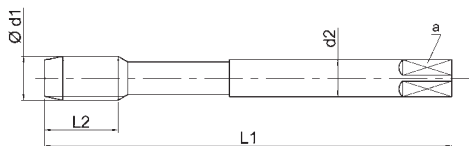
General purpose R ≤ 1000N/mm²

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



R40°



R40°



R40°



R40°



Profondità di filettatura - Thread depth

2,5xD

2,5xD

2,5xD

2,5xD

Materiale - Material

HSSP

HSSP

HSSP

HSSP

Tolleranza - Tolerance

ISO2/6H

ISO2/6H

ISO2/6H

ISO2/6H

Trattamento superficiale - Surface treatment

BR

V

TiN

XP

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4 1.5

1.1 1.2 1.3 1.4 1.5

4.1 4.2

4.1 4.2

3.3 3.4 4.1 4.2 4.3

2.1 2.2

5.1 5.2

5.1 5.2

5.1 5.2

3.3 3.4 4.2 4.3

5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	13	8	6,2	3	7
	10	1	90	15	10	8	3	9
	10	1,25	100	15	10	8	3	8,75

CODICE - CODE			
P60MF...	P60MF...V	P60MF...T	P60MF...XP
*	*	*	*
*	*	*	*
*	*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	13	6	4,9	3	7
	10	1	90	15	7	5,5	3	9
	10	1,25	100	15	7	5,5	3	8,75
	12	1	100	13	9	7	4	11
	12	1,25	100	13	9	7	4	10,75
	12	1,5	100	13	9	7	4	10,5
	14	1,5	100	15	11	9	4	12,5
	16	1,5	100	15	12	9	4	14,5
	18	1,5	110	17	14	11	4	16,5
	20	1,5	125	17	16	12	4	18,5

CODICE - CODE			
P61MF...	P61MF...V	P61MF...T	P61MF...XP
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o
o	o	o	o

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

64

64

64

64

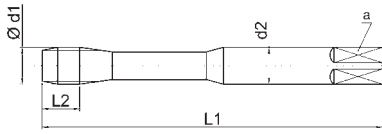
● Standard

o Disponibilità da richiedere, prezzo a listino
o Lead time on enquiry, standard price-list

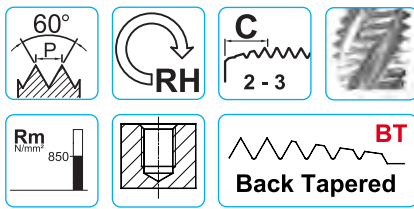
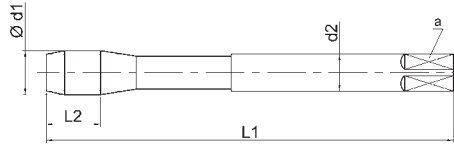
* Solo a richiesta
* Only on request

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2,5÷3xD 2,5÷3xD 2,5÷3xD 2,5÷3xD

HSSE HSSE HSSE HSSE

ISO2/6H ISO2/6H ISO2/6H ISO2/6H

BR V TiN XP

1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
5.1 5.2	2.1 2.2	5.1 5.2	2.1 2.2
	5.1 5.2		5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
8	1	90	10	8	6,2	3	7	
10	1	90	10	10	8	3	9	
10	1,25	100	13	10	8	3	8,75	

CODICE - CODE			
E80MF...	E80MF...V	E80MF...T	E80MF...XP
*	*	*	*
*	*	*	*
*	*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
8	1	90	13	6	4,9	3	7	
10	1	90	15	7	5,5	3	9	
10	1,25	100	15	7	5,5	3	8,75	
12	1	100	13	9	7	3	11	
12	1,25	100	13	9	7	3	10,75	
12	1,5	100	13	9	7	3	10,5	
14	1,5	100	15	11	9	4	12,5	
16	1,5	100	15	12	9	4	14,5	
18	1,5	110	17	14	11	4	16,5	
20	1,5	125	17	16	12	4	18,5	

CODICE - CODE			
E81MF...	E81MF...V	E81MF...T	E81MF...XP
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○
•	○	○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

• Standard
• Standard

64

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

64

64

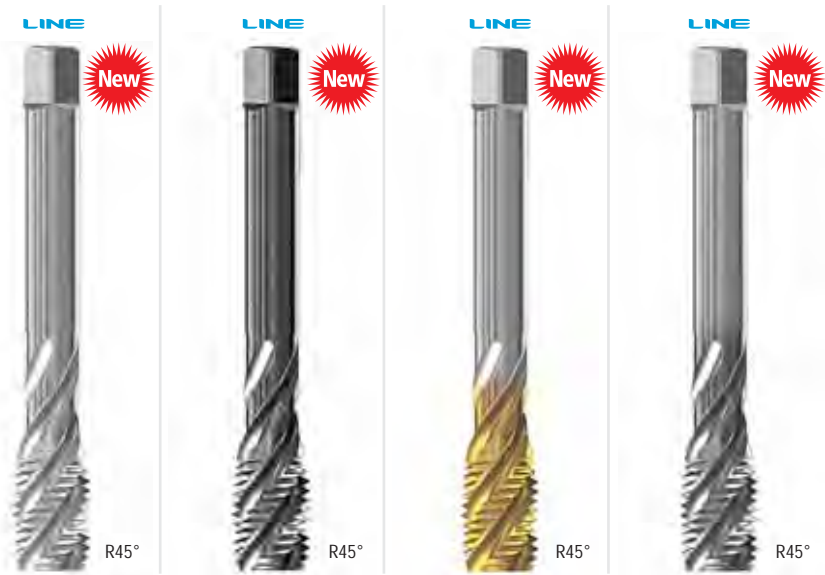
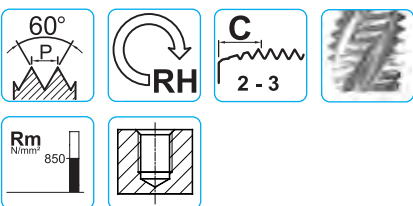
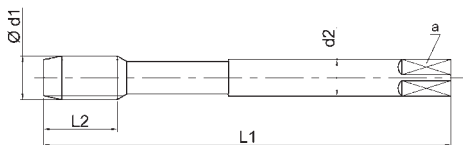
★ Solo a richiesta
★ Only on request

64

N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.2 5.2	2.1 2.2	4.2 5.2	2.1 2.2
	4.2 5.2		4.2 5.2

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	8	1	90	13	6	4,9	3	7
	10	1	90	15	7	5,5	3	9
	10	1,25	100	15	7	5,5	3	8,75
	12	1	100	13	9	7	4	11
	12	1,25	100	13	9	7	4	10,75
	12	1,5	100	13	9	7	4	10,5
	14	1,5	100	15	11	9	4	12,5
	16	1,5	100	15	12	9	4	14,5
	18	1,5	110	17	14	11	4	16,5
	20	1,5	125	17	16	12	4	18,5

CODICE - CODE			
E83MF...	E83MF...V	E83MF...T	E83MF...XP
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
○	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○

Versione ad alto rendimento in PM3 pagina seguente.
High performance PM3 edition in following page.

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	65	65	65	65
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

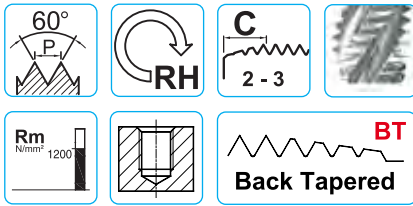
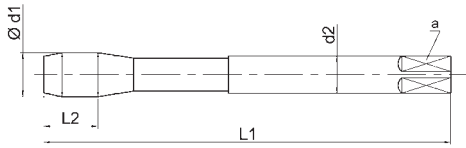
MASCHI A MACCHINA MACHINE TAPS

U

APPLICAZIONI UNIVERSALI R ≤ 1200 N/mm²

Universal Applications R ≤ 1200 N/mm²

DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



3xD	3xD	3,5xD	3,5xD
PM3	PM3	PM3	PM3
6HX	6HX	6HX	6HX
BR	XP	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.2 5.2	2.1 2.2 2.3	2.1 2.2 2.3	2.1 2.2 2.3
	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2	5.2

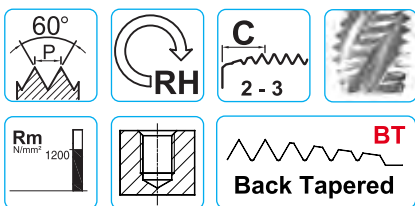
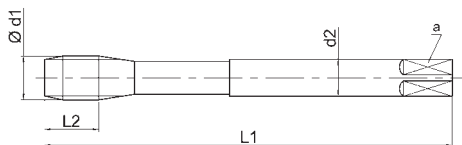
DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
8	1	90	13	6	4,9	3	7	
10	1	90	15	7	5,5	3	9	
10	1,25	100	15	7	5,5	3	8,75	
12	1	100	13	9	7	4	11	
12	1,25	100	13	9	7	4	10,75	
12	1,5	100	13	9	7	4	10,5	
14	1,5	100	15	11	9	4	12,5	
16	1,5	100	15	12	9	4	14,5	

K83MF...U	CODICE - CODE		K83MF...FOR-XP	K83MF...FOR-XP
	K83MF...XP			
*	○		*	*
*	○		*	*
*	○		*	*
*	○		*	*
*	○		*	*
*	○		*	*
*	○		*	*
*	○		*	*

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	65	65	65	65
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

MASCHI A MACCHINA MACHINE TAPS

DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



DIN 374	Ød1	P	L ₁	L ₂	d ₂	a	Z	
MF	mm	mm	mm	mm	h9	h12		
8	1	90	13	6	4,9	3	7	
10	1	90	15	7	5,5	3	9	
10	1,25	100	15	7	5,5	3	8,75	
12	1	100	13	9	7	4	11	
12	1,25	100	13	9	7	4	10,75	
12	1,5	100	13	9	7	4	10,5	
14	1,5	100	15	11	9	4	12,5	
16	1,5	100	15	12	9	4	14,5	

K81MF...HR	CODICE - CODE	
	K81MF...TXC	K81MF...FOR-TXC
*	○	○
*	○	○
*	○	○
*	○	○
*	○	○
*	○	○
*	○	○
*	○	○
*	○	○
*	○	○
*	○	○

Novità / New
Rivestimento / Coating

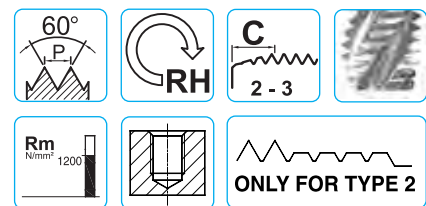
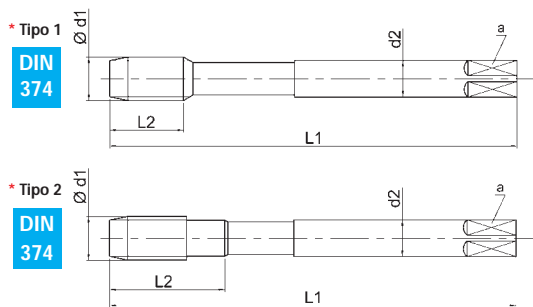


INOX

ACCIAIO INOSSIDABILE

Stainless steel

MASCHI A MACCHINA MACHINE TAPS



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	Z
	8	1	90	13	6	4,9	3	7
	10	1	90	15	7	5,5	3	9
	10	1,25	100	15	7	5,5	3	8,75
	12	1	100	13	9	7	4	11
	12	1,25	100	13	9	7	4	10,75
	12	1,5	100	13	9	7	4	10,5
	14	1,5	100	15	11	9	4	12,5
	16	1,5	100	15	12	9	4	14,5
	18	1,5	110	17	14	11	4	16,5
	20	1,5	125	17	16	12	4	18,5
	22	1,5	125	18	18	14,5	4	20,5
	24	1,5	140	20	18	14,5	4	22,5
	8	1	90	18	6	4,9	3	7
	10	1	90	15	7	5,5	3	9
	10	1,25	100	20	7	5,5	3	8,75
	12	1	100	22	9	7	4	11
	12	1,25	100	22	9	7	4	10,75
	12	1,5	100	22	9	7	4	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5

CODICE - CODE			
V83MF...TXC			
•			
○			
•			
○			
•			
•			
•			
*			
*			
*			
*			
	K83MF...X-TXC	K83MF...XFOR-TXC	
	○	○	
	○	○	
	○	○	
	○	○	
	○	○	
	○	○	
	○	○	
	○	○	

* Tipo 1: Non rastremato / Not tapered

* Tipo 2: Rastremato secondo dis:
Back tapered according picture:

Sul tipo 2 si consiglia la filettatura rigida

On type 2 we recommend Syncro rigid threading:

Confezione / Box: M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

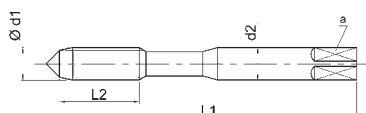
66 66 66

• Standard ○ Disponibilità da richiedere, prezzo a listino
• Standard ○ Lead time on enquiry, standard price-list

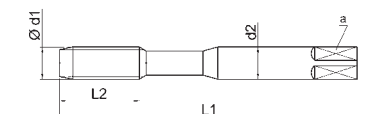
* Solo a richiesta
* Only on request

MASCHI A MACCHINA MACHINE TAPS

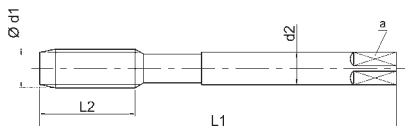
DIN 371



DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE



LINE



LINE



3xD

3xD

3xD

HSSP

HSSP

HSSP

6HX

6HX

6HX

BR

V

TiN

1.1 1.2 1.3

1.1 1.2

1.1 1.2 1.3 1.4

4.1 4.2

4.1 4.2

2.1 2.2 2.3

5.1 5.2

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	13	4,5	3,4	-	3,80
◀	5	0,5	70	13	6	4,9	-	4,80
◀	6	0,75	80	16	6	4,9	-	5,65
◀	8	0,75	90	18	8	6,2	-	7,65
◀	8	1	90	18	8	6,2	-	7,55
◀	10	1	90	15	10	8	-	9,55
◀	10	1,25	100	20	10	8	-	9,40
	8	1	90	18	8	6,2	-	7,55
	10	1	90	15	10	8	-	9,55
	10	1,25	100	20	10	8	-	9,40

P2SCMF...	CODICE - CODE	
	P2SCMF...V	P2SCMF...T
*	*	*
*	*	*
*	*	*
*	*	*
●	○	○
●	○	○
●	○	○
P2SCMF...SP	P2SCMF...SP-V	P2SCMF...SP-T
*	*	*
*	*	*
*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1	100	22	9	7	-	11,55
	12	1,25	100	22	9	7	-	11,40
	12	1,5	100	22	9	7	-	11,30
	14	1,25	100	22	11	9	-	13,45
	14	1,5	100	22	11	9	-	13,30
	16	1,5	100	22	12	9	-	15,30

P2SCMF...	CODICE - CODE	
	P2SCMF...V	P2SCMF...T
*	*	*
●	○	○
●	○	○
○	○	○
●	○	○
●	○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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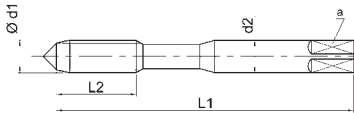
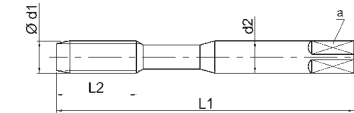
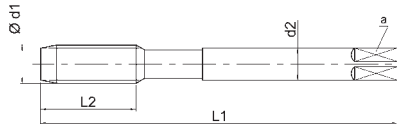
● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

P - SERIES
MASCHI A RULLARE

Roll form taps

MASCHI A MACCHINA MACHINE TAPS
DIN 371

DIN 371

DIN 374


Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

 Numero gruppi materiali
Material's groups number

LINE



LINE



LINE



3xD

HSSP

6GX

BR

1.1 1.2 1.3

4.1 4.2

3xD

HSSP

6GX

V

1.1 1.2

4.1 4.2

5.1 5.2

3xD

HSSP

6GX

TiN

1.1 1.2 1.3 1.4

2.1 2.2 2.3

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	13	4,5	3,4	-	3,80
◀	5	0,5	70	13	6	4,9	-	4,80
◀	6	0,75	80	16	6	4,9	-	5,65
◀	8	0,75	90	18	8	6,2	-	7,65
◀	8	1	90	18	8	6,2	-	7,55
◀	10	1	90	15	10	8	-	9,55
◀	10	1,25	100	20	10	8	-	9,40
	8	1	90	18	8	6,2	-	7,55
	10	1	90	15	10	8	-	9,55
	10	1,25	100	20	10	8	-	9,40

P3SCMF...	CODICE - CODE	
	P3SCMF...V	P3SCMF...T
*	*	*
*	*	*
*	*	*
*	*	*
○	○	○
○	○	○
○	○	○
P3SCMF...SP	P3SCMF...SP-V	P3SCMF...SP-T
*	*	*
*	*	*
*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1	100	22	9	7	-	11,55
	12	1,25	100	22	9	7	-	11,40
	12	1,5	100	22	9	7	-	11,30
	14	1,25	100	22	11	9	-	13,45
	14	1,5	100	22	11	9	-	13,30
	16	1,5	100	22	12	9	-	15,30

P3SCMF...	CODICE - CODE	
	P3SCMF...V	P3SCMF...T
*	*	*
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○

 Confezione / Box:
 M3 – M10: 10 pezzi / pcs
 M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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67

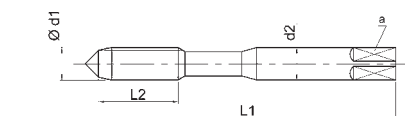
 ● Standard
● Standard

 ○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

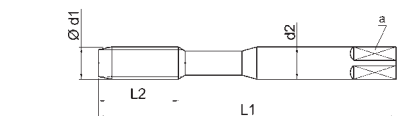
 ★ Solo a richiesta
★ Only on request

MASCHI A MACCHINA MACHINE TAPS

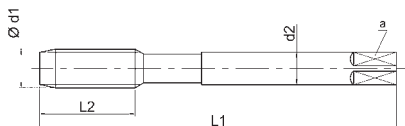
DIN 371



DIN 371



DIN 374



LINE



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

HSSP

6HX

BR

1.1 1.2 1.3

4.1 4.2

3xD

HSSP

6HX

V

1.1 1.2

4.1 4.2

5.1 5.2

3xD

HSSP

6HX

TiN

1.1 1.2 1.3 1.4

2.1 2.2 2.3

4.1 4.2 4.3

5.1 5.2

DIN 371	$\varnothing d1$ MF	P mm	L ₁	L ₂	d ₂ h ₉	a h ₁₂	Z	
◀	4	0,5	63	13	4,5	3,4	4	3,80
◀	5	0,5	70	13	6	4,9	5	4,80
◀	6	0,75	80	16	6	4,9	5	5,65
◀	8	0,75	90	18	8	6,2	5	7,65
◀	8	1	90	18	8	6,2	5	7,55
◀	10	1	90	15	10	8	5	9,55
◀	10	1,25	100	20	10	8	5	9,40
	8	1	90	18	8	6,2	5	7,55
	10	1	90	15	10	8	5	9,55
	10	1,25	100	20	10	8	5	9,40

DIN 374	$\varnothing d1$ MF	P mm	L ₁	L ₂	d ₂ h ₉	a h ₁₂	Z	
	12	1	100	22	9	7	6	11,55
	12	1,25	100	22	9	7	6	11,40
	12	1,5	100	22	9	7	6	11,30
	14	1,25	100	22	11	9	6	13,45
	14	1,5	100	22	11	9	6	13,30
	16	1,5	100	22	12	9	6	15,30
	18	1,5	110	25	14	11	6	17,30
	20	1,5	125	25	16	12	6	19,30

CODICE - CODE		
P2CCMF...	P2CCMF...V	P2CCMF...T
*	*	*
*	*	*
*	*	*
*	*	*
•	○	○
•	○	○
•	○	○
P2CCMF...SP	P2CCMF...SP-V	P2CCMF...SP-T
*	*	*
*	*	*
*	*	*

CODICE - CODE		
P2CCMF...	P2CCMF...V	P2CCMF...T
*	*	*
•	○	○
•	○	○
○	○	○
•	○	○
•	○	○
*	*	*
*	*	*

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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• Standard
• Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

* Solo a richiesta
* Only on request

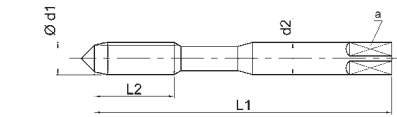
P - SERIES

MASCHI A RULLARE

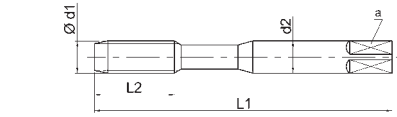
Roll form taps

MASCHI A MACCHINA MACHINE TAPS

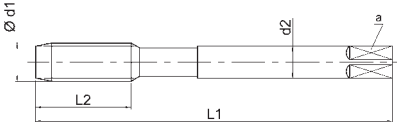
DIN 371



DIN 371



DIN 374



LINE



LINE



LINE



60° P, RH, C 2-3, SP, Rm 850, Z, cross-section diagrams.

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD

HSSP

6GX

BR

1.1 1.2 1.3

4.1 4.2

3xD

HSSP

6GX

V

1.1 1.2

4.1 4.2

5.1 5.2

3xD

HSSP

6GX

TiN

1.1 1.2 1.3 1.4

2.1 2.2 2.3

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	13	4,5	3,4	4	3,80
◀	5	0,5	70	13	6	4,9	5	4,80
◀	6	0,75	80	16	6	4,9	5	5,65
◀	8	0,75	90	18	8	6,2	5	7,65
◀	8	1	90	18	8	6,2	5	7,55
◀	10	1	90	15	10	8	5	9,55
◀	10	1,25	100	20	10	8	5	9,40
	8	1	90	18	8	6,2	5	7,55
	10	1	90	15	10	8	5	9,55
	10	1,25	100	20	10	8	5	9,40

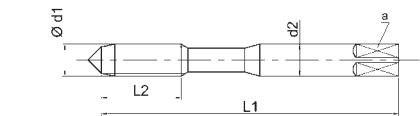
P3CCMF...	CODICE - CODE	
	P3CCMF...V	P3CCMF...T
*	*	*
*	*	*
*	*	*
○	○	○
○	○	○
○	○	○
○	○	○
P3CCMF...SP	P3CCMF...SP-V	P3CCMF...SP-T
*	*	*
*	*	*
*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1	100	22	9	7	6	11,55
	12	1,25	100	22	9	7	6	11,40
	12	1,5	100	22	9	7	6	11,30
	14	1,25	100	22	11	9	6	13,45
	14	1,5	100	22	11	9	6	13,30
	16	1,5	100	22	12	9	6	15,30
	18	1,5	110	25	14	11	6	17,30
	20	1,5	125	25	16	12	6	19,30

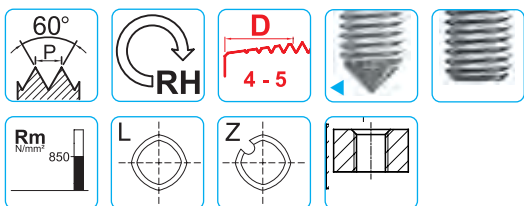
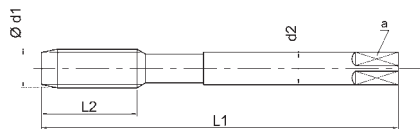
P3CCMF...	CODICE - CODE	
	P3CCMF...V	P3CCMF...T
*	*	*
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
*	*	*
*	*	*

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	68	68	68
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



3xD	3xD	3xD	3xD
HSSP	HSSP	HSSP	HSSP
6HX	6HX	6HX	6HX
BR	TiN	BR	TiN
1.1 1.2 1.3	1.1 1.2 1.3 1.4	1.1 1.2 1.3	1.1 1.2 1.3 1.4
4.1 4.2	2.1 2.2 2.3	4.1 4.2	2.1 2.2 2.3
	4.1 4.2 4.3		4.1 4.2 4.3
	5.1 5.2		5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	18	8	6,2	5	7,55
◀	10	1	90	15	10	8	5	9,55
◀	10	1,25	100	20	10	8	5	9,40

CODICE - CODE			
P2SCMF...FP	P2SCMF...FP-T	P2CCMF...FP	P2CCMF...FP-T
*	*	*	*
*	*	*	*
*	*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1	100	22	9	7	6	11,55
	12	1,5	100	22	9	7	6	11,30
	14	1,5	100	22	11	9	6	13,30
	16	1,5	100	22	12	9	6	15,30
	18	1,5	110	25	14	11	6	17,30
	20	1,5	125	25	16	12	6	19,30

CODICE - CODE			
P2SCMF...FP	P2SCMF...FP-T	P2CCMF...FP	P2CCMF...FP-T
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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69

69

● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

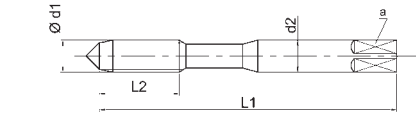
P - SERIES

MASCHI A RULLARE

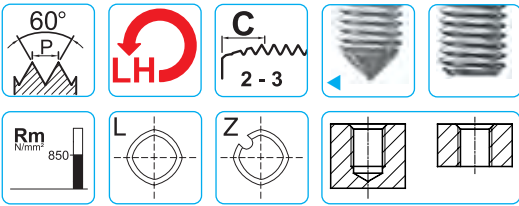
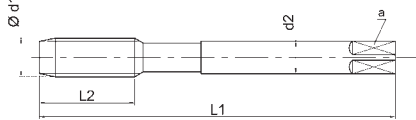
Roll form taps

MASCHI A MACCHINA, FILETTATURA SINISTRA MACHINE TAPS

DIN 371



DIN 374



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number

LINE



3xD

HSSP

6HX

BR

1.1 1.2 1.3

4.1 4.2

LINE



3xD

HSSP

6HX

TiN

1.1 1.2 1.3 1.4

2.1 2.2 2.3

4.1 4.2 4.3

5.1 5.2

LINE



3xD

HSSP

6HX

BR

1.1 1.2 1.3

4.1 4.2

LINE



3xD

HSSP

6HX

TiN

1.1 1.2 1.3 1.4

2.1 2.2 2.3

4.1 4.2 4.3

5.1 5.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	18	8	6,2	5	7,55
◀	10	1	90	15	10	8	5	9,55
◀	10	1,25	100	20	10	8	5	9,40

CODICE - CODE			
P2SCMF...LH	P2SCMF...LH-T	P2CCMF...LH	P2CCMF...LH-T
*	*	*	*
*	*	*	*
*	*	*	*

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1	100	22	9	7	6	11,55
	12	1,5	100	22	9	7	6	11,30
	14	1,5	100	22	11	9	6	13,30
	16	1,5	100	22	12	9	6	15,30
	18	1,5	110	25	14	11	6	17,30
	20	1,5	125	25	16	12	6	19,30

CODICE - CODE			
P2SCMF...LH	P2SCMF...LH-T	P2CCMF...LH	P2CCMF...LH-T
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box: M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs

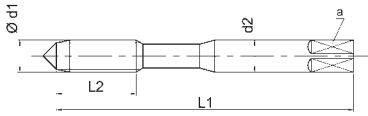
€ Pagina listino - Price list page

69 69 69 69

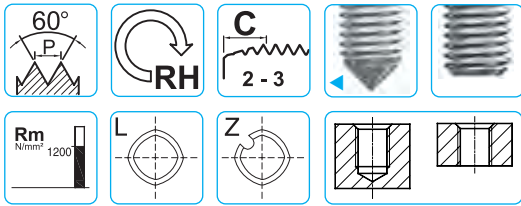
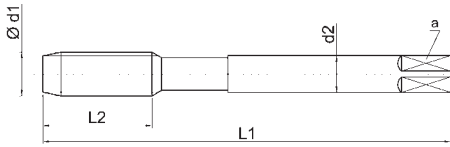
● Standard ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta

● Standard ○ Lead time on enquiry, standard price-list ★ Only on request

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



3xD	3xD	3xD	3xD
PM3	PM3	PM3	PM3
6HX	6GX	6HX	6GX
TiN-G	TiN-G	TiN-G	TiN-G
1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4
4.1 4.2 4.3	4.1 4.2 4.3	4.1 4.2 4.3	4.1 4.2 4.3
5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	4	0,5	63	13	4,5	3,4	4	3,75
◀	5	0,5	70	13	6	4,9	5	4,75
◀	6	0,75	80	16	6	4,9	5	5,65
◀	8	1	90	18	8	6,2	5	7,55
◀	10	1	90	15	10	8	5	9,55
◀	10	1,25	100	20	10	8	5	9,45

CODICE - CODE			
X2SCMF...TG	X3SCMF...TG	X2CCMF...TG	X3CCMF...TG
*	*	*	*
*	*	*	*
*	*	*	*
○	○	○	○
○	○	○	○
○	○	○	○

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1	100	22	9	7	6	11,55
	12	1,25	100	22	9	7	6	11,45
	12	1,5	100	22	9	7	6	11,30
	14	1,25	100	22	11	9	6	13,45
	14	1,5	100	22	11	9	6	13,30
	16	1,5	100	22	12	9	6	15,30

CODICE - CODE			
X2SCMF...TG	X3SCMF...TG	X2CCMF...TG	X3CCMF...TG
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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70

70

● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

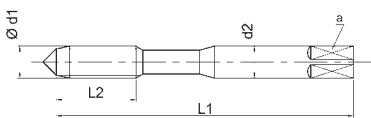
X - SERIES

MASCHI A RULLARE

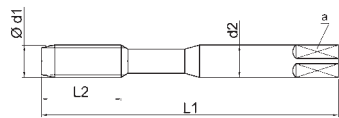
Roll form taps

MASCHI A MACCHINA MACHINE TAPS

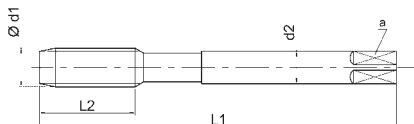
DIN 371



DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

TOP



TOP



TOP



3xD

3xD

3xD

PM3

PM3

PM3

6HX

6HX

6HX

TXC

TiN-G

TiN-G

1.1 1.2

1.1 1.2 1.3 1.4 1.5

1.1 1.2 1.3 1.4 1.5

4.1 4.2 4.3

2.1 2.2 2.3 2.4

2.1 2.2 2.3 2.4

5.1 5.2

4.1 4.2 4.3

4.1 4.2 4.3

5.1 5.2 7.1 7.2

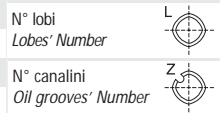
5.1 5.2 7.1 7.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	8	1	90	18	8	6,2	5	7,55
◀	10	1	90	15	10	8	5	9,55
◀	10	1,25	100	20	10	8	5	9,45
	8	1	90	18	8	6,2	5	7,55
	10	1	90	15	10	8	5	9,55
	10	1,25	100	20	10	8	5	9,45
◀	8	1	90	18	8	6,2	2	7,55
◀	10	1	90	15	10	8	2	9,55
◀	10	1,25	100	20	10	8	2	9,45

CODICE - CODE	
X2CCMF...TXC	
○	
○	
○	
	X2CCMF...FOR-TG
-	○
-	○
-	○
	X2CCMF...FORY-TG
-	★ 4L/Z2
-	★ 4L/Z2
-	★ 4L/Z2

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	12	1	100	22	9	7	6	11,55
	12	1,25	100	22	9	7	6	11,45
	12	1,5	100	22	9	7	6	11,30
	14	1,5	100	22	11	9	6	13,30
	16	1,5	100	22	12	9	6	15,30
	12	1	100	22	9	7	6	11,55
	12	1,25	100	22	9	7	6	11,45
	12	1,5	100	22	9	7	6	11,30
	14	1,5	100	22	11	9	6	13,30
	16	1,5	100	22	12	9	6	15,30

CODICE - CODE	
X2CCMF...TXC	X2CCMF...FOR-TG
○	○
○	○
○	○
○	○
○	○
	X2CCMF...FORY-TG
-	★ 6L/Z3
-	★ 6L/Z3
-	★ 6L/Z3
-	★ 6L/Z3
-	★ 6L/Z3

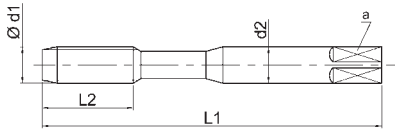


Confezione / Box:	€ Pagina listino - Price list page	70	70	70
M3 - M10: 10 pezzi / pcs M12 - M16: 5 pezzi / pcs	● Disponibile a stock ● Available in stock	○ Disponibilità da richiedere, prezzo a listino ○ Lead time on enquiry, standard price-list	○	★ Solo a richiesta ★ Only on request

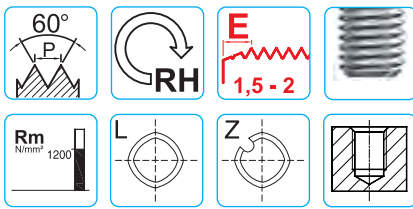
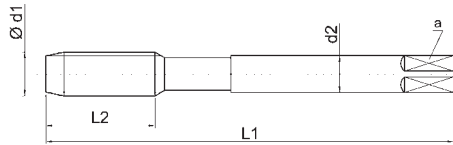
MASCHI A MACCHINA MACHINE TAPS

MF

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

TOP



TOP



TOP



3xD	3xD	3xD
PM3	PM3	PM3
6HX	6HX	6HX
TiN-G	TiN-G	TiN-G
1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4
4.1 4.2 4.3	4.1 4.2 4.3	4.1 4.2 4.3
5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2

DIN 371	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
8	1	90	18	8	6,2	5	7,55	
10	1	90	15	10	8	5	9,55	
10	1,25	100	20	10	8	5	9,45	

CODICE - CODE		
X2SCEMF...TG	X2CCEMF...TG	X2CCEMF...FOR-TG
○	○	○
○	○	○
○	○	○

DIN 374	Ød1 MF	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
12	1	100	22	9	7	6	11,55	
12	1,25	100	22	9	7	6	11,45	
12	1,5	100	22	9	7	6	11,30	
14	1,5	100	22	11	9	6	13,30	
16	1,5	100	22	12	9	6	15,30	

CODICE - CODE		
X2SCEMF...TG	X2CCEMF...TG	X2CCEMF...FOR-TG
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○

Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs	€ Pagina listino - Price list page	71	71	71
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

UNI 5870 - ISO 1502

LINE

MF

Calibri a tampone filettati passa / non passa

Thread plug gauges go/no-go



Tolleranza - Tolerance

6H

Trattamento superficiale - Surface treatment

BR

Ød1 MF	P mm	CODICE - CODE P-NPMF...
4	0,5	○
5	0,5	○
6	0,75	○
7	0,75	○
8	0,75	○
8	1	○
9	1	○
10	0,75	○
10	1	○
10	1,25	○
12	1	○
12	1,25	○
12	1,5	○
14	1	○
14	1,25	○
14	1,5	○
16	1	○
16	1,5	○
18	1	○
18	1,5	○
18	2	○
20	1	○
20	1,5	○
20	2	○
22	1	○
22	1,5	○
24	1	○
24	1,5	○
24	2	○
25	1	○
25	1,5	○
25	2	○
26	1,5	○
26	2	○

Segue diametri
Diameters, to be continued

Pag. 148

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

108

- Standard
- Standard

- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request

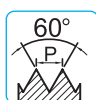
CALIBRI FILETTATI THREAD GAUGES

UNI 5870 - ISO 1502

LINE

Calibri a tampone filettati passa / non passa

Thread plug gauges go/no-go



Tolleranza - Tolerance

6H

Trattamento superficiale - Surface treatment

BR

Ød1 MF	P mm	CODICE - CODE P-NPMF...
27	1	○
27	1,5	○
28	1,5	○
28	2	○
30	1	○
30	1,5	○
30	2	○
32	1	○
32	1,5	○
32	2	○
33	2	○
35	1,5	○
35	2	○
36	1,5	○
36	2	○
36	3	○
38	1,5	○
39	2	○
40	1,5	○
40	2	○
40	3	○
42	1,5	○
42	2	○
42	3	○
45	1,5	○
45	2	○
45	3	○
48	1,5	○
48	2	○
48	3	○
50	1,5	○
50	2	○
50	3	○

Confezione / Box:

M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

108

★ Solo a richiesta
★ Only on request

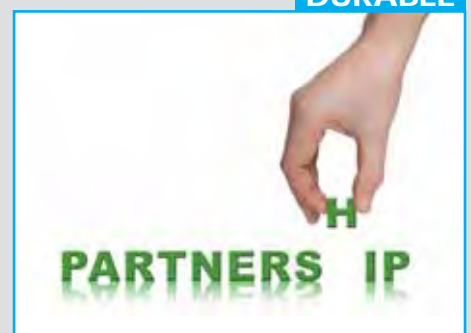
UNC

UNC



Partner certo per collaborazioni serie e durature
Partner for a reliable and lasting cooperation

DURABLE

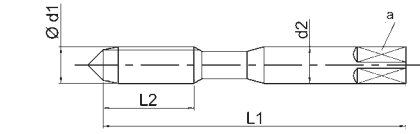


MASCHI A MANO HAND TAPS

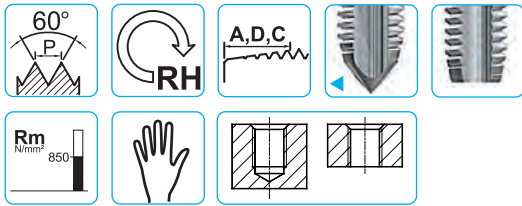
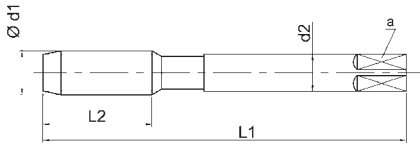
N

USO GENERALE
General purpose

DIN 352



DIN 352



LINE

LINE

LINE

LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2xD	2xD	2xD	2xD
HSS	HSS	HSS	HSS
-	-	2B	2B
BR	BR	BR	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

DIN 352	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
6	32	3,505	45	10	4	3	3	2,85	
8	32	4,166	45	11	4,5	3,4	3	3,5	
10	24	4,826	50	13	6	4,9	3	3,9	
12	24	5,486	56	15	6	4,9	3	4,5	
1/4	20	6,350	56	16	6	4,9	3	5,1	
5/16	18	7,938	63	19	6	4,9	3	6,6	
3/8	16	9,525	70	22	7	5,5	3	8	
7/16	14	11,113	70	22	8	6,2	3	9,4	
1/2	13	12,700	75	28	9	7	3	10,8	
9/16	12	14,288	80	30	11	9	4	12,2	
5/8	11	15,875	80	30	12	9	4	13,5	
3/4	10	19,050	95	34	14	11	4	16,5	
7/8	9	22,225	100	34	18	14,5	4	19,5	
1"	8	25,400	110	38	18	14,5	4	22,25	
1 1/8	7	28,575	125	45	22	18	4	25	
1 1/4	7	31,750	125	45	22	18	4	28	
1 3/8	6	34,925	150	55	28	22	4	30,75	
1 1/2	6	38,100	150	55	28	22	4	34	
1 3/4	5	44,450	160	60	36	29	5	39,5	
2"	4 1/2	50,800	180	65	40	32	6	45	

CODICE - CODE			
01UNC...	02UNC...	03UNC...	00UNC...
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	●
*	*	○	●
*	*	○	●
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○
*	*	○	○

Confezione / Box:
Singole / Single

€ Pagina listino - Price list page

72

72

72

72

● Standard
● Standard

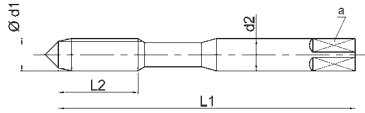
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

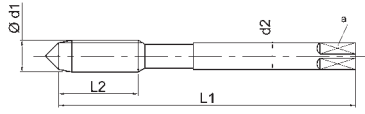
N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

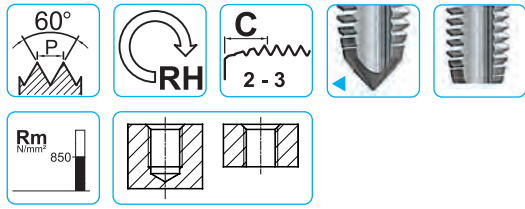
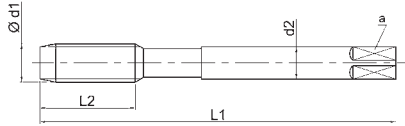
DIN 371



DIN 376



DIN 376



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

1,5xD	1,5xD
HSSE	HSSE
2B	2B
BR	TiN
1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
8.2	8.2

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	12	24	5,486	80	16	6	4,9	3	4,5
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
◀	5/16	18	7,938	90	18	8	6,2	3	6,6
◀	3/8	16	9,525	100	20	10	8	3	8

CODICE - CODE	
E20UNC...	E20UNC...T
●	○
●	○
●	○
○	○
●	○
*	*
*	*

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	1/4	20	6,350	80	16	4,5	3,4	3	5,1
◀	5/16	18	7,938	90	18	6	4,9	3	6,6
◀	3/8	16	9,525	100	20	7	5,5	3	8
	7/16	14	11,113	100	20	8	6,2	3	9,4
	1/2	13	12,700	110	25	9	7	3	10,8
	9/16	12	14,288	110	28	11	9	3	12,2
	5/8	11	15,875	110	28	12	9	3	13,5
	3/4	10	19,050	125	32	14	11	4	16,5
	7/8	9	22,225	140	32	18	14,5	4	19,5
	1"	8	25,400	160	36	18	14,5	4	22,25
	1"1/8	7	28,575	180	46	22	18	4	25
	1"1/4	7	31,750	180	46	22	18	4	28
	1"3/8	6	34,925	200	50	28	22	4	30,75
	1"1/2	6	38,100	200	50	28	22	4	34
■	1"3/4	5	44,450	220	60	36	29	5	39,5
■	2"	4 1/2	50,800	250	65	40	32	6	45

