MASCHI SEF

Applicazioni ad alto rendimento

La precisione dal 1948.

MECCANOTECNICA

Dalla ricostruzione del dopoguerra
all'applicazione diffusa dei sistemi informatici:
un'ascesa tecnologica che ha profondamente
modificato i costumi e i metodi della produzione
industriale nel nostro paese.

Oltre sessant'anni, due generazioni si sono
succedute alla guida della SEF, ma la matrice
che ha segnato lo sviluppo costante della nostra
società è sempre la medesima: il piacere
di cavalcare un'evoluzione straordinaria,
alla ricerca incessante di nuove tecnologie
per l'immediato futuro.

Con una passione che ci ha consentito di svolgere
un lavoro davvero importante: non tanto in
termini di volume, ma certamente per la qualità
dei servizi offerti e per lo sforzo necessario
a mantenere un livello di specializzazione
sempre al passo con i tempi.

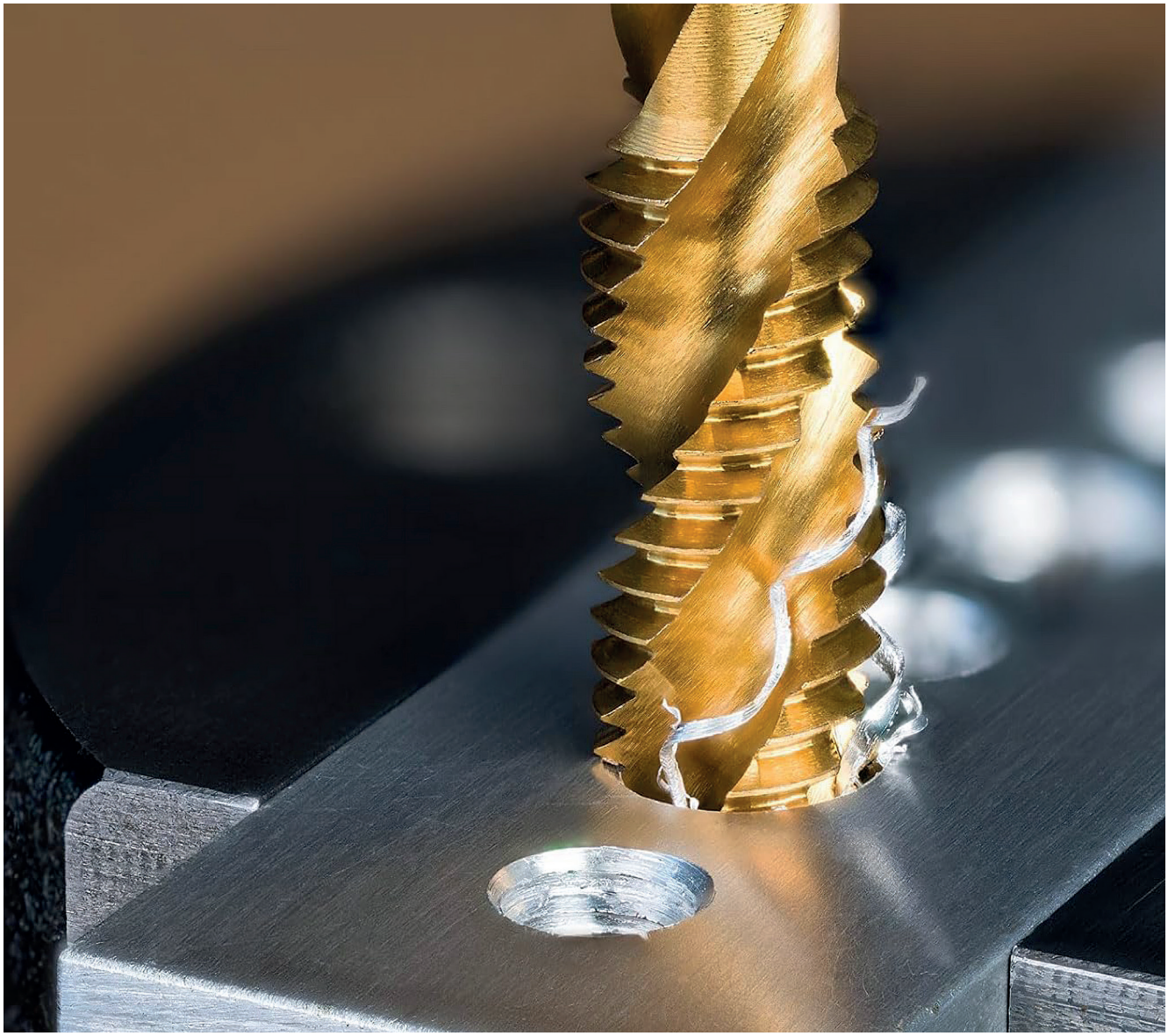
Al di là del gratificante successo aziendale,
la nostra più grande soddisfazione si traduce
nell'aumento qualitativo del prodotto dei clienti
e nella maggiore competitività della loro
produzione.

Tanta dedizione ed operosità si confrontano oggi
con un nuovo impegno: quello di trasferire
ai più giovani un prezioso patrimonio fatto
di scuola tecnica e partecipazione umana,
fianco a fianco con il cliente per la soluzione
ottimale delle più diverse problematiche inerenti
ai processi produttivi.

MASCHI SEF

La nostra azienda opera da decenni nella distribuzione di maschi, consolidando un know-how che ci permette di selezionare utensili affidabili, performanti e adatti ai moderni processi produttivi.
La gamma presentata in questo catalogo è il risultato di una scelta mirata: un numero contenuto di articoli, tecnicamente rappresentativi delle principali esigenze di filettatura, per offrire all'utilizzatore uno strumento di selezione chiaro, razionale e privo di ridondanze.
Ogni maschio è stato scelto in funzione delle prestazioni su specifici materiali, della qualità del profilo filettato e della stabilità del processo.

Per applicazioni non standard, geometrie particolari o materiali difficili, mettiamo a disposizione articoli speciali o configurazioni personalizzate, individuate e selezionate dai nostri tecnici in base alle specifiche esigenze applicative.
Il nostro team tecnico supporta il cliente nella definizione dell'utensile più idoneo, nella valutazione delle condizioni di lavoro e nell'ottimizzazione del ciclo produttivo, garantendo assistenza qualificata per ottenere risultati costanti e massima affidabilità operativa.



	ACCIAI (A)	Resistenza	Materiali tipo	Resistenza/durezza	DIN
1.1	Acciai estrusi a freddo Ferro dolce magnetico	≤400 N/mm²	Q-St37-3 R-Fe80	-	1.0123 1.1014
1.2	Acciai ad alta velocità Acciai da costruzioni generali	≤500 N/mm²	9SMnPb28 St37-2	500-700 N/mm² 340-470 N/mm²	1.0718 1.0037
1.3	Acciai ad alta velocità, acciai da costruzione Acciai legati, fusioni di acciaio	≤850 N/mm²	St70-2 GS-25CrMo4	700-900 N/mm² 650-950 N/mm²	1.0070 1.7218
1.4	Acciai da cementazione, acciai da bonifica Acciai da nitrurazione Acciai per lavorazioni a freddo	≤1100 N/mm²	16MnCr5 Ck45 100Cr6	500-700 N/mm² 600-800 N/mm² 700-900 N/mm²	1.7131 1.1191 1.3505
1.5	Acciai da bonifica	≤1200 N/mm²	X155CrVMo12-1	900-1.100 N/mm²	1.2379
1.6	Acciai da nitrurazione Acciai per lavorazioni a caldo	≤1400 N/mm²	42CrMo4V X30WCrV5-3 X38CrMoV5-3	1.200-1.400 N/mm² 1.100 N/mm² 900-1.100 N/mm²	1.7275 1.2567 1.2367