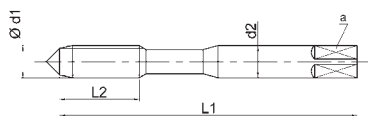
CODICE - CODE	
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●	○
●	○
●	○
○	○
●	○
●	○
○	○
●	○
○	○
○	*
○	*
○	*
○	*
*	*
*	*

■ = Acciaio HSS / HSS Steel

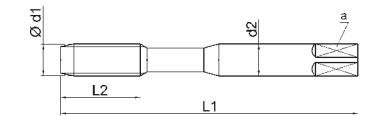
Confezione / Box: Singole / Single € Pagina listino - Price list page **72** **73**
 ● Standard ○ Disponibilità da richiedere, prezzo a listino * Solo a richiesta
 ● Standard ○ Lead time on enquiry, standard price-list * Only on request

MASCHI A MACCHINA MACHINE TAPS

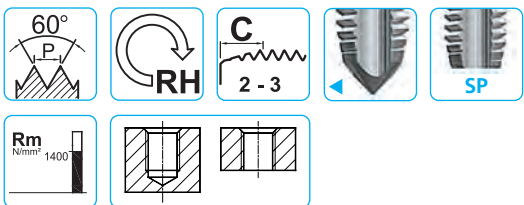
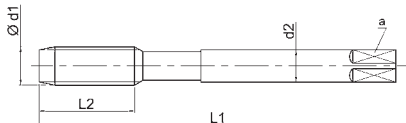
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment

3XD	3xD	3xD	3,5xD
HSSE	HSSE	PM3	PM3
2BX	2BX	2BX	2BX
NQ	NS	TiAlN	TiAlN
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3	4.4 5.3 5.4	4.4 5.3 5.4
8.2 10.1	8.2 10.1	10.1	10.1

Al Si>10%,
 Ottone / Brass
 Bronzo / and Bronze
 a truciolo corto / with short chip

Numero gruppi materiali
 Material's groups number

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	12	24	5,486	80	16	6	4,9	3	4,5
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
◀	1/4	20	6,350	80	16	7	5,5	4	5,1
	5/16	18	7,938	90	18	8	6,2	4	6,6
	3/8	16	9,525	100	20	10	8	4	8
	1/4	20	6,350	80	16	7	5,5	3	5,1
	1/4	20	6,350	80	16	7	5,5	4	5,1

CODICE - CODE			
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*	○	-	-
*	●	-	-
*	○	-	-
*	●	-	-
-	-	○	-
-	-	○	-
-	-	○	-
E26UNC...SP-NQ	E26UNC...SP-NS	K26UNC...SP-TX	K26UNC...FOR-TX
*	○	-	-
-	-	○	*

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	5/16	18	7,938	90	18	6	4,9	4	6,6
◀	3/8	16	9,525	100	20	7	5,5	4	8
	7/16	14	11,113	100	20	8	6,2	4	9,4
	1/2	13	12,700	110	25	9	7	4	10,8
	9/16	12	14,288	110	28	11	9	4	12,2
	5/8	11	15,875	110	28	12	9	4	13,5
	3/4	10	19,050	125	32	14	11	4	16,5
	7/8	9	22,225	140	32	18	14,5	4	19,5
	1"	8	25,400	160	36	18	14,5	4	22,25
	3/4	10	19,050	125	32	14	11	5	16,5
	7/8	9	22,225	140	32	18	14,5	5	19,5
	1"	8	25,400	160	36	18	14,5	5	22,25

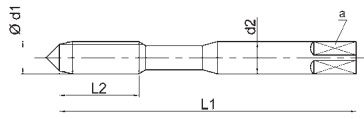
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*	●	○	*
*	○	○	*
*	○	○	*
*	○	-	-
*	○	-	-
*	○	-	-
		○	*
		○	*
		○	*

N

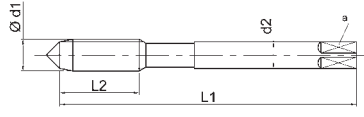
USO GENERALE

General purpose

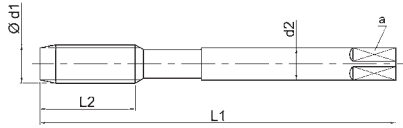
DIN 371



DIN 376



DIN 376



LINE



LINE



LINE



LINE



UNC

- Profondità di filettatura - Thread depth
- Materiale - Material
- Tolleranza - Tolerance
- Trattamento superficiale - Surface treatment

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
2B	2B	2B	2B
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

Numero gruppi materiali
Material's groups number

DIN 371	$\varnothing d1$ UNC	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	12	24	5,486	80	16	6	4,9	3	4,5
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
◀	5/16	18	7,938	90	18	8	6,2	3	6,6
◀	3/8	16	9,525	100	20	10	8	3	8

CODICE - CODE			
E24UNC...	E24UNC...V	E24UNC...T	E24UNC...XP
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
*	*	*	*
*	*	*	*

DIN 376	$\varnothing d1$ UNC	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	1/4	20	6,350	80	16	4,5	3,4	3	5,1
◀	5/16	18	7,938	90	18	6	4,9	3	6,6
◀	3/8	16	9,525	100	20	7	5,5	3	8
	7/16	14	11,113	100	20	8	6,2	3	9,4
	1/2	13	12,700	110	25	9	7	3	10,8
	9/16	12	14,288	110	28	11	9	3	12,2
	5/8	11	15,875	110	28	12	9	3	13,5
	3/4	10	19,050	125	32	14	11	4	16,5
	7/8	9	22,225	140	32	18	14,5	4	19,5
	1"	8	25,400	160	36	18	14,5	4	22,25
	1"1/8	7	28,575	180	46	22	18	4	25
	1"1/4	7	31,750	180	46	22	18	4	28
	1"3/8	6	34,925	200	50	28	22	4	30,75
	1"1/2	6	38,100	200	50	28	22	4	34
■	1"3/4	5	44,450	220	60	36	29	5	39,5
■	2"	4 1/2	50,800	250	65	40	32	6	45

CODICE - CODE			
E25UNC...	E25UNC...V	E25UNC...T	E25UNC...XP
○	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
*	*	*	*
*	*	*	*

■ = Acciaio HSS / HSS Steel

Confezione / Box:

6 - 7/16: 10 pezzi / pcs

1/2 - 9/16: 5 pezzi / pcs

Oltre / up: singoli / single pcs

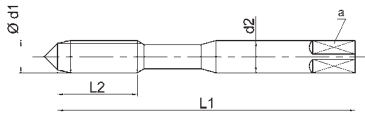
€ Pagina listino - Price list page

- Standard
- Standard

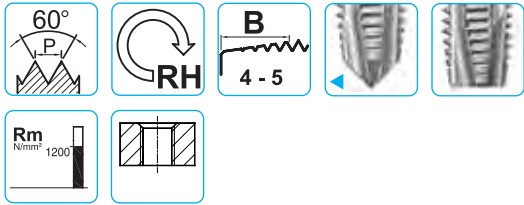
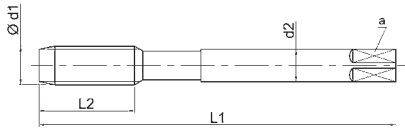
- 74
- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- 74
- * Solo a richiesta
- * Only on request

DIN 371



DIN 376



- Profondità di filettatura - Thread depth
- Materiale - Material
- Tolleranza - Tolerance
- Trattamento superficiale - Surface treatment
- Numero gruppi materiali
Material's groups number

3xD	3xD	3xD
PM3	PM3	PM3
2BX	2BX	2BX
BR	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2	2.1 2.2 2.3	2.1 2.2 2.3
5.1 5.2	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2

DIN 371	$\varnothing d1$ UNC	P TPI	\varnothing mm	L ₁	L ₂	d ₂ h ₉	a h ₁₂	Z	
◀	4	40	2,845	56	10	3,5	2,7	3	2,35
◀	5	40	3,175	56	10	3,5	2,7	3	2,65
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
◀	5/16	18	7,938	90	18	8	6,2	3	6,6
◀	3/8	16	9,525	100	20	10	8	3	8

K24UNC...U	CODICE - CODE	
	K24UNC...XP	K24UNC...FORY-XP
*	*	-
*	*	-
*	*	-
*	*	-
*	*	-
*	○	*
*	○	*
*	○	*

DIN 376	$\varnothing d1$ UNC	P TPI	\varnothing mm	L ₁	L ₂	d ₂ h ₉	a h ₁₂	Z	
	7/16	14	11,113	100	20	8	6,2	3	9,4
	1/2	13	12,700	110	25	9	7	4	10,8
	9/16	12	14,288	110	28	11	9	4	12,2
	5/8	11	15,875	110	28	12	9	4	13,5
	3/4	10	19,050	125	32	14	11	4	16,5
	7/8	9	22,225	140	32	18	14,5	4	19,5
	1"	8	25,400	160	36	18	14,5	4	22,25

K25UNC...U	CODICE - CODE	
	K25UNC...XP	K25UNC...FORY-XP
*	○	*
*	○	*
*	○	*
*	○	*
*	*	*
*	*	*
*	*	*

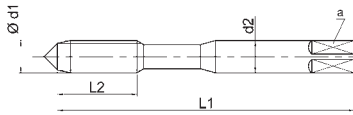
INOX

ACCIAIO INOSSIDABILE

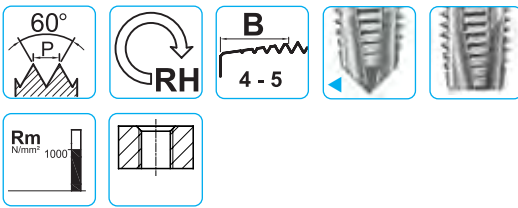
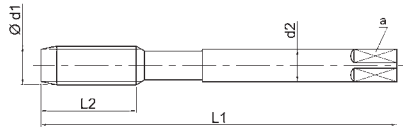
Stainless steel

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 376



Profondità di filettatura - Thread depth	3xD
Materiale - Material	HSSV3
Tolleranza - Tolerance	2BX
Trattamento superficiale - Surface treatment	TXC
Numero gruppi materiali Material's groups number	1.3 1.4 1.5
	2.1 2.2 2.3 2.4

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
◀	5/16	18	7,938	90	18	8	6,2	3	6,6
◀	3/8	16	9,525	100	20	10	8	3	8

V24UNC...TXC		CODICE - CODE	
*			
*			
*			
○			
○			
○			

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	7/16	14	11,113	100	20	8	6,2	3	9,4
	1/2	13	12,700	110	25	9	7	3	10,8
	9/16	12	14,288	110	28	11	9	4	12,2
	5/8	11	15,875	110	28	12	9	4	13,5
	3/4	10	19,050	125	32	14	11	4	16,5
	7/8	9	22,225	140	32	18	14,5	4	19,5
	1"	8	25,400	160	36	18	14,5	4	22,25

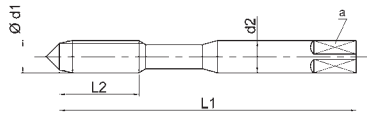
V25UNC...TXC		CODICE - CODE	
○			
○			
○			
○			
*			
*			
*			

MASCHI A MACCHINA MACHINE TAPS

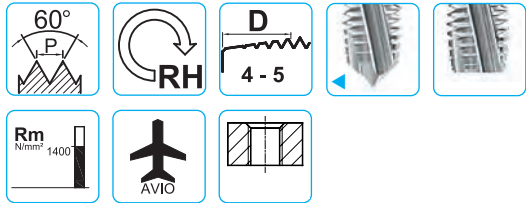
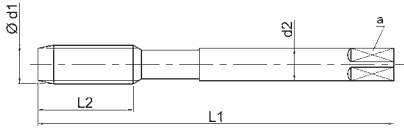
Ti

TITANIO
Titanium

DIN
371



DIN
376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



3xD

3xD

3xD

PM3

PM3

PM3

2BX

2BX

3BX

V

TiCN

V

6.1	1.6 2.4	6.1
	3.3 3.4	
	4.4 5.3 5.4 6.2 6.3	
	7.2 9.2	

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	*2,85
◀	8	32	4,166	63	13	4,5	3,4	3	*3,5
◀	10	24	4,826	70	13	6	4,9	3	*3,9
◀	1/4	20	6,350	80	16	7	5,5	3	*5,1
◀	5/16	18	7,938	90	18	8	6,2	3	*6,6
◀	3/8	16	9,525	100	20	10	8	3	*8

K52UNC...V	CODICE - CODE	
	K52UNC...CT	K52UNC...V-3BX
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/2	13	12,700	110	25	9	7	3	*10,8
	5/8	11	15,875	110	28	12	9	3	*13,5
	3/4	10	19,050	125	32	14	11	4	*16,5

K53UNC...V	CODICE - CODE	
	K53UNC...CT	K53UNC...V-3BX
*	*	*
*	*	*
*	*	*

* Per UNJC vedi tabella di foratura pag. 254

* Drills' diameters for UNJC: table page 254

Confezione / Box.
6 – 7/16: 10 pezzi / pcs
1/2 – 9/16: 5 pezzi / pcs
Oltre / up: singoli / single pcs

€ Pagina listino - Price list page

75

75

76

● Standard

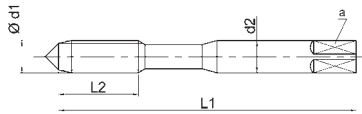
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

* Solo a richiesta
* Only on request

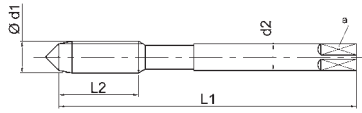
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

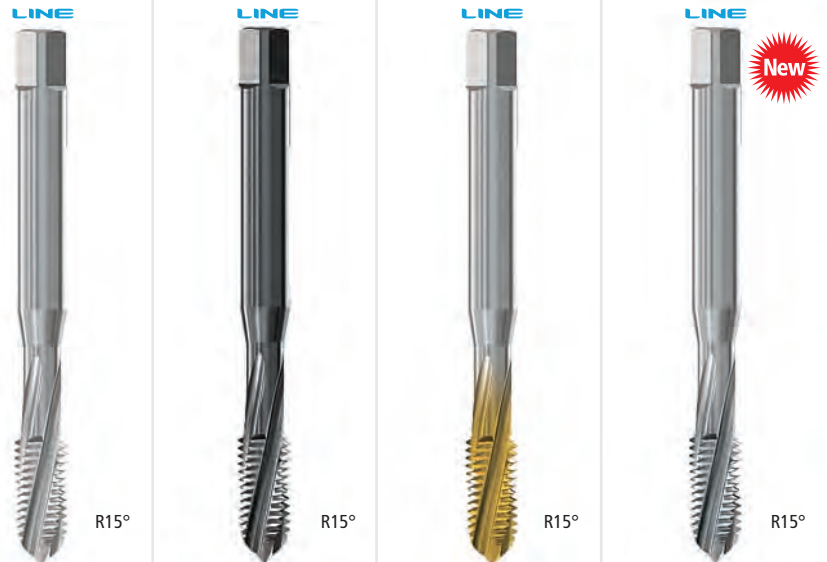
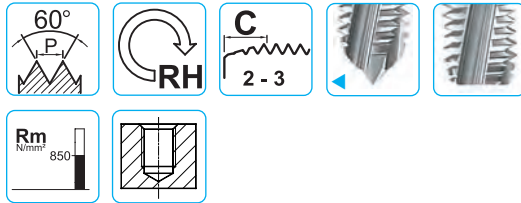
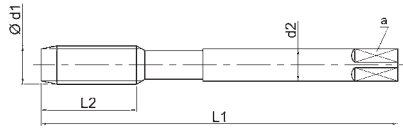
DIN 371



DIN 376



DIN 376



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment
Numero gruppi materiali
Material's groups number

1,5xD	1,5xD	1,5xD	1,5xD
HSSE	HSSE	HSSE	HSSE
2B	2B	2B	2B
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	12	24	5,486	80	16	6	4,9	3	4,5
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
◀	5/16	18	7,938	90	18	8	6,2	3	6,6
◀	3/8	16	9,525	100	20	10	8	3	8

CODICE - CODE			
E40UNC...	E40UNC...V	E40UNC...T	E40UNC...XP
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
*	*	*	*
*	*	*	*

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	1/4	20	6,350	80	16	4,5	3,4	3	5,1
◀	5/16	18	7,938	90	18	6	4,9	3	6,6
◀	3/8	16	9,525	100	20	7	5,5	3	8
	7/16	14	11,113	100	20	8	6,2	3	9,4
	1/2	13	12,700	110	25	9	7	3	10,8
	9/16	12	14,288	110	28	11	9	3	12,2
	5/8	11	15,875	110	28	12	9	3	13,5
	3/4	10	19,050	125	32	14	11	4	16,5
	7/8	9	22,225	140	32	18	14,5	4	19,5
	1"	8	25,400	160	36	18	14,5	4	22,25
	1 1/8	7	28,575	180	46	22	18	4	25
	1 1/4	7	31,750	180	46	22	18	4	28
	1 3/8	6	34,925	200	50	28	22	4	30,75
	1 1/2	6	38,100	200	50	28	22	4	34
■	1 3/4	5	44,450	220	60	36	29	5	39,5
■	2"	4 1/2	50,800	250	65	40	32	6	45

CODICE - CODE			
E41UNC...	E41UNC...V	E41UNC...T	E41UNC...XP
○	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	*	*	*
○	*	*	*
○	*	*	*
●	*	*	*
*	*	*	*
*	*	*	*

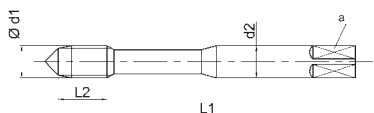
■ = Acciaio HSS / HSS Steel
 Confezione / Box:
 6 - 7/16: 10 pezzi / pcs
 1/2 - 9/16: 5 pezzi / pcs
 Oltre / up: singoli / single pcs

€ Pagina listino - Price list page

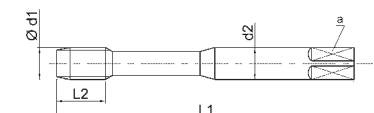
76	76	76	77
● Standard	○ Disponibilità da richiedere, prezzo a listino	* Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list	* Only on request	

MASCHI A MACCHINA MACHINE TAPS

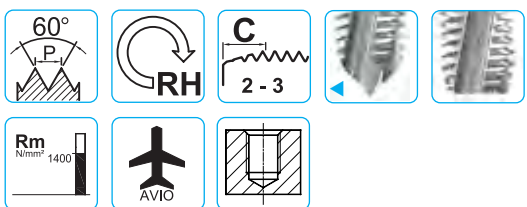
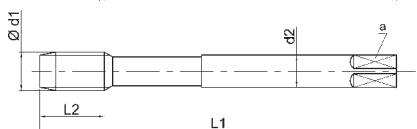
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number

1,5xD	1,5xD	1,5xD
PM3	PM3	PM3
2BX	2BX	3BX
BR	BR	BR
6.1	1.6 2.4	6.1
	3.3 3.4	
	4.4 5.3 5.4 6.2 6.3	
	7.2 9.2	

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	7	4	3	3	*2,85
◀	8	32	4,166	63	7	4,5	3,4	3	*3,5
◀	10	24	4,826	70	8	6	4,9	3	*3,9
◀	1/4	20	6,350	80	10	7	5,5	3	*5,1
	5/16	18	7,938	90	13	8	6,2	3	*6,6
	3/8	16	9,525	100	15	10	8	3	*8

CODICE - CODE		
K42UNC...V	K42UNC...CT	K42UNC...V-3BX
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/2	13	12,700	110	18	9	7	4	*10,8
	5/8	11	15,875	110	20	12	9	4	*13,5
	3/4	10	19,050	125	25	14	11	4	*16,5

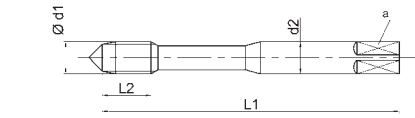
CODICE - CODE		
K43UNC...V	K43UNC...CT	K43UNC...V-3BX
*	*	*
*	*	*
*	*	*

* Per UNJC vedi tabella di foratura pag. 254
 * Drills' diameters for UNJC: table page 254

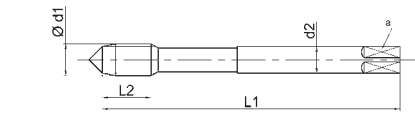
N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

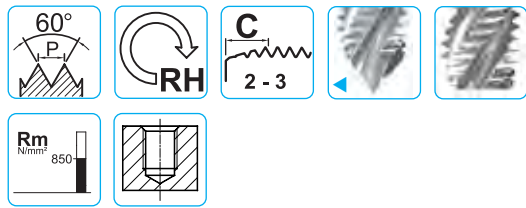
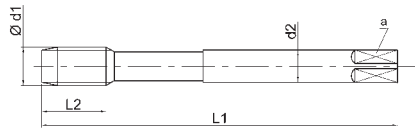
DIN 371



DIN 376



DIN 376



Profondità di filettatura - Thread depth	2,5xD	2,5xD	2,5xD	2,5xD
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	2B	2B	2B	2B
Trattamento superficiale - Surface treatment	BR	V	TiN	XP
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
	5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	12	24	5,486	80	16	6	4,9	3	4,5
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
	5/16	18	7,938	90	18	8	6,2	3	6,6
	3/8	16	9,525	100	20	10	8	3	8

E60UNC...	CODICE - CODE		
	E60UNC...V	E60UNC...T	E60UNC...XP
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
*	*	*	*
*	*	*	*

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	1/4	20	6,350	80	10	4,5	3,4	3	5,1
	5/16	18	7,938	90	13	6	4,9	3	6,6
	3/8	16	9,525	100	15	7	5,5	3	8
	7/16	14	11,113	100	15	8	6,2	3	9,4
	1/2	13	12,700	110	18	9	7	3	10,8
	9/16	12	14,288	110	20	11	9	4	12,2
	5/8	11	15,875	110	20	12	9	4	13,5
	3/4	10	19,050	125	25	14	11	4	16,5
	7/8	9	22,225	140	25	18	14,5	4	19,5
	1"	8	25,400	160	30	18	14,5	4	22,25
	1 1/8	7	28,575	180	35	22	18	4	25
	1 1/4	7	31,750	180	35	22	18	4	28
	1 3/8	6	34,925	200	40	28	22	4	30,75
	1 1/2	6	38,100	200	40	28	22	4	34

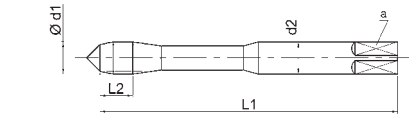
E61UNC...	CODICE - CODE		
	E61UNC...V	E61UNC...T	E61UNC...XP
○	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	*	*	*
●	*	*	*
○	*	*	*
●	*	*	*

Confezione / Box: 6 - 7/16: 10 pezzi / pcs 1/2 - 9/16: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	77	78	78	78
● Standard	○ Disponibilità da richiedere, prezzo a listino			*	Solo a richiesta
● Standard	○ Lead time on enquiry, standard price-list			*	Only on request

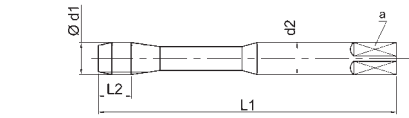
MASCHI A MACCHINA MACHINE TAPS

U APPLICAZIONI UNIVERSALI R ≤ 1200 N/mm² Universal Applications R ≤ 1200 N/mm²

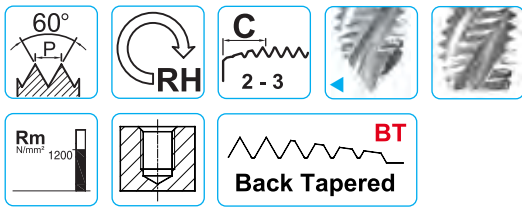
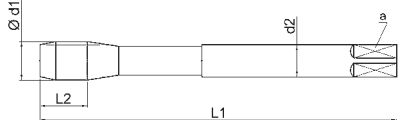
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD	3xD	3,5xD	3,5xD
PM3	PM3	PM3	PM3
2BX	2BX	2BX	2BX
BR	XP	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.2 5.2	2.1 2.2 2.3	2.1 2.2 2.3	2.1 2.2 2.3
	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2	5.2

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
4	40	2,845	56	5	3,5	2,7	3	2,35	
5	40	3,175	56	5	3,5	2,7	3	2,65	
6	32	3,505	56	7	4	3	3	2,85	
8	32	4,166	63	7	4,5	3,4	3	3,5	
10	24	4,826	70	8	6	4,9	3	3,9	
1/4	20	6,350	80	10	7	5,5	3	5,1	
5/16	18	7,938	90	13	8	6,2	3	6,6	
3/8	16	9,525	100	15	10	8	3	8	

K82UNC...U	CODICE - CODE		
	K82UNC...XP	K82UNC...FOR-XP	K82UNC...FOR-XP
*	*	-	-
*	*	-	-
*	*	-	-
*	*	-	-
*	*	-	-
*	○	○	*
*	○	○	*
*	○	○	*

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
7/16	14	11,113	100	15	8	6,2	3	9,4	
1/2	13	12,700	110	18	9	7	3	10,8	
9/16	12	14,288	110	20	11	9	4	12,2	
5/8	11	15,875	110	20	12	9	4	13,5	
3/4	10	19,050	125	25	14	11	4	16,5	
7/8	9	22,225	140	25	18	14,5	4	19,5	
1"	8	25,400	160	30	18	14,5	4	22,25	

K83UNC...U	CODICE - CODE		
	K83UNC...XP	K83UNC...FOR-XP	K83UNC...FOR-XP
*	○	○	*
*	○	○	*
*	○	○	*
*	○	○	*
*	*	*	*
*	*	*	*
*	*	*	*

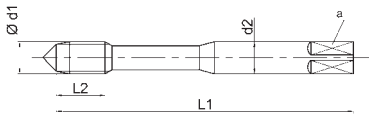
INOX

ACCIAIO INOSSIDABILE

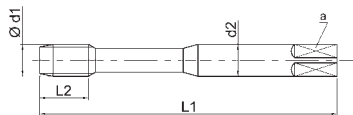
Stainless steel

MASCHI A MACCHINA MACHINE TAPS

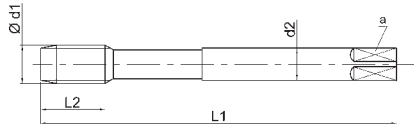
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth

3,5xD

Materiale - Material

HSSV3

Tolleranza - Tolerance

2BX

Trattamento superficiale - Surface treatment

TXC

Numero gruppi materiali
Material's groups number

1.3 1.4 1.5

2.1 2.2 2.3 2.4

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	32	3,505	56	11	4	3	3	2,85
◀	8	32	4,166	63	13	4,5	3,4	3	3,5
◀	10	24	4,826	70	13	6	4,9	3	3,9
◀	1/4	20	6,350	80	16	7	5,5	3	5,1
	5/16	18	7,938	90	18	8	6,2	3	6,6
	3/8	16	9,525	100	20	10	8	3	8

CODICE - CODE	
V82UNC...TXC	
*	
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*	
○	
○	
○	

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	7/16	14	11,113	100	20	8	6,2	3	9,4
	1/2	13	12,700	110	25	9	7	3	10,8
	9/16	12	14,288	110	28	11	9	4	12,2
	5/8	11	15,875	110	28	12	9	4	13,5
	3/4	10	19,050	125	32	14	11	4	16,5
	7/8	9	22,225	140	32	18	14,5	4	19,5
	1"	8	25,400	160	36	18	14,5	4	22,25

CODICE - CODE	
V83UNC...TXC	
○	
○	
○	
○	
*	
*	
*	

Confezione / Box:
6 - 7/16: 10 pezzi / pcs
1/2 - 9/16: 5 pezzi / pcs
Oltre / up: singoli / single pcs

€ Pagina listino - Price list page

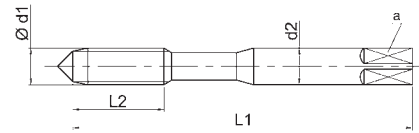
79

- Standard
- Standard

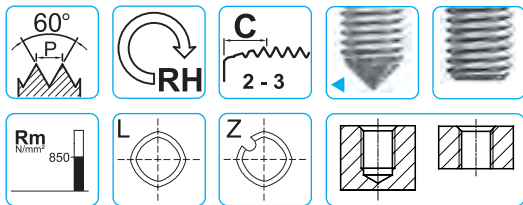
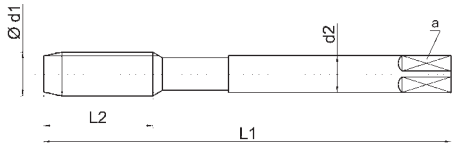
- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request

DIN 371



DIN 376



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number



3xD	3xD	3xD	3xD
HSSP	HSSP	HSSP	HSSP
2BX	2BX	2BX	2BX
BR	TiN	BR	TiN
1.1 1.2 1.3	1.1 1.2 1.3 1.4	1.1 1.2 1.3	1.1 1.2 1.3 1.4
4.1 4.2	2.1 2.2 2.3	4.1 4.2	2.1 2.2 2.3
	4.1 4.2 4.3		4.1 4.2 4.3
	5.1 5.2		5.1 5.2

DIN 371	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h ₉	a h ₁₂	Z	
◀	6	32	3,505	56	11	4	3	2	3,15
◀	8	32	4,166	63	13	4,5	3,4	4	3,8
◀	10	24	4,826	70	13	6	4,9	4	4,3
◀	12	24	5,486	80	16	6	4,9	5	5
◀	1/4	20	6,350	80	16	7	5,5	5	5,75
◀	5/16	18	7,938	90	18	8	6,2	5	7,25
◀	3/8	16	9,525	100	20	10	8	5	8,75

CODICE - CODE			
P2SCUNC...	P2SCUNC...T	P2CCUNC...	P2CCUNC...T
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

DIN 376	Ød1 UNC	P TPI	Ø mm	L ₁	L ₂	d ₂ h ₉	a h ₁₂	Z	
	7/16	14	11,113	100	20	8	6,2	5	10,3
	1/2	13	12,700	110	25	9	7	5	11,8
	9/16	12	14,288	110	28	11	9	6	13,3
	5/8	11	15,875	110	28	12	9	6	14,8
	3/4	10	19,050	125	32	14	11	6	17,9

CODICE - CODE			
P2SCUNC...	P2SCUNC...T	P2CCUNC...	P2CCUNC...T
○	○	○	○
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*	*	*	*
*	*	*	*



UNF



UNF

Costruiamo utensili per filettare dal 1947
We have been manufacturing threading tools since 1947

EXPERIENCE



1955

UNF

Filettatura americana UNF passo fine ASME B1.1

UNF fine thread ASME B1.1

Unified-Feingewinde UNF ASME B1.1 – Handgewindebohrer

Filetage américain à pas fin UNF – Tarauds à main

Rosca fina UNF ASME B1.1 – Machos de roscar a mano

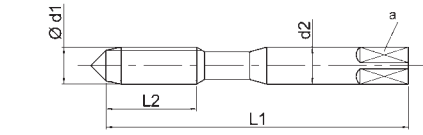


MASCHI A MANO HAND TAPS

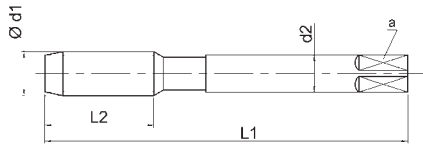
N

USO GENERALE
General purpose

DIN
2181



DIN
2181



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

LINE

LINE

LINE



A
5-6



C
2-3



2xD

2xD

2xD

HSS

HSS

HSS

-

2B

2B

BR

BR

BR

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

2.1 2.2 2.3 3.1 3.4

2.1 2.2 2.3 3.1 3.4

2.1 2.2 2.3 3.1 3.4

4.1 4.2 4.3 4.4

4.1 4.2 4.3 4.4

4.1 4.2 4.3 4.4

5.1 5.2 5.3

5.1 5.2 5.3

5.1 5.2 5.3

DIN 2181	$\varnothing d1$ UNF	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	6	40	3,505	45	10	4	3	3	2,95
◀	8	36	4,166	45	11	4,5	3,4	3	3,5
◀	10	32	4,826	50	13	6	4,9	3	4,1
◀	12	28	5,486	56	15	6	4,9	3	4,6
◀	1/4	28	6,350	56	15	6	4,9	3	5,5
	5/16	24	7,938	63	19	6	4,9	3	6,9
	3/8	24	9,525	63	19	7	5,5	3	8,5
	7/16	20	11,113	70	22	8	6,2	3	9,9
	1/2	20	12,700	70	22	9	7	4	11,5
	9/16	18	14,288	70	22	11	9	4	12,9
	5/8	18	15,875	70	22	12	9	4	14,5
	3/4	16	19,050	80	22	14	11	4	17,5
	7/8	14	22,225	80	22	18	14,5	4	20,4
	1"	12	25,400	90	22	18	14,5	4	23,25
	1 1/8	12	28,575	90	22	22	18	4	26,5
	1 1/4	12	31,750	90	22	22	18	5	29,5
	1 3/8	12	34,925	125	30	28	22	5	32,75
	1 1/2	12	38,100	125	30	28	22	6	36

CODICE - CODE

01UNF...

03UNF...

00UNF...

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Confezione: Singola
Box: Single

€ Pagina listino - Price list page

81

81

81

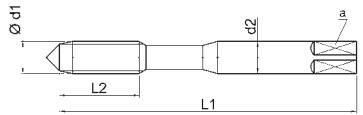
● Standard
● Standard

◊ Disponibilità da richiedere, prezzo a listino
◊ Lead time on enquiry, standard price-list

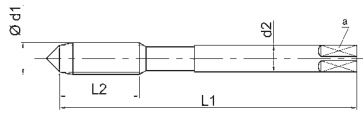
★ Solo a richiesta
★ Only on request

N **USO GENERALE**
General purpose

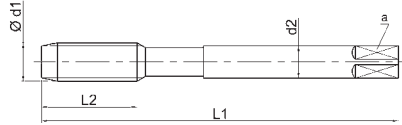
DIN 371



DIN 374



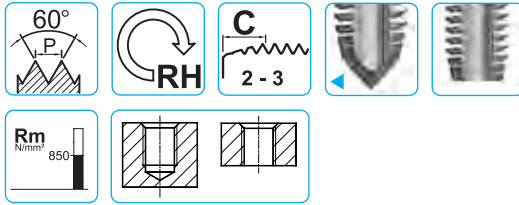
DIN 374



LINE



LINE



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment

1,5xD	1,5xD
HSSE	HSSE
2B	2B
BR	TiN
1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
8.2	8.2

Numero gruppi materiali
Material's groups number

DIN 371	$\varnothing d1$ UNF	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	6	40	3,505	56	11	4	3	3	2,95
◀	8	36	4,166	63	13	4,5	3,4	3	3,5
◀	10	32	4,826	70	13	6	4,9	3	4,1
◀	12	28	5,486	80	16	6	4,9	3	4,6
◀	1/4	28	6,350	80	16	7	5,5	3	5,5

CODICE - CODE	
E20UNF...	E20UNF...T
•	○
•	○
•	○
○	○
•	○

DIN 374	$\varnothing d1$ UNF	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	1/4	28	6,350	80	16	4,5	3,4	3	5,5
◀	5/16	24	7,938	90	18	6	4,9	3	6,9
◀	3/8	24	9,525	90	15	7	5,5	3	8,5
	7/16	20	11,113	100	20	8	6,2	3	9,9
	1/2	20	12,700	100	20	9	7	3	11,5
	9/16	18	14,288	100	22	11	9	4	12,9
	5/8	18	15,875	100	22	12	9	4	14,5
	3/4	16	19,050	110	25	14	11	4	17,5
	7/8	14	22,225	125	25	18	14,5	4	20,4
	1"	12	25,400	140	28	18	14,5	4	23,25
	1"1/8	12	28,575	150	28	22	18	4	26,5
	1"1/4	12	31,750	150	28	22	18	5	29,5
	1"3/8	12	34,925	170	30	28	22	5	32,75
	1"1/2	12	38,100	170	30	28	22	6	36

CODICE - CODE	
E21UNF...	E21UNF...T
○	○
•	○
•	○
•	○
•	○
○	○
•	○
•	○
○	○
•	○
•	○
○	•
•	•
○	•
•	•

Confezione / Box: 6 - 7/16: 10 pezzi / pcs
 1/2 - 9/16: 5 pezzi / pcs
 Oltre / up: singoli / single pcs

€ Pagina listino - Price list page

82	82	• Standard	○ Disponibilità da richiedere, prezzo a listino	★ Solo a richiesta
		• Standard	○ Lead time on enquiry, standard price-list	★ Only on request

UNF

Filettatura americana UNF passo fine ASME B1.1

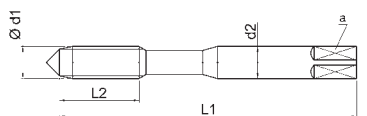
UNF fine thread ASME B1.1
 Unified-Feingewinde UNF ASME B1.1 – Maschinengewindebohrer
 Filetage américain à pas fin UNF – Tarauds machine
 Rosca fina UNF ASME B1.1 – Machos de roscar a máquina



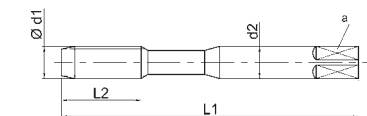
GG GHISA
 Cast Iron

MASCHI A MACCHINA MACHINE TAPS

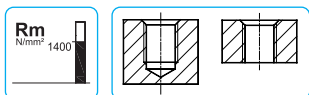
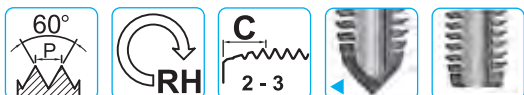
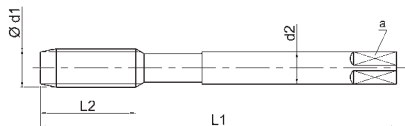
DIN 371



DIN 374



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Al Si > 10%,
 Ottone / Brass
 Bronzo / and Bronze
 a truciolo corto / with short chip

Numero gruppi materiali
 Material's groups number



3xD	3xD	3xD	3,5xD
HSSE	HSSE	PM3	PM3
2BX	2BX	2BX	2BX
NQ	NS	TiAIN	TiAIN
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3	4.4 5.3 5.4	4.4 5.3 5.4
8.2 10.1	8.2 10.1	10.1	10.1

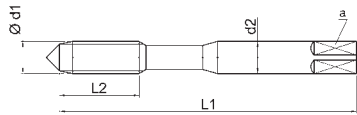
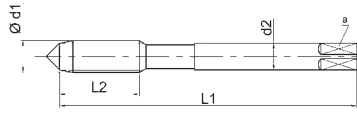
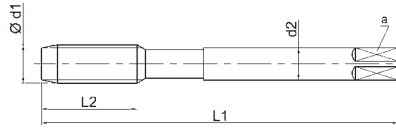
DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
6	40	3,505	56	11	4	3	3	2,95	Icon
8	36	4,166	63	13	4,5	3,4	3	3,5	Icon
10	32	4,826	70	13	6	4,9	3	4,1	Icon
12	28	5,486	80	16	6	4,9	3	4,6	Icon
1/4	28	6,350	80	16	7	5,5	3	5,5	Icon
1/4	28	6,350	80	16	7	5,5	4	5,5	Icon
1/4	28	6,350	80	16	7	5,5	4	5,5	Icon

CODICE - CODE			
E26UNF...NQ	E26UNF...NS	K26UNF...TX	
*	○	-	
*	○	-	
*	●	-	
*	○	-	
*	●	-	
-	-	*	
-	-	-	K26UNF...FOR-TX
-	-	-	*

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
1/4	28	6,350	80	16	4,5	3,4	3	5,5	Icon
5/16	24	7,938	90	18	6	4,9	4	6,9	Icon
3/8	24	9,525	90	15	7	5,5	4	8,5	Icon
7/16	20	11,113	100	20	8	6,2	4	9,9	Icon
1/2	20	12,700	100	20	9	7	4	11,5	Icon
9/16	18	14,288	100	22	11	9	4	12,9	Icon
5/8	18	15,875	100	22	12	9	4	14,5	Icon
3/4	16	19,050	110	25	14	11	4	17,5	Icon
7/8	14	22,225	125	25	18	14,5	4	20,4	Icon
1"	12	25,400	140	28	18	14,5	4	23,25	Icon
3/4	16	19,050	110	25	14	11	5	17,5	Icon
7/8	14	22,225	125	25	18	14,5	6	20,4	Icon
1"	12	25,400	140	28	18	14,5	6	23,25	Icon

CODICE - CODE			
E27UNF...NQ	E27UNF...NS	K27UNF...TX	K27UNF...FOR-TX
*	*	*	*
*	●	*	*
*	●	*	*
*	●	*	*
*	○	*	*
*	○	*	*
*	○	-	-
*	○	-	-
*	○	-	-
-	-	*	*
-	-	*	*
-	-	*	*

Confezione / Box: 6 - 7/16: 10 pezzi / pcs 1/2 - 9/16: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	82	82	82	83
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

N **USO GENERALE**
General purpose
DIN 371

DIN 374

DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
2B	2B	2B	2B
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
◀	6	40	3,505	56	11	4	3	3	2,95
◀	8	36	4,166	63	13	4,5	3,4	3	3,5
◀	10	32	4,826	70	13	6	4,9	3	4,1
◀	12	28	5,486	80	16	6	4,9	3	4,6
◀	1/4	28	6,350	80	16	7	5,5	3	5,5

CODICE - CODE			
E24UNF...	E24UNF...V	E24UNF...T	E24UNF...XP
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
◀	1/4	28	6,350	80	16	4,5	3,4	3	5,5
◀	5/16	24	7,938	90	18	6	4,9	3	6,9
◀	3/8	24	9,525	90	15	7	5,5	3	8,5
	7/16	20	11,113	100	20	8	6,2	3	9,9
	1/2	20	12,700	100	20	9	7	3	11,5
	9/16	18	14,288	100	22	11	9	4	12,9
	5/8	18	15,875	100	22	12	9	4	14,5
	3/4	16	19,050	110	25	14	11	4	17,5
	7/8	14	22,225	125	25	18	14,5	4	20,4
	1"	12	25,400	140	28	18	14,5	4	23,25
	1 1/8"	12	28,575	150	28	22	18	4	26,5
	1 1/4"	12	31,750	150	28	22	18	5	29,5
	1 3/8"	12	34,925	170	30	28	22	5	32,75
	1 1/2"	12	38,100	170	30	28	22	6	36

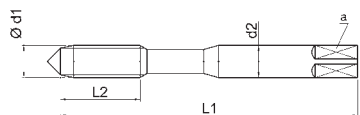
CODICE - CODE			
E25UNF...	E25UNF...V	E25UNF...T	E25UNF...XP
○	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	*	*	*
●	*	*	*
○	*	*	*
●	*	*	*

Confezione / Box: 6 - 7/16: 10 pezzi / pcs 1/2 - 9/16: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	83	83	83	83
● Standard	○ Disponibilità da richiedere, prezzo a listino	○	○	○	○
● Standard	○ Lead time on enquiry, standard price-list	○	○	○	○
		★ Solo a richiesta	★ Solo a richiesta	★ Solo a richiesta	★ Solo a richiesta
		★ Only on request	★ Only on request	★ Only on request	★ Only on request

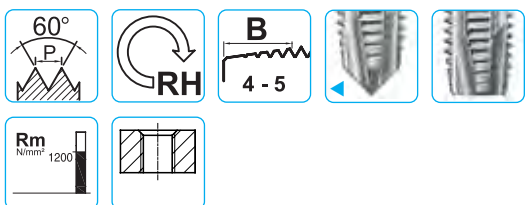
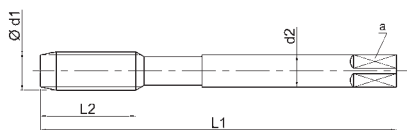
MASCHI A MACCHINA MACHINE TAPS

U APPLICAZIONI UNIVERSALI R ≤ 1200 N/mm² Universal Applications R ≤ 1200 N/mm²

DIN 371



DIN 374



Profondità di filettatura - Thread depth	3xD
Materiale - Material	PM3
Tolleranza - Tolerance	2BX
Trattamento superficiale - Surface treatment	BR
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4

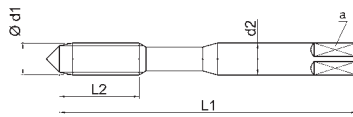
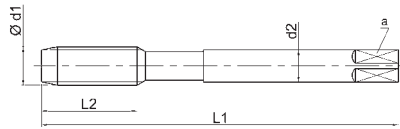
3xD	3xD	3xD
PM3	PM3	PM3
2BX	2BX	2BX
BR	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2	2.1 2.2 2.3	2.1 2.2 2.3
5.1 5.2	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
4	48	2,845	56	10	3,5	2,7	3	2,4	
6	40	3,505	56	11	4	3	3	2,95	
8	36	4,166	63	13	4,5	3,4	3	3,5	
10	32	4,826	70	13	6	4,9	3	4,1	
1/4	28	6,350	80	16	7	5,5	3	5,5	

K24UNF...U	CODICE - CODE	
	K24UNF...XP	K24UNF...FORY-XP
*	*	-
*	*	-
*	*	-
*	*	-
*	o	*

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
5/16	24	7,938	90	18	6	4,9	3	6,9	
3/8	24	9,525	90	15	7	5,5	3	8,5	
7/16	20	11,113	100	20	8	6,2	3	9,9	
1/2	20	12,700	100	20	9	7	4	11,5	
9/16	18	14,288	100	22	11	9	4	12,9	
5/8	18	15,875	100	22	12	9	4	14,5	
3/4	16	19,050	110	25	14	11	4	17,5	
7/8	14	22,225	125	25	18	14,5	4	20,4	
1"	12	25,400	140	28	18	14,5	4	23,25	

K25UNF...U	CODICE - CODE	
	K25UNF...XP	K25UNF...FORY-XP
*	o	*
*	o	*
*	o	*
*	o	*
*	o	*
*	o	*
*	*	*
*	*	*
*	*	*

INOX
ACCIAIO INOSSIDABILE
Stainless steel
MASCHI A MACCHINA MACHINE TAPS
DIN 371

DIN 374

TOP


Profondità di filettatura - Thread depth

3xD

Materiale - Material

HSSV3

Tolleranza - Tolerance

2BX

Trattamento superficiale - Surface treatment

TXC

 Numero gruppi materiali
 Material's groups number

1.3 1.4 1.5
2.1 2.2 2.3 2.4

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	40	3,505	56	11	4	3	3	2,95
◀	8	36	4,166	63	13	4,5	3,4	3	3,5
◀	10	32	4,826	70	13	6	4,9	3	4,1
◀	1/4	28	6,350	80	16	7	5,5	3	5,5

CODICE - CODE	
V24UNF...TXC	
*	
*	
*	
o	

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	5/16	24	7,938	90	18	6	4,9	3	6,9
	3/8	24	9,525	90	15	7	5,5	3	8,5
	7/16	20	11,113	100	20	8	6,2	3	9,9
	1/2	20	12,700	100	20	9	7	4	11,5
	9/16	18	14,288	100	22	11	9	4	12,9
	5/8	18	15,875	100	22	12	9	4	14,5
	3/4	16	19,050	110	25	14	11	4	17,5
	7/8	14	22,225	125	25	18	14,5	4	20,4
	1"	12	25,400	140	28	18	14,5	4	23,25

CODICE - CODE	
V25UNF...TXC	
o	
o	
o	
o	
o	
o	
*	
*	
*	

 Confezione / Box:
 6 - 7/16: 10 pezzi / pcs
 1/2 - 9/16: 5 pezzi / pcs
 Oltre / up: singoli / single pcs

€ Pagina listino - Price list page

84

- Standard
- Standard

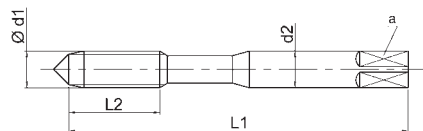
- o Disponibilità da richiedere, prezzo a listino
- o Lead time on enquiry, standard price-list

- * Solo a richiesta
- * Only on request

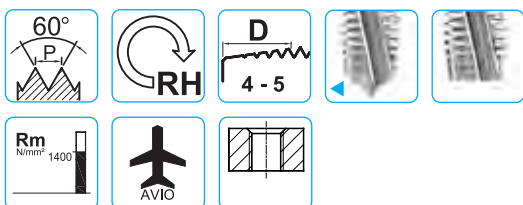
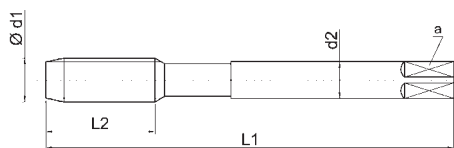
MASCHI A MACCHINA MACHINE TAPS

Ti TITANIO
 Titanium

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number

3xD	3xD	3xD
PM3	PM3	PM3
2BX	2BX	3BX
V	TiCN	V
6.1	1.6 2.4	6.1
	3.3 3.4	
	4.4 5.3 5.4 6.2 6.3	
	7.2 9.2	

DIN 371	$\varnothing d1$	P	\varnothing	L_1	L_2	d_2	a	Z	
	UNF	TPI	mm			h9	h12		
6	40	3,505	56	11	4	3	3	*2,95	
8	36	4,166	63	13	4,5	3,4	3	*3,5	
10	32	4,826	70	13	6	4,9	3	*4,1	
1/4	28	6,350	80	16	7	5,5	3	*5,5	
5/16	24	7,938	90	18	8	6,2	3	*6,9	
3/8	24	9,525	100	20	10	8	3	*8,5	

CODICE - CODE		
K52UNF...V	K52UNF...CT	K52UNF...V-3BX
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*

DIN 374	$\varnothing d1$	P	\varnothing	L_1	L_2	d_2	a	Z	
	UNF	TPI	mm			h9	h12		
7/16	20	11,113	100	20	8	6,2	3	*9,9	
1/2	20	12,700	100	20	9	7	3	*11,5	
5/8	18	15,875	100	22	12	9	3	*14,5	
3/4	16	19,050	110	25	14	11	4	*17,5	

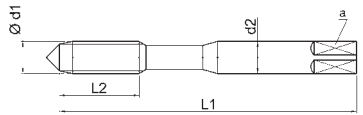
CODICE - CODE		
K53UNF...V	K53UNF...CT	K53UNC...V-3BX
*	*	*
*	*	*
*	*	*
*	*	*

* Per UNFJ vedi tabella di foratura pag. 255
 * Drills' diameters for UNFJ: table page 255

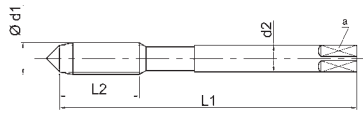
N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

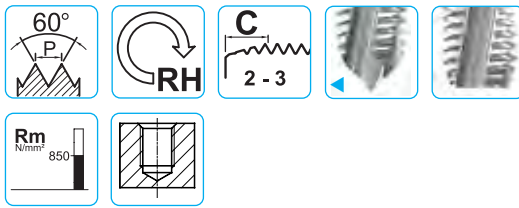
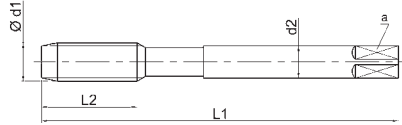
DIN 371



DIN 374



DIN 374



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

1,5xD	1,5xD	1,5xD	1,5xD
HSSE	HSSE	HSSE	HSSE
2B	2B	2B	2B
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
◀	6	40	3,505	56	11	4	3	3	2,95
◀	8	36	4,166	63	13	4,5	3,4	3	3,5
◀	10	32	4,826	70	13	6	4,9	3	4,1
◀	12	28	5,486	80	16	6	4,9	3	4,6
◀	1/4	28	6,350	80	16	7	5,5	3	5,5

CODICE - CODE			
E40UNF...	E40UNF...V	E40UNF...T	E40UNF...XP
●	○	○	★
●	○	○	★
●	○	○	★
○	○	○	★
●	○	○	★

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
◀	1/4	28	6,350	80	16	4,5	3,4	3	5,5
◀	5/16	24	7,938	90	18	6	4,9	3	6,9
◀	3/8	24	9,525	90	15	7	5,5	3	8,5
	7/16	20	11,113	100	20	8	6,2	3	9,9
	1/2	20	12,700	100	20	9	7	3	11,5
	9/16	18	14,288	100	22	11	9	3	12,9
	5/8	18	15,875	100	22	12	9	3	14,5
	3/4	16	19,050	110	25	14	11	4	17,5
	7/8	14	22,225	125	25	18	14,5	4	20,4
	1"	12	25,400	140	28	18	14,5	4	23,25
	1"1/8	12	28,575	150	28	22	18	4	26,5
	1"1/4	12	31,750	150	28	22	18	5	29,5
	1"3/8	12	34,925	170	30	28	22	5	32,75
	1"1/2	12	38,100	170	30	28	22	6	36

CODICE - CODE			
E41UNF...	E41UNF...V	E41UNF...T	E41UNF...XP
○	○	○	★
●	○	○	★
●	○	○	★
●	○	○	★
●	○	○	★
○	○	○	★
●	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	★	★	★
●	★	★	★
○	★	★	★
●	★	★	★

Confezione / Box: 6 - 7/16: 10 pezzi / pcs 1/2 - 9/16: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	85	85	85	85
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request	

UNF

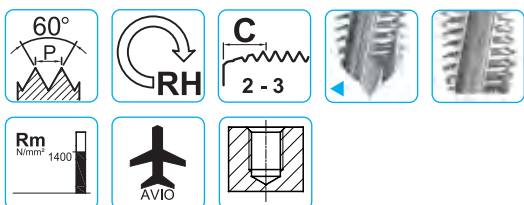
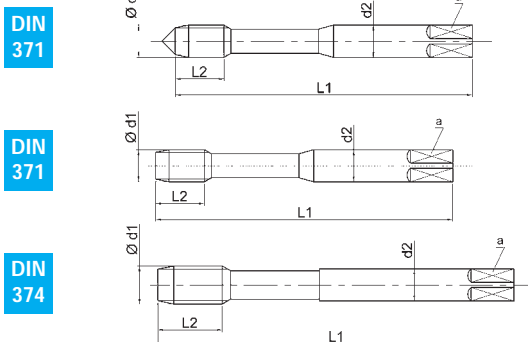
Filettatura americana UNF passo fine ASME B1.1

UNF fine thread ASME B1.1
 Unified-Feingewinde UNF ASME B1.1 – Maschinengewindebohrer
 Filetage américain à pas fin UNF – Tarauds machine
 Rosca fina UNF ASME B1.1 – Machos de roscar a máquina



MASCHI A MACCHINA MACHINE TAPS

Ti TITANIO
 Titanium



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number

1,5xD	1,5xD	1,5xD
PM3	PM3	PM3
2BX	2BX	3BX
V	TiCN	V
6.1	1.6 2.4	6.1
	3.3 3.4	
	4.4 5.3 5.4 6.2 6.3	
	7.2 9.2	

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
◀	6	40	3,505	56	7	4	3	3	*2,95
◀	8	36	4,166	63	7	4,5	3,4	3	*3,5
◀	10	32	4,826	70	8	6	4,9	3	*4,1
◀	1/4	28	6,350	80	10	7	5,5	3	*5,5
	5/16	24	7,938	90	13	8	6,2	3	*6,9
	3/8	24	9,525	100	15	10	8	3	*8,5

CODICE - CODE		
K42UNF...V	K42UNF...CT	K42UNF...V-3BX
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*
○	○	*

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	Icon
	7/16	20	11,113	100	15	8	6,2	3	*9,9
	1/2	20	12,700	100	13	9	7	4	*11,5
	5/8	18	15,875	100	15	12	9	4	*14,5
	3/4	16	19,050	110	17	14	11	4	*17,5

CODICE - CODE		
K43UNF...V	K43UNF...CT	K43UNF...V-3BX
*	*	*
*	*	*
*	*	*
*	*	*

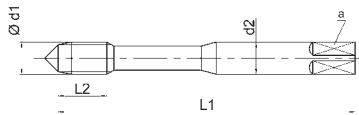
* Per UNFJ vedi tabella di foratura pag. 255
 * Drills' diameters for UNFJ: table page 255

Confezione / Box: 6 – 7/16: 10 pezzi / pcs 1/2 – 9/16: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	86	86	86
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta ★ Only on request	

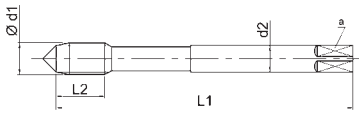
N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

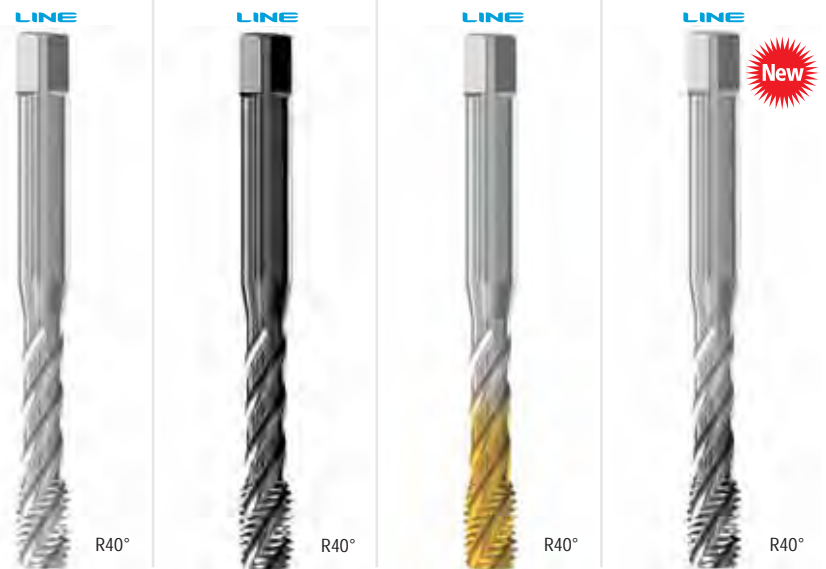
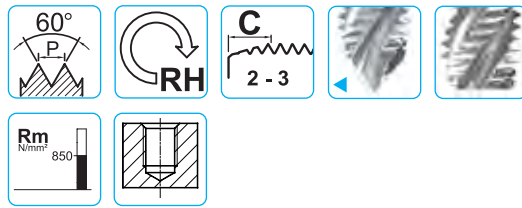
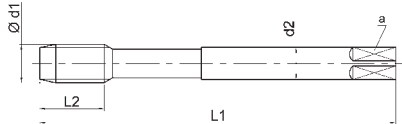
DIN 371



DIN 374



DIN 374



Profondità di filettatura - Thread depth	1,5xD	1,5xD	1,5xD	1,5xD
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	2B	2B	2B	2B
Trattamento superficiale - Surface treatment	BR	V	TiN	XP
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
	5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	40	3,505	56	7	4	3	3	2,95
◀	8	36	4,166	63	7	4,5	3,4	3	3,5
◀	10	32	4,826	70	8	6	4,9	3	4,1
◀	12	28	5,486	80	10	6	4,9	3	4,6
◀	1/4	28	6,350	80	10	7	5,5	3	5,5

E60UNF...	CODICE - CODE		
	E60UNF...V	E60UNF...T	E60UNF...XP
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	1/4	28	6,350	80	10	4,5	3,4	3	5,5
	5/16	24	7,938	90	13	6	4,9	3	6,9
	3/8	24	9,525	90	15	7	5,5	3	8,5
	7/16	20	11,113	100	15	8	6,2	3	9,9
	1/2	20	12,700	100	13	9	7	3	11,5
	9/16	18	14,288	100	15	11	9	4	12,9
	5/8	18	15,875	100	15	12	9	4	14,5
	3/4	16	19,050	110	17	14	11	4	17,5
	7/8	14	22,225	125	18	18	14,5	4	20,4
	1"	12	25,400	140	22	18	14,5	4	23,25
	1 1/8	12	28,575	150	22	22	18	4	26,5
	1 1/4	12	31,750	150	22	22	18	5	29,5
	1 3/8	12	34,925	170	24	28	22	5	32,75
	1 1/2	12	38,100	170	24	28	22	6	36

E61UNF...	CODICE - CODE		
	E61UNF...V	E61UNF...T	E61UNF...XP
○	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	○	○	○
●	○	○	○
○	*	*	*
●	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box: 6 - 7/16: 10 pezzi / pcs 1/2 - 9/16: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	86	86	86	87
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

UNF

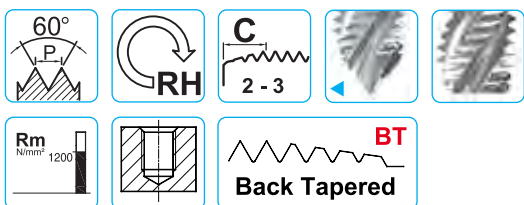
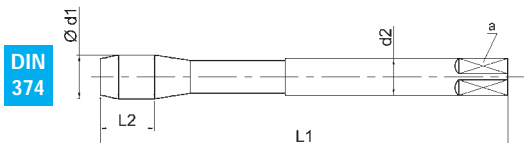
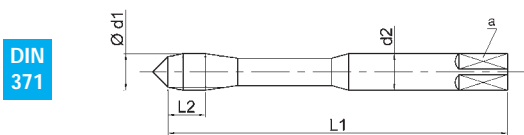
Filettatura americana UNF passo fine ASME B1.1

UNF fine thread ASME B1.1
 Unified-Feingewinde UNF ASME B1.1 – Maschinengewindebohrer
 Filetage américain à pas fin UNF – Tarauds machine
 Rosca fina UNF ASME B1.1 – Machos de roscar a máquina



MASCHI A MACCHINA MACHINE TAPS

U APPLICAZIONI UNIVERSALI R ≤ 1200 N/mm² Universal Applications R ≤ 1200 N/mm²



Profondità di filettatura - Thread depth	
Materiale - Material	
Tolleranza - Tolerance	
Trattamento superficiale - Surface treatment	
Numero gruppi materiali Material's groups number	

3xD	3xD	3,5xD	3,5xD
PM3	PM3	PM3	PM3
2BX	2BX	2BX	2BX
BR	XP	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.2 5.2	2.1 2.2 2.3	2.1 2.2 2.3	2.1 2.2 2.3
	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2	5.2

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
4	48	2,845	56	5	3,5	2,7	3	2,4	
6	40	3,505	56	7	4	3	3	2,95	
8	36	4,166	63	7	4,5	3,4	3	3,5	
10	32	4,826	70	8	6	4,9	3	4,1	
1/4	28	6,350	80	10	7	5,5	3	5,5	

K82UNF...U	CODICE - CODE		
	K82UNF...XP	K82UNF...FOR-XP	K82UNF...FOR-XP
*	*	-	-
*	*	-	-
*	*	-	-
*	*	-	-
*	o	*	*

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
5/16	24	7,938	90	13	6	4,9	3	6,9	
3/8	24	9,525	90	15	7	5,5	3	8,5	
7/16	20	11,113	100	15	8	6,2	3	9,9	
1/2	20	12,700	100	13	9	7	4	11,5	
9/16	18	14,288	100	15	11	9	4	12,9	
5/8	18	15,875	100	15	12	9	4	14,5	
3/4	16	19,050	110	17	14	11	4	17,5	
7/8	14	22,225	125	18	18	14,5	4	20,4	
1"	12	25,400	140	22	18	14,5	4	23,25	

K83UNF...U	CODICE - CODE		
	K83UNF...XP	K83UNF...FOR-XP	K83UNF...FOR-XP
*	o	*	*
*	o	*	*
*	o	*	*
*	o	*	*
*	o	*	*
*	o	*	*
*	o	*	*
*	o	*	*

Confezione / Box: 6 – 7/16: 10 pezzi / pcs 1/2 – 9/16: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	87	87	87	87
● Standard	○ Disponibilità da richiedere, prezzo a listino	○	○	○	○
● Standard	○ Lead time on enquiry, standard price-list	○	○	○	○
	★ Solo a richiesta	★	★	★	★
	★ Only on request	★	★	★	★

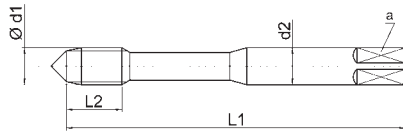
INOX

ACCIAIO INOSSIDABILE

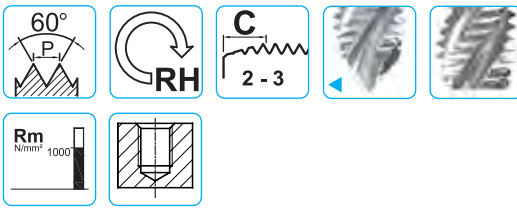
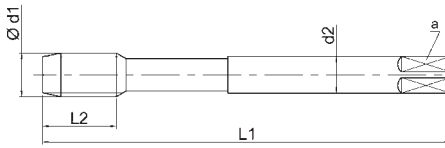
Stainless steel

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



Profondità di filettatura - Thread depth	3,5xD
Materiale - Material	HSSV3
Tolleranza - Tolerance	2BX
Trattamento superficiale - Surface treatment	TXC
Numero gruppi materiali Material's groups number	1.3 1.4 1.5
	2.1 2.2 2.3 2.4

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	40	3,505	56	7	4	3	3	2,95
◀	8	36	4,166	63	7	4,5	3,4	3	3,5
◀	10	32	4,826	70	8	6	4,9	3	4,1
◀	1/4	28	6,350	80	10	7	5,5	3	5,5

CODICE - CODE	
V82UNF...TXC	
*	
*	
*	
o	

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	5/16	24	7,938	90	13	6	4,9	3	6,9
	3/8	24	9,525	90	15	7	5,5	3	8,5
	7/16	20	11,113	100	15	8	6,2	3	9,9
	1/2	20	12,700	100	13	9	7	4	11,5
	9/16	18	14,288	100	15	11	9	4	12,9
	5/8	18	15,875	100	15	12	9	4	14,5
	3/4	16	19,050	110	17	14	11	4	17,5
	7/8	14	22,225	125	18	18	14,5	4	20,4
	1"	12	25,400	140	22	18	14,5	4	23,25

CODICE - CODE	
V83UNF...TXC	
o	
o	
o	
o	
o	
*	
*	
*	

UNF

Filettatura americana UNF passo fine ASME B1.1

UNF fine thread ASME B1.1
 Unified-Feingewinde UNF ASME B1.1 – Maschinengewindebohrer
 Filetage américain à pas fin UNF – Tarauds machine
 Rosca fina UNF ASME B1.1 – Machos de roscar a máquina



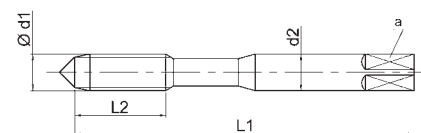
P - SERIES

MASCHI A RULLARE

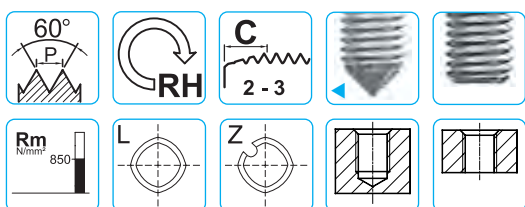
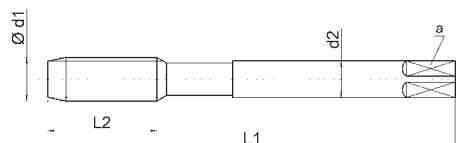
Roll form taps

MASCHI A MACCHINA MACHINE TAPS

DIN 371



DIN 374



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number



3xD	3xD	3xD	3xD
HSSP	HSSP	HSSP	HSSP
2BX	2BX	2BX	2BX
BR	TiN	BR	TiN
1.1 1.2 1.3	1.1 1.2 1.3 1.4	1.1 1.2 1.3	1.1 1.2 1.3 1.4
4.1 4.2	2.1 2.2 2.3	4.1 4.2	2.1 2.2 2.3
	4.1 4.2 4.3		4.1 4.2 4.3
	5.1 5.2		5.1 5.2

DIN 371	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	6	40	3,505	56	11	4	3	2	3,2
◀	8	36	4,166	63	13	4,5	3,4	4	3,85
◀	10	32	4,826	70	13	6	4,9	4	4,45
◀	1/4	28	6,350	80	16	7	5,5	5	5,9
◀	5/16	24	7,938	90	18	8	6,2	5	7,45
◀	3/8	24	9,525	90	15	10	8	5	9

CODICE - CODE			
P2SCUNF...	P2SCUNF...T	P2CCUNF...	P2CCUNF...T
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○
○	○	○	○

DIN 374	Ød1 UNF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	7/16	20	11,113	100	20	8	6,2	5	10,5
	1/2	20	12,700	100	20	9	7	6	12,1
	9/16	18	14,288	100	22	11	9	6	13,7
	3/4	16	19,050	110	25	14	11	6	18,4
	1"	12	25,400	140	28	18	14,5	8	24,45

CODICE - CODE			
P2SCUNF...	P2SCUNF...T	P2CCUNF...	P2CCUNF...T
○	○	○	○
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box:
 M3 – M10: 10 pezzi / pcs
 M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

88

88

88

88

● Standard
 ● Standard

○ Disponibilità da richiedere, prezzo a listino
 ○ Lead time on enquiry, standard price-list

★ Solo a richiesta
 ★ Only on request

ANSI / ASME B1.2

LINE

Calibri a tampone filettati passa / non passa
Thread plug gauges go/no-go



Tolleranza - Tolerance

2B

Trattamento superficiale - Surface treatment

BR

Ød1 UNF	TPI	CODICE - CODE P-NPUNF...
6	40	o
8	36	o
10	32	o
12	28	o
1/4	28	o
5/16	24	o
3/8	24	o
7/16	20	o
1/2	20	o
9/16	18	o
5/8	18	o
3/4	16	o
7/8	14	o
1"	12	o
1"1/8	12	o
1"1/4	12	o
1"3/8	12	o
1"1/2	12	o

UNF

FILETTATURA AMERICANA UN

AMERICAN UNIFIED THREAD UN

UNF

Ø	PASSO - PITCH																							
	8	9	10	11	12	13	14	16	18	20	24	27	28	32	36	40	44	48	56	60	64	72	80	
0																								UNF
1																						UNC	UNF	
2																						UNC		
3																						UNC	UNF	
4																	UNC					UNC		
5																	UNC	UNF						
6																								
9/64																								
8																								
11/64																								
10																								
12																								
15/64																								
1/4																								
9/32																								
5/16																								
3/8																								
7/16																								
1/2																								
9/16																								
5/8																								
11/16																								
3/4																								
13/16																								
7/8																								
15/16																								
1																								
1-1/16																								
1-1/8																								
1-3/16																								
1-1/4																								
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1-3/8																								
1-7/16																								
1-1/2																								
1-9/16																								
1-5/8																								
1-11/16																								
1-3/4																								
1-13/16																								
1-7/8																								
1-15/16																								
2																								
2-1/8																								
2-1/4																								
2-3/8																								
2-1/2																								
2-3/4																								
2-7/8																								
3																								

UNEF-UNS-UN...



UNEF UNS UN...

Costante innovazione: R&D in UFS Technology
Steady innovation: R&D in UFS Technology

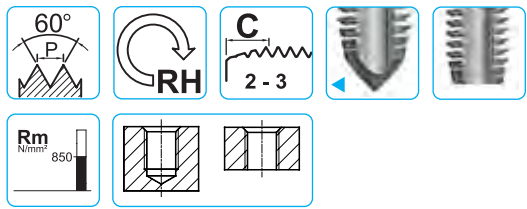
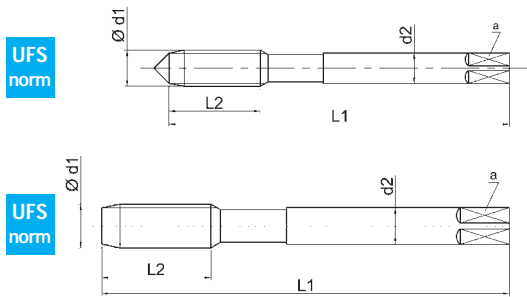
R&D




N

USO GENERALE
 General purpose

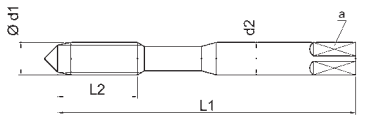
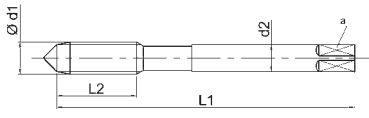
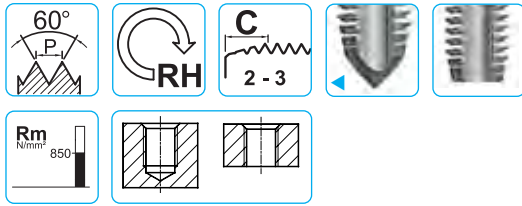
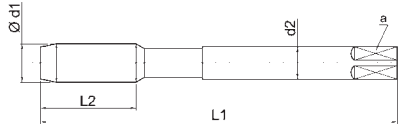
MASCHI A MACCHINA MACHINE TAPS



Profondità di filettatura - Thread depth	1,5xD	1,5xD
Materiale - Material	HSSE	HSSE
Tolleranza - Tolerance	2B	2B
Trattamento superficiale - Surface treatment	BR	TiN
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
	4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
	8.2	8.2

UFS norm	$\varnothing d1$ UNEF	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	1/4	32	6,350	80	16	4,5	3,4	3	5,55
◀	5/16	32	7,938	90	18	6	4,9	3	7,15
◀	3/8	32	9,525	90	15	7	5,5	3	8,7
	7/16	28	11,113	100	20	8	6,2	3	10,2
	1/2	28	12,700	100	20	9	7	3	11,8
	9/16	24	14,288	100	22	11	9	4	13,2
	5/8	24	15,875	100	22	12	9	4	14,8
	11/16	24	17,462	110	25	14	11	4	16,4
	3/4	20	19,050	110	25	14	11	4	17,8
	13/16	20	20,638	125	25	18	14,5	4	19,4
	7/8	20	22,225	125	25	18	14,5	4	20,95
	1"	20	25,400	140	28	18	14,5	4	24,15
	1"1/16	18	26,988	140	25	20	16	4	25,6
	1"1/8	18	28,575	150	28	22	18	4	27,15
	1"3/16	18	30,163	150	28	22	18	4	28,75
	1"1/4	18	31,750	150	28	22	18	5	30,3
	1"3/8	18	34,925	170	30	28	22	5	33,5
	1"7/16	18	36,513	170	30	28	22	6	35,1
	1"1/2	18	38,100	170	30	28	22	6	36,7

CODICE - CODE	
E21UNEF...	E21UNEF...T
◊	*
◊	*
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◊	*
◊	*
◊	*
◊	*

N **USO GENERALE**
General purpose
UFS norm

UFS norm

UFS norm

LINE

LINE

1,5xD
1,5xD
HSSE
HSSE
2B
2B
BR
TiN

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

8.2
8.2
Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment
Numero gruppi materiali
Material's groups number

UFS norm	Ød1 UNS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	10	40	4,826	70	13	6	4,9	3	4,2
◀	10	48	4,826	70	13	6	4,9	3	4,3
◀	12	36	5,486	80	16	6	4,9	3	4,8
◀	1/4	24	6,350	80	16	7	5,5	3	5,3
◀	1/4	36	6,350	80	16	7	5,5	3	5,6
◀	1/4	40	6,350	80	16	7	5,5	3	5,7

CODICE - CODE	
E20...UNS...	E20...UNS...T
○	*
○	*
○	*
○	*
○	*
*	*

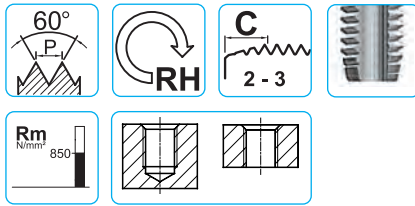
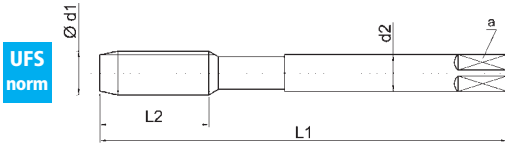
UFS norm	Ød1 UNS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	5/16	40	7,938	90	18	6	4,9	3	7,3
◀	3/8	18	9,525	100	15	7	5,5	3	8,1
◀	3/8	27	9,525	100	15	7	5,5	3	8,6
◀	3/8	40	9,525	100	15	7	5,5	3	8,9
	7/16	24	11,113	100	20	8	6,2	3	10,05
	7/16	27	11,113	100	20	8	6,2	3	10,2
	1/2	24	12,700	100	20	9	7	3	11,6
	1/2	27	12,700	100	20	9	7	3	11,75
	5/8	27	15,875	100	22	12	9	4	14,9
	11/16	18	17,462	110	25	14	11	4	16,05
	3/4	18	19,050	110	25	14	11	4	17,6
	7/8	18	22,225	125	25	18	14,5	4	20,8
	7/8	24	22,225	125	25	18	14,5	4	21,2
	15/16	18	23,813	140	25	18	14,5	4	22,4
	1"	14	25,400	140	28	18	14,5	4	23,6
	1"	18	25,400	140	28	18	14,5	4	24
	1"	24	25,400	140	28	18	14,5	4	24,3
	1"1/4	14	31,750	150	28	22	18	5	29,9
	1"5/16	14	33,338	170	30	28	22	5	31,5

CODICE - CODE	
E21...UNS...	E21...UNS...T
○	*
○	*
○	*
○	*
○	*
○	*
○	*
○	*
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○	*
○	*
○	*
○	*
○	*
○	*
○	*

Confezione: Singola Box: Single	€ Pagina listino - Price list page	90	90
● Standard	○ Disponibilità da richiedere, prezzo a listino		★ Solo a richiesta
● Standard	○ Lead time on enquiry, standard price-list		★ Only on request

UNS

MASCHI A MACCHINA MACHINE TAPS



Profondità di filettatura - Thread depth	1,5xD
Materiale - Material	HSSE
Tolleranza - Tolerance	2B
Trattamento superficiale - Surface treatment	BR
Numero gruppi materiali Material's groups number	TiN

1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
8.2	8.2

UFS norm	Ød1	P	Ø	L ₁	L ₂	d ₂	a	Z	
8-UN	TPI	mm	mm	mm	mm	h9	h12		
1"1/8	8	28,575	180	46	22	18	4	25,4	
1"1/4	8	31,750	180	46	22	18	4	28,6	
1"3/8	8	34,925	200	50	28	22	4	31,75	
1"1/2	8	38,100	200	50	28	22	4	34,9	
1"5/8	8	41,275	200	55	32	24	5	38,1	
1"3/4	8	44,450	220	60	36	29	5	41,3	
1"7/8	8	47,625	250	65	36	29	6	44,45	
2"	8	50,800	250	65	40	32	6	47,6	

CODICE - CODE	
E21-8UN...	E21-8UN...T
○	*
○	*
○	*
○	*
○	*
○	*
○	*
○	*
○	*

UFS norm	Ød1	P	Ø	L ₁	L ₂	d ₂	a	Z	
12-UN	TPI	mm	mm	mm	mm	h9	h12		
7/8	12	22,225	125	25	18	14,5	4	20,1	
1"1/16	12	26,988	140	25	20	16	4	24,9	
1"3/16	12	30,163	150	28	22	18	4	28	
1"5/16	12	33,338	170	30	28	22	5	31,2	
1"7/16	12	36,513	170	30	28	22	6	34,4	
1"5/8	12	41,275	170	30	32	24	6	39,2	
1"3/4	12	44,450	180	32	36	29	6	42,3	
2"	12	50,8	190	32	40	32	6	48,7	

CODICE - CODE	
E21-12UN...	E21-12UN...T
○	*
○	*
○	*
○	*
○	*
○	*
○	*
○	*

UFS norm	Ød1	P	Ø	L ₁	L ₂	d ₂	a	Z	
16-UN	TPI	mm	mm	mm	mm	h9	h12		
1"	16	25,400	140	28	18	14,5	4	23,8	
1"1/8	16	28,575	150	28	22	18	4	27	
1"1/4	16	31,750	150	28	22	18	5	30,15	
1"1/2	16	38,100	170	30	28	22	6	36,5	
2"	16	50,8	190	32	40	32	6	49,2	

CODICE - CODE	
E21-16UN...	E21-16UN...T
○	*
○	*
○	*
○	*
○	*

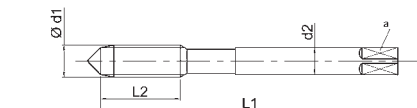
■ = Acciaio HSS / HSS Steel

Confezione: Singola Box: Single	€ Pagina listino - Price list page	91	91
	● Standard	○ Disponibilità da richiedere, prezzo a listino	★ Solo a richiesta
	● Standard	○ Lead time on enquiry, standard price-list	★ Only on request

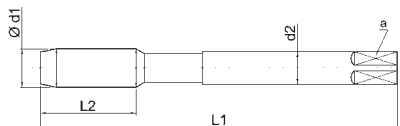
N USO GENERALE
General purpose

MASCHI A MACCHINA MACHINE TAPS

UFS norm



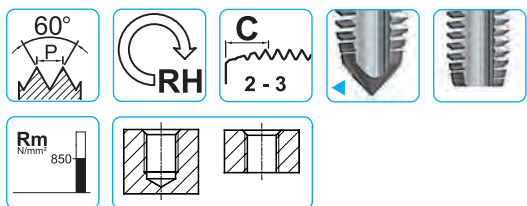
UFS norm



LINE



LINE



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

1,5xD	1,5xD
HSSE	HSSE
2B	2B
BR	TiN
1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
8.2	8.2

UFS norm	Ød1	P	Ø	L ₁	L ₂	d ₂ h9	a h12	Z	
	20-UN	TPI	mm						
◀	3/8	20	9,525	90	15	7	5,5	3	8,3
	5/8	20	15,875	100	22	12	9	4	14,6
	1" 1/16	20	26,988	140	25	20	16	4	25,7
	1" 1/8	20	28,575	150	28	22	18	4	27,3
	1" 1/4	20	31,750	150	28	22	18	5	30,5
	1" 3/8	20	34,925	170	30	28	22	5	33,7

CODICE - CODE	
E21-20UN...	E21-20UN...T
○	*
○	*
○	*
○	*
○	*
○	*

UFS norm	Ød1	P	Ø	L ₁	L ₂	d ₂ h9	a h12	Z	
	28-UN	TPI	mm						
◀	3/8	28	9,525	90	15	7	5,5	3	8,6
	5/8	28	15,875	100	22	12	9	4	15

CODICE - CODE	
E21-28UN...	E21-28UN...T
○	*
○	*

UFS norm	Ød1	P	Ø	L ₁	L ₂	d ₂ h9	a h12	Z	
	32-UN	TPI	mm						
	7/16	32	11,113	100	20	8	6,2	3	10,3
	1/2	32	12,700	100	20	9	7	3	11,9

CODICE - CODE	
E21-32UN...	E21-32UN...T
○	*
○	*

Confezione: Singola Box: Single € Pagina listino - Price list page 91 91
 ● Disponibile a stock ○ Disponibilità da richiedere, prezzo a listino * Solo a richiesta
 ● Available in stock ○ Lead time on enquiry, standard price-list * Only on request

GAS-Rp-NPSM-NPSF



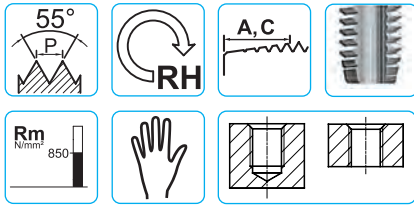
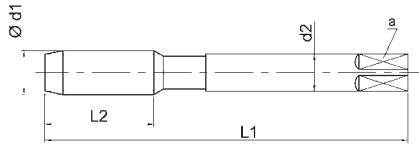
GAS Rp NPSM NPSF

Il prodotto: preciso, affidabile, curato e tutto by UFS
The product: precise, reliable, accurate, all made by UFS

PRECISION



DIN 5157



LINE

LINE

LINE



A 5-6

C 2-3

Profondità di filettatura - Thread depth

2xD

Materiale - Material

HSS

Tolleranza - Tolerance

ISO 228

Trattamento superficiale - Surface treatment

BR

BR

BR

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

2.1 2.2 2.3 3.1 3.4

2.1 2.2 2.3 3.1 3.4

2.1 2.2 2.3 3.1 3.4

4.1 4.2 4.3 4.4

4.1 4.2 4.3 4.4

4.1 4.2 4.3 4.4

5.1 5.2 5.3

5.1 5.2 5.3

5.1 5.2 5.3

DIN 5157	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	63	18	7	5,5	3	8,8
	1/4	19	13,16	70	20	11	9	4	11,8
	3/8	19	16,66	70	20	12	9	4	15,25
	1/2	14	20,96	80	22	16	12	4	19
	5/8	14	22,91	80	22	18	14,5	4	21
	3/4	14	26,44	90	22	20	16	4	24,5
	7/8	14	30,20	90	22	22	18	4	28,25
	1"	11	33,25	100	25	25	20	5	30,75
	1 1/8	11	37,90	125	32	28	22	6	35,5
	1 1/4	11	41,91	125	32	32	24	6	39,5
	1 1/2	11	47,8	140	32	36	29	6	45,25
	1 3/4	11	53,75	140	32	40	32	6	51,10
	2"	11	59,61	160	36	45	35	6	57,2
	2 1/4	11	65,71	160	40	50	39	6	63,10
	2 1/2	11	75,18	160	40	50	39	8	72,6
	2 3/4	11	81,53	160	40	50	39	8	79,1
	3"	11	87,88	160	40	50	39	8	85,3

CODICE - CODE

01G...