	ACCIAI INOSSIDABILI (R)	Resistenza	Materiali tipo	Resistenza/durezza	DIN
1.1	Acciai inossidabili resistenti agli acidi	≤850 N/mm²	X10NiCrAlTi32-20 X12CrNiTi18-9 X6CrNiMoTi17-12-2	610-850 N/mm² 500-700 N/mm² 500-730 N/mm²	1.4876 1.4848 1.4571
1.2	Acciai inossidabili resistenti agli acidi	≤1100 N/mm²	X45SiCr4	900-1.100 N/mm²	1.4704
1.3	Acciai inossidabili resistenti agli acidi	≤1400 N/mm²	X5NiCrTi26-15	1.200 N/mm²	1.4980

	GHISE (F)	Resistenza	Materiali tipo	Resistenza/durezza	DIN
1.1	Ghise grigie	-	GG 20 GG 30	120-220 HB 220-270 HB	0.6020 0.6030
1.2	Ghise con grafite nodulare	-	GGG 40 GGG 70	400 N/mm² 700-1.050 N/mm²	0.7040 0.7070
1.3	Ghise con grafite vermicolare	-	GGV (80% Perlite) GGV (100% Perlite)	220 HB 230 HB	0.7070
2.1	Ghise malleabili	-	GTW 40	360-420 HB 580-650 HB	0.8040
3.1	Ghise in conchiglia sino a 400HB	-	GT S65	400 HB	0.8165

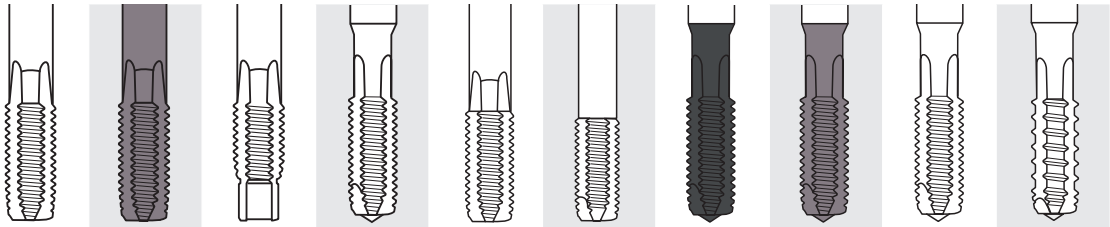
	MATERIALI NON FERROSI (N)	Resistenza	Materiali tipo	Resistenza/durezza	DIN
1.1	Leghe malleabili di alluminio	-	Al 99,5 (F13) AlCuMg1 (F39)	100-250 N/mm² 300-500 N/mm²	3.0255 3.1325
1.2	Leghe fuse di alluminio con Si<5%	-	G-AlMg3	130-190 N/mm²	3.3541
1.3	Leghe fuse di alluminio con Si>5% - <12%	-	GD-AlSi9Cu3 GD-AlSi12	240-310 N/mm² 220-300 N/mm²	3.2163 3.2582
1.4	Leghe fuse di alluminio con Si>12%	-	G-AlSi17Cu4	180-250 N/mm²	

2.1	Rame puro	≤500 N/mm²	E-Cu	250-350 N/mm²	2.0060
2.2	Leghe di rame zinco (OT63) a truciolo lungo	-	CuZn40 Ms60 CuZn37 Ms63	340-490 N/mm² 310-550 N/mm²	2.0360 2.0321
2.3	Leghe di rame zinco (OT58) a truciolo corto	-	CuZn39Pb2 Ms58	380-500 N/mm²	2.0380
2.4	Leghe rame alluminio (bronzo alluminio) tr. lungo Leghe rame stagno (bronzo) a truciolo lungo	-	CuAl10Ni	500-800 N/mm²	2.0966
2.5	Leghe rame stagno (bronzo) a truciolo corto	-	GCuSnZnPb (Rg5) GCuSnZnPb (Rg7)	150-300 N/mm² 150-300 N/mm²	2.1096 2.1090
3.1	Leghe malleabili di magnesio	-	MgAl6	300-500 N/mm²	3.5662
3.2	Leghe di magnesio per getti	-	GMgAl9Zn1	300-500 N/mm²	3.5912
4.1	Plastiche termoindurenti (truciolo corto)	-	Bakelite	110 N/mm²	
4.2	Resine termoplastiche (truciolo lungo)	-	Hostalen	80 N/mm²	
4.3	Resine epossidiche	-	CFK / GFK / AFK	800-1.500 N/mm²	

	MATERIALI DI DIFFICILE LAVORABILITÀ (S)	Resistenza	Materiali tipo	Resistenza/durezza	DIN
1.1	Leghe Nichel-Cobalto resistenti al calore	≤850 N/mm²	NiCu30Fe Monel	420-610 N/mm²	2.4360
1.2	Leghe Nichel-Cobalto per altissime temperature	≤1400 N/mm²	NiCr19NbMo	850-1.190 N/mm²	2.4668
1.3	Leghe Nichel-Cobalto per altissime temperature	>1400 N/mm²	Haynes 25 (L605)	1.550-2.000 N/mm²	
2.1	Titanio puro Leghe di titanio	≤950 N/mm²	Ti3 (Ti99,4) TiAl6V4	700 N/mm² 700-900 N/mm²	3.7055 3.7164
2.2	Leghe di titanio	≤1250 N/mm²	TiAl4MoSn2	900-1.250 N/mm²	3.7185

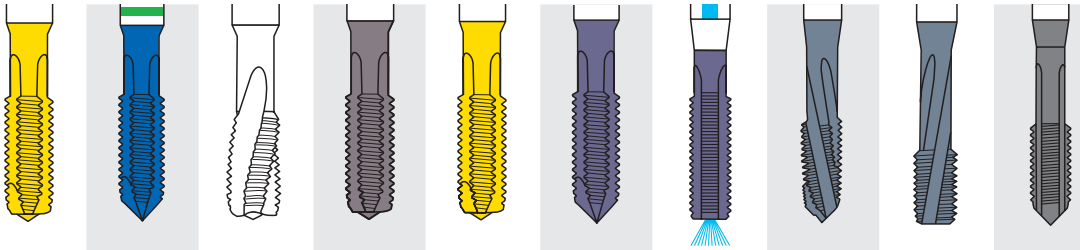
	ACCIAI DA UTENSILI (H)	Resistenza	Materiali tipo	Resistenza/durezza	DIN
1.1	Acciai trattati	-	-	<44HRC	
1.2	Acciai trattati	-	55NiCrMoV6	44-55 HRC	1.2713
1.3	Acciai trattati	-	45WCrV7	55-60 HRC	1.2542
1.4	Acciai trattati	-	X155CrVMo12-1	60-63 HRC	1.2379
1.5	Acciai trattati	-	X210CrW12	63-66 HRC	1.2436

● molto appropriato
● appropriato



Articolo	SM101	SM105FT	SM105VA	SD122	SD122C	SD122L	SD122U	SD136VA	SD138AL	SD140FA
Imbocco	-	-	-	B	B	B	B	B	B	B
Profondità foro	-	-	-	3xØ	3xØ	3xØ	3xØ	3xØ	3xØ	3xØ
Rivestimento	-	Nit	-	-	-	-	Nit+Vap	Nit	-	-
ACCIAI (A)										
1.1	●						●		●	
1.2	●			●	●	●	●	●		●
1.3	●			●	●	●	●	●		
1.4	●	●					●	●		
1.5		●								
1.6										
ACCIAI INOSSIDABILI (R)										
1.1			●				●	●		
1.2			●				●	●		
1.3			●							
GHISE (F)										
1.1							●			
1.2		●					●	●		
1.3		●					●	●		
2.1	●	●					●	●		
3.1										
MATERIALI NON FERROSI (N)										
1.1									●	●
1.2	●						●		●	●
1.3	●						●	●		●
1.4	●						●			
2.1	●									
2.2			●	●	●	●		●		●
2.3			●							
2.4							●			
2.5										
3.1										
3.2										
4.1										
4.2										
4.3										
MATERIALI DI DIFFICILE LAVORABILITÀ (S)										
1.1										
1.2		●								
1.3		●								
2.1		●								
2.2										
ACCIAI DA UTENSILI (H)										
1.1										
1.2		●								
1.3										
1.4										
1.5										