03G...

00G...

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Confezione: Singola
Box: Single

€ Pagina listino - Price list page

92

92

92

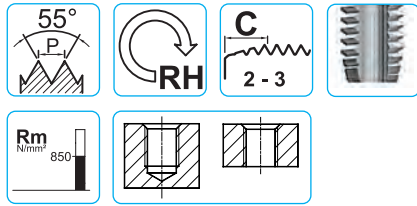
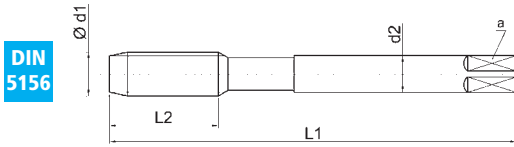
● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

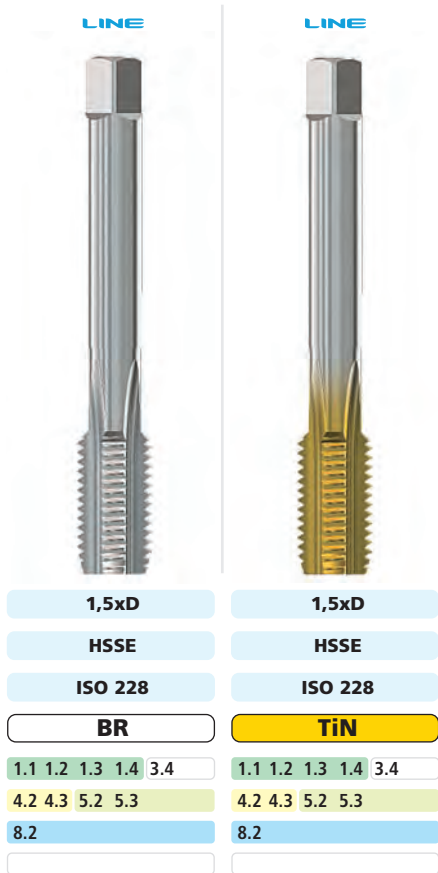
★ Solo a richiesta
★ Only on request

N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment
Numero gruppi materiali
Material's groups number



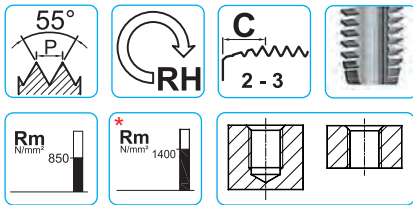
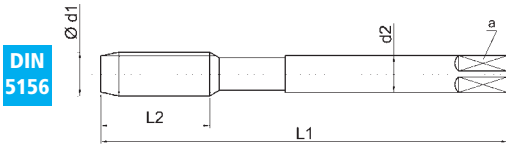
1,5xD **1,5xD**
HSSE **HSSE**
ISO 228 **ISO 228**
BR **TiN**
1.1 1.2 1.3 1.4 3.4 4.2 4.3 5.2 5.3 8.2

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	22	11	9	3	11,8
	3/8	19	16,66	100	22	12	9	3	15,25
	1/2	14	20,96	125	25	16	12	4	19
	5/8	14	22,91	125	25	18	14,5	4	21
	3/4	14	26,44	140	25	20	16	4	24,5
	7/8	14	30,20	150	28	22	18	4	28,25
	1"	11	33,25	160	30	25	20	5	30,75
	1"1/8	11	37,90	170	30	28	22	6	35,5
	1"1/4	11	41,91	170	30	32	24	6	39,5
■	1"1/2	11	47,8	190	32	36	29	6	45,25
■	1"3/4	11	53,75	190	32	40	32	6	51,1
■	2"	11	59,61	220	40	45	35	6	57,2
■	2"1/2	11	75,18	250	50	45	35	8	72,6

CODICE - CODE	
E21G...	E21G...T
●	○
●	○
●	○
●	○
○	○
●	○
○	★
●	★
●	★
●	★
●	★
●	★
○	★

■ = Acciaio HSS / HSS Steel

Confezione / Box: 1/8 G: 10 pezzi / pcs, 1/4 G - 3/8: 5 pezzi / pcs
 € Pagina listino - Price list page **93** **93**
 ● Standard ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta
 ● Standard ○ Lead time on enquiry, standard price-list ★ Only on request



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Al Si>10%,
Ottone / Brass
Bronzo / and Bronze
a truciolo corto / with short chip

Numero gruppi materiali
Material's groups number

LINE	LINE	TOP	TOP
3xD	3xD	3xD	3,5xD
HSSE	HSSE	PM3	PM3
ISO 228X	ISO 228X	ISO 228X	ISO 228X
NQ	NS	TiAlN	TiAlN
3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5	3.1 3.2 3.3 3.4 3.5
4.3 4.4 4.5 4.6 5.3	4.3 4.4 4.5 4.6 5.3	4.4 5.3 5.4	4.4 5.3 5.4
8.2 10.1	8.2 10.1	10.1	10.1

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	4	8,8
	1/4	19	13,16	100	22	11	9	4	11,8
	3/8	19	16,66	100	22	12	9	4	15,25
	1/2	14	20,96	125	25	16	12	4	19
	5/8	14	22,91	125	25	18	14,5	4	21
	3/4	14	26,44	140	25	20	16	4	24,5
	7/8	14	30,20	150	28	22	18	4	28,25
	1"	11	33,25	160	30	25	20	5	30,75
	1 1/8"	11	37,90	170	30	28	22	6	35,5
	1 1/4"	11	41,91	170	30	32	24	6	39,5
	1 1/2"	11	47,8	190	32	36	29	6	45,25
	1/8	28	9,73	90	15	7	5,5	4	8,8
	1/4	19	13,16	100	22	11	9	4	11,8
	3/8	19	16,66	100	22	12	9	4	15,25
	1/2	14	20,96	125	25	16	12	6	19
	3/4	14	26,44	140	25	20	16	6	24,5

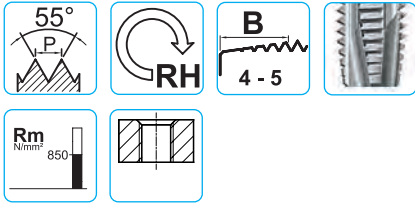
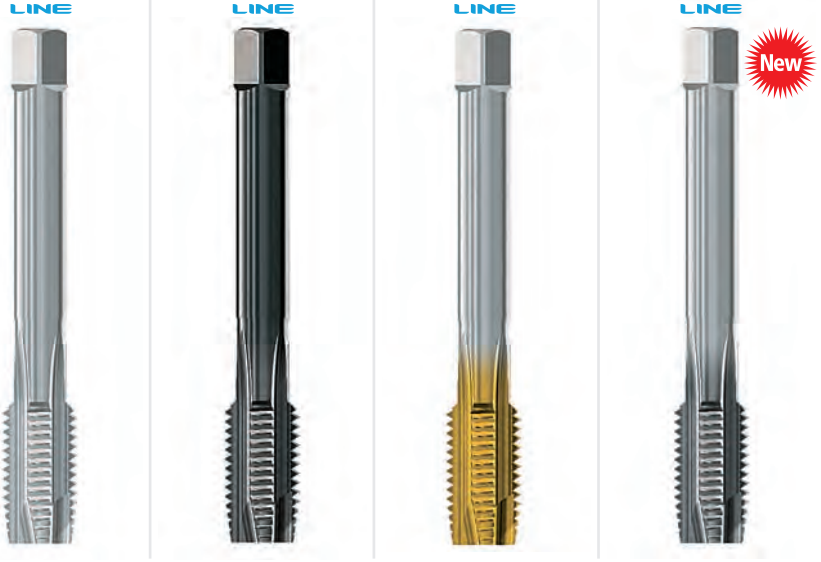
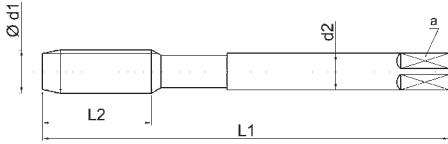
CODICE - CODE			
E27G...NQ	E27G...NS	*K27G...TX	*K27G...FOR-TX
○	●	*	*
○	●	*	*
○	●	*	*
○	●	*	*
○	○	*	*
○	○	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
-	-	*	*
-	-	*	*
-	-	*	*
-	-	*	*
-	-	*	*

A richiesta: Imbocco E (1,5-2 x P)
On request chamfer E (1,5-2 x P)

N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

DIN 5156



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

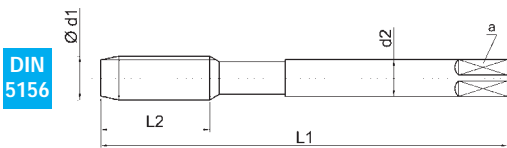
3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
ISO 228	ISO 228	ISO 228	ISO 228
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	22	11	9	3	11,8
	3/8	19	16,66	100	22	12	9	4	15,25
	1/2	14	20,96	125	25	16	12	4	19
	5/8	14	22,91	125	25	18	14,5	4	21
	3/4	14	26,44	140	25	20	16	4	24,5
	7/8	14	30,20	150	28	22	18	4	28,25
	1"	11	33,25	160	30	25	20	5	30,75
	1" 1/8	11	37,90	170	30	28	22	6	35,5
	1" 1/4	11	41,91	170	30	32	24	6	39,5
	1" 1/2	11	47,8	190	32	36	29	6	45,25
	1" 3/4	11	53,75	190	32	40	32	6	51,10
	2"	11	59,61	220	40	45	35	6	57,2

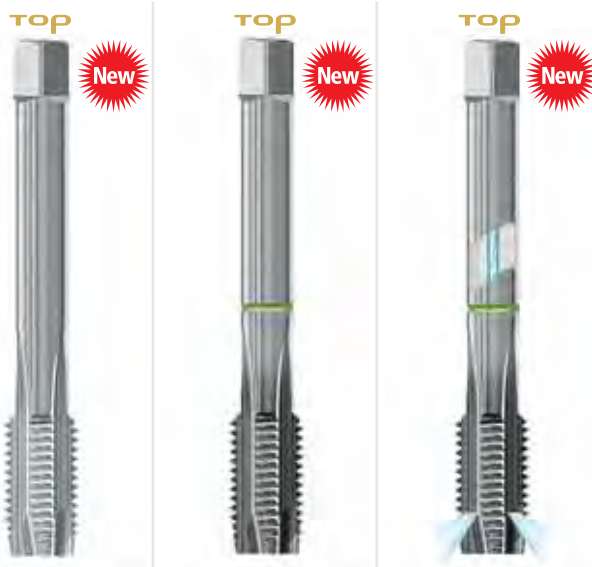
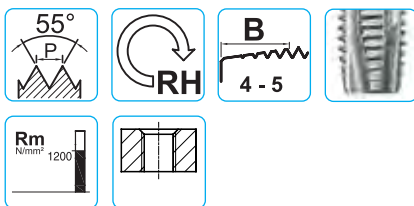
CODICE - CODE			
E25G...	E25G...V	E25G...T	E25G...XP
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	○	★
●	○	○	★
○	○	★	★
●	○	★	★
○	○	★	★
○	○	★	★
○	○	★	★
○	○	★	★

■ = Acciaio HSS / HSS Steel

Confezione / Box: 1/8 G: 10 pezzi / pcs 1/4 G - 3/8 G: 5 pezzi / pcs	€ Pagina listino - Price list page	93	93	94	94
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request	



DIN 5156



Profondità di filettatura - Thread depth	3xD
Materiale - Material	PM3
Tolleranza - Tolerance	ISO 228X
Trattamento superficiale - Surface treatment	BR
Al Si>10%, Ottone / Brass Bronzo / and Bronze a truciolo corto / with short chip	Numero gruppi materiali Material's groups number

3xD	3xD	3,5xD
PM3	PM3	PM3
ISO 228X	ISO 228X	ISO 228X
BR	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2	2.1 2.2 2.3	2.1 2.2 2.3
5.1 5.2	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2

DIN 5156	$\varnothing d1$ GAS	P TPI	\varnothing mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	22	11	9	4	11,8
	3/8	19	16,66	100	22	12	9	4	15,25
	1/2	14	20,96	125	25	16	12	4	19
	3/4	14	26,44	140	25	20	16	4	24,5

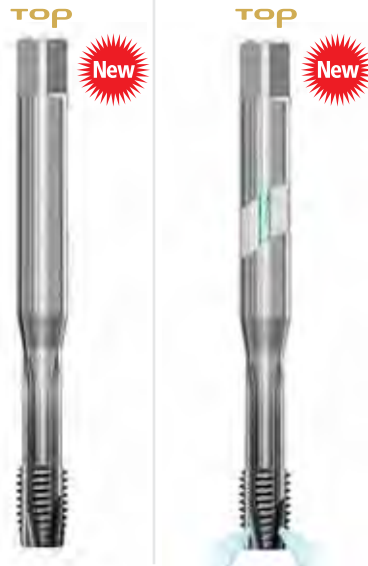
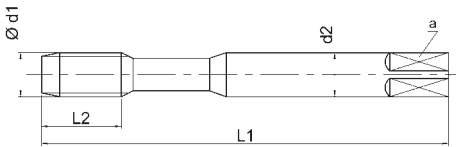
K25G...U	CODICE - CODE	
	K25G...XP	K25G...FORY-XP
*	○	*
*	○	*
*	○	*
*	○	*
*	○	*

SYNCHRO RIGID

MASCHIATURA RIGIDA SINCRONIZZATA Rigid Tapping Synchro

MASCHI A MACCHINA MACHINE TAPS

UFS norm



55°

RH

B
4-5

Rm
N/mm² 1400

SR

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

3xD	3,5xD
PM3	PM3
ISO 228X	ISO 228X
TXC	TXC
1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
2.1 2.2 2.3 2.4 3.3 3.4	2.1 2.2 2.3 2.4 3.3 3.4
4.1 4.2 4.3 4.5 4.6 5.1	4.1 4.2 4.3 4.5 4.6 5.1
5.2 5.3 6.1 6.2 7.1 7.2	5.2 5.3 6.1 6.2 7.1 7.2

UFS norm	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂ 10xP	d ₂ h6	a h12	Z	
	1/8	28	9,73	90	10	10	8	3	8,8
	1/4	19	13,16	100	13,5	12	9	3	11,8
	3/8	19	16,66	100	13,5	16	12	4	15,25
	1/2	14	20,96	125	18	20	16	4	19

CODICE - CODE	
S24G...TXC	S24G...FORY-TXC
○	★
○	★
○	★
○	★



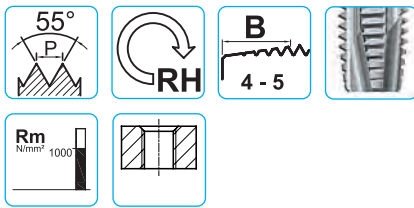
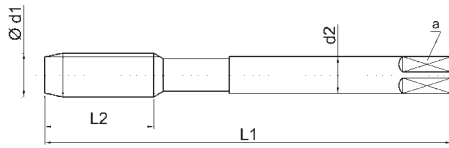
Ci potete richiedere maschi anche con diametro fino a 160-170 mm di diametro e 400-450 mm di lunghezza!

You will find taps with diameters up to 160-170 mm and 400-450 mm in length!

A richiesta:
On request:
Con Weldon DIN1835 B

Confezione: Singola Box: Single	€ Pagina listino - Price list page	94	94
● Standard	○ Disponibilità da richiedere, prezzo a listino		★ Solo a richiesta
● Standard	○ Lead time on enquiry, standard price-list		★ Only on request

DIN 5156



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

3xD

HSSV3

ISO 228X

TXC

1.3 1.4 1.5

2.1 2.2 2.3 2.4

Numero gruppi materiali
 Material's groups number

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	22	11	9	4	11,8
	3/8	19	16,66	100	22	12	9	4	15,25
	1/2	14	20,96	125	25	16	12	4	19
	3/4	14	26,44	140	25	20	16	4	24,5

CODICE - CODE

V25G...TXC

-
-
-
-
-

Confezione / Box:
 1/8 G: 10 pezzi / pcs
 1/4 G - 3/8 G: 5 pezzi / pcs

€ Pagina listino - Price list page

94

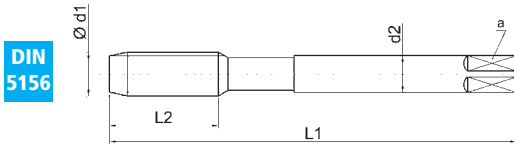
- Standard
- Standard

- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

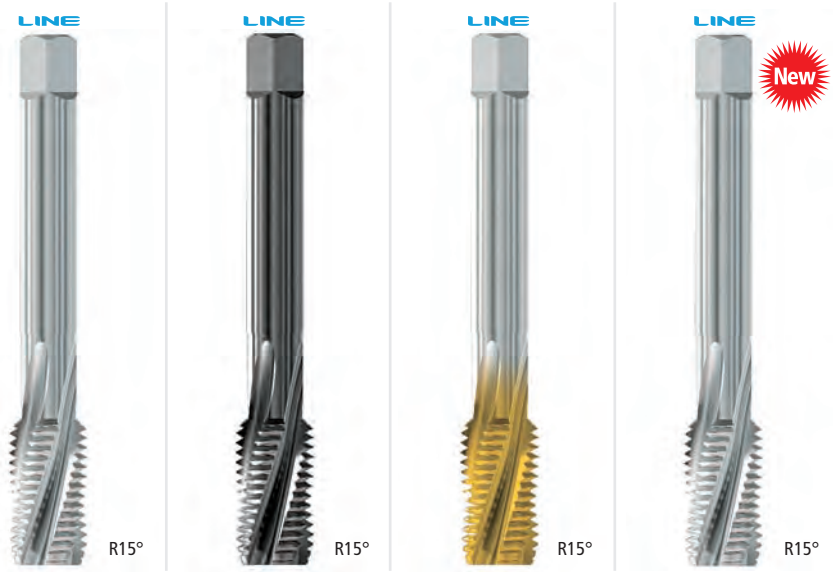
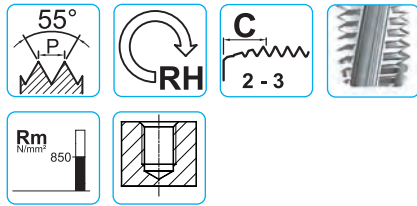
- ★ Solo a richiesta
- ★ Only on request

N **USO GENERALE**
 General purpose

MASCHI A MACCHINA MACHINE TAPS



DIN 5156



New

Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment
 Numero gruppi materiali
 Material's groups number

1,5xD	1,5xD	1,5xD	1,5xD
HSSE	HSSE	HSSE	HSSE
ISO 228	ISO 228	ISO 228	ISO228+0,05
BR	V	TiN	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	4.1 4.2
5.1 5.2	5.1 5.2	4.1 4.2 4.3	5.1 5.2
	6.1 7.1	5.1 5.2	

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	22	11	9	3	11,8
	3/8	19	16,66	100	22	12	9	3	15,25
	1/2	14	20,96	125	25	16	12	4	19
	5/8	14	22,91	125	25	18	14,5	4	21
	3/4	14	26,44	140	25	20	16	4	24,5
	7/8	14	30,20	150	28	22	18	4	28,25
	1"	11	33,25	160	30	25	20	5	30,75
	1"1/8	11	37,90	170	30	28	22	6	35,5
	1"1/4	11	41,91	170	30	32	24	6	39,5
	1"1/2	11	47,8	190	32	36	29	6	45,25
	1"3/4	11	53,75	190	32	40	32	6	51,4
	2"	11	59,61	220	40	45	35	6	57,2
	2"1/2	11	75,18	250	50	45	35	8	72,8

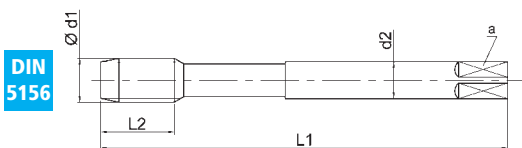
■ = Acciaio HSS / HSS Steel

CODICE - CODE			
E41G...	E41G...V	E41G...T	E41G...+0,05
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	○	*	*
●	○	○	○
○	○	*	○
●	○	*	○
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*
○	*	*	*

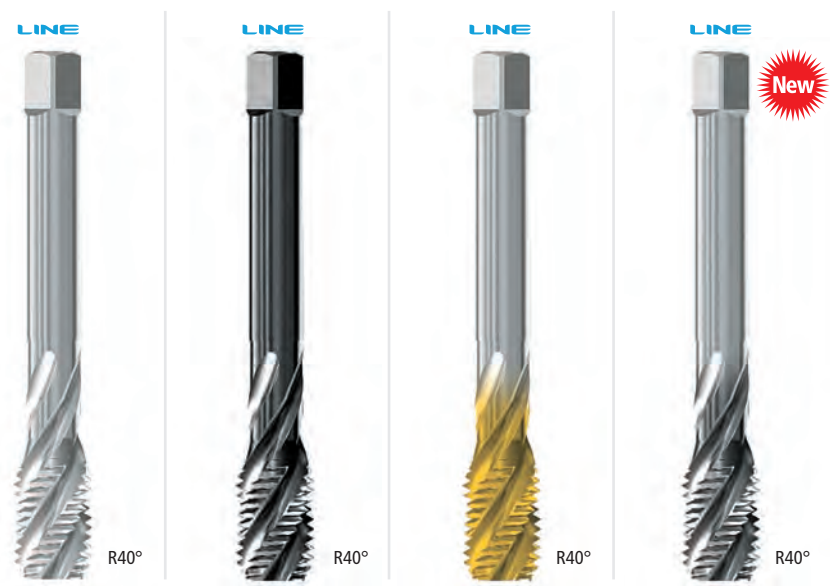
Confezione / Box: 1/8 G: 10 pezzi / pcs; 1/4 G - 3/8 G: 5 pezzi / pcs
 € Pagina listino - Price list page: 94, 95, 95, 95
 ● Standard ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta
 ● Standard ○ Lead time on enquiry, standard price-list ★ Only on request

MASCHI A MACCHINA MACHINE TAPS

N USO GENERALE
 General purpose



55°
 RH
 C
 2-3
 Rm
 N/mm²
 850



Profondità di filettatura - Thread depth	2,5xD	2,5xD	2,5xD	2,5xD
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	ISO 228	ISO 228	ISO 228	ISO 228
Trattamento superficiale - Surface treatment	BR	V	TiN	XP
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
	5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	15	11	9	3	11,8
	3/8	19	16,66	100	15	12	9	4	15,25
	1/2	14	20,96	125	18	16	12	4	19
	5/8	14	22,91	125	18	18	14,5	4	21
	3/4	14	26,44	140	20	20	16	4	24,5
	7/8	14	30,20	150	20	22	18	4	28,25
	1"	11	33,25	160	24	25	20	5	30,75
	1 1/8"	11	37,90	170	24	28	22	6	35,5
	1 1/4"	11	41,91	170	24	32	24	6	39,5
	1 1/2"	11	47,8	190	27	36	29	6	45,25
	1 3/4"	11	53,75	190	27	40	32	6	51,10
	2"	11	59,61	220	32	45	35	6	57,2

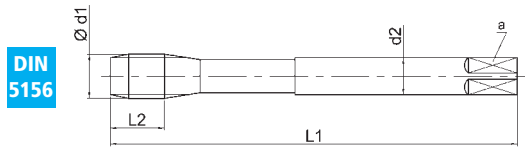
■ = Acciaio HSS / HSS Steel

CODICE - CODE			
E61G...	E61G...V	E61G...T	E61G...XP
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
○	★	★	★
●	○	○	○
○	○	★	★
●	○	★	★
○	★	★	★
○	★	★	★
○	★	★	★
○	★	★	★

Confezione / Box: 1/8 G: 10 pezzi / pcs 1/4 G - 3/8 G: 5 pezzi / pcs	€ Pagina listino - Price list page	95	95	95	95
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	

U APPLICAZIONI UNIVERSALI $R \leq 1200 \text{ N/mm}^2$
 Universal Applications $R \leq 1200 \text{ N/mm}^2$

MASCHI A MACCHINA MACHINE TAPS



55° P_v RH C 2-3

Rm N/mm² 1200

BT Back Tapered



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number

3xD	3xD	3,5xD	3,5xD
PM3	PM3	PM3	PM3
ISO 228X	ISO 228X	ISO 228X	ISO 228X
BR	XP	XP	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.2 5.2	2.1 2.2 2.3	2.1 2.2 2.3	2.1 2.2 2.3
	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3	3.3 3.4 4.2 4.3
	5.2	5.2	5.2

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	15	11	9	3	11,8
	3/8	19	16,66	100	15	12	9	4	15,25
	1/2	14	20,96	125	18	16	12	4	19
	3/4	14	26,44	140	20	20	16	4	24,5
	1"	11	33,25	160	24	25	20	5	30,75

CODICE - CODE			
K83G...U	K83G...XP	K83G...FOR-XP	K83G...FOR-XP
*	○	*	*
*	○	*	*
*	○	*	*
*	○	*	*
*	*	*	*

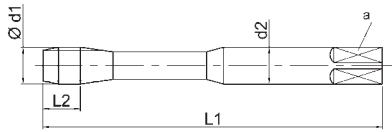
Confezione / Box: 1/8 G: 10 pezzi / pcs 1/4 G - 3/8 G: 5 pezzi / pcs	€ Pagina listino - Price list page	96	96	96	96
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Standard	○ Lead time on enquiry, standard price-list	* Solo a richiesta	* Only on request

MASCHI A MACCHINA MACHINE TAPS

SYNCHRO RIGID

MASCHIATURA RIGIDA SINCRONIZZATA Rigid Tapping Synchro

UFS norm



55°
P

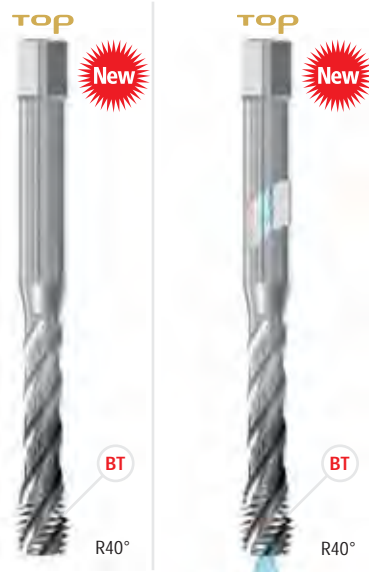
RH

C
2-3

Rm
N/mm² 1200

SR

BT
Back Tapered



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment

2,5xD	3xD
PM3	PM3
ISO 228X	ISO 228X
TXC	TXC
1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
2.1 2.2 2.3 2.4 3.3 3.4	2.1 2.2 2.3 2.4 3.3 3.4
4.2 4.3 5.2	4.2 4.3 5.2

Numero gruppi materiali
 Material's groups number

UFS norm	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂ 10xP	d ₂ h6	a h12	Z	
	1/8	28	9,73	90	10	10	8	3	8,8
	1/4	19	13,16	100	13,5	12	9	3	11,8
	3/8	19	16,66	100	13,5	16	12	4	15,25
	1/2	14	20,96	125	18	20	16	4	19

CODICE - CODE	
S80G...TXC	S80G...FOR-TXC
○	*
○	*
○	*
○	*

A richiesta:
 On request:

Con Weldon DIN1835 B



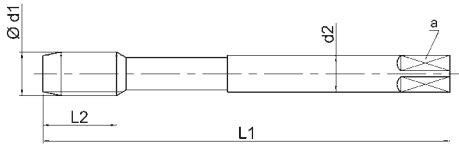
INOX

ACCIAIO INOSSIDABILE

Stainless steel

MASCHI A MACCHINA MACHINE TAPS

DIN 5156

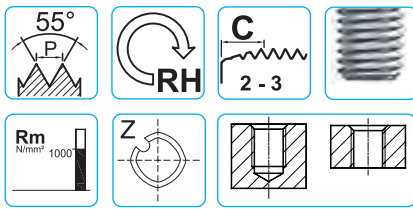
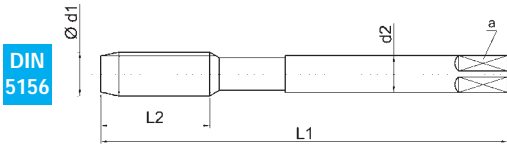


55° P_r RH C 2-3 Rm N/mm² 1000

Profondità di filettatura - Thread depth: 3,5xD
 Materiale - Material: HSSV3
 Tolleranza - Tolerance: ISO 228X
 Trattamento superficiale - Surface treatment: TXC
 Numero gruppi materiali - Material's groups number: 1.3 1.4 1.5, 2.1 2.2 2.3 2.4

DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,8
	1/4	19	13,16	100	15	11	9	3	11,8
	3/8	19	16,66	100	15	12	9	4	15,25
	1/2	14	20,96	125	18	16	12	4	19
	3/4	14	26,44	140	20	20	16	4	24,5
	1"	11	33,25	160	24	25	20	5	30,75

CODICE - CODE	
V83G...TXC	
○	
○	
○	
○	
○	
○	
★	



Profondità di filettatura - Thread depth
 Materiale - Material
 Tolleranza - Tolerance
 Trattamento superficiale - Surface treatment

Numero gruppi materiali
 Material's groups number

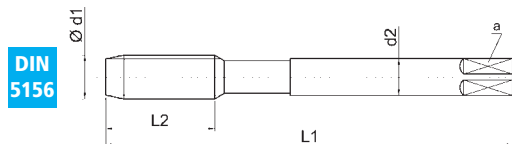


3xD	3xD	3xD	3xD
HSSP	HSSP	PM3	PM3
ISO 228X	ISO 228X	ISO 228X	ISO 228X
BR	TiN	TiN-G	TiN-G
1.1 1.2 1.3	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4 1.5	1.1 1.2 1.3 1.4 1.5
4.1 4.2	2.1 2.2 2.3	2.1 2.2 2.3 2.4	2.1 2.2 2.3 2.4
	4.1 4.2 4.3	4.1 4.2 4.3	4.1 4.2 4.3
	5.1 5.2	5.1 5.2 7.1 7.2	5.1 5.2 7.1 7.2

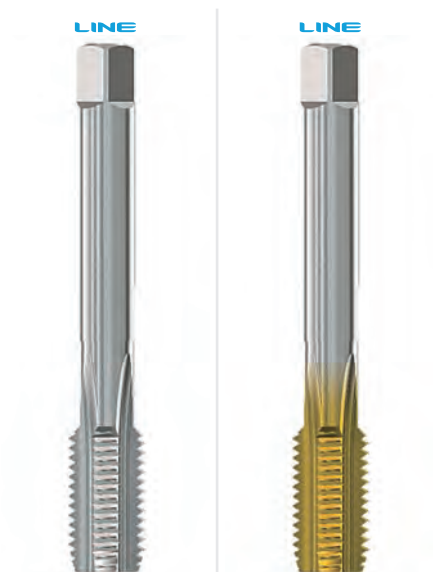
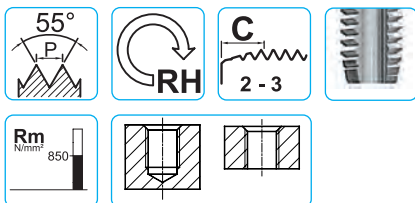
DIN 5156	Ød1 GAS	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
1/8	28	9,73	90	15	7	5,5	5	9,25	
1/4	19	13,16	100	22	11	9	6	12,5	
3/8	19	16,66	100	22	12	9	6	16	
1/2	14	20,96	125	25	16	12	6	20	
3/4	14	26,44	140	25	20	16	8	25,5	

P2CCG...	CODICE - CODE		
	P2CCG...T	X2CCG...TG	X2CCG...FOR-TG
•	○	•	○
•	○	•	○
•	○	•	○
•	○	•	○
○	○	★	★

MASCHI A MACCHINA MACHINE TAPS



DIN 5156



Profondità di filettatura - Thread depth

1,5xD

1,5xD

Materiale - Material

HSSE

HSSE

Tolleranza - Tolerance

-

-

Trattamento superficiale - Surface treatment

BR

TiN

Numero gruppi materiali
Material's groups number

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

8.2

8.2

DIN 5156	$\varnothing d1$ GAS	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
	1/8	28	9,73	90	15	7	5,5	3	8,6
	1/4	19	13,16	100	22	11	9	3	11,5
	3/8	19	16,66	100	22	12	9	3	15
	1/2	14	20,96	125	25	16	12	4	18,5
	3/4	14	26,44	140	25	20	16	4	24
	1"	11	33,25	160	30	25	20	5	30,25
	1 1/4"	11	41,91	170	30	32	24	6	39
■	1 1/2"	11	47,8	190	32	36	29	6	45
■	2"	11	59,61	220	40	45	35	6	56,5

CODICE - CODE

E21RP...

E21RP...T

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■ = Acciaio HSS / HSS Steel

Per accoppiamento a tenuta sul filetto.

Where pressure-tight joints are made on the threads.

Für im Gewinde dichtende Verbindungen.

Pour assemblage avec étanchéité dans le filet.

Para conexiones herméticas en la rosca.

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

97

97

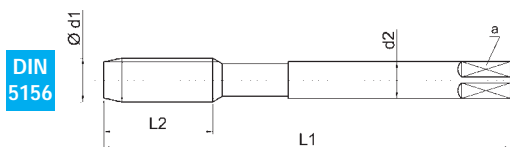
● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

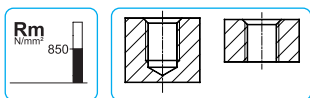
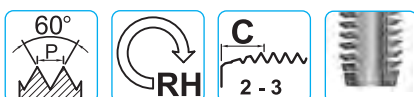
★ Solo a richiesta
★ Only on request

NPSM NPSF





DIN 5156



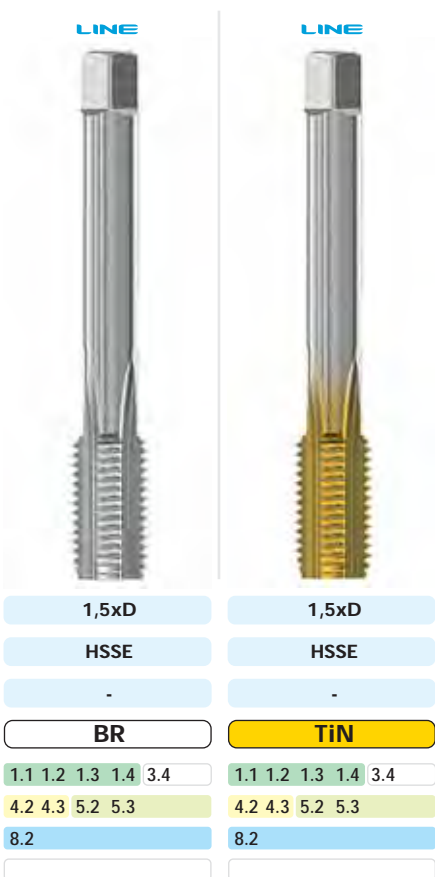
Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number



1,5xD

1,5xD

HSSE

HSSE

-

-

BR

TiN

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

8.2

8.2

DIN 5156	$\varnothing d_1$	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	F NPSM	F NPSC
1/8	27	10,1	90	15	7	5,5	9,10	8,8	
1/4	18	13,404	100	22	11	9	12	11,4	
3/8	18	16,843	100	22	12	9	15,5	14,8	
1/2	14	20,949	125	25	16	12	19	18,5	
3/4	14	26,296	140	25	20	16	24,5	23,8	
1"	11,5	32,895	160	30	25	20	30,5	29,9	

CODICE - CODE	
E21NPSM...	E21NPSM...T
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Filettatura gas meccanica, ex NPS. Utilizzabile anche per NPSC.
For mechanical joints, previously NPS. Can also be used for NPSC thread.
Mechanisches Rohrgewinde, früher NPS. Auch für NPSC verwendbar.
Filetage pas du gaz mécanique, au préalable NPS. Également pour NPSC.
Rosca gas mecánica, antes NPS. También utilizable para NPSC.

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

97

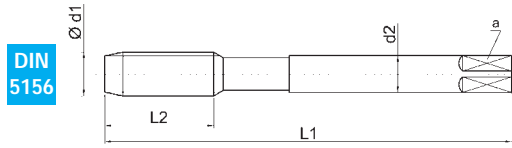
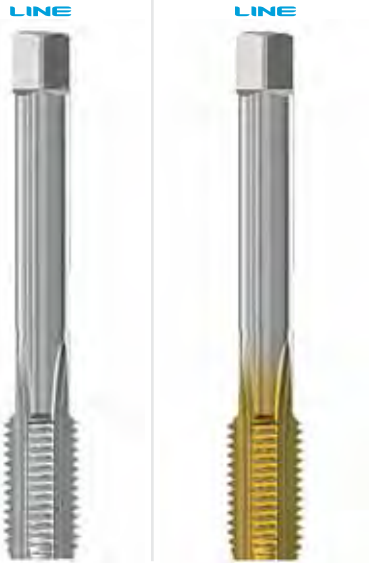
97

- Standard
- Standard

- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request

N	USO GENERALE
	<i>General purpose</i>

MASCHI A MACCHINA MACHINE TAPS

DIN 5156


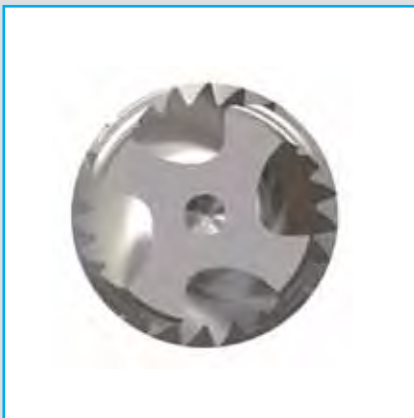
Profondità di filettatura - Thread depth	1,5xD	1,5xD
Materiale - Material	HSSE	HSSE
Tolleranza - Tolerance	-	-
Trattamento superficiale - Surface treatment	BR	TiN
Numero gruppi materiali <i>Material's groups number</i>	1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
	4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
	8.2	8.2

DIN 5156	Ød1	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	F
1/8	27	9,929	90	15	7	5,5	8,7	
1/4	18	13,236	100	22	11	9	11,30	
3/8	18	16,673	100	22	12	9	14,7	
1/2	14	20,819	125	25	16	12	18,2	
3/4	14	26,166	140	25	20	16	23,50	
1"	11,5	32,718	160	30	25	20	29,50	

Filettatura a tenuta cilindrica, accoppiata con filettatura esterna conica NPTF.
Dryseal internal straight pipe thread for fuel, combined with external tapered pipe thread NPTF.
Zylindrisches Rohrdichtgewinde, gepaart mit kegeligem Außengewinde NPTF
Filetage pas du gaz étanche cylindrique, apparié avec le filetage extérieur conique NPTF.
Rosca gas hermética cilíndrica, combinada con rosca exterior cónica NPTF.