● molto appropriato
● appropriato



Articolo	SD322U	SD922	SS144SR	SG156	SG356	SG956	SG956K	SL624Ti	SR644Ti	SS721HR
Imbocco	B	B	C	C	C	C	C	D	C	C
Profondità foro	3xØ	3xØ	2xØ	2xØ	2xØ	3xØ	3,5xØ	3xØ	1,5xØ	1,5xØ
Rivestimento	TiN	antiusura	-	Nit	TiN	TiAlN	TiAlN	TiCN	TiCN	black silver
ACCIAI (A)										
1.1	●		●							
1.2	◉		●							
1.3	◉	●	●							●
1.4	◉	◉								●
1.5	●	◉								
1.6		●						●	●	◉
ACCIAI INOSSIDABILI (R)										
1.1	◉									
1.2	◉	●						◉	◉	
1.3										
GHISE (F)										
1.1	●			●	●	◉	◉			
1.2	●	◉		●	●	◉	◉		●	
1.3	●	◉				◉	◉			
2.1	●					◉	◉			●
3.1						●	●			●
MATERIALI NON FERROSI (N)										
1.1								●	●	
1.2	●									
1.3	●									
1.4	●									
2.1										
2.2			●					◉	◉	●
2.3						●	●			
2.4										◉
2.5		●				●	●			
3.1										◉
3.2										◉
4.1										◉
4.2										◉
4.3										◉
MATERIALI DI DIFFICILE LAVORABILITÀ (S)										
1.1										
1.2								◉	◉	
1.3										
2.1								◉	◉	
2.2								◉	◉	
ACCIAI DA UTENSILI (H)										
1.1		●								●
1.2										
1.3										
1.4										
1.5										

● molto appropriato
● appropriato



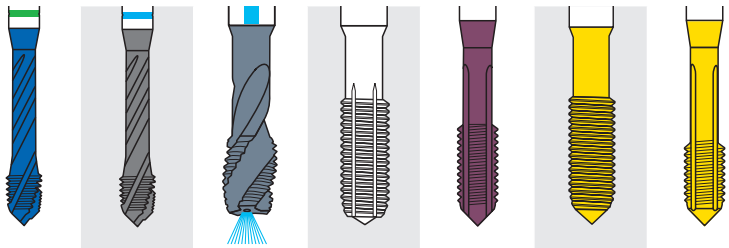

RASTREMATO






Articolo	SS721HH	SS744HR	ST108S	ST908S	ST146	ST146 6G	ST146U	ST154AL	ST170VA	ST346U
Imbocco	C	C	C	C	C	C	C	C	C	C
Profondità foro	1,5xØ	1,5xØ	3xØ	3xØ	2,5xØ	2,5xØ	2,5xØ	2,5xØ	2,5xØ	2,5xØ
Rivestimento	Hi	black silver	-	black silver	-	-	Vap	-	-	TiN
ACCIAI (A)										
1.1			●				●	●	●	
1.2			●	◉	◉	◉	◉		●	◉
1.3				◉	◉	◉	◉		●	◉
1.4		◉		◉			●		●	◉
1.5				●						◉
1.6		◉								
ACCIAI INOSSIDABILI (R)										
1.1			●	◉			●		●	●
1.2			◉	◉			●		●	●
1.3				◉						
GHISE (F)										
1.1		◉					●			●
1.2		◉					●			◉
1.3							●			●
2.1							●			●
3.1										
MATERIALI NON FERROSI (N)										
1.1								◉		
1.2							●	●		◉
1.3			●				●			●
1.4			●				●			●
2.1										
2.2					●	●			●	
2.3										
2.4							●			◉
2.5										
3.1										
3.2										
4.1										
4.2										
4.3										
MATERIALI DI DIFFICILE LAVORABILITÀ (S)										
1.1										
1.2										
1.3										
2.1										
2.2										
ACCIAI DA UTENSILI (H)										
1.1		◉								
1.2	◉									
1.3	●									
1.4										
1.5										

● molto appropriato
● appropriato



Articolo	ST946	ST970VA	ST970VAK	SM076N	SM674	SM374	SM376N
Imbocco	C	C	C	C	C	C	C
Profondità foro	3xØ	3,5xØ	3xØ	3xØ	3xØ	3xØ	3xØ
Rivestimento	antiusura	black silver	TiCN	-	Hi	TiN	TiN
ACCIAI (A)							
1.1					●	●	●
1.2		●	●		●	●	●
1.3	●	●	●		●	●	●
1.4	●	●	●		●	●	●
1.5	●	●	●			●	●
1.6	●						
ACCIAI INOSSIDABILI (R)							
1.1		●	●		●	●	●
1.2	●	●	●		●	●	●
1.3					●	●	●
GHISE (F)							
1.1							
1.2	●	●	●				
1.3	●						
2.1							
3.1							
MATERIALI NON FERROSI (N)							
1.1					●		
1.2		●	●	●	●		
1.3		●	●	●	●	●	●
1.4				●		●	●
2.1							
2.2							
2.3	●						
2.4		●	●				
2.5	●						
3.1							
3.2							
4.1							
4.2							
4.3							
MATERIALI DI DIFFICILE LAVORABILITÀ (S)							
1.1							
1.2							
1.3							
2.1							
2.2							
ACCIAI DA UTENSILI (H)							
1.1							
1.2							
1.3							
1.4							
1.5							

Articolo	fori	codice	M pagina	MF pagina	G pagina	UNF pagina	UNC pagina
Maschi a mano	Fori ciechi e passanti	SM101	9	-	-	-	-
Maschi a mano	Fori ciechi e passanti	SM105FT	10	-	-	-	-
Maschi a mano	Fori ciechi e passanti	SM105VA	11	-	-	-	-
Maschi a macchina	Fori passanti	SD122	12	46	58	67	70
Maschi a macchina	Fori passanti	SD122C	13	-	-	-	-
Maschi a macchina	Fori passanti	SD122L	14	-	-	-	-
Maschi a macchina	Fori passanti	SD122U	15	47	-	-	-
Maschi a macchina	Fori passanti	SD136VA	16	48	-	-	-
Maschi a macchina	Fori passanti	SD138AL	17	-	-	-	-
Maschi a macchina	Fori passanti	SD140FA	18	-	-	-	-
Maschi a macchina	Fori passanti	SD322U	19	49	59	-	-
Maschi a macchina	Fori passanti	SD922	20	50	60	-	-
Maschi a macchina	Fori ciechi	SS144SR	21	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SG156	22	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SG356	23	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SG956	24	-	61	-	-
Maschi a macchina	Fori ciechi e passanti	SG956K	25	-	62	-	-
Maschi a macchina	Fori passanti	SL624Ti	26	51	-	-	-
Maschi a macchina	Fori ciechi	SR644Ti	27	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SS721HR	28	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SS721HH	29	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SS744HR	30	-	-	-	-
Maschi a macchina	Fori ciechi	ST108S	31	-	-	-	-
Maschi a macchina	Fori ciechi	ST908S	32	-	-	-	-
Maschi a macchina	Fori ciechi	ST146	33	52	63	68	71
Maschi a macchina	Fori ciechi	ST146 6G	34	-	-	-	-
Maschi a macchina	Fori ciechi	ST146U	35	53	-	-	-
Maschi a macchina	Fori ciechi	ST154AL	36	-	-	-	-
Maschi a macchina	Fori ciechi	ST170VA	37	54	-	-	-
Maschi a macchina	Fori ciechi	ST346U	38	55	64	-	-
Maschi a macchina	Fori ciechi	ST946	39	56	65	69	72
Maschi a macchina	Fori ciechi	ST970VA	40	-	-	-	-
Maschi a macchina	Fori ciechi	ST970VAK	41	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SM076N	42	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SM674	43	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SM374	44	-	-	-	-
Maschi a macchina	Fori ciechi e passanti	SM376N	45	57	66	-	-

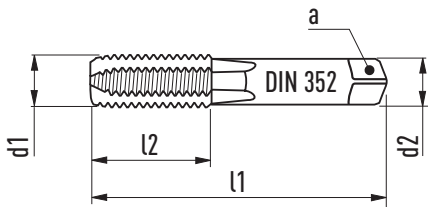
M

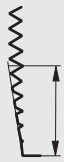
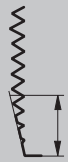
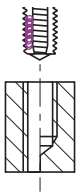
SM101
SET