CODICE - CODE	
E21NPSF...	E21NPSF...T
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Confezione: Singola Box: Single	€ Pagina listino - Price list page	97	97
<ul style="list-style-type: none"> ● Standard ● Standard 	<ul style="list-style-type: none"> ○ Disponibilità da richiedere, prezzo a listino ○ Lead time on enquiry, standard price-list 	<ul style="list-style-type: none"> ★ Solo a richiesta ★ Only on request 	



Rc-NPT-NPTF



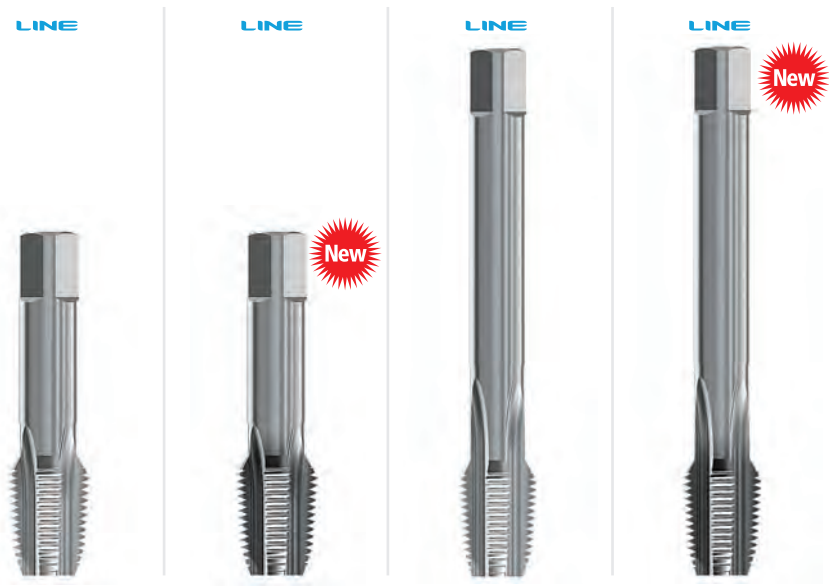
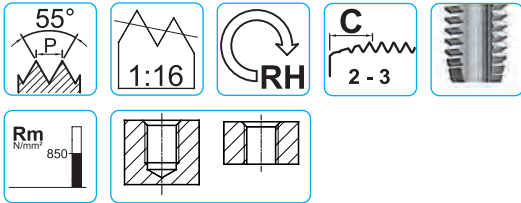
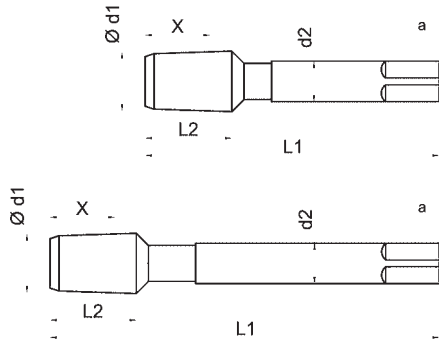
Rc NPT NPTF

Forte espansione sui mercati esteri
Great expansion in export markets

INTERNATIONAL



MASCHI A MACCHINA MACHINE TAPS



Profondità di filettatura - Thread depth	-	-	-	-
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	-	-	-	-
Trattamento superficiale - Surface treatment	BR	VS	BR	VS
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	3.3 3.4 4.2 4.3	2.1 2.2 2.3	3.3 3.4 4.2 4.3	2.1 2.2 2.3
	5.3	3.1 3.2 3.3 3.4	5.3	3.1 3.2 3.3 3.4
		4.2 4.3 4.4 5.2 5.3		4.2 4.3 4.4 5.2 5.3

Ød1 Rc	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/8	28	9,728	63	13	7	5,5	10,1	8,20
1/4	19	13,157	63	20	11	9	15,0	11
3/8	19	16,662	70	20	12	9	15,4	14,5
1/2	14	20,955	80	26	16	12	20,4	18
3/4	14	26,441	100	28	20	16	21,7	23,5
1"	11	33,249	110	34	25	20	26	29,5
1 1/4"	11	41,910	125	36	32	24	28,3	38
1 1/2"	11	47,803	140	36	36	29	28,3	44
2"	11	59,614	160	40	45	35	32,6	55,5

CODICE - CODE	
E21CRC...	E21CRC...VS
○	*
○	*
○	*
○	*
○	*
○	*
○	*
○	*

Ød1 Rc	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/8	28	9,728	90	13	7	5,5	10,1	8,20
1/4	19	13,157	100	20	11	9	15,0	11
3/8	19	16,662	110	20	12	9	15,4	14,5
1/2	14	20,955	125	26	16	12	20,4	18
3/4	14	26,441	140	28	20	16	21,7	23,5
1"	11	33,249	160	34	25	20	26	29,5
1 1/4"	11	41,910	160	36	32	24	28,3	38
1 1/2"	11	47,803	190	36	36	29	28,3	44
2"	11	59,614	200	40	45	35	32,6	55,5

CODICE - CODE	
E21LRC...	E21LRC...VS
○	*
○	*
○	*
○	*
○	*
○	*
○	*
*	*
*	*
*	*

Per accoppiamento a tenuta sul filetto.
Where pressure-tight joints are made on the threads.
Für im Gewinde dichtende Verbindungen.
Pour assemblage avec étanchéité dans le filet.
Para conexiones herméticas en la rosca.

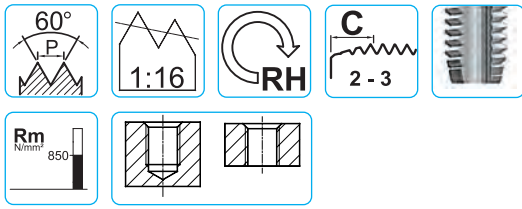
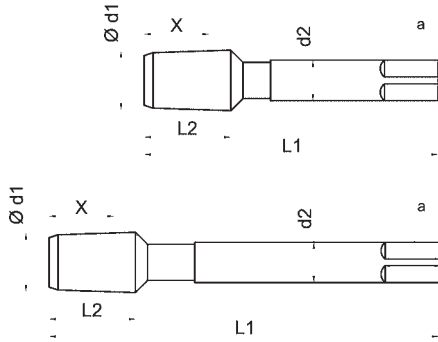
* Diametri di foratura cilindrici.
Per alesatura conica vedi tabella pag. 258
* Cylindric hole.
For conic hole see on page 258

Confezione: Singola Box: Single	€ Pagina listino - Price list page	97	97	98	98
	● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	* Solo a richiesta	* Only on request

MASCHI A MACCHINA MACHINE TAPS

N

USO GENERALE
General purpose



Profondità di filettatura - Thread depth	-
Materiale - Material	HSSE
Tolleranza - Tolerance	-
Trattamento superficiale - Surface treatment	BR
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4
	3.3 3.4 4.2 4.3
	5.3

-	-	-	-
HSSE	HSSE	HSSE	HSSE
-	-	-	-
BR	VS	BR	VS
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
3.3 3.4 4.2 4.3	2.1 2.2 2.3	3.3 3.4 4.2 4.3	2.1 2.2 2.3
5.3	3.1 3.2 3.3 3.4	5.3	3.1 3.2 3.3 3.4
	4.2 4.3 4.4 5.2 5.3		4.2 4.3 4.4 5.2 5.3

Ød1 NPT	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/16	27	7,938	63	13	6	4,9	9,3	6,2
1/8	27	10,287	63	13	7	5,5	9,3	8,5
1/4	18	13,716	63	20	11	9	13,5	11
3/8	18	17,145	70	20	12	9	13,9	14,5
1/2	14	21,336	80	26	16	12	18,1	17,9
3/4	14	26,670	100	26	20	16	18,6	23,2
1"	11,5	33,401	110	32	25	20	22,3	29
1 1/4"	11,5	42,164	125	32	32	24	22,8	37,8
1 1/2"	11,5	48,260	140	32	36	29	22,8	44
2"	11,5	60,325	160	36	45	35	23,2	56

Ød1 NPT	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/16	27	7,938	90	13	6	4,9	9,3	6,2
1/8	27	10,287	90	13	7	5,5	9,3	8,5
1/4	18	13,716	100	20	11	9	13,5	11
3/8	18	17,145	110	20	12	9	13,9	14,5
1/2	14	21,336	125	26	16	12	18,1	17,9
3/4	14	26,670	140	26	20	16	18,6	23,2
1"	11,5	33,401	160	32	25	20	22,3	29
1 1/4"	11,5	42,164	160	32	32	24	22,8	37,8
1 1/2"	11,5	48,260	190	32	36	29	22,8	44
2"	11,5	60,325	200	36	45	35	23,2	56

■ = Acciaio HSS / HSS Steel

CODICE - CODE	
E21CNPT...	E21CNPT...VS
*	*
o	*
o	*
o	*
o	*
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o	*
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o	*

CODICE - CODE	
E21LNPT...	E21LNPT...VS
o	*
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*	*
*	*
*	*

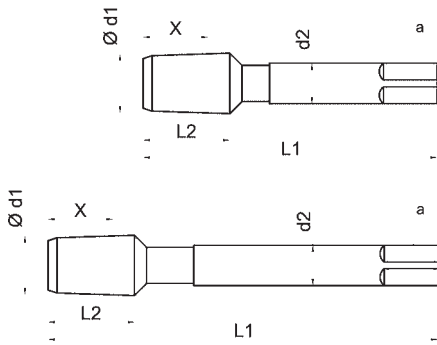
* Diametri di foratura cilindrici.
Per alesatura conica vedi tabella pag. 258

* Cylindric hole.
For conic hole see on page 258

Confezione: Singola Box: Single	€ Pagina listino - Price list page	98	98	98	98
	● Standard	○ Disponibilità da richiedere, prezzo a listino		★ Solo a richiesta	
	● Standard	○ Lead time on enquiry, standard price-list		★ Only on request	

N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS



- 60°
- 1:16
- RH
- C 2-3
- Rm 850
- AZ

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

-	-	-	-
HSSE	HSSE	HSSE	HSSE
-	-	-	-
BR	VS	BR	VS
1.1	1.1	1.1	1.1
2.1 2.2	2.1 2.2	2.1 2.2	2.1 2.2
4.1 4.2 5.1 5.2	4.1 4.2 5.1 5.2	4.1 4.2 5.1 5.2	4.1 4.2 5.1 5.2

Ød1 NPT	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/16	27	7,938	63	13	6	4,9	9,3	6,2
1/8	27	10,287	63	13	7	5,5	9,3	8,5
1/4	18	13,716	63	20	11	9	13,5	11
3/8	18	17,145	70	20	12	9	13,9	14,5
1/2	14	21,336	80	26	16	12	18,1	17,9
3/4	14	26,670	100	26	20	16	18,6	23,2
1"	11,5	33,401	110	32	25	20	22,3	29
1 1/4"	11,5	42,164	125	32	32	24	22,8	37,8
1 1/2"	11,5	48,260	140	32	36	29	22,8	44
2"	11,5	60,325	160	36	45	35	23,2	56

CODICE - CODE	
E21CNPT...AZ	E21CNPT...AZ-VS
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*	*
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*	*
*	*
*	*
*	*

Ød1 NPT	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/16	27	7,938	90	13	6	4,9	9,3	6,2
1/8	27	10,287	90	13	7	5,5	9,3	8,5
1/4	18	13,716	100	20	11	9	13,5	11
3/8	18	17,145	110	20	12	9	13,9	14,5
1/2	14	21,336	125	26	16	12	18,1	17,9
3/4	14	26,670	140	26	20	16	18,6	23,2
1"	11,5	33,401	160	32	25	20	22,3	29
1 1/4"	11,5	42,164	160	32	32	24	22,8	37,8
1 1/2"	11,5	48,260	190	32	36	29	22,8	44
2"	11,5	60,325	200	36	45	35	23,2	56

CODICE - CODE	
E21LNPT...AZ	E21LNPT...AZ-VS
*	*
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*	*

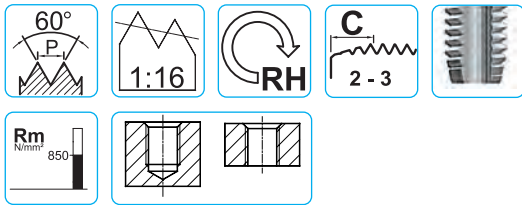
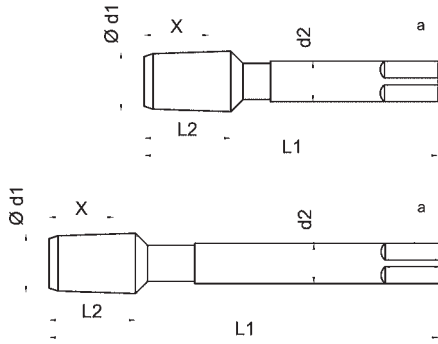
■ = Acciaio HSS / HSS Steel

* Diametri di foratura cilindrici.
Per alesatura conica vedi tabella pag. 258

* Cilyndric hole.
For conic hole see on page 258

Confezione: Singola Box: Single	€ Pagina listino - Price list page	98	98	99	99
	● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

MASCHI A MACCHINA MACHINE TAPS



Profondità di filettatura - Thread depth	-	-	-	-
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	-	-	-	-
Trattamento superficiale - Surface treatment	BR	VS	BR	VS
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	3.3 3.4 4.2 4.3	2.1 2.2 2.3	3.3 3.4 4.2 4.3	2.1 2.2 2.3
	5.3	3.1 3.2 3.3 3.4	5.3	3.1 3.2 3.3 3.4
		4.2 4.3 4.4 5.2 5.3		4.2 4.3 4.4 5.2 5.3

Ød1 NPTF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/16	27	7,938	63	13	6	4,9	9,3	6,1
1/8	27	10,287	63	13	7	5,5	9,3	8,45
1/4	18	13,716	63	20	11	9	13,5	10,9
3/8	18	17,145	70	20	12	9	13,9	14,3
1/2	14	21,336	80	26	16	12	18,1	17,6
3/4	14	26,670	100	26	20	16	18,6	23,0
1"	11,5	33,401	110	32	25	20	22,3	28,75
1 1/4"	11,5	42,164	125	32	32	24	22,8	37,5
1 1/2"	11,5	48,260	140	32	36	29	22,8	43,75
2"	11,5	60,325	160	36	45	35	23,2	55,75

Ød1 NPTF	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	X	F*
1/16	27	7,938	90	13	6	4,9	9,3	6,1
1/8	27	10,287	90	13	7	5,5	9,3	8,45
1/4	18	13,716	100	20	11	9	13,5	10,9
3/8	18	17,145	110	20	12	9	13,9	14,3
1/2	14	21,336	125	26	16	12	18,1	17,6
3/4	14	26,670	140	26	20	16	18,6	23,0
1"	11,5	33,401	160	32	25	20	22,3	28,75
1 1/4"	11,5	42,164	160	32	32	24	22,8	37,5
1 1/2"	11,5	48,260	190	32	36	29	22,8	43,75
2"	11,5	60,325	200	36	45	35	23,2	55,75

■ = Acciaio HSS / HSS Steel

CODICE - CODE	
E21CNPTF...	E21CNPTF...VS
*	*
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o	*
o	*

CODICE - CODE	
E21LNPTF...	E21LNPTF...VS
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o	*
o	*
o	*
o	*
*	*
*	*
*	*

* Diametri di foratura cilindrici.
Per alesatura conica vedi tabella pag. 258

* Cilyndric hole.
For conic hole see on page 258

Confezione: Singola Box: Single	€ Pagina listino - Price list page	99	99	99	99
	● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

LINE

Calibri filettati per filettatura conica a tre piani
 Thread gauges for tapered threads with three plans

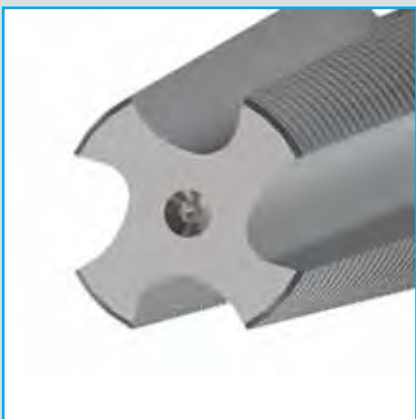


Tolleranza - Tolerance	-
Trattamento superficiale - Surface treatment	BR

NPT ANSI/ASME B1.20.1		CODICE - CODE P-NPNPT...
Ød1	TPI	
1/8	27	○
1/4	18	○
3/8	18	○
1/2	14	○
3/4	14	○
1"	11,5	○
1"1/4	11,5	○
1"1/2	11,5	○
2"	11,5	○

NPTF ANSI/ASME B1.20.3		A richiesta On request:	CODICE - CODE P-NPNPTF...
Ød1	TPI		
1/8	27		*
1/4	18		*
3/8	18		*
1/2	14		*
3/4	14		*
1"	11,5		*
1"1/4	11,5		*
1"1/2	11,5		*
2"	11,5		*

NPT NPTF



BSW-PG-Tr-Rd



BSW PG Tr Rd

Qualità certificata... ma non solo dal Certificatore
Certified quality... but not only by the certifier

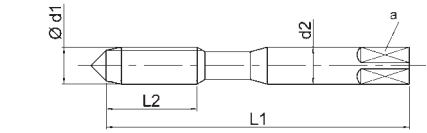
QUALITY



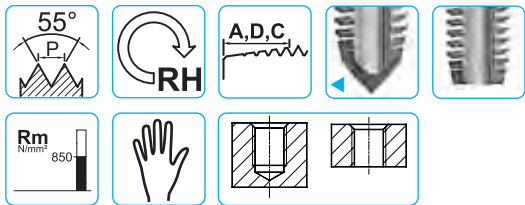
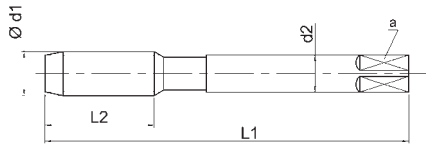
MASCHI A MANO HAND TAPS

N USO GENERALE
General purpose

~DIN 352



~DIN 352



LINE

LINE

LINE

LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

BR	BR	BR	BR
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4	2.1 2.2 2.3 3.1 3.4
4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4	4.1 4.2 4.3 4.4
5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3	5.1 5.2 5.3

2xD

2xD

2xD

2xD

HSS

HSS

HSS

HSS

-

-

med.

med.

BR

BR

BR

BR

~DIN 352	Ød1 BSW	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
▶	1/8	40	3,175	40	9	3,5	2,7	3	2,5
▶	3/16	24	4,762	50	13	6	4,9	3	3,6
▶	1/4	20	6,350	56	15	6	4,9	3	5
	5/16	18	7,938	63	19	6	4,9	3	6,5
	3/8	16	9,525	70	22	7	5,5	3	7,9
	7/16	14	11,113	70	22	8	6,2	3	9,2
	1/2	12	12,700	75	28	9	7	3	10,5
	9/16	12	14,288	80	30	11	9	4	12
	5/8	11	15,876	80	30	12	9	4	13,4
	3/4	10	19,051	95	34	14	11	4	16,4
	7/8	9	22,226	100	34	18	14,5	4	19,25
	1"	8	25,401	110	38	18	14,5	4	22
	1"1/8	7	28,576	125	45	22	18	4	24,75
	1"1/4	7	31,751	125	45	22	18	4	27,5
	1"1/2	6	38,101	150	55	28	22	4	33,5

CODICE - CODE

01W...	02W...	03W...	00W...
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o
*	*	o	o

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

100

100

100

100

● Standard
● Standard

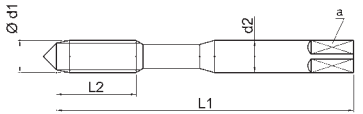
o Disponibilità da richiedere, prezzo a listino
o Lead time on enquiry, standard price-list

* Solo a richiesta
* Only on request

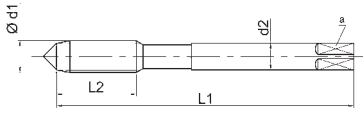
N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS

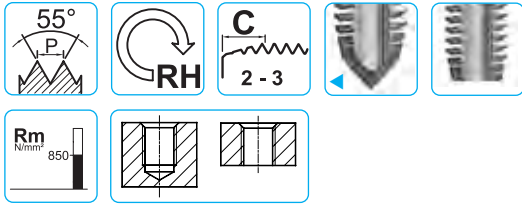
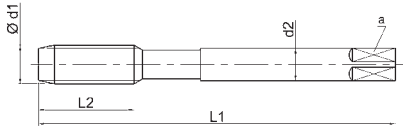
DIN 371



DIN 376



DIN 376



Profondità di filettatura - *Thread depth*
 Materiale - *Material*
 Tolleranza - *Tolerance*
 Trattamento superficiale - *Surface treatment*
 Numero gruppi materiali
Material's groups number

1,5xD	1,5xD
HSSE	HSSE
med.	med.
BR	TiN
1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4
4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3
8.2	8.2

DIN 371	Ød1 BSW	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	1/8	40	3,175	56	10	3,5	2,7	3	2,5
◀	3/16	24	4,762	70	13	6	4,9	3	3,6
◀	1/4	20	6,350	80	16	7	5,5	3	5
◀	5/16	18	7,938	90	18	8	6,2	3	6,5
◀	3/8	16	9,525	100	20	10	8	3	7,9

CODICE - CODE	
E20W...	E20W...T
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○

DIN 376	Ød1 BSW	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	5/16	18	7,938	90	18	6	4,9	3	6,5
◀	3/8	16	9,525	100	20	7	5,5	3	7,9
	7/16	14	11,113	100	20	8	6,2	3	9,2
	1/2	12	12,700	110	25	9	7	3	10,5
	9/16	12	14,288	110	28	11	9	3	12
	5/8	11	15,876	110	28	12	9	3	13,4
	3/4	10	19,051	125	32	14	11	4	16,4
	7/8	9	22,226	140	32	18	14,5	4	19,25
	1"	8	25,401	160	36	18	14,5	4	22
	1" 1/8	7	28,576	180	46	22	18	4	24,75
	1" 1/4	7	31,751	180	46	22	18	4	27,5
	1" 3/8	6	34,926	200	50	28	22	4	30,5
	1" 1/2	6	38,101	200	50	32	24	4	33,5

CODICE - CODE	
E21W...	E21W...T
*	*
*	*
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	○
○	*
○	*
○	*
○	*

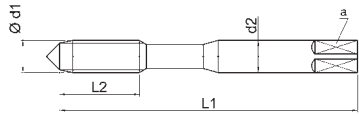
Confezione / Box: 1/8 - 7/16: 10 pezzi / pcs; 1/2 - 5/8: 5 pezzi / pcs; Oltre / up: singoli / single pcs

€ Pagina listino - Price list page

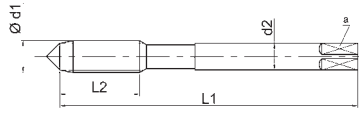
● Standard	○ Disponibilità da richiedere, prezzo a listino	★ Solo a richiesta
● Standard	○ Lead time on enquiry, standard price-list	★ Only on request

MASCHI A MACCHINA MACHINE TAPS

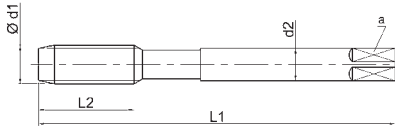
DIN 371



DIN 376



DIN 376



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment
Numero gruppi materiali Material's groups number

3xD	3xD	3xD	3xD
HSSE	HSSE	HSSE	HSSE
med.	med.	med.	med.
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
	6.1 7.1	5.1 5.2	5.2

DIN 371	$\varnothing d1$ BSW	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	1/8	40	3,175	56	10	3,5	2,7	3	2,5
◀	3/16	24	4,762	70	13	6	4,9	3	3,6
◀	1/4	20	6,350	80	16	7	5,5	3	5
◀	5/16	18	7,938	90	18	8	6,2	3	6,5
◀	3/8	16	9,525	100	20	10	8	3	7,9

E24W...	CODICE - CODE		
	E24W...V	E24W...T	E24W...XP
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*

DIN 376	$\varnothing d1$ BSW	P TPI	\varnothing mm	L_1	L_2	d_2 h9	a h12	Z	
◀	5/16	18	7,938	90	18	6	4,9	3	6,5
◀	3/8	16	9,525	100	20	7	5,5	3	7,9
	7/16	14	11,113	100	20	8	6,2	3	9,2
	1/2	12	12,700	110	25	9	7	3	10,5
	9/16	12	14,288	110	28	11	9	3	12
	5/8	11	15,876	110	28	12	9	3	13,4
	3/4	10	19,051	125	32	14	11	4	16,4
	7/8	9	22,226	140	32	18	14,5	4	19,25
	1"	8	25,401	160	36	18	14,5	4	22
	1"1/8	7	28,576	180	46	22	18	4	24,75
	1"1/4	7	31,751	180	46	22	18	4	27,5
	1"3/8	6	34,926	200	50	28	22	4	30,5
	1"1/2	6	38,101	200	50	32	24	4	33,5

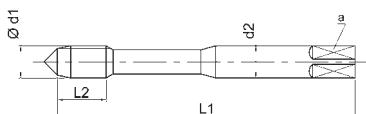
E25W...	CODICE - CODE		
	E25W...V	E25W...T	E25W...XP
*	*	*	*
*	*	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box: 1/8 - 7/16: 10 pezzi / pcs 1/2 - 5/8: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	101	101	101	101
● Standard	○ Disponibilità da richiedere, prezzo a listino			★ Solo a richiesta	
● Standard	○ Lead time on enquiry, standard price-list			★ Only on request	

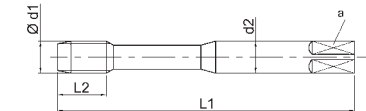
N **USO GENERALE**
General purpose

MASCHI A MACCHINA *MACHINE TAPS*

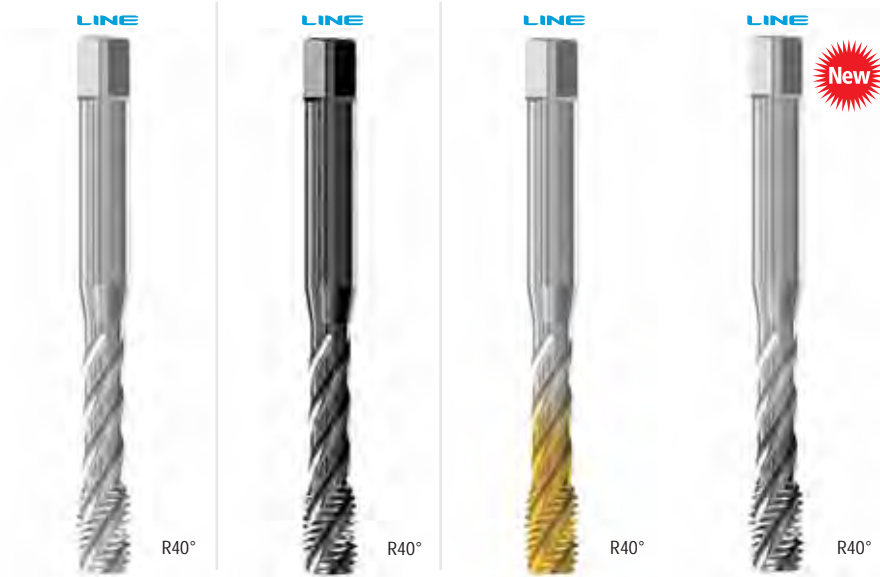
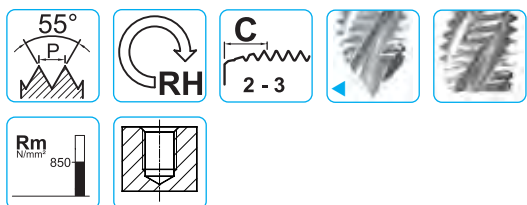
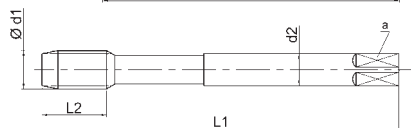
DIN 371



DIN 371



DIN 376



Profondità di filettatura - Thread depth
Materiale - Material
Tolleranza - Tolerance
Trattamento superficiale - Surface treatment

2,5xD	2,5xD	2,5xD	2,5xD
HSSE	HSSE	HSSE	HSSE
med.	med.	med.	med.
BR	V	TiN	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	4.1 4.2	3.3 3.4	2.1 2.2 3.3 3.4
5.1 5.2	5.1 5.2	4.1 4.2 4.3	4.2 4.3
		5.1 5.2	5.2

Numero gruppi materiali
Material's groups number

DIN 371	Ød1 BSW	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	1/8	40	3,175	56	5	3,5	2,7	3	2,5
◀	3/16	24	4,762	70	8	6	4,9	3	3,6
◀	1/4	20	6,350	80	10	7	5,5	3	5
	5/16	18	7,938	90	13	8	6,2	3	6,5
	3/8	16	9,525	100	15	10	8	3	7,9

CODICE - CODE			
E60W...	E60W...V	E60W...T	E60W...XP
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*

DIN 376	Ød1 BSW	P TPI	Ø mm	L ₁	L ₂	d ₂ h9	a h12	Z	
	5/16	18	7,938	90	13	6	4,9	3	6,5
	3/8	16	9,525	100	15	7	5,5	3	7,9
	7/16	14	11,113	100	15	8	6,2	3	9,2
	1/2	12	12,700	110	18	9	7	3	10,5
	9/16	12	14,288	110	20	11	9	3	12
	5/8	11	15,876	110	20	12	9	3	13,4
	3/4	10	19,051	125	25	14	11	4	16,4
	7/8	9	22,226	140	25	18	14,5	4	19,25
	1"	8	25,401	160	30	18	14,5	4	22
	1" 1/8	7	28,576	180	35	22	18	4	24,75
	1" 1/4	7	31,751	180	35	22	18	4	27,5
	1" 3/8	6	34,926	200	40	28	22	4	30,5
	1" 1/2	6	38,101	200	40	32	24	4	33,5

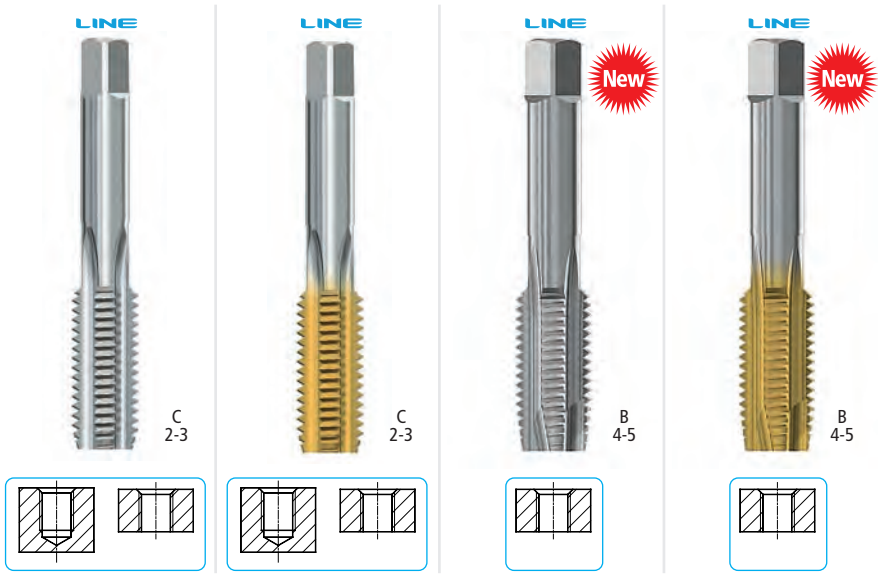
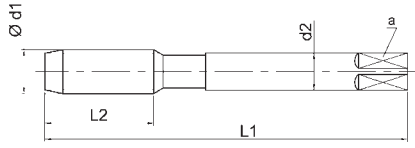
CODICE - CODE			
E61W...	E61W...V	E61W...T	E61W...XP
*	*	*	*
*	*	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
○	○	*	*
*	*	*	*
*	*	*	*
*	*	*	*
*	*	*	*

Confezione / Box: 1/8 - 7/16: 10 pezzi / pcs 1/2 - 5/8: 5 pezzi / pcs Oltre / up: singoli / single pcs	€ Pagina listino - Price list page	102	102	102	102
● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request	
● Standard					

MASCHI A MACCHINA MACHINE TAPS

N USO GENERALE
General purpose

DIN 40432



Profondità di filettatura - Thread depth	1,5xD	1,5xD	3xD	3xD
Materiale - Material	HSSE	HSSE	HSSE	HSSE
Tolleranza - Tolerance	-	-	-	-
Trattamento superficiale - Surface treatment	BR	TiN	BR	TiN
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4 3.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.2 4.3 5.2 5.3	4.2 4.3 5.2 5.3	4.1 4.2	3.3 3.4
	8.2	8.2	5.1 5.2	4.1 4.2 4.3
			5.1 5.2	

DIN 40432	Ø mm	P TPI	L ₁	L ₂	d ₂ h9	a h12	Z	
PG 7	12,5	20	70	20	9	7	3	11,4
PG 9	15,20	18	70	20	12	9	4	14
PG 11	18,60	18	80	22	14	11	4	17,25
PG 13,5	20,40	18	80	22	16	12	4	19
PG 16	22,50	18	80	22	18	14,5	4	21,25
PG 21	28,30	16	90	22	22	18	4	27
PG *21	28,30	16	90	22	20	16	4	27
PG 29	37	16	100	25	28	22	6	35,5
PG 36	47	16	140	25	36	29	6	45,5
PG *36	47	16	125	32	36	29	6	45,5
PG 42	54	16	140	28	40	32	6	52,5
PG 48	59,30	16	140	36	45	35	6	58
PG *48	59,30	16	140	32	40	32	6	58

■ = Acciaio HSS / HSS Steel

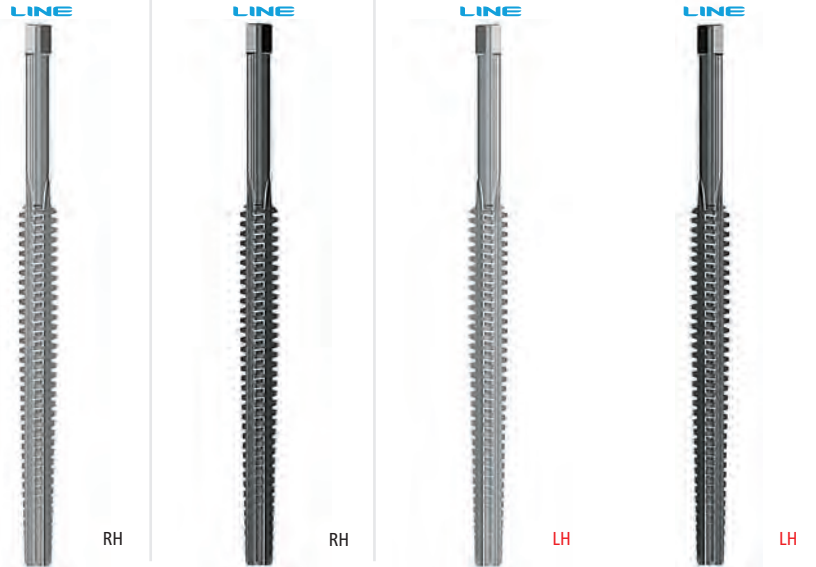
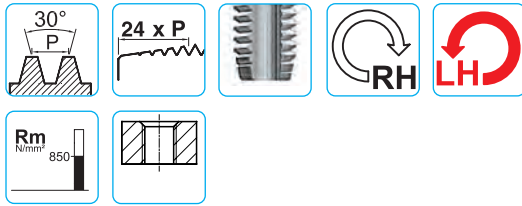
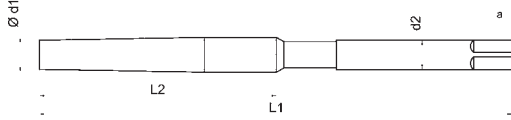
* Ad esaurimento, dimensioni secondo la vecchia edizione.
Stock exhausted, dimensions according old edition.

E21PG...	CODICE - CODE		E25PG...	E25PG...T
	E21PG...T	E25PG...		
○	*	*	*	
○	*	*	*	
○	*	*	*	
○	*	*	*	
○	*	*	*	
○	*	*	*	
○	*	*	*	
-	-	-	-	
○	*	*	*	
○	*	*	*	
-	-	-	-	
○	*	*	*	
○	*	*	*	
-	-	-	-	

Confezione: Singola Box: Single	€ Pagina listino - Price list page	103	103	103	103
	● Standard	○ Disponibilità da richiedere, prezzo a listino	○ Lead time on enquiry, standard price-list	★ Solo a richiesta	★ Only on request

N
USO GENERALE

General purpose

MASCHI TRAPEZOIDALI SINGOLI SINGLE TRAPEZOIDAL TAPS


Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

 Numero gruppi materiali
Material's groups number

2xD	2xD	2xD	2xD
HSSE	HSSE	HSSE	HSSE
7H	7H	7H	7H
BR	V	BR	V
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
3.1 3.2 3.3 3.4	3.1 3.2 3.3 3.4	3.1 3.2 3.3 3.4	3.1 3.2 3.3 3.4
4.3 4.4	4.1 4.2 4.3 4.4	4.3 4.4	4.1 4.2 4.3 4.4
5.3	5.1 5.2 5.3	5.3	5.1 5.2 5.3

Ød1 Tr	P mm	L	L ₁	d ₂ h9	a ₂ h12	Z	
10	2	130	70	7	5,5	3	8,2
10	3	155	95	7	5,5	3	7,5
12	2	160	95	8	6,2	3	10,2
12	3	160	95	8	6,2	3	9,25
14	3	170	100	10	8	4	11,25
14	4	210	130	10	8	4	10,5
16	4	225	130	11	9	4	12,25
18	4	225	130	12	9	4	14,25
20	4	230	130	14	11	4	16,25
22	5	270	160	16	12	4	17,25
24	5	280	160	18	14,5	4	19,25
26	5	280	160	20	16	4	21,25
28	5	290	160	22	18	4	23,25
30	6	330	190	22	18	4	24,25
32	6	330	190	25	20	4	26,25
36	6	350	200	28	22	4	30,25

E21TPN...	CODICE - CODE		
	E21TPN...V	E21TPN...LH	E21TPN...LH-V
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★
○	○	○	★

 A richiesta / On request:
TR-F

 Confezione: Singola
Box: Single

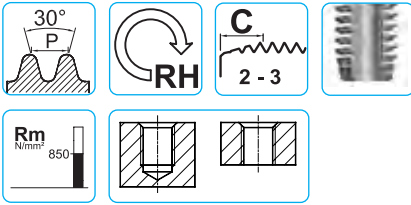
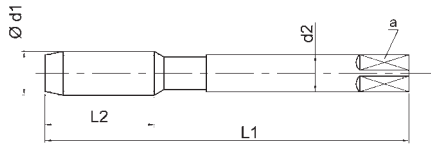
€ Pagina listino - Price list page

- Standard
- Standard

- 103
- 103
- 103
- 103
- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request

MASCHI A FILETTATURA TONDA ROUND THREAD TAPS



Profondità di filettatura - Thread depth	1xD	1xD
Materiale - Material	HSSE	HSSE
Tolleranza - Tolerance	7H	7H
Trattamento superficiale - Surface treatment	BR	TiN
Numero gruppi materiali Material's groups number	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
	4.1 4.2	3.1 3.2 3.3 3.4
	5.1 5.2	4.2 4.3 4.4
		5.2 5.3

Ød1 Rd	P TPI	L	L ₁	d ₂ h ₉	a ₂ h ₁₂	Z	
8	10	70	22	8	6,2	3	6
9	10	70	22	8	6,2	3	7
10	10	70	22	8	6,2	3	8
11	10	70	22	8	6,2	3	9
12	10	75	25	9	7	3	10
14	8	80	26	11	9	3	11,5
16	8	80	27	12	9	3	13,5
18	8	95	32	14	11	4	15,5
20	8	95	32	16	12	4	17,5
22	8	100	32	18	14,5	4	19,5
24	8	110	36	18	14,5	4	21,5
26	8	110	36	20	16	4	23,5
28	8	125	34	22	18	4	25,5
30	8	125	34	22	18	4	27,5

Altri diametri disponibili a richiesta.
Other diameters available on request.

A richiesta:
Filettatura tonda per il settore minerario DIN 20400
Filettatura tonda per il settore del trasporto su rotaia DIN 264

On request:
Round thread for mining industries DIN 20400
Round thread for rail vehicles DIN 264

CODICE - CODE	
E21RD...	E21RD...T
*	*
*	*
*	*
*	*
*	*
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*	*
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*	*
*	*

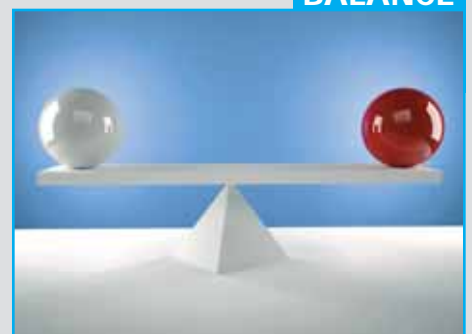
ISO529-EG M-KOMBI



ISO529 EGM KOMBI

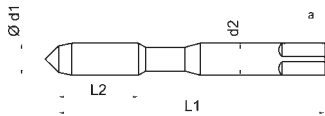
Il prezzo è importante... e lo sappiamo!
The price is important... and we know it!