MASCHI A MANO PER FORI CIECHI E PASSANTI USO GENERICO HSS-E

SM101 SET

Primo	Secondo	Terzo	
			Lucido



Imbocco			Profilo	Tipo di foro	Tolleranza	Applicazioni	
5-6 filetti	3-4 filetti	2-3 filetti	Norma ISO DIN 13				
					ISO 2/6H	Acciai	**1.1 - 1.3** / 1.4
						Ghise	2.1
						Non Ferrosi	**1.2 - 1.3** / 1.4 / 2.1

d1	tipo	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	I, II, III	0,5	40	10	3,5	2,7	2,5	352
M 4	I, II, III	0,7	45	12	4,5	3,4	3,3	352
M 5	I, II, III	0,8	50	14	6,0	4,9	4,2	352
M 6	I, II, III	1,0	56	16	6,0	4,9	5,0	352
M 8	I, II, III	1,25	63	20	6,0	4,9	6,8	352
M 10	I, II, III	1,5	70	22	7,0	5,5	8,5	352
M 12	I, II, III	1,75	75	24	9,0	7,0	10,2	352
M 14	I, II, III	2,0	80	26	11,0	9,0	12,0	352
M 16	I, II, III	2,0	80	27	12,0	9,0	14,0	352
M 20	I, II, III	2,5	95	32	16,0	12,0	17,5	352

M

SM105FT
SET

MASCHI A MANO PER FORI CIECHI E PASSANTI HSS-E

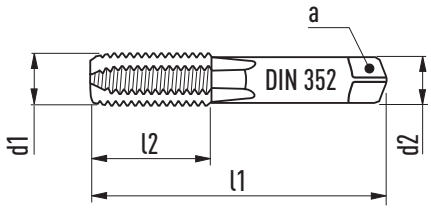
Per acciai e leghe dure quali Ferro Tic, Ampco, Titanio, ecc.

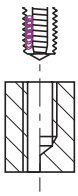
Il maschio Primo con pilota serve per applicazioni a mano e non è necessario per applicazioni a macchina. Nei fori passanti, maschiando a mano, non è necessario il maschio Secondo.

SM105FT SET

Primo	Secondo	Terzo	Con pilota
			

Nit



Imbocco				Profilo	Tipo di foro	Tolleranza	Applicazioni	
2-3 filetti	2-3 filetti	2-3 filetti	2-3 filetti	Norma ISO DIN 13				
						6HX	Acciai	1.4 - 1.5
							Ghise	**1.2 - 1.3** / 2.1
							NiCrTi	**1.2 - 1.3** / 2.1
							Acciai da utensili	1.2

d1	tipo	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	I, II, III	0,5	40	10	3,5	2,7	2,50	352
M 3	I con pilota	0,5	40	10	3,5	2,7	2,50	352
M 4	I, II, III	0,7	45	12	4,5	3,4	3,30	352
M 4	I con pilota	0,7	45	12	4,5	3,4	3,30	352
M 5	I, II, III	0,8	50	14	6,0	4,9	4,20	352
M 5	I con pilota	0,8	50	14	6,0	4,9	4,20	352
M 6	I, II, III	1,0	56	16	6,0	4,9	5,00	352
M 6	I con pilota	1,0	56	16	6,0	4,9	5,00	352
M 8	I, II, III	1,25	63	20	6,0	4,9	6,80	352
M 8	I con pilota	1,25	63	20	6,0	4,9	6,80	352
M 10	I, II, III	1,5	70	22	7,0	5,5	8,50	352
M 10	I con pilota	1,5	70	22	7,0	5,5	8,50	352
M 12	I, II, III	1,75	75	24	9,0	7,0	10,20	352
M 12	I con pilota	1,75	75	24	9,0	7,0	10,20	352
M 16	I, II, III	2,0	80	27	12,0	9,0	14,00	352
M 16	I con pilota	2,0	80	27	12,0	9,0	14,00	352

M

SM105VA
SET

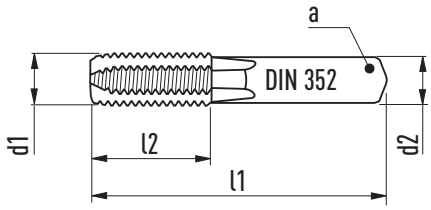
MASCHI A MANO PER FORI CIECHI E PASSANTI HSS-E VA

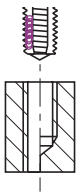
Uso acciai e inox.

Il maschio Primo con pilota serve per applicazioni a mano e non è necessario per applicazioni a macchina. Nei fori passanti, maschiando a mano, non è necessario il maschio Secondo.

SM105VA SET

Primo	Secondo	Terzo	
			Lucido



Imbocco			Profilo	Tipo di foro	Tolleranza	Applicazioni	
2-3 filetti	2-3 filetti	2-3 filetti	Norma ISO DIN 13		6HX	Inox	**1.1 - 1.2** / 1.3
						Non Ferrosi	2.2 - 2.3

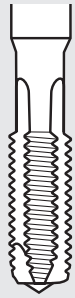
d1	tipo	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	III	0,5	40	10	3,5	2,7	2,5	352
M 4	III	0,7	45	12	4,5	3,4	3,3	352
M 5	III	0,8	50	14	6,0	4,9	4,2	352
M 6	I, II, III	1,0	56	16	6,0	4,9	5,0	352
M 8	I, II, III	1,25	63	20	6,0	4,9	6,8	352
M 12	I, II, III	1,75	75	24	9,0	7,0	10,2	352
M 16	I, II, III	2,0	80	27	12,0	9,0	14,0	352

M

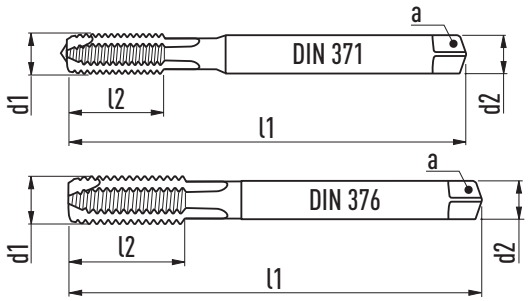
SD122

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

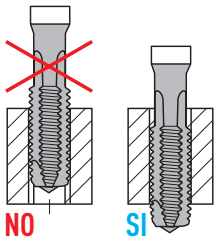
SD122

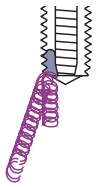
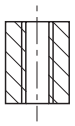


Lucido



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	B 4-5 filetti	3xØ	ISO 2/6H	Acciai	1.2 - 1.3
				Non Ferrosi	2.2

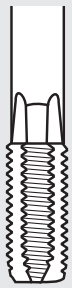
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 1,4	0,3	40	6	2,5	2,1	1,1	371
M 1,6	0,35	40	6	2,5	2,1	1,25	371
M 2	0,4	45	7	2,8	2,1	1,6	371
M 2,5	0,45	50	9	2,8	2,1	2,05	371
M 2,6	0,45	50	9	2,8	2,1	2,15	371
M 3	0,5	56	11	3,5	2,7	2,5	371
M 3,5	0,6	56	12	4,0	3,0	2,9	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 7	1,0	80	17	7,0	5,5	6,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 12	1,75	110	24	9,0	7,0	10,2	376
M 14	2,0	110	26	11,0	9,0	12,0	376
M 16	2,0	110	27	12,0	9,0	14,0	376
M 18	2,5	125	30	14,0	11,0	15,5	376
M 20	2,5	140	32	16,0	12,0	17,5	376
M 24	3,0	160	34	18,0	14,5	21,0	376

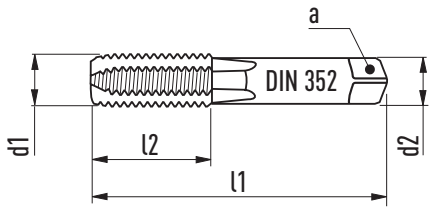
SD122C
CORTO

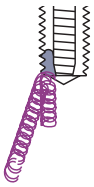
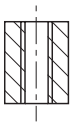
MASCHI A MACCHINA
PER FORI PASSANTI HSS-E