BALANCE

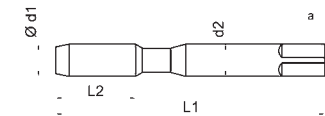


MASCHI A MACCHINA MACHINE TAPS

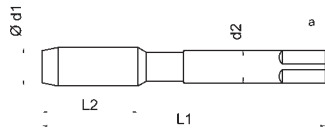
ISO 529



ISO 529



ISO 529



Profondità di filettatura - Thread depth

3XD

3xD

Materiale - Material

HSSE

PM3

Tolleranza - Tolerance

6HX

6HX

Trattamento superficiale - Surface treatment

NS

TXC

Al Si > 10%,
Ottone / Brass
Bronzo / and Bronze
a truciolo corto / with short chip

Numero gruppi materiali
Material's groups number

3.1 3.2 3.3 3.4 3.5

1.5 1.6

4.3 4.4 4.5 4.6 5.3

3.1 3.2 3.3 3.4 3.5

8.2

10.1

4.4 5.3 5.4

8.2 8.3 10.1

ISO 529	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	48	11	3,15	2,5	3	2,5
◀	4	0,7	53	13	4	3,15	3	3,3
◀	5	0,8	58	16	5	4	3	4,2
◀	6	1	66	19	6,3	5	3	5
◀	6	1	66	19	6,3	5	4	5
	8	1,25	72	22	8	6,3	4	6,8
	10	1,5	80	24	10	8	4	8,5
	12	1,75	89	29	9	7,1	4	10,30
	14	2	95	30	11,2	9	4	12
	16	2	102	32	12,5	10	4	14
	18	2,5	112	37	14	11,20	4	15,5
	20	2,5	112	37	14	11,20	4	17,5

CODICE - CODE	
529E26M...NS	*529K26M...TXC
*	*
*	*
o	*
o	-
-	*
o	*
o	*
o	*
o	*
o	*
*	-
*	-

Confezione / Box:

M3 – M10: 10 pezzi / pcs
M312 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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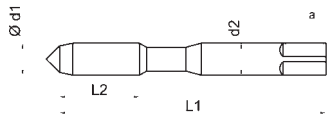
● Standard
● Standard

o Disponibilità da richiedere, prezzo a listino
o Lead time on enquiry, standard price-list

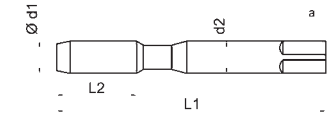
★ Solo a richiesta
★ Only on request

MASCHI A MACCHINA MACHINE TAPS

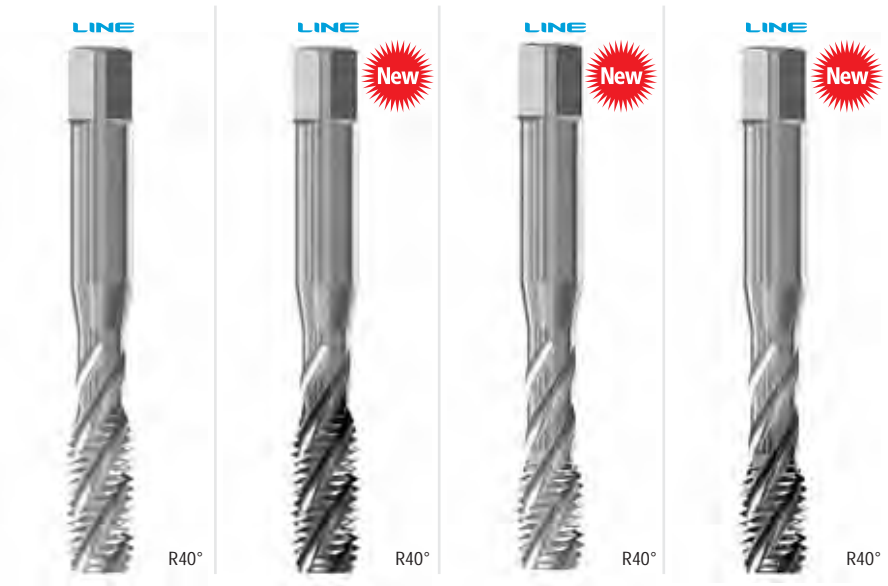
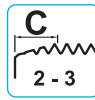
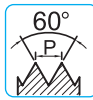
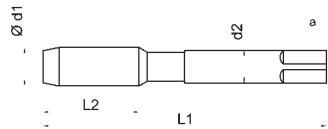
ISO 529



ISO 529



ISO 529



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2,5xD	2,5xD	2,5xD	2,5xD
HSSE	HSSE	HSSE	HSSE
ISO2/6H	ISO2/6H	ISO2/6H	ISO2/6H
BR	XP	BR	XP
1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4	1.1 1.2 1.3 1.4
4.1 4.2	2.1 2.2 3.3 3.4	5.1 5.2	2.1 2.2
5.1 5.2	4.2 4.3		5.2
	5.2		

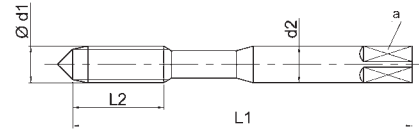
DIN 529	Ød1 M	P mm	L ₁	L ₂	d ₂ h9	a h12	Z	Z	
◀	3	0,5	48	11	3,15	2,5	3	2,5	
◀	4	0,7	53	13	4	3,15	3	3,3	
◀	5	0,8	58	16	5	4	3	4,2	
◀	6	1	66	19	6,3	5	3	5	
	8	1,25	72	22	8	6,3	3	6,8	
	10	1,5	80	24	10	8	3	8,5	
	12	1,75	89	29	9	7,1	3	10,30	
	14	2	95	30	11,2	9	3	12	
	16	2	102	32	12,5	10	4	14	
	18	2,5	112	37	14	11,20	4	15,5	
	20	2,5	112	37	14	11,20	4	17,5	
◀	3	0,5	48	5	3,15	2,5	3	2,5	
◀	4	0,7	53	7	4	3,15	3	3,3	
◀	5	0,8	58	8	5	4	3	4,2	
◀	6	1	66	10	6,3	5	3	5	
	8	1,25	72	13	8	6,3	3	6,8	
	10	1,5	80	15	10	8	3	8,5	
	12	1,75	89	18	9	7,1	3	10,30	
	14	2	95	20	11,2	9	3	12	
	16	2	102	20	12,5	10	4	14	
	18	2,5	112	25	14	11,20	4	15,5	
	20	2,5	112	25	14	11,20	4	17,5	

CODICE - CODE			
529E60M...	529E60M...XP	529E80M...	529E80M...XP
*	*		
*	*		
○	○		
○	○		
○	○		
○	○		
○	○		
○	○		
○	○		
*	*		
*	*		
		*	*
		*	*
		○	○
		○	○
		○	○
		○	○
		○	○
		○	○
		○	○
		*	*
		*	*

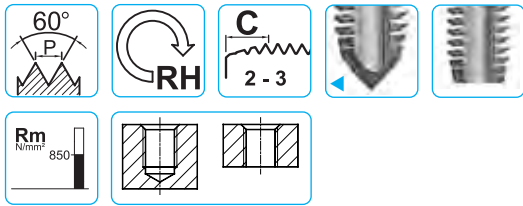
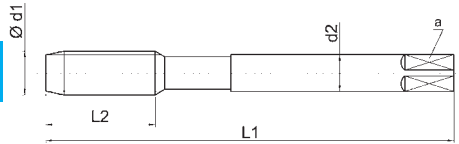
EG M



DIN
40435



DIN
40435



LINE



LINE



Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5XD

1,5xD

HSSE

HSSE

6H mod

6H mod

BR

TiN

1.1 1.2 1.3 1.4 3.4

1.1 1.2 1.3 1.4 3.4

4.2 4.3 5.2 5.3

4.2 4.3 5.2 5.3

8.2

8.2

DIN	EG M	P mm	Ød1	L ₁	L ₂	d ₂ h9	a h12	Z	
40435	3	0,5	3,65	63	13	4,5	3,4	3	3,15
	4	0,7	4,91	70	13	6	4,9	3	4,20
	5	0,8	6,04	80	16	6	4,9	3	5,25
	6	1	7,3	90	18	8	6,2	3	6,30
	8	1,25	9,624	100	20	10	8	3	8,40

CODICE - CODE	
E20EGM...	E20EGM...T
○	○
○	○
○	○
○	○
○	○

DIN	EG M	P mm	Ød1	L ₁	L ₂	d ₂ h9	a h12	Z	
40435	10	1,5	11,948	100	22	9	7	3	10,5
	12	1,75	14,274	110	28	11	9	3	12,5
	14	2	16,598	110	28	12	9	3	14,5
	16	2	18,598	125	33	14	11	4	16,5
	18	2,5	21,248	140	33	18	14,5	4	18,75
	20	2,5	23,248	160	39	18	14,5	4	20,75

CODICE - CODE	
E21EGM...	E21EGM...T
○	○
○	○
○	○
○	○
★	★
★	★

Confezione / Box:

M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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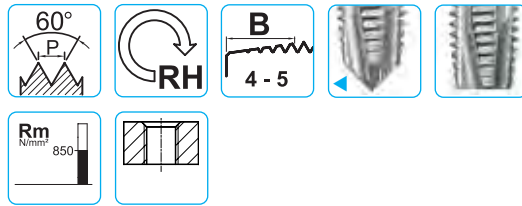
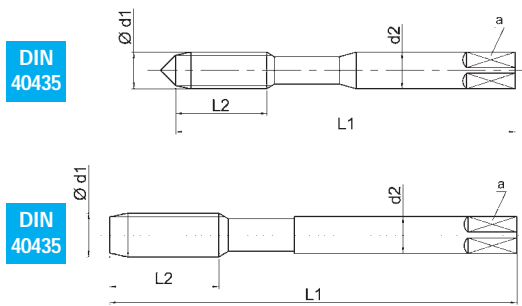
● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

N **USO GENERALE**
General purpose

MASCHI A MACCHINA MACHINE TAPS



Profondità di filettatura - *Thread depth*
 Materiale - *Material*
 Tolleranza - *Tolerance*
 Trattamento superficiale - *Surface treatment*
 Numero gruppi materiali
Material's groups number



3xD **3xD**
HSSE **HSSE**
6H mod **6H mod**
BR **XP**
 1.1 1.2 1.3 1.4 1.1 1.2 1.3 1.4
 4.1 4.2 2.1 2.2 3.3 3.4
 5.1 5.2 4.2 4.3
 5.2

DIN 40435	EG M	P mm	Ød1	L ₁	L ₂	d ₂ h9	a h12	Z	
3	0,5	3,65	63	13	4,5	3,4	3	3,15	
4	0,7	4,91	70	13	6	4,9	3	4,20	
5	0,8	6,04	80	16	6	4,9	3	5,25	
6	1	7,3	90	18	8	6,2	3	6,30	
8	1,25	9,624	100	20	10	8	3	8,40	

CODICE - CODE	
E24EGM...	E24EGM...XP
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>

DIN 40435	EG M	P mm	Ød1	L ₁	L ₂	d ₂ h9	a h12	Z	
10	1,5	11,948	100	22	9	7	3	10,5	
12	1,75	14,274	110	28	11	9	3	12,5	
14	2	16,598	110	28	12	9	3	14,5	
16	2	18,598	125	33	14	11	4	16,5	
18	2,5	21,248	140	33	18	14,5	4	18,75	
20	2,5	23,248	160	39	18	14,5	4	20,75	

CODICE - CODE	
E25EGM...	E25EGM...XP
<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>
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<input checked="" type="radio"/>	<input checked="" type="radio"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>

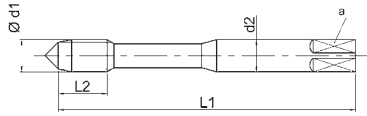
Confezione / Box: M3 – M10: 10 pezzi / pcs M12 – M16: 5 pezzi / pcs € Pagina listino - Price list page **106** **106**
 ● Standard ○ Disponibilità da richiedere, prezzo a listino ★ Solo a richiesta
 ● Standard ○ Lead time on enquiry, standard price-list ★ Only on request

MASCHI A MACCHINA MACHINE TAPS

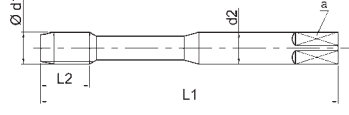
N

USO GENERALE
General purpose

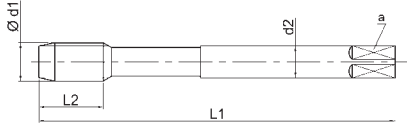
DIN 40435



DIN 40435



DIN 40435



LINE



R40°

LINE



R40°

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

2,5xD

2,5xD

HSSE

HSSE

6H mod

6H mod

BR

XP

1.1 1.2 1.3 1.4

1.1 1.2 1.3 1.4

4.1 4.2

2.1 2.2 3.3 3.4

5.1 5.2

5.2

DIN 40435	EGM	P mm	Ød1	L ₁	L ₂	d ₂ h9	a h12	Z	
◀	3	0,5	3,65	63	7	4,5	3,4	3	3,15
◀	4	0,7	4,91	70	8	6	4,9	3	4,20
◀	5	0,8	6,04	80	10	6	4,9	3	5,25
	6	1	7,3	90	13	8	6,2	3	6,30
	8	1,25	9,624	100	15	10	8	3	8,40

CODICE - CODE	
E60EGM...	E60EGM...XP
○	○
○	○
○	○
○	○
○	○

DIN 40435	EGM	P mm	Ød1	L ₁	L ₂	d ₂ h9	a h12	Z	
	10	1,5	11,948	100	13	9	7	3	10,5
	12	1,75	14,274	110	20	11	9	3	12,5
	14	2	16,598	110	20	12	9	3	14,5
	16	2	18,598	125	25	14	11	4	16,5
	18	2,5	21,248	140	25	18	14,5	4	18,75
	20	2,5	23,248	160	30	18	14,5	4	20,75

CODICE - CODE	
E61EGM...	E61EGM...XP
○	○
○	○
○	○
○	○
★	★
★	★

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

106

106

- Standard
- Standard

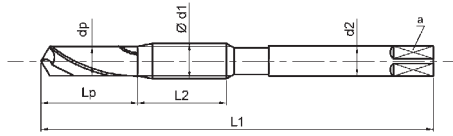
- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request

KOMBI



UFS
norm



LINE



R30°

LINE



R30°

LINE



AL
R30°

LINE



AL
R30°

Profondità di filettatura - Thread depth

Materiale - Material

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

Numero gruppi materiali
Material's groups number

1,5xD

HSSE

ISO2/6H

BR

1.1 1.2 1.3 1.4

4.3 4.2

5.2 5.3

1,5xD

HSSE

ISO2/6H

VS

1.1 1.2 1.3 1.4

3.3 3.4

4.2 4.3

5.2 5.3

1,5xD

HSSE

ISO2/6H

BR

4.1 4.2

5.1 5.2

8.1

1,5xD

HSSE

ISO2/6H

VS

4.1 4.2

5.1 5.2

8.1

UFS norm	M	P mm	L ₁	L ₂	d ₂ h9	a h12	L _p	d _p	Z
◀	3	0,5	66	10	3,5	2,7	10	2,5	2
◀	4	0,7	69	11	4,5	3,4	11	3,3	2
◀	5	0,8	81,5	11	6	4,9	12	4,2	2
◀	6	1	82,5	13	6	4,9	13	5	2
◀	8	1,25	101	14	6	4,9	18	6,8	4
◀	10	1,5	107	15	7	5,5	24	8,5	4
◀	12	1,75	120	17	9	7	25	10,3	4
◀	3	0,5	66	10	3,5	2,7	10	2,5	2
◀	4	0,7	69	11	4,5	3,4	11	3,3	2
◀	5	0,8	81,5	11	6	4,9	12	4,2	2
◀	6	1	82,5	13	6	4,9	13	5	2
◀	8	1,25	101	14	6	4,9	18	6,8	2
◀	10	1,5	107	15	7	5,5	24	8,5	2
◀	12	1,75	120	17	9	7	25	10,3	2

UFS norm	MF	P mm	L ₁	L ₂	d ₂ h9	a h12	L _p	d _p	Z
◀ new	8	1	101	14	6	4,9	18	7	4
◀ new	10	1	107	15	7	5,5	24	9	4
◀ new	10	1,25	107	15	7	5,5	24	8,8	4
◀ new	12	1,5	120	17	9	7	25	10,5	4

CODICE - CODE

EPFM...	EPFM...VS	EPFALUM...	EPFALUM...VS
○	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
●	○	○	○
-	-	○	○
-	-	○	○
-	-	○	○
-	-	○	○
-	-	○	○
-	-	○	○
-	-	○	○

CODICE - CODE

EPFMF...	EPFMF...VS
○	○
○	○
○	○
○	○

Confezione / Box:
M3 – M10: 10 pezzi / pcs
M12 – M16: 5 pezzi / pcs

€ Pagina listino - Price list page

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107

107

● Standard
● Standard

○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request



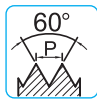
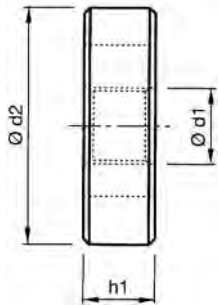
Alla data prevista il corriere consegna!
Goods are delivered punctually on the given date

ON TIME



FILIERE TONDE IMBOCCO CORRETTO ROUND SPLIT DIES WITH SPIRAL POINTED

DIN - EN 22568



LINE



LINE



LINE



Filettatura sinistra - LH
Left hand

Inox
Stainless Steel

Materiale - Material	HSS	HSS	HSSE
Imbocco - Chamfer	1,75 x P	1,75 x P	1,75 x P
Tolleranza - Tolerance	ISO / 6g	ISO / 6g	ISO / 6g
Trattamento superficiale - Surface treatment	BR	BR	BR

Ød ₁ MF	P mm	Ød ₂	h ₁	CODICE - CODE		
				110-99M...	110S99M...	110E99XM...
2	0,25	16	5	○	*	-
2,2	0,25	16	5	○	*	-
2,5	0,35	16	5	○	*	-
3	0,35	20	5	○	*	*
4	0,5	20	5	○	○	○
5	0,5	20	5	○	○	○
6	0,75	20	7	○	○	○
7	0,75	25	9	○	○	*
8	0,75	25	9	○	○	*
8	1	25	9	○	○	○
9	0,75	25	9	○	○	*
9	1	25	9	○	○	*
10	0,75	30	11	○	○	○
10	1	30	11	○	○	○
10	1,25	30	11	○	○	*
11	1	30	10	○	○	*
12	1	38	10	○	○	○
12	1,25	38	10	○	○	○
12	1,5	38	10	○	○	○
13	1	38	10	○	*	*
13	1,5	38	10	○	*	*
14	1	38	10	○	○	○
14	1,25	38	10	○	○	○
14	1,5	38	10	○	○	○
15	1	38	10	○	○	*
15	1,5	38	10	○	○	*
16	1	45	14	○	○	○
16	1,25	45	14	○	○	*
16	1,5	45	14	○	○	○
18	1	45	14	○	○	○
18	1,5	45	14	○	○	○

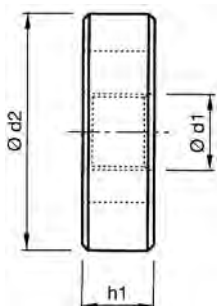
Segue diametri
Diameters, to be continued

Pag. 238-239

Confezione / Box: Singola / Single	€ Pagina listino - Price list page	112	113	113
	● Standard	○ Disponibilità da richiedere, prezzo a listino		* Solo a richiesta
	● Standard	○ Lead time on enquiry, standard price-list		* Only on request

FILIERE TONDE IMBOCCO CORRETTO ROUND SPLIT DIES WITH SPIRAL POINTED

DIN - EN 22568



Filettatura sinistra - LH
Left hand

Inox
Stainless Steel

- Materiale - Material
- Imbocco - Chamfer
- Tolleranza - Tolerance
- Trattamento superficiale - Surface treatment

- HSS
- 1,75 x P
- ISO / 6g
- BR

- HSS
- 1,75 x P
- ISO / 6g
- BR

- HSSE
- 1,75 x P
- ISO / 6g
- BR

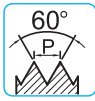
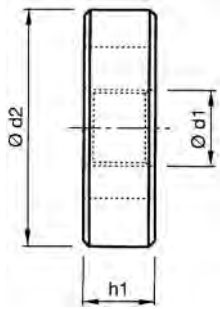
Ød ₁ MF	P mm	Ød ₂	h ₁	CODICE - CODE		
				110-99M...	110S99M...	110E99XM...
18	2	45	14	○	○	○
20	1	45	14	○	○	○
20	1,5	45	14	○	○	○
20	2	45	14	○	○	○
22	1	55	16	○	-	-
22	1,5	55	16	○	-	-
22	2	55	16	○	-	-
24	1	55	16	○	-	-
24	1,5	55	16	○	-	-
24	2	55	16	○	-	-
25	1	55	16	○	-	-
25	1,5	55	16	○	-	-
25	2	55	16	○	-	-
26	1	55	16	○	-	-
26	1,5	55	16	○	-	-
26	2	55	16	○	-	-
27	1	65	18	○	-	-
27	1,5	65	18	○	-	-
27	2	65	18	○	-	-
28	1	65	18	○	-	-
28	1,5	65	18	○	-	-
28	2	65	18	○	-	-
30	1	65	18	○	-	-
30	1,5	65	18	○	-	-
30	2	65	18	○	-	-
32	1	65	18	○	-	-
32	1,5	65	18	○	-	-
32	2	65	18	○	-	-
33	1	65	18	○	-	-
33	1,5	65	18	○	-	-
33	2	65	18	○	-	-

Segue diametri
Diameters, to be continued ▶ Pag. 239

FILIERE TONDE IMBOCCO CORRETTO ROUND SPLIT DIES WITH SPIRAL POINTED

DIN - EN 22568

LINE



Materiale - Material

HSS

Imbocco - Chamfer

1,75 x P

Tolleranza - Tolerance

ISO / 6g

Trattamento superficiale - Surface treatment

BR

Ød ₁ MF	P mm	Ød ₂	h ₁	CODICE - CODE
				110-99M...
34	1	65	18	○
34	1,5	65	18	○
35	1	65	18	○
35	1,5	65	18	○
35	2	65	18	○
36	1,5	65	18	○
36	2	65	18	○
36	3	65	25	○
38	1	75	20	○
38	1,5	75	20	○
38	2	75	20	○
39	1,5	75	20	○
39	2	75	20	○
39	3	75	30	○
40	1,5	75	20	○
40	2	75	20	○
40	3	75	30	○
42	1,5	75	20	○
42	2	75	20	○
42	3	75	30	○
45	1,5	90	22	○
45	2	90	22	○
45	3	90	36	○
48	1,5	90	22	○
48	2	90	22	○
48	3	90	36	○
50	1,5	90	22	○
50	2	90	22	○
50	3	90	36	○
52	1,5	90	22	○
52	2	90	22	○
52	3	90	36	○

Confezione: Singola
 Box: Single

€ Pagina listino - Price list page

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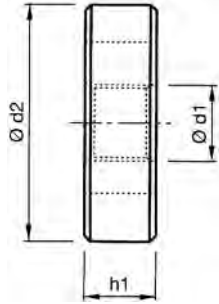
● Standard
 ● Standard

○ Disponibilità da richiedere, prezzo a listino
 ○ Lead time on enquiry, standard price-list

★ Solo a richiesta
 ★ Only on request

FILIERE TONDE IMBOCCO CORRETTO ROUND SPLIT DIES WITH SPIRAL POINTED

DIN - EN 24231



Materiale - Material

Imbocco - Chamfer

Tolleranza - Tolerance

Trattamento superficiale - Surface treatment

LINE

LINE

LINE



Filettatura sinistra - LH
Left hand

Inox
Stainless Steel

HSS

HSS

HSSE

1,75 x P

1,75 x P

1,75 x P

A

A

A

BR

BR

BR

Ød ₁ GAS	TPI	Ød ₂	h ₁
1/8	28	30	11
1/4	19	38	10
3/8	19	45	14
1/2	14	45	14
5/8	14	55	16
3/4	14	55	16
7/8	14	65	18
1"	11	65	18
1" 1/8	11	75	20
1" 1/4	11	75	20
1" 3/8	11	90	22
1" 1/2	11	90	22
1" 3/4	11	105	22
* 1" 3/4	11	90	22
2"	11	105	22

* Dimensioni speciali / Special size

400-99G...	CODICE - CODE 400S99G...	400E99XG...
○	○	○
○	○	○
○	○	○
○	○	○
○	*	*
○	○	○
○	*	*
○	○	○
○	*	*
○	*	*
○	*	*
○	*	*
*	*	*
○	*	*



Vi possiamo offrire anche filiere a musone o speciali.

We also supply bell form dies or special.

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

115

115

115

● Standard
● Standard

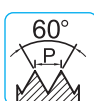
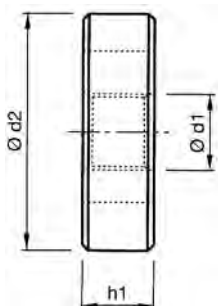
○ Disponibilità da richiedere, prezzo a listino
○ Lead time on enquiry, standard price-list

★ Solo a richiesta
★ Only on request

FILIERE TONDE IMBOCCO CORRETTO ROUND SPLIT DIES WITH SPIRAL POINTED

DIN - EN 22568

LINE



Materiale - Material

HSS

Imbocco - Chamfer

1,75 x P

Tolleranza - Tolerance

-

Trattamento superficiale - Surface treatment

BR

Ød ₁ * NPT	TPI	Ød ₂	h ₁
1/16	27	25	10
1/8	27	38	10
1/8	27	30	10
1/4	18	38	15
3/8	18	45	15,3
1/2	14	45	20
3/4	14	65	20,2
3/4	14	55	20,2
1"	11,5	65	25
1" 1/4	11,5	75	25,6
1" 1/2	11,5	90	26
2"	11,5	105	26,9

*ANSI/ASME B1.20.1

Ød ₁ * NPTF	TPI	Ød ₂	h ₁
1/16	27	25	11
1/8	27	38	10
1/4	18	38	15
3/8	18	45	15
1/2	14	45	20
3/4	14	65	20,2
3/4	14	55	20,2
1"	11,5	65	25

*ANSI/ASME B1.20.3

CODICE - CODE

420-99NPT...

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CODICE - CODE

430-99NPTF...

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o

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o

Confezione: Singola
Box: Single

€ Pagina listino - Price list page

115

- Standard
- Standard

- Disponibilità da richiedere, prezzo a listino
- Lead time on enquiry, standard price-list

- ★ Solo a richiesta
- ★ Only on request



Il cliente UFS non è mai lasciato solo
UFS customers are never left alone

ASSISTANCE



L'AZIENDA E I SUOI PRODOTTI

Materiali impiegati

Used material

La resa di un utensile è determinata da un insieme di fattori, ma alla base di tutto vi è il materiale con cui è stato costruito l'utensile stesso. La UFS si avvale dei migliori acciai super rapidi ad alto contenuto di cobalto (5% ed oltre, oppure ad alta percentuale di Vanadio) e di acciai da polveri sinterizzate (PM, PM1, PM3 con alte % di Co e Co + Vanadio). Questi ultimi presentano una struttura molto più omogenea, con distribuzione finissima dei carburi, con corrispondente minor pericolo di scheggiatura, minor usura e ottime prestazioni sui materiali ad alta resistenza.

- Acciaio HSSE con 5% di Cobalto impiegato per materiali da lavorare con $R < 850 \text{ N/mm}^2$
- Acciaio HSSP con più alta percentuale di Cobalto impiegato per materiali da lavorare con $R < 1000 \text{ N/mm}^2$
- Acciaio HSSV3 con alta percentuale di Vanadio impiegato per INOX
- Acciai PM sinterizzati ad alto contenuto di Cobalto e Vanadio impiegato per materiali da lavorare con $R > 1000 \text{ N/mm}^2$

The tool yield is determined by several factors, but most fundamental is the material. UFS uses the best high speed steels of high cobalt content (5% and over, or a high percentage of vanadium) and steels made from sintered powders (PM, PM1, PM3 high % of Co and Co + Va). This materials show a more homogeneous structure, with low carbide content, and with a correspondingly reduced risk of splintering, less wear and better performance on materials of high resistance.

- HSSE steel with 5% of Cobalt used for materials to work with $R < 850 \text{ N/mm}^2$
- HSSP steels with higher Cobalt percentage (or vanadium) used for materials to work with $R < 1000 \text{ N/mm}^2$
- HSSV3 steel with high percentage of Vanadium, for Inox
- Sintered PM steels of a high cobalt and vanadium content used for materials to work with $R > 1000 \text{ N/mm}^2$



Trattamenti termici

Heat Treatments

Il trattamento termico è un fattore determinante per la resa dell'utensile e consiste in: **preriscaldi - tempra - rinvenimenti**. I preriscaldi sono graduali e la tempra è assistita da accuratissimi controlli della temperatura e dei tempi di austenitizzazione. Seguono 4-5 rinvenimenti per la trasformazione completa della struttura. Il controllo del grano austenitico avviene dopo l'austenitizzazione ed il controllo della durezza e della struttura dopo ogni singolo rinvenimento. Il trattamento termico viene eseguito in forni "sottovuoto" che garantiscono una tempra di alta qualità.

*Heat treatment is a conclusive factor for the yield of the tool and consists of **preheating - hardening - tempering**. The preheating is gradual and the tempering is assisted by very accurate controls of the temperature and the times of austenitisation. Then 4-5 recoveries follow for the complete transformation of the structure. The check of the austenitic grain occurs after the austenitisation and the hardness and the structure check after each recovery. Heat treatment are performed in vacuum ovens, which guarantee high quality tempering*

Qualità dei prodotti

Products' quality

I nostri controlli si basano da sempre su analisi metallografiche e dimensionali. Con la nuova realtà definita UFS Technology il prodotto, a campione, viene sottoposto a test di durata e a miglioramenti, specie per prodotti studiati su materiali particolari, a richiesta della Clientela.

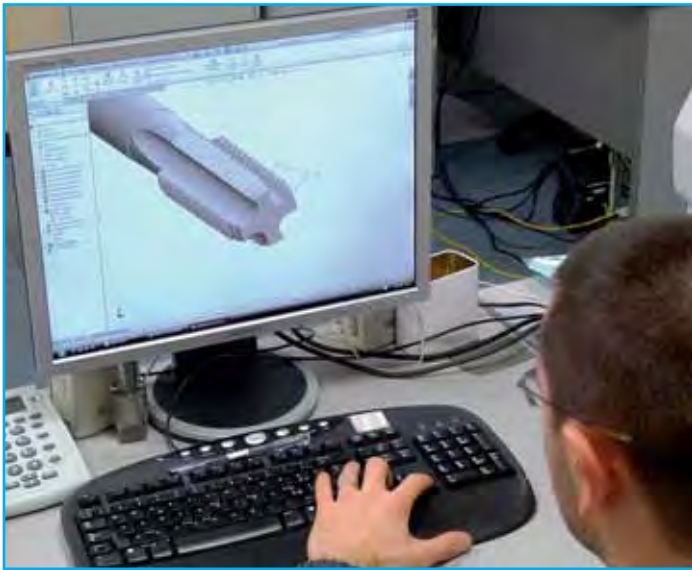
Il personale dedicato lavora a tempo pieno sia sull'avanzamento prodotto UFS sia nella definizione delle nuove forme di utensili adatti a materiali nuovi o di dichiarato interesse in Progetti di Ricerca Europei, in collaborazione con il Politecnico di Torino - Facoltà di Scienza dei Materiali - e di altre simili ed importanti Facoltà Europee, tra cui Aachen e Bilbao.

Questo ci dà modo di sperimentare materiali di indubbia difficoltà, come le leghe ceramiche, ghise particolari, leghe aeronautiche e spaziali, per citarne alcune; i processi migliorativi definiti su tali materiali ci aiutano ad innalzare il livello qualitativo della normale produzione standard.

Our checks have always been based on metallographic and dimensional tests. Thanks to the new UFS Technology, the sample product subjected is tested for durability and improved, especially with products designed using special materials at the customer's request.

The staff appointed to these operations work full time both in UFS product improvement and in defining new tool shapes suitable for new materials or materials required for European Research Projects, together with Polytechnic University of Turin, Faculty of Materials Science as well as other important European Universities, including Aachen and Bilbao.

This allows us to test undoubtedly difficult materials, like ceramic alloys, special cast iron, aeronautical and space alloys, among others; the improvement processes established for these materials help us to raise the quality level of the standard production.



Obiettivi

Purposes

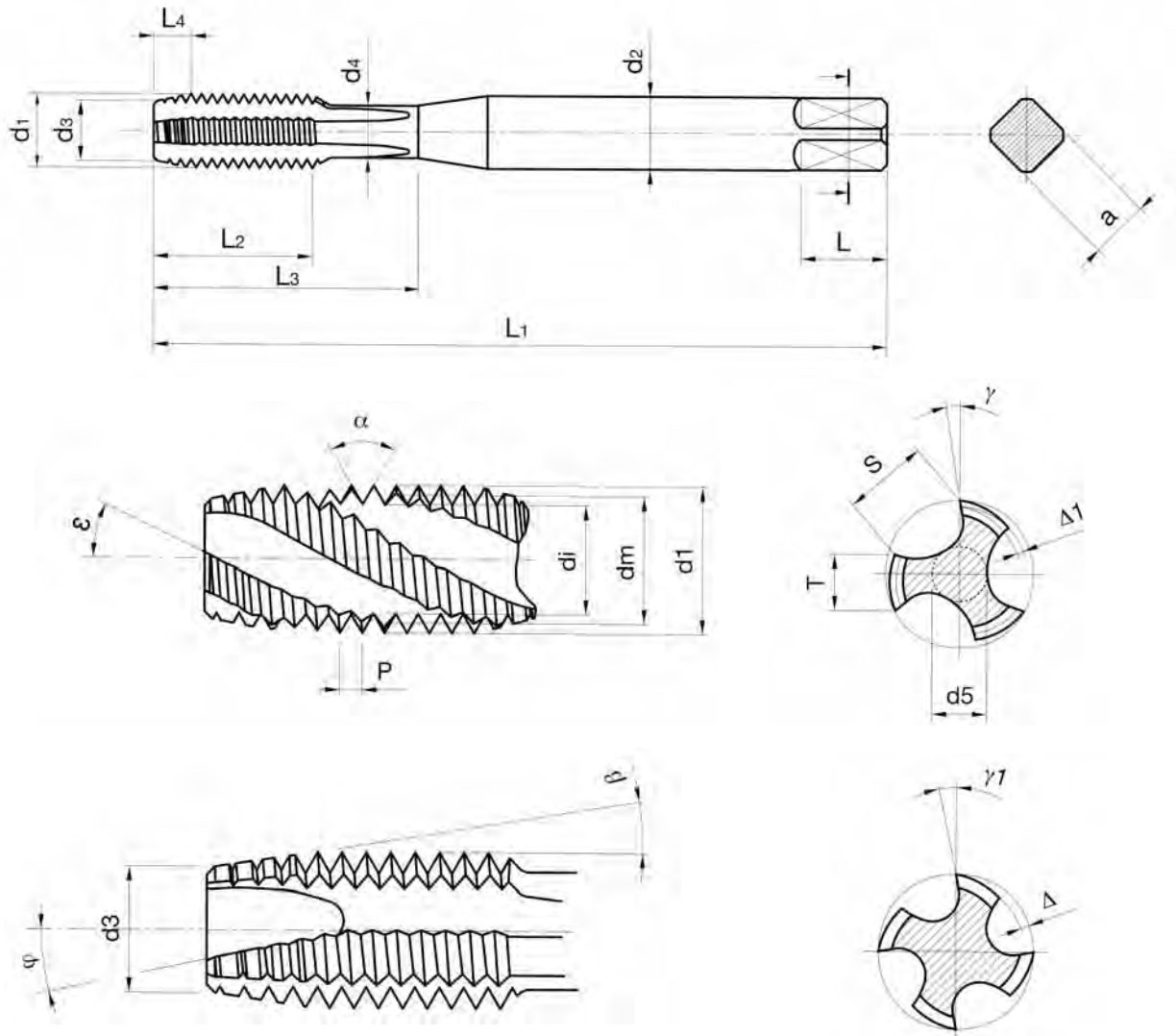
Gli obiettivi definiti nel precedente catalogo sono stati ampiamente raggiunti e nel corso di questi ultimi anni i processi di produzione stabilizzati ci hanno dato modo di innalzare la qualità e la ripetibilità del prodotto.

Non ci resta che confermare la rotta nella stessa direzione di miglioramento continuo, con la caparbieta che ci accompagna.

The aims set out in our previous catalogue have been widely achieved and during these last few years the consolidated production processes have allowed us to increase product quality and repeatability. We only have to continue in this quest for continuous improvement, with our characteristic determination.