SD122C



Lucido



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	36	8	2,8	2,1	1,6	352
M 2,5	0,45	40	9	2,8	2,1	2,05	352
M 3	0,5	40	10	3,5	2,7	2,5	352
M 4	0,7	45	12	4,5	3,4	3,3	352
M 5	0,8	50	14	6,0	4,9	4,2	352
M 6	1,0	56	16	6,0	4,9	5,0	352
M 8	1,25	63	20	6,0	4,9	6,8	352
M 10	1,5	70	22	7,0	5,5	8,5	352
M 12	1,75	75	24	9,0	7,0	10,2	352
M 16	2,0	80	27	12,0	9,0	14,0	352

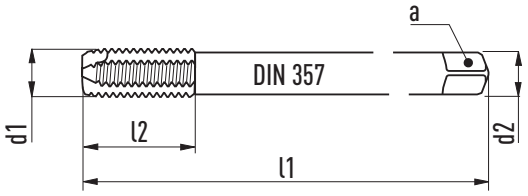
SD122L
EXTRA LUNGO

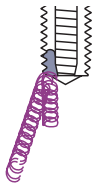
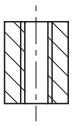
MASCHI A MACCHINA PER FORI PASSANTI HSS-E

Versione XXL disponibile a richiesta.

SD122L

Lucido



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	0,5	70	11	2,2	-	2,5	357
M 4	0,7	90	13	2,8	2,1	3,3	357
M 5	0,8	100	15	3,5	2,7	4,2	357
M 6	1,0	110	17	4,5	3,4	5,0	357
M 8	1,25	125	20	6,0	4,9	6,8	357

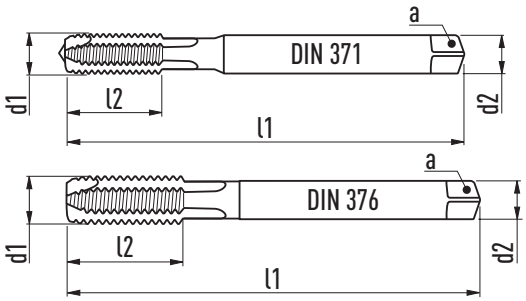
SD122U
UNIVERSALE

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

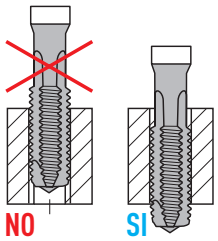
Progettato per un ampio spettro di applicazioni.

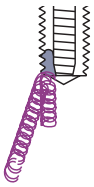
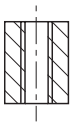
SD122U

NiT + Vap



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	1.1 / **1.2 - 1.3** / 1.4
				Inox	1.1 - 1.2
				Ghise	1.1 - 1.3 / 2.1
				Non Ferrosi	1.2 - 1.4 / 2.4

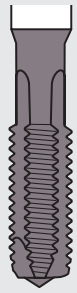
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	7	2,8	2,1	1,6	371
M 2,5	0,45	50	9	2,8	2,1	2,05	371
M 3	0,5	56	11	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371
M 12	1,75	110	24	9,0	7,0	10,2	376
M 14	2,0	110	26	11,0	9,0	12,0	376
M 16	2,0	110	27	12,0	9,0	14,0	376
M 18	2,5	125	30	14,0	11,0	15,5	376
M 20	2,5	140	32	16,0	12,0	17,5	376
M 24	3,0	160	34	18,0	14,5	21,0	376

M

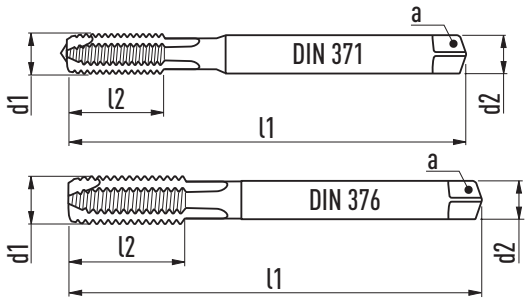
SD136VA
INOX

MASCHI A MACCHINA
PER FORI PASSANTI HSS-E

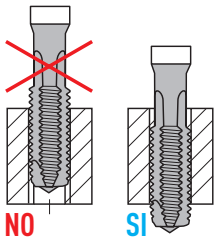
SD136VA

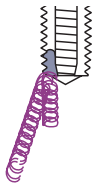
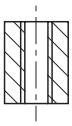


NiT



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	1.2 / **1.3** / 1.4
				Inox	**1.1 - 1.2**
				Ghise	**1.2** / 1.3 / 2.1
				Non Ferrosi	1.3 / 2.2

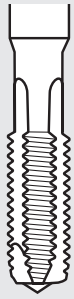
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	7	2,8	2,1	1,6	371
M 3	0,5	56	11	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371
M 12	1,75	110	24	9,0	7,0	10,2	376
M 16	2,0	110	27	12,0	9,0	14,0	376
M 20	2,5	140	32	16,0	12,0	17,5	376
M 24	3,0	160	34	18,0	14,5	21,0	376

M

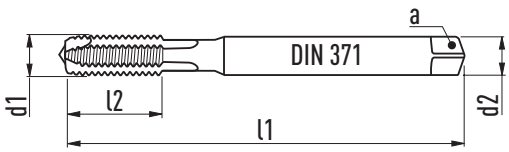
SD138AL

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

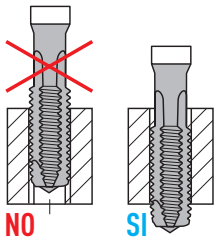
SD138AL

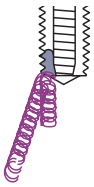
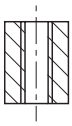


Lucido



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	1.1
				Non Ferrosi	**1.1** - 1.2

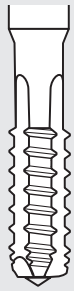
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	0,5	56	11	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371

M

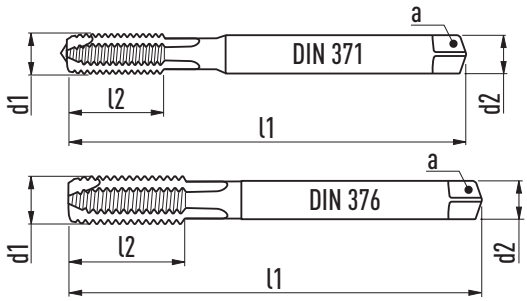
SD140FA

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

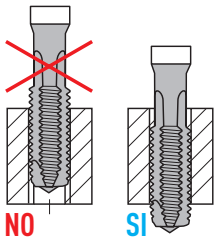
SD140FA

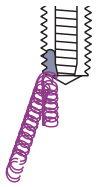
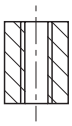


Lucido



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	1.2
				Non Ferrosi	**1.1** / 1.2 - 1.3 / **2.2**

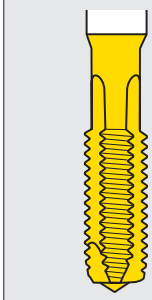
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	0,5	56	10	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 4,5	0,75	70	13	6,0	4,9	3,7	371
M 5	0,8	70	13	6,0	4,9	4,2	371
M 6	1,0	80	16	6,0	4,9	5,0	371
M 8	1,25	90	18	8,0	6,2	6,8	371
M 10	1,5	100	20	10,0	8,0	8,5	371
M 12	1,75	110	25	9,0	7,0	10,3	376
M 14	2,0	110	28	11,0	9,0	12,0	376
M 16	2,0	110	28	12,0	9,0	14,0	376

SD322U
UNIVERSALE

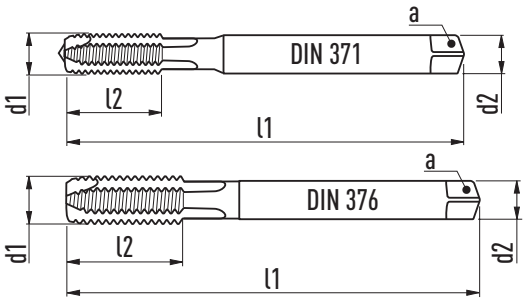
MASCHI A MACCHINA PER FORI PASSANTI HSS-E

Progettato per un ampio spettro di applicazioni.

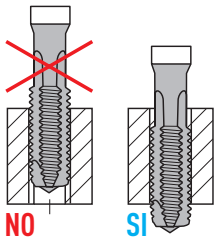
SD322U

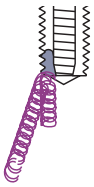
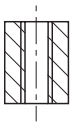


TiN



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	1.1 / **1.2 - 1.4** / 1.5
				Inox	**1.1 - 1.2**
				Ghise	1.1 - 1.3 / 2.1
				Non Ferrosi	1.2 - 1.4

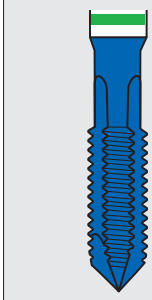
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	7	2,8	2,1	1,6	371
M 2,5	0,45	50	9	2,8	2,1	2,05	371
M 3	0,5	56	11	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371
M 12	1,75	110	24	9,0	7,0	10,2	376
M 14	2,0	110	26	11,0	9,0	12,0	376
M 16	2,0	110	27	12,0	9,0	14,0	376
M 20	2,5	140	32	16,0	12,0	17,5	376

SD922
UNIVERSALE

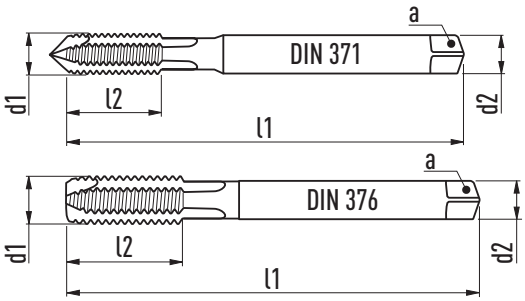
MASCHI A MACCHINA PER FORI PASSANTI PM3

Progettato per un ampio spettro di applicazioni.

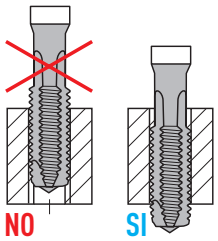
SD922

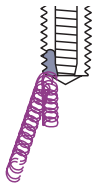
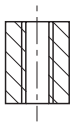


Antiusura



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	6HX

Applicazioni	
Acciai	1.3 / **1.4 - 1.5** / 1.6
Inox	1.2
Ghise	**1.2 - 1.3**
Non Ferrosi	2.5
Acciai da utensili	1.1

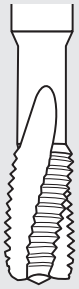
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	10	3,5	2,7	2,5	371
M 4 ▼	0,7	63	13	4,5	3,4	3,3	371
M 5 ▼	0,8	70	13	6,0	4,9	4,2	371
M 6 ▼	1,0	80	16	6,0	4,9	5,0	371
M 8 ▼	1,25	90	18	8,0	6,2	6,8	371
M 10 ▼	1,5	100	20	10,0	8,0	8,5	371
M 12	1,75	110	25	9,0	7,0	10,3	376
M 14	2,0	110	28	11,0	9,0	12,0	376
M 16	2,0	110	28	12,0	9,0	14,0	376
M 18	2,5	125	33	14,0	11,0	15,5	376
M 20	2,5	140	33	16,0	12,0	17,5	376
M 22	2,5	140	33	18,0	14,5	19,5	376
M 24	3,0	160	39	18,0	14,5	21,0	376
M 27	3,0	160	39	20,0	16,0	24,0	376
M 30	3,5	180	46	22,0	18,0	26,5	376

M

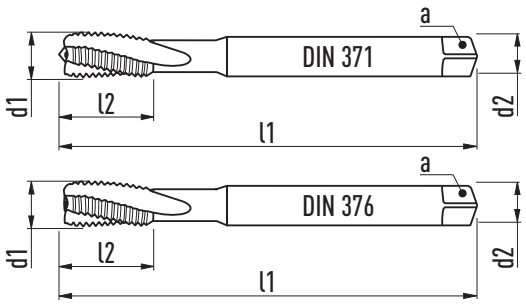
SS144SR
SPIRALE DESTRA

MASCHI A MACCHINA
PER FORI CIECHI HSS-E

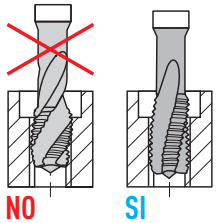
SS144SR

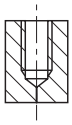


Lucido



Preferire elica lenta nei fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	3xØ	ISO 2/6H	Acciai	1.1 - 1.3
				Non Ferrosi	2.2

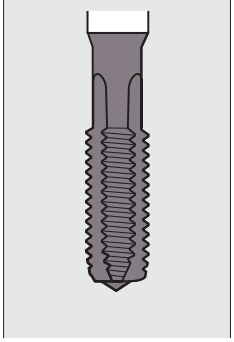
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	7	2,8	2,1	1,6	371
M 2,5	0,45	50	9	2,8	2,1	2,05	371
M 3	0,5	56	11	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371
M 12	1,75	110	24	9,0	7,0	10,2	376
M 14	2,0	110	26	11,0	9,0	12,0	376
M 16	2,0	110	27	12,0	9,0	14,0	376
M 18	2,5	125	30	14,0	11,0	15,5	376
M 20	2,5	140	32	16,0	12,0	17,5	376
M 27	3,0	160	36	20,0	16,0	24,0	376
M 30	3,5	180	40	22,0	18,0	26,5	376

M

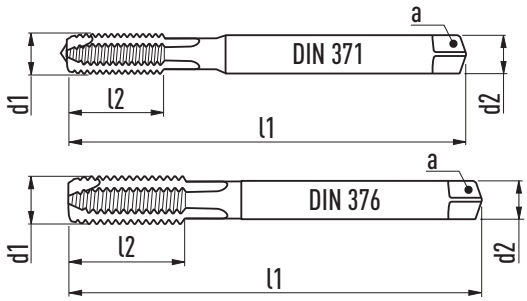
SG156
GHISA

MASCHI A MACCHINA
PER FORI CIECHI E PASSANTI HSS-E

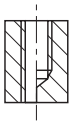
SG156



Nit



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	2xØ	6HX	Ghise	1.1 - 1.2



d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	0,5	56	11	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371
M 12	1,75	110	24	9,0	7,0	10,2	376
M 16	2,0	110	27	12,0	9,0	14,0	376

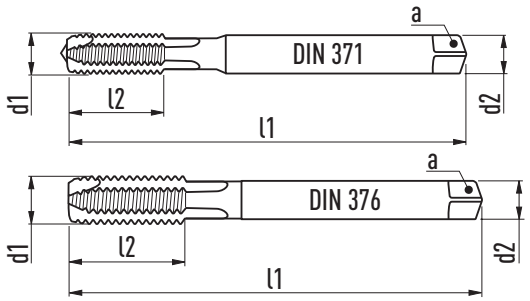
M

SG356
GHISA

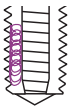
MASCHI A MACCHINA
PER FORI CIECHI E PASSANTI HSS-E

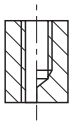
SG356

TiN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	2xØ	6HX	Ghise	1.1 - 1.2





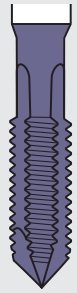
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 5	0,8	70	15	6,0	4,9	4,2	371
M 6	1,0	80	17	6,0	4,9	5,0	371
M 8	1,25	90	20	8,0	6,2	6,8	371
M 10	1,5	100	22	10,0	8,0	8,5	371
M 12	1,75	110	24	9,0	7,0	10,2	376
M 16	2,0	110	27	12,0	9,0	14,0	376