TERMINOLOGIA DEI MASCHI

TAP'S TERMINOLOGY



LEGENDA

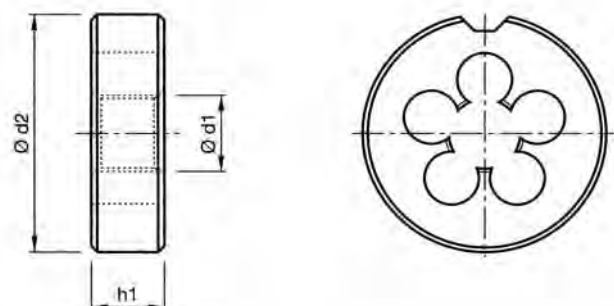
LEGEND

L1: Lunghezza totale – <i>Total length</i>	d2: Diametro del gambo – <i>Shank diameter</i>	γ1: Angolo di taglio frontale – <i>Rake angle</i>
L2: Lunghezza filetto – <i>Thread length</i>	d4: Diametro del collarino – <i>Neck diameter</i>	γ: Angolo di taglio sull'imbocco corretto – <i>Rake angle of spiral point</i>
L4: Lunghezza imbocco – <i>Chamfer length</i>	d3: Diametro di imbocco – <i>Chamfer diameter</i>	β: Angolo di imbocco – <i>Chamfer angle</i>
L3: Lunghezza utile – <i>Useful length</i>	dm: Diametro medio – <i>Pitch diameter</i>	ϵ: Inclinazione dell'elica – <i>Spiral flute angle</i>
L: Lunghezza quadro – <i>Length of square</i>	di: Diametro interno – <i>Minor diameter</i>	Δ: Spoglia sull'imbocco – <i>Chamfer relief</i>
P: Passo – <i>Pitch</i>	d5: Diametro nucleo – <i>Core diameter</i>	Δ1: Spoglia sul filetto – <i>Pitch diameter relief</i>
S: Larghezza scanalatura – <i>Flute width</i>	T: Larghezza del dente – <i>Width of land</i>	a: Quadro – <i>Square</i>
d1: Diametro est. nominale – <i>Major diameter</i>	α: Angolo del profilo – <i>Included angle of thread</i>	ϕ: Angolo inclinazione imbocco corretto – <i>Spiral point angle</i>

TERMINOLOGIA FILIERE

DIES TERMINOLOGY

d1: Diametro nominale – <i>Nominal diameter</i>
d2: Diametro esterno – <i>External diameter</i>
h1: Spessore – <i>Thickness</i>

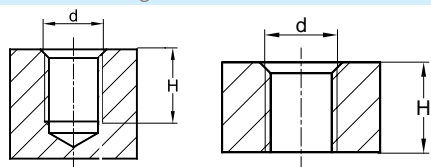


TIPI DI FORO E RELATIVI MASCHI CONSIGLIATI

HOLE TYPES AND RECOMMENDED TAPS

Fori ciechi e passanti

Blind and through holes



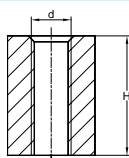
$H < 1,5 d$

E20



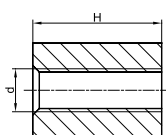
Fori passanti

Through holes



$H < 3 d$

E24



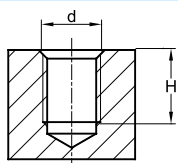
$H < 3 d$

E50



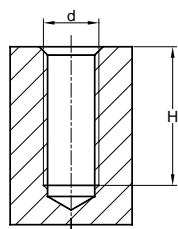
Fori ciechi

Blind holes



$H < 1,5 d$

E40



$H < 2,5 d$

E60



$H 2,5 \div 3 d$

E80



BT = Back Tapered
Rastremazione posteriore del filetto

$H > 3 d$

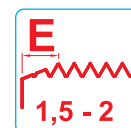
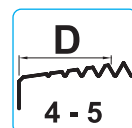
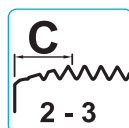
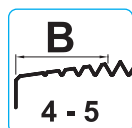
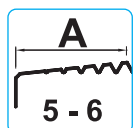
E82



TIPI DI IMBOCCO

CHAMFER'S TYPE

Lunghezza
Length
n° x P




PREFORI DI MASCHIATURA PER MASCHI AD ASPORTAZIONE

TAPPING DRILL SIZES FOR CUTTING TAPS

Filettatura metrica ISO DIN 13


ISO Metric coarse thread DIN 13

M	P mm		Ø di foratura 6H - drill sizes	
			min	max
*M 1	0,25	0,75	0,729	0,785
*M 1,1	0,25	0,85	0,829	0,885
*M 1,2	0,25	0,95	0,929	0,985
*M 1,4	0,30	1,10	1,075	1,142
M 1, 6	0,35	1,25	1,221	1,321
M 1,70	,35	1,35	1,321	1,421
M 1,8	0,35	1,45	1,421	1,521
M 2	0,40	1,60	1,567	1,679
M 2,2	0,45	1,75	1,713	1,838
M 2,3	0,4	1,90	1,813	1,938
M 2,5	0,45	2,05	2,013	2,138
M 2,6	0,45	2,10	2,113	2,238
M 3	0,50	2,50	2,459	2,599
M 3,5	0,60	2,90	2,850	3,010
M 4	0,70	3,30	3,242	3,422
M 4, 5	0,75	3,70	3,688	3,878
M 5	0,80	4,20	4,134	4,334
M 6	1,00	5,00	4,917	5,153
M 7	1,00	6,00	5,917	6,153
M 8	1,25	6,80	6,647	6,912
M 9	1,25	7,80	7,647	7,912
M 10	1,50	8,50	8,376	8,676
M 11	1,50	9,50	9,376	9,676
M 12	1,75	10,30	10,106	10,441
M 14	2,00	12,00	11,835	12,210
M 16	2,00	14,00	13,835	14,210
M 18	2,50	15,50	15,294	15,744
M 20	2,50	17,50	17,294	17,744
M 22	2,50	19,50	19,294	19,744
M 24	3,00	21,00	20,752	21,252
M 27	3,00	24,00	23,752	24,252
M 30	3,50	26,50	26,211	26,771
M 33	3,50	29,50	29,211	29,771
M 36	4,00	32,00	31,670	32,270
M 39	4,00	35,00	34,670	35,270
M 42	4,50	37,50	37,129	37,799
M 45	4,50	40,50	40,129	40,799
M 48	5,00	43,00	42,587	43,297
M 52	5,00	47,00	46,587	47,297
M 56	5,50	50,50	50,046	50,796
M 60	5,50	54,50	54,046	54,796
M 64	6,00	58,00	57,505	58,308
M 68	6,00	62,00	61,505	62,305

* Tolleranza, tolerance: 5H

Filettatura MJ, MJ thread

DIN ISO 5855

MJ	P mm		Ø di foratura 5H - drill sizes	
			min	max
*MJ 3	0,50	2,60	2,513	2,653
*MJ 4	0,70	3,40	3,318	3,498
*MJ 5	0,80	4,30	4,221	4,421
MJ 6	1	5,10	5,026	5,216
MJ 8	1	7,10	7,026	7,216
MJ 8	1,25	6,90	6,782	6,994
MJ 10	1	9,10	9,026	9,216
MJ 10	1,25	8,90	8,782	8,994
MJ 10	1,5	8,60	8,539	8,775
MJ 12	1,25	10,90	10,782	10,994
MJ 12	1,5	10,60	10,539	10,775
MJ 12	1,75	10,40	10,295	10,560
MJ 14	1,5	12,60	12,539	12,775
MJ 14	2	12,20	12,051	12,351
MJ 16	1,5	14,60	14,539	14,775
MJ 16	2	14,20	14,051	14,351

* Tolleranza, tolerance: 6H



Importante: fate attenzione al diametro di foratura


Important: pay attention to the drills' diameter

PREFORI DI MASCHIATURA PER MASCHI AD ASPORTAZIONE

TAPPING DRILL SIZES FOR CUTTING TAPS


Filettatura metrica ISO passo fine DIN 13

ISO metric fine thread DIN 13

MF	P mm		Ø di foratura 6H - drill sizes	
			min	max
M 4	0,5	3,50	3,459	3,599
M 4,5	0,5	4,00	3,959	4,099
M 5	0,5	4,50	4,459	4,599
M 6	0,5	5,50	5,459	5,599
M 6	0,75	5,25	5,188	5,378
M 7	0,75	6,25	6,188	6,378
M 8	0,5	7,50	7,459	7,599
M 8	0,75	7,25	7,188	7,378
M 8	1	7,00	6,917	7,153
M 9	0,75	8,25	8,188	8,378
M 9	1	8,00	7,917	8,153
M 10	0,5	9,50	9,459	9,599
M 10	0,75	9,25	9,188	9,378
M 10	1	9	8,917	9,153
M 10	1,25	8,75	8,647	8,912
M 11	1	10	9,917	10,153
M 12	0,5	11,5	11,459	11,599
M 12	0,75	11,25	11,188	11,378
M 12	1	11	10,917	11,153
M 12	1,25	10,75	10,647	10,912
M 12	1,5	10,5	10,376	10,676
M 13	1	12	11,917	12,153
M 14	1	13	12,917	13,153
M 14	1,25	12,75	12,647	12,912
M 14	1,5	12,5	12,376	12,676
M 15	1	14	13,917	14,153
M 15	1,5	13,5	13,376	13,676
M 16	1	15	14,917	15,153
M 16	1,25	14,8	14,647	14,912
M 16	1,5	14,5	14,376	14,676
M 17	1	16	15,917	16,153
M 17	1,5	15,5	15,376	15,676
M 18	1	17	16,917	17,153
M 18	1,5	16,5	16,376	16,676
M 18	2	16	15,835	16,210
M 20	1	19	18,917	19,153
M 20	1,5	18,5	18,376	18,676
M 20	2	18	17,835	18,210
M 22	1	21	20,917	21,153
M 22	1,5	20,5	20,376	20,676
M 22	2	20	19,835	20,210
M 24	1	23	22,917	23,153
M 24	1,5	22,5	22,376	22,676
M 24	2	22	21,835	22,210
M 25	1	24	23,917	24,153
M 25	1,5	23,5	23,376	23,676
M 25	2	23	22,835	23,210
M 26	1,5	24,5	24,376	24,676
M 27	1	26	25,917	26,153
M 27	1,5	25,5	25,376	25,676
M 27	2	25	24,835	25,210

Filettatura metrica ISO passo fine DIN 13

ISO metric fine thread DIN 13


MF	P mm		Ø di foratura 6H - drill sizes	
			min	max
M 28	1	27	26,917	27,153
M 28	1,5	26,5	26,376	26,676
M 28	2	26	25,835	26,210
M 30	1	29	28,917	29,153
M 30	1,5	28,5	28,376	28,676
M 30	2	28	27,835	28,210
M 30	3	27	26,752	27,252
M 32	1,5	30,5	30,376	30,676
M 32	2	30	29,835	30,210
M 33	1,5	31,5	31,376	31,676
M 33	2	31	30,835	31,210
M 33	3	30	29,752	30,252
M 34	1,5	32,5	32,376	32,676
M 35	1,5	33,5	33,376	33,676
M 36	1,5	34,5	34,376	34,676
M 36	2	34	33,835	34,210
M 36	3	33	32,752	33,252
M 38	1,5	36,5	36,376	36,676
M 39	1,5	37,5	37,376	37,676
M 39	2	37	36,835	37,210
M 39	3	36	35,752	36,252
M 40	1,5	38,5	38,376	38,676
M 40	2	38	37,835	38,210
M 40	3	37	36,752	37,252
M 42	1,5	40,5	40,376	40,676
M 42	2	40	39,835	40,210
M 42	3	39	38,752	39,252
M 42	4	38	37,670	38,270
M 45	1,5	43,5	43,376	43,676
M 45	2	43	42,835	43,210
M 45	3	42	41,752	42,252
M 45	4	41	40,670	41,270
M 48	1,5	46,5	46,376	46,676
M 48	2	46	45,835	46,210
M 48	3	45	44,752	45,252
M 48	4	44	43,670	44,270
M 50	1,5	48,5	48,376	48,676
M 50	2	48	47,835	48,210
M 50	3	47	46,752	47,252
M 52	1,5	50,5	50,376	50,676
M 52	2	50	49,835	50,210
M 52	3	47	46,587	47,087
M 52	4	48	47,670	48,270
M 55	1,5	53,5	53,376	53,676
M 55	2	53	52,835	53,210
M 55	3	52	51,752	52,252
M 55	4	51	50,670	51,270
M 56	1,5	54,5	54,376	54,676
M 56	2	54	53,835	54,210
M 56	3	53	52,752	53,252
M 56	4	52	51,670	52,270

PREFORI DI MASCHIATURA PER MASCHI AD ASPORTAZIONE

TAPPING DRILL SIZES FOR CUTTING TAPS


Filettatura metrica ISO passo fine DIN 13

ISO metric fine thread DIN 13

MF	P mm		Ø di foratura 6H - drill sizes	
			min	max
M 58	1,5	56,5	56,376	56,676
M 58	2	56	55,835	56,210
M 58	3	55	54,752	55,252
M 58	4	54	53,670	54,270
M 60	1,5	58,5	58,376	58,676
M 60	2	58	57,835	58,210
M 60	3	57	56,752	57,252
M 60	4	56	55,670	56,270
M 62	1,5	60,5	60,376	60,676
M 62	2	60	59,835	60,210
M 62	3	59	58,752	59,252
M 62	4	58	57,670	58,270
M 64	1,5	62,5	62,376	62,676
M 64	2	62	61,835	62,210
M 64	3	61	60,752	61,252
M 64	4	60	59,670	60,270
M 65	1,5	63,5	63,376	63,676
M 65	2	63	62,835	63,210
M 65	3	62	61,752	62,252
M 65	4	61	60,670	61,270
M 68	1,5	66,5	66,376	66,676
M 68	2	66	65,835	66,210
M 68	3	65	64,752	65,252
M 68	4	64	63,670	64,270
M 70	1,5	68,5	68,376	68,676
M 70	2	68	67,835	68,210
M 70	3	67	66,752	67,252
M 70	4	66	65,670	66,270
M 70	6	64	63,505	64,305
M 72	1,5	70,5	70,376	70,676
M 72	2	70	69,835	70,210
M 72	3	69	68,752	69,252
M 72	4	68	67,670	68,270
M 72	6	66	65,505	66,305
M 75	1,5	73,5	73,376	73,676
M 75	2	73	72,835	73,210
M 75	3	72	71,752	72,252
M 75	4	71	70,670	71,270
M 76	1,5	74,5	74,376	74,676
M 76	2	74	73,835	74,210
M 76	3	73	72,752	73,252
M 76	4	72	71,670	72,270
M 76	6	70	69,505	70,305
M 80	1,5	78,5	78,376	78,676
M 80	2	78	77,835	78,210
M 80	3	77	76,752	77,252
M 80	4	76	75,670	76,270
M 80	6	74	73,505	74,305
M 85	2	83	82,835	83,210
M 85	3	82	81,752	82,252
M 85	4	81	80,670	81,270
M 85	6	79	78,505	79,305


Filettatura americana UNC ASME B1.1

UNC coarse thread ASME B1.1

UNC	P TPI		Ø di foratura 2B - drill sizes	
			min	max
Nr. 6	32	2,85	2,642	2,896
Nr. 8	32	3,50	3,302	3,531
Nr. 10	24	3,90	3,683	3,937
Nr. 12	24	4,50	4,343	4,597
1/4	20	5,10	4,978	5,258
5/16	18	6,60	6,401	6,731
3/8	16	8,00	7,798	8,153
7/16	14	9,40	9,144	9,550
1/2	13	10,80	10,592	11,024
9/16	12	12,20	11,989	12,446
5/8	11	13,50	13,386	13,868
3/4	10	16,50	16,307	16,840
7/8	9	19,50	19,177	19,761
1"	8	22,25	21,971	22,606
1"-1/8	7	25,00	24,638	25,349
1"-1/4	7	28,00	27,813	28,524
1"-3/8	6	30,75	30,353	31,155
1"-1/2	6	34,00	33,528	34,290
1"-3/4	5	39,50	38,938	39,802
2"	4,5	45,00	44,679	45,593

Filettatura UNJC, UNJC thread

ASME B1.15


UNJC	P TPI		Ø di foratura 3B - drill sizes	
			min	max
Nr. 6	32	2,80	2,733	2,939
Nr. 8	32	3,50	3,393	3,599
Nr. 10	24	3,90	3,795	4,064
Nr. 12	24	4,60	4,455	4,704
1/4	20	5,20	5,113	5,387
5/16	18	6,70	6,563	6,833
3/8	16	8,10	7,978	8,255
7/16	14	9,50	9,347	9,639
1/2	13	10,90	10,798	11,095
9/16	12	12,35	12,228	12,482
5/8	11	13,80	13,627	13,904
3/4	10	16,70	16,576	16,881

PREFORI DI MASCHIATURA PER MASCHI AD ASPORTAZIONE

TAPPING DRILL SIZES FOR CUTTING TAPS


Filettatura americana UNF ASME B1.1

UNF fine thread ASME B1.1

UNF	P TPI		Ø di foratura 2B - drill sizes	
			min	max
Nr. 6	40	2,95	2,819	3,023
Nr. 8	36	3,50	3,404	3,607
Nr. 10	32	4,10	3,962	4,166
Nr. 12	28	4,60	4,469	4,724
1/4	28	5,50	5,359	5,588
5/16	24	6,90	6,782	7,036
3/8	24	8,50	8,382	8,636
7/16	20	9,90	9,728	10,033
1/2	20	11,50	11,328	11,608
9/16	18	12,90	12,751	13,081
5/8	18	14,50	14,351	14,681
3/4	16	17,50	17,323	17,678
7/8	14	20,40	20,269	20,676
1"	12	23,25	23,114	23,571
1"-1/8	12	26,50	26,289	26,746
1"-1/4	12	29,50	29,464	29,921
1"-3/8	12	32,75	32,639	33,096
1"-1/2	12	36,00	35,814	36,271


Filettatura americana UNEF ASME B1.1

UNEF extra fine thread ASME B1.1

UNEF	P TPI		Ø di foratura 2B - drill sizes		
			min	max	
1/4 32	5,55	5,487	5,690		
5/16 32	7,15	7,087	7,264		
3/8 32	8,7	8,662	8,865		
7/16 28	10,2	10,135	10,338		
1/2 28	11,8	11,710	11,938		
9/16 24	13,2	13,132	13,386		
5/8 24	14,8	14,732	14,986		
11/16 24	16,4	16,307	16,561		
3/4 20	17,8	17,679	17,958		
13/16 20	19,4	19,254	19,558		
7/8 20	20,95	20,854	21,133		
15/16 20	22,50	22,429	22,733		
1" 20	24,15	24,029	24,308		
1"-1/16	18	25,6	25,451	25,781	
1"-1/8	18	27,15	27,051	27,381	
1"-3/16	18	28,75	28,626	28,956	
1"-1/4	18	30,3	30,226	30,556	
1"-3/8	18	33,5	33,401	33,731	
1"-7/16	18	35,1	34,976	35,306	
1"-1/2	18	36,7	36,576	36,881	


Filettatura UNJF, UNJF thread

ASME B1.15

UNJF	P TPI		Ø di foratura 3B - drill sizes	
			min	max
Nr. 6	40	2,95	2,888	3,053
Nr. 8	36	3,6	3,480	3,663
Nr. 10	32	4,15	4,054	4,255
Nr. 12	28	4,7	4,602	4,816
1/4	28	5,6	5,466	5,662
5/16	24	7	6,906	7,109
3/8	24	8,6	8,494	8,679
7/16	20	10	9,876	10,084
1/2	20	11,55	11,463	11,661
9/16	18	13	12,913	13,122
5/8	18	14,6	14,501	14,702
3/4	16	17,6	17,506	17,722

Filettatura americana 8-UN ASME B1.1

8-UN thread ASME B1.1


8-UN	P TPI		Ø di foratura 2B - drill sizes		
			min	max	
1"-1/8	8	25,4	25,146	25,781	
1"-1/4	8	28,6	28,321	28,956	
1"-3/8	8	31,75	31,496	32,131	
1"-1/2	8	34,9	34,671	35,306	
1"-5/8	8	38,1	37,846	38,481	
1"-3/4	8	41,3	41,021	41,656	
1"-7/8	8	44,45	44,196	44,831	
2"	8	47,6	47,371	48,006	
2"-1/4	8	54	53,721	54,356	
2"-1/2	8	60,30	60,071	60,706	

PREFORI DI MASCHIATURA PER MASCHI AD ASPORTAZIONE

TAPPING DRILL SIZES FOR CUTTING TAPS


Filettatura GAS Whitworth DIN EN ISO 228

Whitworth pipe thread DIN EN ISO 228

GAS	P TPI		Ø di foratura - drill sizes	
			min	max
1/8	28	8,8	8,566	8,848
1/4	19	11,8	11,445	11,890
3/8	19	15,25	14,950	15,395
1/2	14	19	18,631	19,172
5/8	14	21	20,587	21,128
3/4	14	24,5	24,117	24,658
7/8	14	28,25	27,877	28,418
1"	11	30,75	30,291	30,931
1" 1/8	11	35,5	34,939	35,579
1" 1/4	11	39,5	38,952	39,592
1" 1/2	11	45,25	44,845	45,485
1" 3/4	11	51,10	50,788	51,428
2"	11	57	56,656	57,296
2" 1/4	11	63,10	62,752	63,392
2" 1/2	11	72,6	72,226	72,866
2" 3/4	11	79	78,576	79,216
3"	11	85,3	84,926	85,566


Filettatura gas cilindrica americana sec. ANSI B1.20.1

American Standard straight pipe thread acc. ANSI B1.20.1

NPSM (NPSC)	P TPI		Ø di foratura - drill sizes	
			NPSM	NPSC
1/8	27		9,10	8,8
1/4	18		12	11,40
3/8	18		15,5	14,8
1/2	14		19	18,5
3/4	14		24,5	23,8
1"	11,5		30,5	29,9


Filettatura gas cilindrica americana sec. ANSI B1.20.3

American Standard straight pipe thread acc. ANSI B1.20.3

NPSF	P TPI		Ø di foratura - drill sizes	
			min	max
1/8	27	8,7	8,651	
1/4	18	11,30	11,232	
3/8	18	14,7	14,671	
1/2	14	18,2	18,118	
3/4	14	23,50	23,465	
1"	11,5	29,50	29,464	


Filettatura interna GAS cilindrica Whitworth ISO 7-1

Cylindrical Whitworth internal pipe thread ISO 7-1

Rp	P TPI		Ø di foratura - drill sizes	
			min	max
1/8	28	8,6	8,495	8,637
1/4	19	11,5	11,341	11,549
3/8	19	15	14,846	15,054
1/2	14	18,5	18,489	18,773
3/4	14	24	23,975	24,259
1"	11	30,25	30,111	30,471
1" 1/4	11	39	38,772	39,132
1" 1/2	11	45	44,665	45,025
2"	11	56,5	56,476	56,836

Filettatura GAS Whitworth DIN EN ISO 228

Whitworth pipe thread DIN EN ISO 228


BSW	P TPI		Ø di foratura - drill sizes	
			min	max
1/8	40	2,5	2,362	2,591
3/16	24	3,6	3,407	3,745
1/4	20	5	4,724	5,156
5/16	18	6,5	6,130	6,590
3/8	16	7,9	7,492	7,987
7/16	14	9,2	8,789	9,330
1/2	12	10,5	9,989	10,591
9/16	12	12	11,577	12,179
5/8	11	13,4	12,918	13,558
3/4	10	16,4	15,797	16,483
7/8	9	19,25	18,611	19,353
1"	8	22	21,334	22,147
1" 1/8	7	24,75	23,928	24,832
1" 1/4	7	27,5	27,103	28,007
1" 1/2	6	33,5	32,679	33,703

PREFORI DI MASCHIATURA PER MASCHI AD ASPORTAZIONE

TAPPING DRILL SIZES FOR CUTTING TAPS


Filettatura per tubi corazzati DIN 40430

Steel conduit thread DIN 40430

PG	P TPI		Ø di foratura - drill sizes	
			min	max
PG 7	20	11,4	11,28	11,43
PG 9	18	14	13,86	14,01
PG 11	18	17,25	17,26	17,41
PG 13,5	18	19	19,06	19,21
PG 16	18	21,25	21,16	21,31
PG 21	16	27	26,78	27,03
PG 29	16	35,5	35,48	35,73
PG 36	16	45,5	45,48	45,73
PG 42	16	52,5	52,48	52,73
PG 48	16	58	57,78	58,03


Filettatura tonda DIN 405

Round thread DIN 405

Rd	P TPI		Ø di foratura - drill sizes	
			min	max
8	10	6	5,714	6,274
9	10	7	6,714	7,274
10	10	8	7,714	8,274
11	10	9	8,714	9,274
12	10	10	9,714	10,274
14	8	11,5	11,142	11,812
16	8	13,5	13,142	13,812
18	8	15,5	15,142	15,812
20	8	17,5	17,142	17,812
22	8	19,5	19,142	19,812
24	8	21,5	21,142	21,812
26	8	23,5	23,142	23,812
28	8	25,5	25,142	25,812
30	8	27,5	27,142	27,812


Filettatura ISO metrica trapezoidale DIN 103

ISO Metric trapezoidal thread DIN 103

TR	P mm		Ø di foratura - drill sizes	
			min	max
10	2	8,2	8,000	8,236
10	3	7,5	-	-
12	2	10,2	10,000	10,236
12	3	9,25	9,000	9,315
14	3	11,25	11,000	11,315
14	4	10,5	-	-
16	4	12,25	12,000	12,375
18	4	14,25	14,000	14,375
20	4	16,25	16,000	16,375
22	5	17,25	17,000	17,450
24	5	19,25	19,000	19,450
26	5	21,25	21,000	21,450
28	5	23,25	23,000	23,450
30	6	24,25	24,000	24,500
32	6	26,25	26,000	26,500
36	6	30,25	30,000	30,500

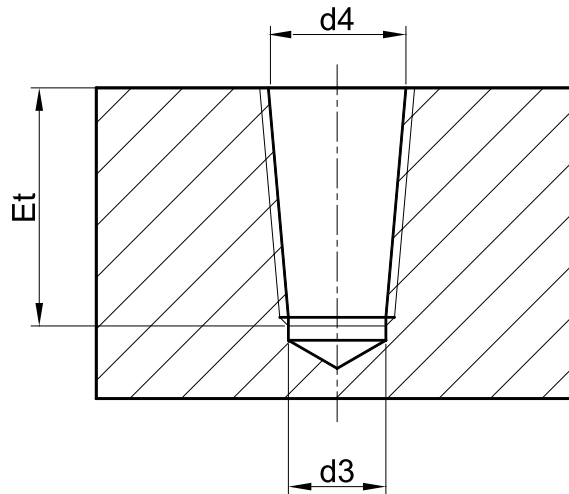
Filettatura ISO metrica DIN 8140-2 per filetti riportati

ISO Metric coarse thread DIN 8140-2 for wire thread inserts (STI)

EGM	P mm		Ø di foratura - drill sizes	
			min	max
2	0,4	2,10	2,087	2,177
2,5	0,45	2,65	2,597	2,697
3	0,5	3,15	3,108	3,22
3,5	0,6	3,70	3,630	3,755
4	0,7	4,20	4,152	4,292
5	0,8	5,25	5,174	5,344
6	1	6,30	6,217	6,407
7	1	7,30	7,217	7,407
8	1,25	8,40	8,217	8,483
9	1,25	9,40	9,217	9,483
10	1,5	10,50	10,324	10,560
11	1,5	11,50	11,324	11,560
12	1,75	12,50	12,379	12,644
14	2	14,50	14,433	14,733
16	2	16,50	16,433	16,733
18	2,5	18,75	18,541	18,986
20	2,5	20,75	20,541	20,896

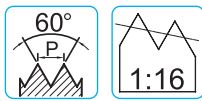
PREFORI PER MASCHIATURA CONICA

TAPPING DRILL SIZES FOR CONICAL THREADING



Filettatura gas conica americana, conicità 1:16 sec. ANSI/ASME B1.20.1
American tapered pipe thread, taper 1:16 acc. ANSI/ASME B1.20.1

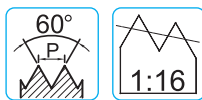
NPT



Ød1	P TPI	d3 cil./cyl. mm	d4 con./taper mm	Et = X
1/16	27	6,20	6,39	9,30
1/8	27	8,50	8,74	9,30
1/4	18	11	11,36	13,50
3/8	18	14,50	14,80	13,90
1/2	14	17,9	18,32	18,10
3/4	14	23,2	23,67	18,60
1"	11,5	29,00	29,69	22,30
1"1/4	11,5	37,8	38,45	22,80
1"1/2	11,5	44	44,52	22,80
2"	11,5	56	56,56	23,20

Filettatura gas conica americana, conicità 1:16 sec. ANSI/ASME B1.20.3
American tapered pipe thread, taper 1:16 acc. ANSI/ASME B1.20.3

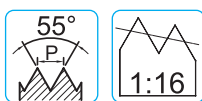
NPTF



Ød1	P TPI	d3 cil./cyl. mm	d4 con./taper mm	Et = X
1/16	27	6,10	6,41	9,30
1/8	27	8,45	8,76	9,30
1/4	18	10,9	11,4	13,50
3/8	18	14,3	14,84	13,90
1/2	14	17,6	18,33	18,10
3/4	14	23,0	23,68	18,60
1"	11,5	28,75	29,72	22,30
1"1/4	11,5	37,5	38,48	22,80
1"1/2	11,5	43,75	44,55	22,80
2"	11,5	55,75	56,59	23,20

Filettatura gas conica Whitworth, conicità 1:16, ISO 7-1
Tapered Whitworth pipe thread, taper 1:16, ISO 7-1

Rc




Ød1	P TPI	d3 cil./cyl. mm	d4 con./taper mm	Et = X
1/8	28	8,20	8,57	10,1
1/4	19	11	11,45	15,0
3/8	19	14,5	14,95	15,4
1/2	14	18	18,63	20,4
3/4	14	23,5	24,12	21,7
1"	11	29,5	30,29	26
1"1/4	11	38	38,95	28,3
1"1/2	11	44	44,85	28,3
2"	11	55,5	56,66	32,6

PREFORI DI MASCHIATURA PER MASCHI A RULLARE

TAPPING DRILL SIZES FOR ROLLING TAPS


Filettatura metrica ISO DIN 13

ISO metric coarse thread DIN 13

M	P mm		Toll.
2	0,4	1,82	± 0,02
2,2	0,45	2,00	± 0,02
2,3	0,4	2,1	± 0,02
2,5	0,45	2,30	± 0,02
2,6	0,45	2,40	± 0,02
3	0,5	2,8	± 0,03
3,5	0,6	3,25	± 0,03
4	0,7	3,70	± 0,03
5	0,8	4,65	± 0,03
6	1	5,55	± 0,05
8	1,25	7,40	± 0,05
10	1,5	9,30	± 0,05
12	1,75	11,20	± 0,05
14	2	13,10	± 0,05
16	2	15,10	± 0,05
18	2,5	16,90	± 0,05
20	2,5	18,90	± 0,05
22	2,5	20,90	± 0,05
24	3	22,70	± 0,05

Filettatura metrica ISO passo fine DIN 13

ISO metric fine thread DIN 13

MF	P mm		Toll.
4	0,5	3,80	±0,03
5	0,5	4,80	±0,03
6	0,5	5,80	±0,03
6	0,75	5,65	±0,03
8	1	7,55	±0,05
10	1	9,55	±0,05
10	1,25	9,40	±0,05
12	1	11,55	±0,05
12	1,25	11,40	±0,05
12	1,5	11,30	±0,05
14	1	13,55	±0,05
14	1,25	13,40	±0,05
14	1,5	13,30	±0,05
16	1	15,55	±0,05
16	1,25	15,40	±0,05
16	1,5	15,30	±0,05
18	1	17,55	±0,05
18	1,25	17,40	±0,05
18	1,5	17,30	±0,05
20	1	19,55	±0,05
20	1,25	19,40	±0,05
20	1,5	19,30	±0,05
20	2	19,10	±0,05
22	1	21,55	±0,05
22	1,25	21,40	±0,05
22	1,5	21,30	±0,05
22	2	21,10	±0,05
24	1	23,55	±0,05
24	1,25	23,40	±0,05
24	1,5	23,30	±0,05
24	2	23,10	±0,05
26	1,5	25,30	±0,05
26	2	25,10	±0,05
27	1,5	26,30	±0,05
27	2	26,10	±0,05
28	1,5	27,30	±0,05
28	2	27,10	±0,05
30	1,5	29,30	±0,05
30	2	29,10	±0,05



Attenzione! I diametri di foratura per rullare sono diversi da quelli standard!


Attention! Drills' diameters for roll taps are different from standard ones!

PREFORI DI MASCHIATURA PER MASCHI A RULLARE

TAPPING DRILL SIZES FOR ROLLING TAPS


Filettatura americana UNC ASME B1.1

UNC coarse thread ASME B1.1

UNC	P TPI		Toll.
6	32	3,15	±0,03
8	32	3,80	±0,03
10	24	4,30	±0,05
12	24	5,00	±0,05
1/4	20	5,75	±0,05
5/16	18	7,25	±0,05
3/8	16	8,75	±0,05
7/16	14	10,30	±0,05
1/2	13	11,80	±0,05
9/16	12	13,30	±0,05
5/8	11	14,80	±0,05
3/4	10	17,9	±0,05
7/8	9	21	±0,05
1'	8	24	±0,05


Filettatura americana UNF ASME B1.1

UNF fine thread ASME B1.1

UNF	P TPI		Toll.
6	40	3,20	±0,03
8	36	3,85	±0,03
10	32	4,45	±0,03
12	28	5,05	±0,05
1/4	28	5,90	±0,05
5/16	24	7,45	±0,05
3/8	24	9,00	±0,05
7/16	20	10,50	±0,05
1/2	20	12,10	±0,05
9/16	18	13,70	±0,05
5/8	18	15,25	±0,05
3/4	16	18,40	±0,05
7/8	14	21,40	±0,05
1'	12	24,45	±0,05
1'-1/8	12	27,60	±0,05
1'-1/4	12	30,80	±0,05
1'-3/8	12	34,00	±0,05
1'-1/2	12	37,15	±0,05

Filettatura GAS Whitworth DIN EN ISO 228

Whitworth pipe thread DIN EN ISO 228

GAS	P TPI		Toll.
1/16	28	7,25	±0,05
1/8	28	9,25	±0,05
1/4	19	12,5	±0,05
3/8	19	16	±0,05
1/2	14	20	±0,05
5/8	14	22	±0,05
3/4	14	25,5	±0,05
7/8	14	29,25	±0,05
1'	11	32	±0,05
1'-1/8	11	36,70	±0,05
1'-1/4	11	40,70	±0,05

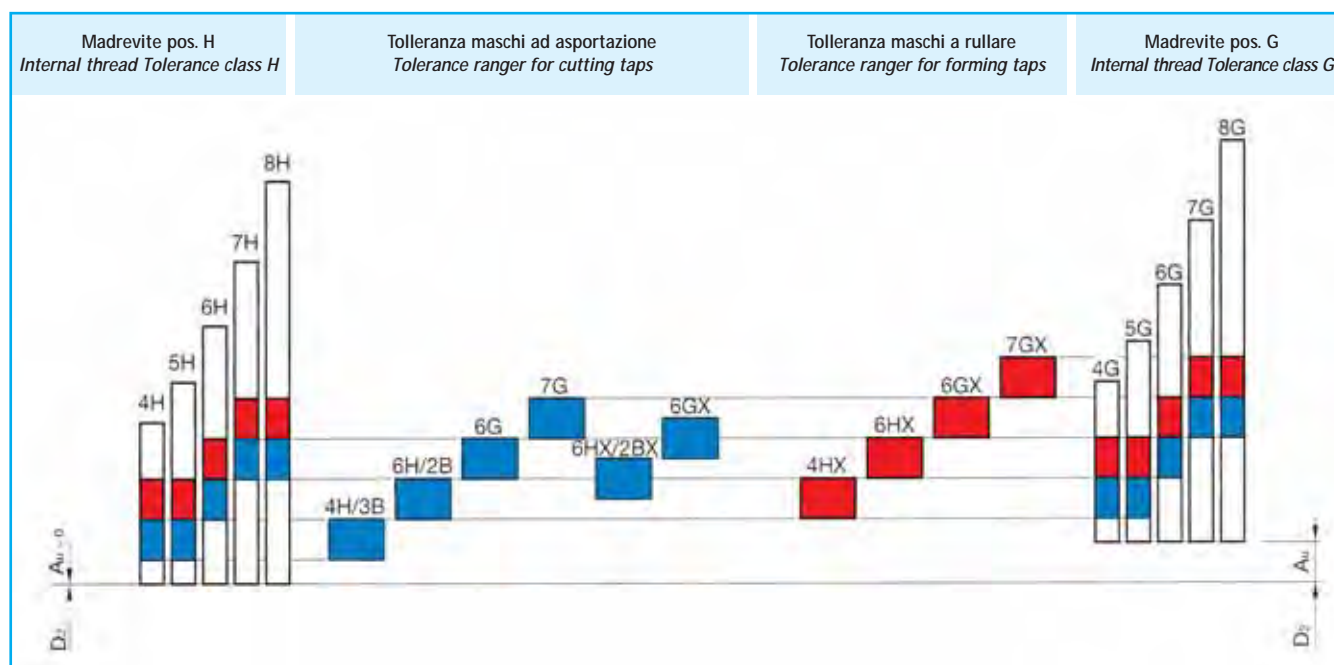
CLASSI DI TOLLERANZA DEI MASCHI

TOLERANCE CLASSES OF TAPS

ISO	Maschio/Tap DIN	ANSI/ASME	Madrevite Internal thread, nut				Accoppiamento Fit	
ISO 1	4H	3B	4H	5H			Senza gioco Fit without allowance	
ISO 2	6H	2B	4G	5G	6H		Con gioco standard Standard fit	
ISO 3	6G	1B			6G	7H	8H	Con gioco speciali Special fit with allowance
	7G					7G	8G	Largo per successivi rivestimenti Loose fit, for subsequent coating

Posizione della tolleranza

Tolerance classes



L'accoppiamento più comunemente utilizzato è quello relativo alle classe ISO 2, 6H o 2B. Per accoppiamenti più precisi, senza gioco tra i fianchi del filetto, deve essere utilizzato un accoppiamento "più stretto" di classe ISO 1, 4H o 3B.

Le tolleranze ISO 3, 6G o 1B sono utilizzate per accoppiamenti grossolani, applicate nel caso di ricoprimenti superficiali successivi al processo di filettatura.

Standard fit for a thread is according tolerance ISO 2, 6H or 2B and so, for more precise fit, without any allowance on thread flanks, You have to choose ISO 1, 4H and 3B, for American threading.

For following coatings to be applied after threading You have to use ISO 3, 6G, 1B.

Vengono inoltre realizzate tolleranze intermedie 6HX e 6GX applicate su tipologie di maschi che lavorano materiali abrasivi, come la ghisa, per aumentare la durata. Un'altra applicazione delle tolleranze intermedie X è quella relativa ai maschi a rullare, che realizzano la filettatura mediante processo di deformazione plastica; in questo caso, ad esempio, per ottenere una filettatura 6H il maschio viene realizzato in tolleranza 6HX per compensare il ritorno elastico del materiale lavorato.

Taps'manufacturers produce taps with tolerance 6HX and 6GX and not only 6H and 6G. These taps are used for cast iron, to increase tools'life or for forming taps. In those cases You have to use 6HX tap to compensate the elastic return of the material.

Nelle pagine successive sono riportati gli scostamenti standard (6H e 2B) per le filettature M, MF,UNC, UNF e GAS. ➤

In the following pages shows the standard fit (6H and 2B) for threads M, MF, UNC, UNF and GAS ➤

TOLLERANZE DI FABBRICAZIONE SUI DIAMETRI MEDI DEI MASCHI

MANUFACTURING TOLERANCES ON PITCH DIAMETER

M - ISO Passo GROSSO *ISO Metric Coarse Thread*

Ød1	P mm	Diametri medi 6H - Pitch diameter 6H	
		Min	Max
2	0,4	1,761	1,776
2,5	0,45	2,231	2,246
3	0,5	2,699	2,715
3,5	0,6	3,137	3,155
4	0,7	3,574	3,593
4,5	0,75	4,042	4,061
5	0,8	4,510	4,530
6	1	5,385	5,409
7	1	6,385	6,409
8	1,25	7,226	7,251
9	1,25	8,226	8,251
10	1,5	9,068	9,096
11	1,5	10,068	10,096
12	1,75	10,911	10,943
14	2	12,752	12,786
16	2	14,752	14,786
18	2,5	16,430	16,466
20	2,5	18,430	18,466
22	2,5	20,430	20,466
24	3	22,115	22,157
27	3	25,115	25,157
30	3,5	27,794	27,839
33	3,5	30,794	30,839
36	4	33,473	33,520
39	4	36,473	36,520
42	4,5	39,152	39,202
45	4,5	42,152	42,202
48	5	44,832	44,885
52	5	48,832	48,885
56	5,5	52,512	52,568
60	5,5	56,512	56,568
64	6	60,193	60,253
68	6	64,193	64,253

M, MF, UNC, UNF

Dimensioni in mm
Dimensions in mm

$$H = 0,86603 P$$

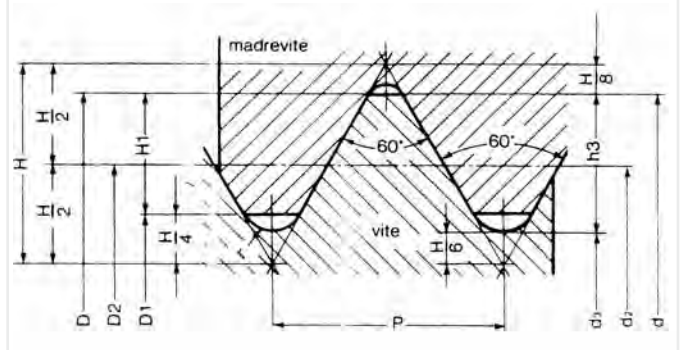
$$H_1 = \frac{5}{8} H = 0,54127 P$$

$$h_3 = \frac{17}{24} H = 0,61343 P$$

$$d_2 = D_2 = d - \frac{3}{4} H = d - 0,64952 P$$

$$d_3 = d - 2 h_3 = d - 1,22387 P$$

$$r = \frac{H}{6} = 0,14434 P$$



MF - ISO Passo FINE *ISO Metric Fine Thread*

Ød1	P mm	Diametri medi 6H - Pitch diameter 6H	
		Min	Max
2,5	0,35	2,293	2,307
3	0,35	2,794	2,809
3,5	0,35	3,294	3,309
4	0,5	3,699	3,715
4,5	0,5	4,199	4,215
5	0,5	4,699	4,715
5,5	0,5	5,199	5,215
6	0,75	5,545	5,566
7	0,75	6,545	6,566
8	1	7,385	7,409
9	1	8,385	8,409
10	1	9,385	9,409
10	1,25	9,226	9,251
12	1,25	11,230	11,258
12	1,5	11,071	11,101
14	1,25	13,230	13,258
12	1,5	11,071	11,101
15	1,5	14,071	14,101
16	1,5	15,071	15,101
17	1,5	16,071	16,101
18	1,5	17,071	17,101
18	2	16,752	16,786
20	1,5	19,071	19,101
20	2	18,752	18,786
22	1,5	21,071	21,101
22	2	20,752	20,786
24	1,5	23,074	23,106
24	2	22,755	22,791
25	1,5	24,074	24,106
25	2	23,755	23,791
27	1,5	26,074	26,106
27	2	25,755	25,791
28	1,5	27,074	27,106
28	2	26,755	26,791
30	1,5	29,074	29,106
30	2	28,755	28,791
30	3	28,115	28,157
32	1,5	31,074	31,106
32	2	30,755	30,791
33	1,5	32,074	32,106
33	2	31,755	31,791
33	3	31,115	31,157

Ød1	P mm	Diametri medi 6H - Pitch diameter 6H	
		Min	Max
35	1,5	34,074	34,106
36	1,5	35,074	35,106
36	2	34,755	34,791
36	3	34,115	34,157
39	1,5	38,074	38,106
39	2	37,755	37,791
39	3	37,115	37,157
40	1,5	39,074	39,106
40	2	38,755	38,791
40	3	38,115	38,157
42	1,5	41,074	41,106
42	2	40,755	40,791
42	3	40,115	40,157
42	4	39,473	39,520
45	1,5	44,074	44,106
45	2	43,755	43,791
45	3	43,115	43,157
45	4	42,473	42,520
48	1,5	47,077	47,111
48	2	46,758	46,796
48	3	46,118	46,163
48	4	45,477	45,527
50	1,5	49,077	49,111
50	2	48,758	48,796
50	3	48,118	48,163
52	1,5	51,077	51,111
52	2	50,758	50,796
52	3	50,118	50,163
55	4	52,477	52,527
55	1,5	54,077	54,111
55	2	53,758	53,796
55	3	53,118	53,163
55	4	52,477	52,527
56	1,5	55,077	55,111
56	2	54,758	54,796
56	3	54,118	54,163
56	4	53,477	53,527

TOLLERANZE DI FABBRICAZIONE SUI DIAMETRI MEDI DEI MASCHI

MANUFACTURING TOLERANCES ON PITCH DIAMETER

Filettatura **UNC** (ASME B1.1) *UNC Coarse Thread*

Ød1	P TPI	Diametri medi 2B - Pitch diameter 2B	
		Min	Max
Nr. 1	64	1,611	1,626
Nr. 2	56	1,904	1,919
Nr. 3	48	2,186	2,201
Nr. 4	40	2,447	2,462
Nr. 5	40	2,777	2,792
Nr. 6	32	3,009	3,029
Nr. 8	32	3,670	3,690
Nr. 10	24	4,158	4,178
Nr. 12	24	4,818	4,838
1/4	20	5,570	5,590
5/16	18	7,066	7,086
3/8	16	8,538	8,558
7/16	14	9,979	9,999
1/2	13	11,475	11,495
9/16	12	12,957	12,977
5/8	11	14,425	14,445
3/4	10	17,450	17,470
7/8	9	20,452	20,472
1	8	23,397	23,417
1-1/8	7	26,292	26,317
1-1/4	7	29,467	29,492
1-3/8	6	32,249	32,274
1-1/2	6	35,424	35,449
1-3/4	5	41,240	41,270
2	5	47,223	47,253
2-1/4	5	53,583	53,603
2-1/2	4	59,475	59,495
2-3/4	4	65,826	65,846
3	4	72,176	72,196

Filettatura **UNF** (ASME B1.1) *UNF Fine Thread*

Ød1	P TPI	Diametri medi 2B - Pitch diameter 2B	
		Min	Max
Nr. 0	80	1,333	1,348
Nr. 1	72	1,640	1,655
Nr. 2	64	1,941	1,956
Nr. 3	56	2,235	2,250
Nr. 4	48	2,516	2,531
Nr. 5	44	2,815	2,830
Nr. 6	40	3,107	3,122
Nr. 8	36	3,727	3,747
Nr. 10	32	4,330	4,350
Nr. 12	28	4,916	4,936
1/4	28	5,800	5,820
5/16	24	7,290	7,310
3/8	24	8,877	8,897
7/16	20	10,333	10,353
1/2	20	11,920	11,940
9/16	18	13,416	13,436
5/8	18	15,004	15,024
3/4	16	18,064	18,084
7/8	14	21,097	21,127
1	12	24,075	24,105
1-1/8	12	27,250	27,280
1-1/4	12	30,425	30,455
1-3/8	12	33,600	33,630
1-1/2	12	36,775	36,805