M

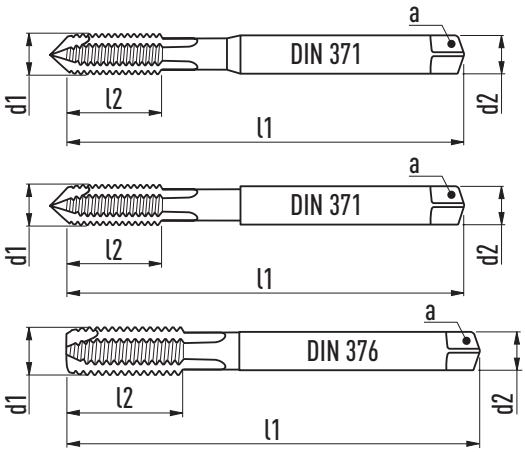
SG956
GHISA

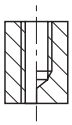
MASCHI A MACCHINA
PER FORI CIECHI E PASSANTI PM3

SG956



TiAlN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	3xØ	6HX	Ghise	**1.1 - 1.3** / **2.1** / 3.1
				Non Ferrosi	2.3 / 2.5

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 4 ▼	0,7	63	13	4,5	3,4	3,3	371
M 5 ▼	0,8	70	13	6,0	4,9	4,2	371
M 6 ▼	1,0	80	16	6,0	4,9	5,0	371
M 8	1,25	90	18	8,0	6,2	6,8	371
M 10	1,5	100	20	10,0	8,0	8,5	371
M 12	1,75	110	25	9,0	7,0	10,3	376
M 14	2,0	110	28	11,0	9,0	12,0	376
M 16	2,0	110	28	12,0	9,0	14,0	376
M 18	2,5	125	33	14,0	11,0	15,5	376
M 20	2,5	140	33	16,0	12,0	17,5	376
M 22	2,5	140	33	18,0	14,5	19,5	376
M 24	3,0	160	39	18,0	14,5	21,0	376

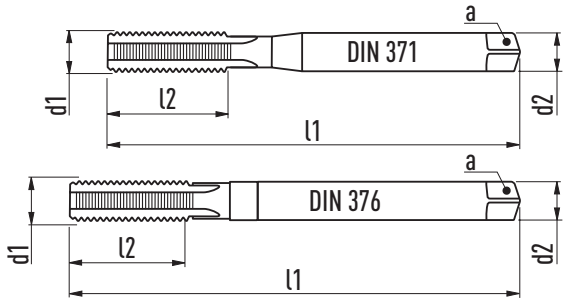
M

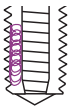
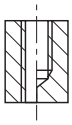
SG956K
GHISA

MASCHI A MACCHINA
PER FORI CIECHI E PASSANTI PM3

SG956K

TiAlN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	3,5xØ	6HX	Ghise	**1.1 - 1.3 / 2.1** / 3.1
				Non Ferrosi	2.3 / 2.5

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 6	1,0	80	16	6,0	4,9	5,0	371
M 8	1,25	90	18	8,0	6,2	6,8	371
M 10	1,5	100	20	10,0	8,0	8,5	371
M 12	1,75	110	25	9,0	7,0	10,3	376
M 14	2,0	110	28	11,0	9,0	12,0	376
M 16	2,0	110	28	12,0	9,0	14,0	376
M 18	2,5	125	33	14,0	11,0	15,5	376
M 20	2,5	140	33	16,0	12,0	17,5	376
M 22	2,5	140	33	18,0	14,5	19,5	376
M 24	3,0	160	39	18,0	14,5	21,0	376

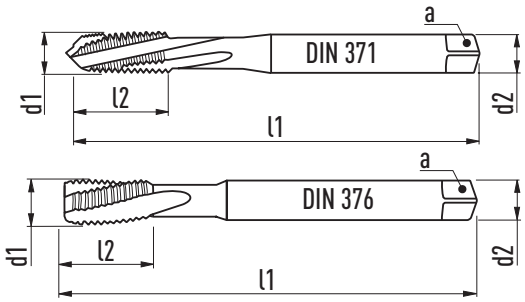
M

SL624Ti
TITANIO

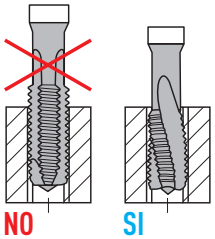
MASCHI A MACCHINA
PER FORI PASSANTI PM3

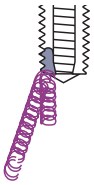
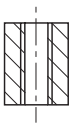
SR624Ti

TiCN



Meno critica la spirale sinistra
se l'imbocco non esce dal foro
o se il taglio è interrotto



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	D 4-5 filetti 	3xØ 	6HX	Acciai	1.6
				Inox	**1.2**
				Non Ferrosi	1.1 / **2.2**
				NiCrTi	**1.2 / 2.1 - 2.2**

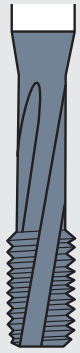
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	0,5	56	10	3,5	2,7	2,5	371
M 4	0,7	63	13	4,5	3,4	3,3	371
M 5	0,8	70	13	6,0	4,9	4,2	371
M 6	1,0	80	16	6,0	4,9	5,0	371
M 8	1,25	90	18	8,0	6,2	6,8	371
M 10	1,5	100	20	10,0	8,0	8,5	371
M 12	1,75	110	25	9,0	7,0	10,3	376
M 16	2,0	110	28	12,0	9,0	14,0	376

M

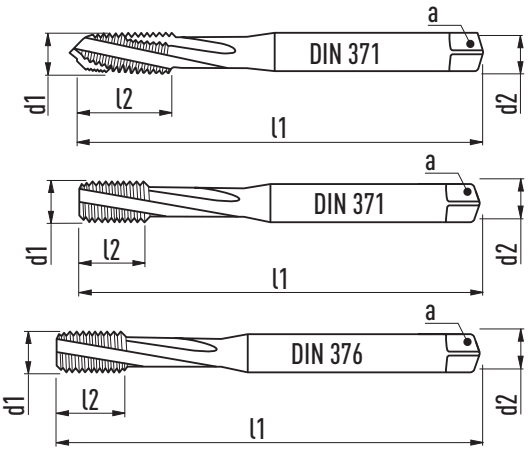
SR644Ti
TITANIO

MASCHI A MACCHINA PER FORI CIECHI PM3

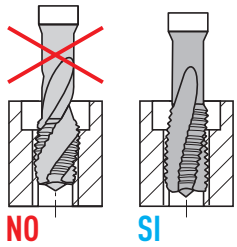
SR644Ti

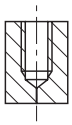


TiCN



Preferire elica lenta nei fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza
Norma ISO DIN 13 	C 2-3 filetti 	1,5xØ 	6HX

Applicazioni	
Acciai	1.6
Inox	**1.2**
Ghise	1.2
Non Ferrosi	1.1 / **2.2**
NiCrTi	**1.2 / 2.1 - 2.2**

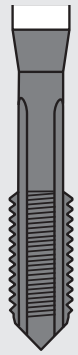
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	5	3,5	2,7	2,5	371
M 4 ▼	0,7	63	7	4,5	3,4	3,3	371
M 5 ▼	0,8	70	8	6,0	4,9	4,2	371
M 6 ▼	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	13	8,0	6,2	6,8	371
M 10	1,5	100	15	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,3	376
M 16	2,0	110	20	12,0	9,0	14,0	376

M

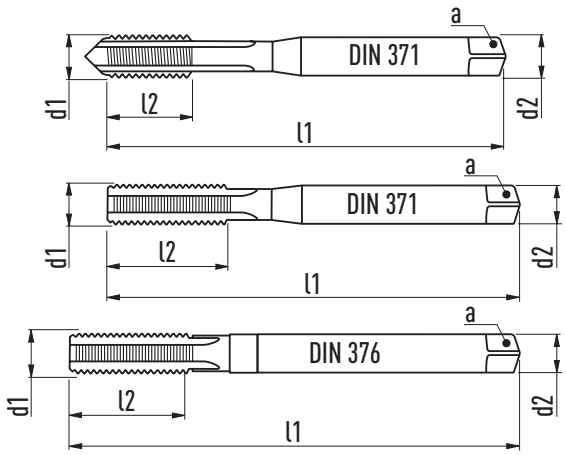
SS721HR

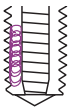
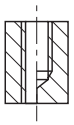
MASCHI A MACCHINA PER FORI CIECHI E PASSANTI PM3