GAS

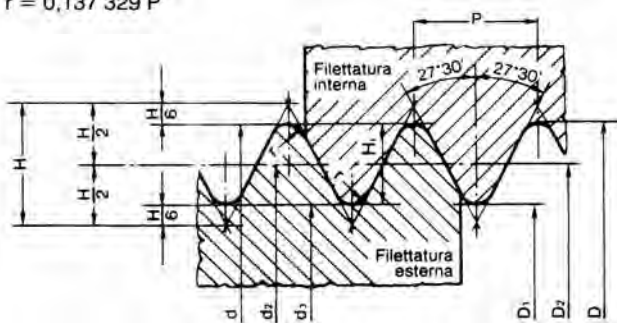
Dimensioni in mm
Dimensions in mm

$$P = \frac{25,4}{z}$$

$$H = 0,960\ 491\ P$$

$$H_1 = 0,640\ 327\ P$$

$$r = 0,137\ 329\ P$$



Filettatura **GAS** Cilindrica *Whitworth pipe Thread*

Ød1	P TPI	Diametri medi - Pitch diameter	
		Min	Max
1/8	28	9,189	9,209
1/4	19	12,349	12,369
3/8	19	15,849	15,869
1/2	14	19,848	19,868
5/8	14	21,798	21,818
3/4	14	25,328	25,348
7/8	14	29,088	29,108
1	11	31,831	31,851
1-1/8	11	36,481	36,501
1-1/4	11	40,491	40,511
1-3/8	11	42,901	42,921
1-1/2	11	46,391	46,411
1-3/4	11	52,351	52,371
2	11	58,211	58,231
2-1/4	11	64,321	64,341
2-3/8	11	68,011	68,031
2-1/2	11	73,791	73,811
2-3/4	11	80,151	80,171
3	11	86,501	86,521
3-1/4	11	92,601	92,621
3-1/2	11	98,951	98,971
3-3/4	11	105,301	105,321
4	11	111,651	111,671

RIVESTIMENTI E TRATTAMENTI SUPERFICIALI

COATINGS AND SURFACE TREATMENTS

Rivestimenti PVD - PVD Coating

	Codice UFS	Microdurezza HV 0,05	Coefficiente di attrito	Temperatura di massima lavorazione	Proprietà	Applicazione
	UFS Code	Micro hardness	Friction coefficient	Maximum working temperature	Properties	Applications
TiN	T	2300	0,4	600	Resistenza all'usura <i>Wear resistance</i>	Rivestimento di base per applicazioni generali e lavorazione degli acciai basso e medio legati. <i>Coating for general applications and machining low and medium alloy steels.</i>
TiN-G	TG	2300	0,2	600	Resistenza all'usura e buone proprietà di scorrimento <i>Wear resistance and good sliding properties</i>	Applicazioni generali per maschiatura a rullare ad alto rendimento, UFS TOP serie X2 ed X3. <i>General applications for high-performance former taps, UFS TOP series X2 and X3.</i>
TiCN	CT	3000	0,4	400	Resistenza all'usura <i>Wear resistance</i>	Applicazione su materiali abrasivi come la ghisa, leghe di nichel e titanio. <i>Application on abrasive materials (ex. cast iron), nickel and titanium alloys.</i>
CrN Nitruro di cromo	NC	3000	0,25	850	Resistenza all'usura, all'ossidazione e scorrimento del truciolo. <i>Oxidation and wear resistance, chip evacuation</i>	Applicazione su acciaio di medio – bassa resistenza. Particolarmente indicato per rame, ottone, bronzo e zama. <i>Application on medium - low resistance steel. Particularly suitable for copper, brass, bronze and zamak.</i>
TiAlN Tinalox	TX	3500	0,4	900	Resistenza all'usura e all'ossidazione <i>Oxidation and wear resistance</i>	Applicazione per materiali abrasivi (ghisa), a secco e per alte velocità di taglio. Lavorazioni su acciai ad alta resistenza legati e temprati. <i>Application for abrasive materials (cast iron), dry machining and for high speed cutting. Working on high-strength alloy steel and hardened.</i>
ZrN Nitruro di zirconio	TZ	1600	-	-	Scorrimento del truciolo <i>Chip evacuation</i>	Ad esaurimento scorte o su richiesta. Applicazione per alluminio e sue leghe. <i>Exhausted for standard item or on request. Application for aluminium and its alloys.</i>
VS Vaporizzazione Super Super steam tempering	VS	1600	0,15	380	Scorrimento del truciolo <i>Chip evacuation</i>	Nuovo rivestimento di ultima generazione, evoluzione della classica vaporizzazione. Trova applicazione su alluminio a basso contenuto di silicio, accia dolci e materiali teneri con tendenza ad incollare. <i>New coating, latest generation, evolution of the classic steam tempering for low % Si aluminium, low resistance steel and soft materials with a tendency to stick.</i>
NS Nitruazione super Super Nitriding	NS	2300	0,15	600	Resistenza all'usura <i>Wear resistance</i>	Rivestimento di nuova generazione sviluppato per una graduale sostituzione della classica nitruazione NQ. Applicazione tradizionale per lavorazioni su ghisa. <i>New coating developed for a gradual replacement of the classic nitriding NQ. Traditional application for machining cast iron.</i>
XP TiN-X Plus	XP	2300	0,15	600	Resistenza all'usura e scorrimento del truciolo <i>Wear resistance and chip evacuation</i>	Nuovo rivestimento per acciai di medio bassa resistenza, particolarmente consigliato per maschiatura compensata. <i>New coating for medium-low resistance steel, recommended for tapping with axial compensation.</i>
TXC Tinalox + Carbon	TXC	3500	0,15	850	Resistenza all'usura, all'ossidazione e scorrimento del truciolo <i>Oxidation and wear resistance, chip evacuation</i>	Combinazione di un rivestimento 3500 HV ed uno strato autolubrificante, consigliato per maschiatura di fori ciechi profondi. Applicazione su INOX ed Alluminio con alto contenuto di Si. <i>Combination of a coating 3500 HV and a lubricating layer, recommended for tapping blind deep holes. Application on stainless steel and aluminium with a high % of Si</i>

RIVESTIMENTI E TRATTAMENTI SUPERFICIALI

COATINGS AND SURFACE TREATMENTS

Trattamenti superficiali - Surface Treatments

	Codice UFS	Microdurezza HV 0,05	Coefficiente di attrito	Temperatura di massima lavorazione	Proprietà	Applicazione
	UFS Code	Micro hardness	Friction coefficient	Maximum working temperature	Properties	Applications
V Vaporizzazione Steam Tempering	V	400	-	-	Scorrimento del truciolo Chip evacuation	Trattamento superficiale di base indicato per la lavorazione degli acciai dolci o basso legati, acciai automatici (AVP) e alluminio puro o con basso contenuto di silicio. <i>Basic surface treatment suited for machining soft steel, low alloy steels, automatic steel (AVP), pure aluminium and aluminium low % Si</i>
NQ Nitrurazione NQ Nitriding NQ	NQ	1300	-	-	Resistenza all'usura Wear resistance	Trattamento superficiale di tipo tradizionale utilizzato per lavorazioni della ghisa e del bronzo a truciolo corto. <i>Traditional surface treatment used for machining cast iron and short chip bronze.</i>

VAPORIZZAZIONE

STEAM TEMPERING

Tanti sono i trattamenti superficiali specifici per i materiali da filettare, ma volendo semplificare al massimo, 2 sono quelli che si dividono la maggior percentuale d'impiego e, quindi, di vendita.

There are so many specific surface treatments for threaded materials, but to simplify it as much as possible, most applications use two different types.



Forno di vaporizzazione
Steam tempering plant



Forno di rivestimento
Coating plant

COMPARAZIONE DUREZZE

HARDNESS COMPARISON TABLE

HV Vickers Durezza Hardness	HRC Rockwell Durezza Hardness	HB Brinell Durezza Hardness	Resistenza - <i>Tensile Strength</i> N/mm ² Tons/sq. in.	
940	68			
900	67			
864	66			
829	65			
800	64			
773	63			
745	62			
720	61			
698	60			
675	59			
655	58		2200	142
650		618	2180	141
640		608	2145	139
639	57	607	2140	138
630		599	2105	136
620		589	2070	134
615	56	584	2050	133
610		580	2030	131
600		570	1995	129
596	55	567	1980	128
590		561	1955	126
580		551	1920	124
578	54	549	1910	124
570		542	1880	122
560	53	532	1845	119
550		523	1810	117
544	52	517	1790	116
540		513	1775	115
530		504	1740	113
527	51	501	1730	112
520		494	1700	110
514	50	488	1680	109
510		485	1665	108
500		475	1630	105
497	49	472	1620	105
490		466	1595	103
484	48	460	1570	102
480		456	1555	101
473	47	449	1530	99
470		447	1520	98
460		437	1485	96
458	46	435	1480	96
450		428	1455	94
446	45	424	1440	93
440		418	1420	92

HV Vickers Durezza Hardness	HRC Rockwell Durezza Hardness	HB Brinell Durezza Hardness	Resistenza - <i>Tensile Strength</i> N/mm ² Tons/sq. in.	
434	44	416	1400	91
423	43	402	1360	88
413	42	393	1330	86
403	41	383	1300	84
392	40	372	1260	82
382	39	363	1230	80
373	38	354	1200	78
364	37	346	1170	76
355	36	337	1140	74
350		333	1125	73
345	35	328	1110	72
340		323	1095	71
336	34	319	1080	70
330		314	1060	69
327	33	311	1050	68
320		304	1030	67
317	32	301	1020	66
310	31	295	995	64
302	30	287	970	63
300		285	965	62
295		280	950	61
293	29	278	940	61
290		276	930	60
287	28	273	920	60
285		271	915	59
280	27	266	900	58
275		261	880	57
272	26	258	870	56
270		257	865	56
268	25	255	860	56
265		252	850	55
260	24	247	835	54
255	23	242	820	53
250	22	238	800	52
245		233	785	51
243	21	231	780	50
240		228	770	50
235		223	755	49
230		219	740	48
225		214	720	47
220		209	705	46
215		204	690	45
210		199	675	44
205		195	660	43
200		190	640	41

GRUPPI MATERIALE

MATERIAL GROUPS

1 Acciaio
Steel

268 ÷ 269 ▶

Acciaio legato – Alta resistenza e Temprato
Alloyed steel – high strength steel an hardened steel

269 ÷ 270 ▶

2 Acciaio INOX
Stainless Steel

270 ÷ 271 ▶

3 Ghisa
Cast Iron

272 ▶

4 Alluminio, Magnesio
Aluminum, Magnesium

273 ÷ 274 ▶

5 Rame
Cooper

274 ÷ 275 ▶

6 Titanio
Titanium

275 ▶

7 Nichel
Nickel

275 ÷ 276 ▶

8 Materie plastiche
Synthetic materials

276 ▶

9 Materiali Speciali
Special Materials

277 ▶

10 Grafite
Graphite

277 ▶

1		Acciaio - Steel		
1.1		Acciaio dolce magnetico Rm < 400 N/mm², < 120 HB		
		<i>Magnetic soft steel</i>		
	W-Nr.	DIN - Germany	UNI - Italy	
	1.1013	RFe100	-	
	1.1014	Rfe80	-	
	1.1015	Rfe60	-	
1.2		Acciaio da costruzione, da cementazione, automatico Rm < 700 N/mm², < 200 HB		
		<i>Structural steel, case carburizing steel, free cutting steel</i>		
	W-Nr.	DIN - Germany	UNI - Italy	
Acciaio da costruzione <i>Structural steel</i>	1.0037	St37-2	Fe360B	
	1.0044	St44-2	Fe430B	
	1.0050	St50-2	Fe490	
	1.0060	St60-2	Fe590	
	1.0070	St70-2	Fe690	
	1.0570	St52-3	Fe510B, C, D	
Acciaio da cementazione <i>Case carburizing steel</i>	1.0301	C10	C10	
	1.0401	C15	C15	
	1.0402	C22	C20, C21	
	1.0406	C25	C25	
	1.7131	16MnCr5	16MnCr5	
	1.7147	20MnCr5	20MnCr5	
	1.5919	15CrNi6	16CrNi4	
	1.6523	21NiCrMo2	20NiCrMo2	
Acciaio automatico (AVP) <i>Free cutting steel</i>	1.0711	9S20	CF10S20	
	1.0715	9SMn28	CF9SMn28	
	1.0718	9SMnPb28	CF9SMnPb28	
	1.0726	35S20	CF35SMn10	
	1.0736	9SMn36	CF9SMn36	
	1.0737	9SMnPb36	CF9SMnPb36	
1.3		Acciaio al carbonio Rm < 850 N/mm², < 250 HB		
		<i>Plain carbon steel</i>		
	W-Nr.	DIN - Germany	UNI - Italy	
Da bonifica <i>Heat-treatable steel</i>	1.0528	C30	-	
	1.0501	C35	C35	
	1.0511	C40	C40	
	1.0503	C45	C45	
	1.0540	C50	-	
	1.0535	C55	C55	
	1.0601	C60	C60	
	1.1178	Ck30	-	
	1.1181	Ck35	C35	
	1.1191	Ck45	C46	

Continua Acciaio al carbonio / Continue Plain carbon steel ►

	W-Nr.	DIN - Germany	UNI - Italy
Per molle <i>Spring steel</i>	1.1231	Ck67	C70
	1.1248	Ck75	C75
	1.1269	Ck85	C85
	1.1274	Ck101	C100
Da tempra superficiale <i>Surface hardening</i>	1.1183	Cf35	C36, C38
	1.1193	Cf45	C43
	1.1213	Cf53	C53
1.4	Acciaio legato - bonificato, fusioni d'acciaio Rm < 850 N/mm², < 250 HB <i>Alloyed steel - tempered steel, steel castings</i>		
1.5	Acciaio legato - bonificato Rm 850 ÷ 1200 N/mm², 250 ÷ 350 HB <i>Alloyed steel - tempered steel</i>		
1.6	Acciaio legato - alta resistenza Rm 1200 ÷ 1400 N/mm², 38 ÷ 45 HRC <i>Alloyed steel - high strength steel</i>		
1.7	Acciaio legato - alta resistenza Rm 1400 ÷ 1600 N/mm², 45 ÷ 49 HRC <i>Alloyed steel - high strength steel</i>		
1.8	Acciaio legato - temprato 49 ÷ 62 HRC <i>Hardened steel</i>		
	W-Nr.	DIN - Germany	UNI - Italy
Da bonifica <i>Heat-treatable steel</i>	1.7035	41Cr4	41Cr4
	1.8159	50CrV4, 51CrV4	51CrV4
	1.7218	25CrMo4	25CrMo4
	1.7220	34CrMo4	35CrMo4
	1.7225	42CrMo4	42CrMo4
	1.7228	50CrMo4	-
	1.7242	16CrMo4	18CrMo4
	1.6580	30CrNiMo8	30NiCrMo8
	1.6582	34CrNiMo6	35NiCrMo6 (KW)
	1.6511	36CrNiMo4	38NiCrMo4 (KB)
	1.6773	36NiCrMo16	34NiCrMo16
	1.6565	40NiCrMo6	-
Da nitrurazione <i>Nitriding steel</i>	1.8515	31CrMo12	31CrMo12
	1.8519	31CrMoV9	-
	1.8507	34CrAlMo7	34CrAlMo7
	1.8509	41CrAlMo7	41CrAlMo7
Da cuscinetti <i>Ball bearing steel</i>	1.3505	100Cr6	100Cr6
	1.3537	100CrMo7	100CrMo7
Per molle <i>Spring steel</i>	1.5025	51Si7	48Si7
	1.5026	56Si7	55Si7
	1.5027	60Si7	-
	1.7108	60SiCr7	60SiCr8
	1.8159	50CrV4	50CrV4
	1.7176	55Cr3	55Cr3
	1.7701	51CrMoV4	-
Fusioni d'acciaio (ghisa acciaiata) <i>Steel castings</i>	1.0446	GS-45	-
	1.0552	GS-52	-
	1.5919	GS-15CrNi6	-
	1.7218	GS-25CrMo4	-
	1.7220	GS-34CrMo4	-
	1.7379	GS-18CrMo9-10	-

Continua Acciaio legato / Continue Alloyed steel ►

	W-Nr.	DIN - Germany	UNI - Italy
Per tempra superficiale <i>Surface hardening</i>	1.7005	45Cr2	-
	1.7006	46Cr2	46Cr2
	1.7043	38Cr4	-
	1.7034	37Cr4	36CrMn4
	1.7223	41CrMo4	41CrMo4
Per lavorazioni a caldo <i>Hot work tool steel</i>	1.2767	45NiCrMo16	42NiCrMo 15 7
	1.2713	55NiCrMoV6	-
	1.2714	55NiCrMoV7	55NiCrMoV7KU
	1.2311	40CrMnMo7	35CrMo8KU
	1.2365	X32CrMoV3-3	30CrMoV12-27KU
	1.2343	X38CrMoV5-1	X37CrMoV5-1KU
	1.2344	X40CrMoV5-1	X40CrMoV5-1-1KU
	1.2567	X30WCrV5-3	X30WCrV5-3KU
Per lavorazioni a freddo <i>Cold work tool steel</i>	1.2581	X30WCrV9-3	X30WCrV9-3KU
	1.2080	X210Cr12	X205Cr12KU
	1.2083	X42Cr13	-
	1.2363	X100CrMoV5-1	X100CrMoV5-1KU
	1.2379	X155CrVMo12-1	X155CrVMo12-1KU
	1.2510	100MnCrW4	95MnWCr5KU
	1.2550	60WCrV7	55WCrV8KU
	1.2842	90MnCrV8	90MnVCr8KU
Acciaio rapido HSS, HSS-E <i>High speed steel</i>	1.3202	S 12-1-4-5	(T15)
	1.3207	S 10-4-3-10	HS 10-4-3-10 (T42)
	1.3243	S 6-5-2-5	HS 6-5-2-5 (M35)
	1.3247	S 2-10-1-8	HS 2-9-1-8 (M42)
	1.3343	S 6-5-2	HS 6-5-2 (M2)
	1.3344	S 6-5-3	(M3/2)
	1.3348	S 2-9-2	HS 2-9-2 (M7)
Acciaio rapido sinterizzato HSS-PM <i>Sintered high speed steel</i>	-	HS 6-5-3-8	(ASP2030, ASP30)
	-	HS 10-2-5-8	(ASP2052, ASP52)
	-	HS 6-7-6-10	(ASP2060, ASP60)
1.7 Acciaio speciale Rm<1600 N/mm ² <i>Special steel Rm<1600 N/mm²</i>			HARDOX 400
			HARDOX 450
1.8 Acciaio speciale 49 – 62 HRC <i>Special steel 49 - 62 HRC</i>			HARDOX 500
			HARDOX 600
2	Acciaio INOX - Stainless Steel		
2.1	Acciaio INOX automatico Rm < 850 N/mm², < 250 HB		
	<i>Free machining stainless steel</i>		
	W-Nr.	DIN - Germany	UNI - Italy
1.4104	X14CrMoS17	X10CrS17 (AISI 430F)	
1.4305	X8CrNiS18-9	X10CrNiS18-9 (AISI 303)	

Continua Acciaio legato / Continue Alloyed steel ►

2.2 Austenitico Rm < 850 N/mm², < 250 HB			
<i>Austenitic stainless steel</i>			
	W-Nr.	DIN - Germany	UNI - Italy
	1.4301	X5CrNi18-10	X5CrNi18-10 (AISI 304)
	1.4306	X2CrNi19-11	X2CrNi18-11 (AISI 304L)
	1.4401	X5CrNiMo18-10	X5CrNiMo17-12 (AISI 316)
	1.4404	X2CrNiMo17-13-2	X2CrNiMo17-12 (AISI 316L)
	1.4406	X2CrNiMoN17-12-2	X2CrNiMoN17-12 (AISI 316LN)
	1.4435	X2CrNiMo18-14-3	X2CrNiMo17-13
	1.4438	X2CrNiMo18-16-4	X2CrNiMo18-15 (AISI 317L)
	1.4541	X6CrNiTi18-10	X6CrNiTi18-11 (AISI 321)
	1.4550	X6CrNiNb18-10	X8CrNiNb18-11 (AISI 347)
	1.4828	X15CrNiSi20-12	X16CrNi23-14
	1.4841	X15CrNiSi25-20	X16CrNiSi25-20 (AISI 314)
	1.4845	X12CrNi25-21	X6CrNi25-20 (AISI 310S)
2.3 Ferritico, Ferritico + Austenitico, Martensitico Rm < 1100 N/mm², < 320 HB			
<i>Ferritic, ferritic + austenitic, martensitic</i>			
	W-Nr.	DIN - Germany	UNI - Italy
Ferritico <i>Ferritic</i>	1.4002	X6CrAl13	X6CrAl13 (AISI 405)
	1.4003	X2Cr11	X2CrNi12
	1.4016	X6Cr17	X8Cr17 (AISI 430)
	1.4510	X6CrTi17	X6CrTi17 (AISI 430Ti)
	1.4509	X2CrTiNb18	X2CrTiNb18
	1.4512	X5CrTi12	X6CrTi12 (AISI 409)
Ferritico + austenitico (Bifasico) <i>Ferritic + austenitic (Duplex)</i>	1.4462	X2CrNiMoN22-5-3	X2CrNiMoN22-5-3
	1.4501	X2CrNiMoCuWN25-7-4	X2CrNiMoCuWN25-7-4
Martensitico <i>Martensitic</i>	1.4006	X10Cr13	X12Cr13 (AISI 410)
	1.4005	X12CrS13	X12CrS13 (AISI 416)
	1.4021	X20Cr13	X20Cr13 (AISI 420)
	1.4028	X30Cr13	X30Cr13
	1.4057	X17CrNi16-2	X16CrNi16 (AISI 431)
	1.4125	X105CrMo17	(AISI 440C)
2.4 Leghe Cr-Ni resistenti alle alte temperature Rm 1100 ÷ 1400 N/mm², 330 ÷ 410 HB			
<i>Cr-Ni alloys high temperatures resistant</i>			
	W-Nr.	DIN - Germany	UNI - Italy
Indurente per precipitazione <i>Precipitation hardening</i>	1.4542	X5CrNiCuNb16-4	(AISI 630, 17-4 PH)
	1.4545	X4CrNiCu16-6	(15-5 PH)
	1.4568	X7CrNiAl17-7	(17-7 PH)
	1.4922	X20CrMoV11-1	-
	1.4939	X12CrNiMo12	-
	1.4944	-	(AISI 660)
	1.4980	X6NiCrTiMoVB25-15-2	

3	Ghisa - Cast Iron		
3.1	Ghisa grigia lamellare Rm < 600 N/mm², < 180 HB		
	<i>Lamellar grey cast iron</i>		
	W-Nr.	DIN - Germany	UNI - Italy
	0.6010	GG-10	G 10
	0.6015	GG-15	G 15
	0.6020	GG-20	G 20
3.2	Ghisa grigia lamellare Rm 600 ÷ 1000 N/mm², 180 ÷ 300 HB		
	<i>Lamellar grey cast iron</i>		
	W-Nr.	DIN - Germany	UNI - Italy
	0.6025	GG-25	G 25
	0.6030	GG-30	G 30
	0.6035	GG-35	G 35
	0.6040	GG-40	G 40
3.3	Ghisa sferoidale Rm < 1000 N/mm², < 300 HB		
	<i>Nodular cast iron</i>		
	W-Nr.	DIN - Germany	UNI - Italy
	0.7033	GGG-35.3	-
	0.7040	GGG-40	GS400-12
	0.7043	GGG-40.3	GSO 42/17
	0.7050	GGG-50	GS500-7
	0.7060	GGG-60	GS600-3
	0.7070	GGG-70	GS700-2
	0.7080	GGG-80	GS800-2
	0.7670	GGG-Ni22	-
	0.7683	GGG-Ni35	-
	0.7660	GGG-NiCr20-2	-
	0.7677	GGG-NiCr30-1	-
0.7685	GGG-NiCr35-3	-	
3.4	Ghisa malleabile Rm < 700 N/mm², < 210 HB		
	<i>Malleable cast iron</i>		
	W-Nr.	DIN - Germany	UNI - Italy
	0.8035	GTW-35-04	-
	0.8045	GTW-45-07	-
	0.8145	GTS-45-06	-
	0.8165	GTS-65-02	-
	0.8170	GTS-70-02	-
3.5	Ghisa vermicolare a grafite compatta Rm 700 ÷ 1000 N/mm², 200 ÷ 300 HB		
	<i>Compacted cast iron with vermicular graphite</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
			(CGI)
		(GGV)	
		(GJV)	

4		Alluminio, Magnesio – Aluminium, Magnesium		
4.1		Alluminio / Magnesio non legato Rm < 350 N/mm², < 100 HB		
		<i>Aluminium / Magnesium unalloyed</i>		
	W-Nr.	DIN - Germany	UNI - Italy	
	3.0205	Al99	3567 (9001/1)	
	3.0255	Al99.5	4507 (9001/2)	
	3.0285	Al99.8	4509 (9001/4)	
	3.0305	Al99.9	-	
	3.3208	Al99.9MgSi	-	
	3.3308	Al99.9Mg0.5	-	
	3.3318	Al99.9Mg1	-	
4.2		Leghe di Al, Si < 0,5% - truciolo lungo Rm < 500 N/mm², < 150 HB		
		<i>Al alloys, Si < 0,5% - long chipping</i>		
	W-Nr.	DIN - Germany	UNI - Italy	
	3.0505	AlMn0.5Mg0.5	(AISI 3105)	
	3.0915	AlFeSi	(AISI 8011A)	
	3.3315	AlMg1	5764 (5005, Peraluman100)	
	3.3525	AlMg2Mn0.3	(AISI 5251)	
	3.3527	AlMg2Mn0.8	(AISI 5049)	
	3.3545	AlMg4Mn	(AISI 5086)	
	3.3555	AlMg5	(AISI 5056A)	
	3.0615	AlMgSiPb	(AISI 6012)	
	3.1255	AlCuSiMn	3581 (AISI2014)	
	3.1325	AlCuMg1	3579 (AISI 2017A, Avional 100)	
	3.1355	AlCuMg2	3583 (AISI 2024, Avional 150)	
	3.3547	AlMg4.5Mn	7790 (AISI 5083, Peraluman 460)	
	3.3206	AlMgSi0.5	3569 (AISI 6060, Anticorodal 050)	
	3.2315	AlMgSi1	3571 (AISI 6082, Anticorodal 110)	
	3.4365	AlZnMgCu1.5	3735 (AISI 7075, Ergal 55)	
	3.1371	G-AlCu4TiMg	-	
	3.3241	G-AlMg3Si	-	
	3.3261	G-AlMg5Si	-	
	3.3541	G-AlMg3	-	
4.3		Leghe di Al, Si < 10% - truciolo medio Rm < 500 N/mm², < 150 HB		
		<i>Al alloys, Si < 10% - medium chipping</i>		
	W-Nr.	DIN - Germany	UNI - Italy	
	3.2134	G-AISI5Cu1Mg	3600	
	3.2161	G-AISI8Cu3	5075	
	3.2162.05	GD-AISI8Cu3	-	
	3.2371	G-AISI7Mg	7257	
	3.2373	G-AISI9Mg	3051	
4.4		Leghe Al, Si > 10% - truciolo corto Rm < 600 N/mm², < 180HB		
		<i>Al alloys, Si > 10% - short chipping</i>		
	W-Nr.	DIN - Germany	UNI - Italy	
	3.2381	G-AISI10Mg	3049	
	3.2383	G-AISI10Mg(Cu)	-	
	3.2581	G-AISI12	5079	
	3.2583	G-AISI12(Cu)	3048	

Continua leghe di Magnesio / Continue Magnesium alloys ►

4.5	Leghe standard di magnesio Rm 120 ÷ 300 N/mm²			
	<i>Magnesium standard alloys</i>			
	W-Nr.	DIN - Germany	Denom. comm. / Trade name	
	3.5200	MgMn2	(MAGNUMINIUM 133)	
	3.5312	MgAl3Zn	(AZ31)	
	3.5632	MgAl6Zu3	(AZ63)	
4.6	Leghe di magnesio ad alta resistenza Rm 240 ÷ 400 N/mm², 70 ÷ 120 HB			
	<i>High strength magnesium alloys</i>			
	3.5161	MgZn6Zr	(ZK60)	
	3.5612	MgAl6Zn1	(AZ61)	
5	RAME - Cooper			
5.1	Rame puro, rame elettrolitico - truciolo lungo Rm < 350 N/mm², < 100 HB			
	<i>Cooper unalloyed - long chipping</i>			
	W-Nr.	DIN - Germany	Denom. comm. / Trade name	
	2.0040	OF-Cu	-	
	2.0060	E-Cu57	-	
	2.0065	E-Cu58	-	
	2.0070	Se-Cu	-	
5.2	Leghe di rame, α ottone - truciolo lungo Rm < 700 N/mm², < 200 HB			
	<i>Cooper alloys, soft brass - long chipping</i>			
	W-Nr.	DIN - Germany	Denom. comm. / Trade name	
	2.0240		CuZn15, Ms85 -	
	Ottone / Brass	2.0250	CuZn20, Ms80	-
		2.0265	CuZn30, Ms70	-
		2.0280	CuZn33, Ms67	-
		2.0321	CuZn37, Ms63	-
		2.0335	CuZn36, Ms64	-
	Bronzo / Bronze	2.1016	CuSn4	-
2.1020		CuSn6	-	
2.1030		CuSn8	-	
2.1080		CuSn6Zn6	-	
5.3	Leghe di rame, β ottone, bronzo - truciolo corto Rm < 700 N/mm², < 200 HB			
	<i>Cooper alloys, hard brass, bronze - short chipping</i>			
	W-Nr.	DIN - Germany	Denom. comm. / Trade name	
	Ottone / Brass	2.0360	CuZn40 (Ms60)	-
		2.0380	CuZn39Pb2 (Ms58)	-
		2.0410	CuZn44Pb2 (Ms56)	-
		2.0510	CuZn37Al1	-
		2.0550	CuZn40Al2	-
		2.0561	CuZn40Al1	-
		2.0580	CuZn40Mn1Pb	-
		2.2140	G-ZnAl4	(ZAMAK)
	Bronzo / Bronze	2.1086	G-CuSn10Zn	-
		2.1093	G-CuSn6ZnNi	-
2.1096		G-CuSn5ZnPb	-	

Continua Bronzo / Continue Bronze ►

5.4	Bronzo ad alta resistenza Rm < 1500 N/mm², < 440 HB		
	<i>High strength bronze</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
	2.0932	CuAl8Fe3	(Ampco12)
	2.0936	CuAl10Fe3Mn2	(Ampco16, Ampco 15)
	2.0940	CuAl10Fe	-
	2.0966	CuAl10Ni5Fe4	(Ampco)
	2.0978	CuAl11Ni6Fe5	-
-	CuAl11Fe4	(Ampco 20)	
2.0882	CuNi30MnFe	-	
6	Titanio - Titanium		
	Titanio non legato Rm < 700 N/mm², < 200 HB		
6.1	<i>Titanium unalloyed</i>		
	W-Nr.	DIN - Germany	Altro / Other
	3.7024	Ti99.8	T35, Grade 1
	3.7034	Ti99.7	T40, Grade 2
	3.7055	Ti99.6	T50, Grade 3
3.7064	Ti99.5	T60, Grade 4	
6.2	Leghe di titanio Rm < 900 N/mm², < 270 HB		
	<i>Titanium alloys</i>		
6.3	Leghe di titanio Rm < 1400 N/mm², < 410 HB		
	<i>Titanium alloys</i>		
	W-Nr.	DIN - Germany	Altro / Other
	3.7124	TiCu2	-
	3.7154	TiAl6Zr5	-
	3.7164, 3.7165	TiAl6V4	Grade 5
3.7174	TiAl6V6Sn2	-	
3.7184	TiAl4Mo4Sn2	-	
7	Nichel - Nickel		
	Nichel non legato Rm < 500 N/mm², < 150 HB		
7.1	<i>Nickel unalloyed</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
	1.3911	Rni24	-
	1.3926	Rni12	-
	1.3927	Rni8	-
	2.4061	Ni99,6	Nickel 205
	2.4066	Ni99,2	Nickel 200
	2.4068	LC-Ni99	Nickel 201
7.2	Leghe di Nichel Rm < 900 N/mm², < 270 HB		
	<i>Nickel alloys</i>		
7.3	Leghe di Nichel Rm < 1600 N/mm², < 470 HB		
	<i>Nickel alloys</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
	1.3911	X2Ni36	Invar
2.4360	NiCu30Fe	Monel 400	
2.4375	NiCu30Al	Monel K500	

Continua leghe Nichel / Continue Nickel alloys ►

7.2 - 7.3	W-Nr.	DIN - Germany	Denom. comm. / Trade name
	2.4602	NiCr17Mo17FeW	Hastelloy C
	2.4630	Ni-Cr20Ti	Nimonic 75
	2.4631	NiCr20TiAl	Nimonic 80A
	2.4634	NiCo20Cr15MoAlTi	Nimonic 105
	2.4636	NiCo15Cr15MoAlTi	Udimet 700
	2.4654	NiCr20Co14MoTi	Waspaloy
	2.4662	NiCr13Mo6Ti3	Nimonic 901
	2.4665	NiCr22Fe18Mo	Hastelloy X
	2.4668	NiCr19Fe19NbMo	Inconel 718
	2.4670	G-NiCr13Al6MoNb	Nimocast 713
	2.4674	NiCo15Cr10MoAlTi	Nimocast PK24
	2.4816	NiCr15Fe	Inconel 600
	2.4856	NiCr22Mo9Nb	Inconel 625
8	Materie plastiche - <i>Synthetic materials</i>		
8.1	Materiali termoplastici - truciolo extralungo Rm < 80 N/mm² <i>Thermoplastics - extra long chipping</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
	-	-	ABS
	PE	Polyethylene	Hostalen
	PP	Polypropylene	Hostalen PP
	PVC	Polyvinyl chloride	Hostalit, Vestolit, Vinoflex
	PS	Polystyrene	Polystyrol
	PMMA	Polymethyle acryle	Plexiglas
	PTFE	Polytetrafluorethylene	Teflon
	PA	Polyamide	Nylon, Ultramid
	PC	Polycarbonate	Makralon
	PI	Thermoplastic polyamide	Kinel
8.2	Materiali termoindurenti - truciolo corto Rm < 110 N/mm² <i>Thermosetting plastics - short chipping</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
	PF	Phenol formaldehyde	Pertinax
	MF	Melamine formaldehyde	Albanit, Resopal
	UF	Urea formaldehyde	Bakelite
8.3	Materie plastiche con fibre di rinforzo Rm 800 ÷ 1500 N/mm², 240 ÷ 440 HB <i>Reinforced plastic materials</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
	AFK	Aramid	Kevlar
	BFK	Boron	Boro
	CFK	Carbon fibre	Resine + Fibra di carbonio
	GFK	Glass fibre	Resine + fibre di vetro
	SFK	Synthetic fibre	Resine + fibre sintetiche

9	Materiali Speciali - <i>Special Materials</i>		
9.1	Materiali metallo - ceramici (Cermets) Rm < 1700 N/mm², < 51 HRC		
	<i>TIC - Hard materials</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
			Ferritan
			Ferro Titanit
			Ferrotic
9.2	Leghe a base Cobalto Rm < 1200 N/mm², < 350 HB		
	<i>Alloys on cobalt base</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
			AiResist
			Biodur
			Celsit
			Haynes Alloy
			Stellite
9.3	Leghe di tungsteno Rm < 1800 N/mm², < 52 HRC		
	<i>Tungsten alloys</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
			Anviloy
			Denal
			Densimet
			Mallory
10	Grafite - <i>Graphite</i>		
10.1	Grafite Rm < 100 N/mm²		
	<i>Graphite</i>		
	W-Nr.	DIN - Germany	Denom. comm. / Trade name
			Graphit R8340
			Technograph 15
			Technograph 30
			R8510
			R8650
			Union Poco EDM1
			Union Poco EDM3

CONDIZIONI GENERALI DI VENDITA

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Only written orders are considered as valid. Telephone orders must be confirmed in writing.

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The orders will be sent from our store in Sparone (TO) depending on the availability of the goods. Our delivery terms shown in the offers are intended as valid, circumstances permitting.

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QUESTIONARIO TECNICO		Compilatore: _____		Data: _____	
Maschiatura ad asportazione e rullatura				Prot: _____	
<input type="checkbox"/> Campionatura / Quantità: _____		<input type="checkbox"/> Ordine / Quantità: _____		<input type="checkbox"/> Reclamo	
Cliente: _____		Tel: _____		Fax: _____	
Persona di rif: _____		e-mail: _____			
1. Filettatura Ø x Passo					
Toll. _____	Norma: _____				
Descrizione _____					
2. Particolare da lavorare:		Materiale: _____		Sigla: _____	
		resistenza N/mm ² _____		Durezza: <input type="checkbox"/> HB <input type="checkbox"/> HRC	
Truciolo: <input type="checkbox"/> corto <input type="checkbox"/> medio <input type="checkbox"/> lungo		Caratteristiche particolari del materiale: _____			
Ø preforo _____ ottenuto per... <input type="checkbox"/> Foratura <input type="checkbox"/> Prefuso <input type="checkbox"/> Prestampato <input type="checkbox"/> Tornitura		Foro passante x D	Foro cieco x D	Foro cieco/passante x D	
Alesatura: SI NO					
3. Macchina marca e tipo:		<input type="checkbox"/> Verticale		<input type="checkbox"/> Obliqua	
		<input type="checkbox"/> Orizzontale		<input type="checkbox"/> Altro	
Avanzamento		<input type="checkbox"/> Patrona <input type="checkbox"/> Manuale		Andata Ritorno	
		<input type="checkbox"/> Idraulico <input type="checkbox"/> Meccanico		Vc (m/min)	
<input type="checkbox"/> CNC		Andata Ritorno		Parametri di taglio	
%Prog. avanzamento assiale _____				N°giri (1/min)	
3.1. Mandrino (marca):		N° mandrini _____		<input type="checkbox"/> Adduzione interna	
Maschiatura rigida: <input type="checkbox"/> In pinza <input type="checkbox"/> Calettamento <input type="checkbox"/> Micro - compensazione <input type="checkbox"/> Weldon <input type="checkbox"/> Altro: _____		Maschiatura compensata: <input type="checkbox"/> Compensazione assiale in rientro e sfilamento <input type="checkbox"/> Solo sfilamento <input type="checkbox"/> Altro: _____			
4. Lubrificante:		<input type="checkbox"/> Emulsione		<input type="checkbox"/> Olio intero	
		% _____		<input type="checkbox"/> Lubrificazione	
				<input type="checkbox"/> Aria	
				Minimale (MMS)	
5. Problematica:		6. Dati concorrenza:			
.....				
.....				
.....		Rivestimento: _____		Resa: _____	
.....				
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TECHNICAL FORM		Writer:	Date:	
Thread cutting and thread forming			N° Prot:	
<input type="checkbox"/> Sampling / Quantity: _ _ _ _ _ <input type="checkbox"/> Order / Quantity: _ _ _ _ _		<input type="checkbox"/> Complaint		
Customer:		Phone:	Fax:	
Reference person:		e-mail:		
1. Thread size Ø x Pitch				
Tolerance	Norm:			
Description tap				
2. Work-Piece:		Material:	Code:	
		Tensile strength N/mm ²	Hardness: <input type="checkbox"/> HB <input type="checkbox"/> HRC	
Chip type: <input type="checkbox"/> short <input type="checkbox"/> medium <input type="checkbox"/> long		Particular characteristic of material:		
Core hole Obtained from... <input type="checkbox"/> Drilling <input type="checkbox"/> Prefuse <input type="checkbox"/> Molding <input type="checkbox"/> Turning	Through hole x D	Blind hole x D	Blind/through hole x D	
Boring:	YES	NOT		
3. Machine brand and type:		<input type="checkbox"/> Vertical	<input type="checkbox"/> Obliquely	
		<input type="checkbox"/> Horizontal	<input type="checkbox"/> Other	
Feed	<input type="checkbox"/> Leadscrew <input type="checkbox"/> Manual	Cutting speed	Advance Reverse	
<input type="checkbox"/> CNC	<input type="checkbox"/> Hydraulic <input type="checkbox"/> Mechanic		Vc (m/min)	
%Prog. axial feed	Advance Reverse	N°giri (1/min)		
3.1. Tool holder (Manufacturer):		N° spindle	<input type="checkbox"/> Internal coolant supply	
Rigid tapping: <input type="checkbox"/> Collets <input type="checkbox"/> Fitting <input type="checkbox"/> Micro - compensation <input type="checkbox"/> Weldon <input type="checkbox"/> Other:		Tapping with compensation: <input type="checkbox"/> With axial compensation in compression and extension <input type="checkbox"/> Extension only <input type="checkbox"/> Other:		
4. Coolant (brand):		<input type="checkbox"/> Emulsion	<input type="checkbox"/> Cutting oil <input type="checkbox"/> Minimal lubrication <input type="checkbox"/> To dry	
		% _ _ _ _ _	(MMS)	
5. Problems:		6. Competitor's characteristics:		
		Surface treatment:	Tool's life:	