SS721HR



black silver



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	1,5xØ 	6HX	Acciai ≤ 45 HRC	1.3 - 1.4 / **1.6**
				Ghise	2.1 - 3.1
				Non Ferrosi	2.2 / **2.4** / **3.1 - 3.2** / **4.1 - 4.3**
				Acciai da utensili	1.1

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	10	3,5	2,7	2,5	371
M 4 ▼	0,7	63	13	4,5	3,4	3,3	371
M 5 ▼	0,8	70	13	6,0	4,9	4,2	371
M 6 ▼	1,0	80	16	6,0	4,9	5,0	371
M 8	1,25	90	18	8,0	6,2	6,8	371
M 10	1,5	100	20	10,0	8,0	8,5	371
M 12	1,75	110	25	9,0	7,0	10,3	376
M 14	2,0	110	28	11,0	9,0	12,0	376
M 16	2,0	110	28	12,0	9,0	14,0	376

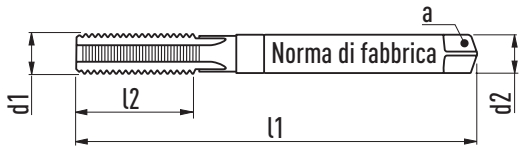
M

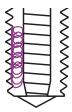
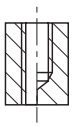
SS721HH

MASCHI A MACCHINA
PER FORI CIECHI E PASSANTI PM1

SS721HH

Hi



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	1,5xØ 	6HX	Acciai da utensili ≤ 52 HRC	**1.2** / 1.3

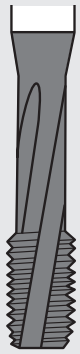
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 6	1,0	80	18	6,0	4,9	5,0	ndf
M 8	1,25	90	25	8,0	6,2	6,8	ndf
M 10	1,5	100	30	10,0	8,0	8,5	ndf
M 12	1,75	110	30	12,0	9,0	10,3	ndf

M

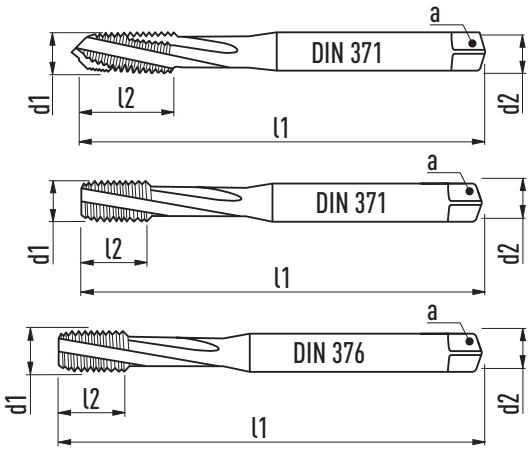
SS744HR

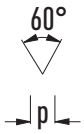
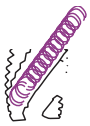
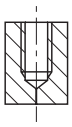
MASCHI A MACCHINA PER FORI CIECHI E PASSANTI PM3

SS744HR



black silver



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	1,5xØ 	6HX	Acciai	1.4 / 1.6
				Ghise	1.1 - 1.2
				Acciai da utensili	1.1

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	5	3,5	2,7	2,5	371
M 4 ▼	0,7	63	7	4,5	3,4	3,3	371
M 5 ▼	0,8	70	8	6,0	4,9	4,2	371
M 6 ▼	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	13	8,0	6,2	6,8	371
M 10	1,5	100	15	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,3	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	20	12,0	9,0	14,0	376

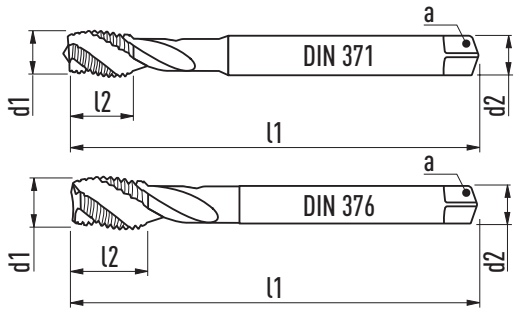
M

ST108S
RASTREMATO

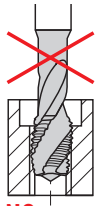
MASCHI A MACCHINA
PER FORI CIECHI HSS-E

ST108S

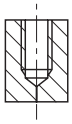
Lucido



Evitare i fori incassati



NO

Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	3xØ 	ISO 2/6H	Acciai	1.1 - 1.2
				Inox	1.1 - **1.2**
				Non Ferrosi	1.3 - 1.4

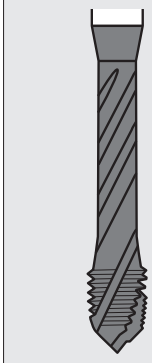
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 5	0,8	70	8	6,0	4,9	4,2	371
M 6	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	14	8,0	6,2	6,8	371
M 10	1,5	100	16	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,2	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	22	12,0	9,0	14,0	376
M 20	2,5	140	25	16,0	12,0	17,5	376

M

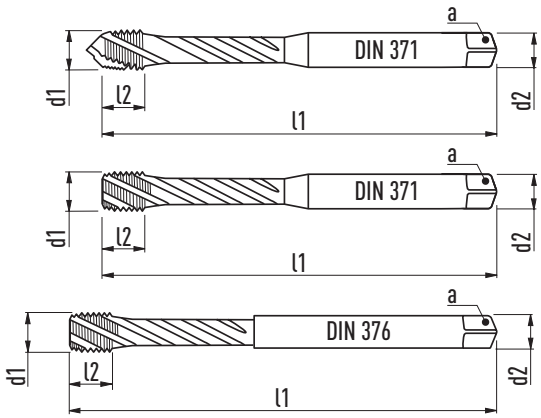
ST908S
RASTREMATO

MASCHI A MACCHINA
PER FORI CIECHI HSS-E

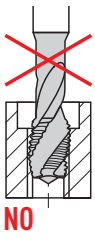
ST908S



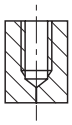
Black Silver



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	3xØ	6HX	Acciai	**1.2 - 1.4** / 1.5
				Inox	**1.1 - 1.3**



d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	5	3,5	2,7	2,5	371
M 4 ▼	0,7	63	7	4,5	3,4	3,3	371
M 5 ▼	0,8	70	8	6,0	4,9	4,2	371
M 6 ▼	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	13	8,0	6,2	6,8	371
M 10	1,5	100	15	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,3	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	20	12,0	9,0	14,0	376
M 18	2,5	125	25	14,0	11,0	15,5	376
M 20	2,5	140	25	16,0	12,0	17,5	376
M 22	2,5	140	25	18,0	14,5	19,5	376
M 24	3,0	160	30	18,0	14,5	21,0	376

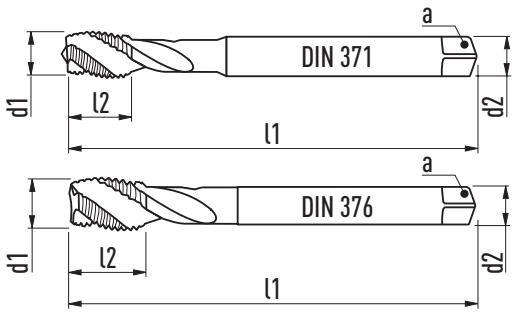
M

ST146

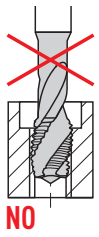
MASCHI A MACCHINA PER FORI CIECHI HSS-E

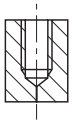
ST146

Lucido



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	2,5xØ 	ISO 2/6H	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	4	2,8	2,1	1,6	371
M 3	0,5	56	6	3,5	2,7	2,5	371
M 4	0,7	63	7	4,5	3,4	3,3	371
M 5	0,8	70	8	6,0	4,9	4,2	371
M 6	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	14	8,0	6,2	6,8	371
M 10	1,5	100	16	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,2	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	22	12,0	9,0	14,0	376
M 18	2,5	125	25	14,0	11,0	15,5	376
M 20	2,5	140	25	16,0	12,0	17,5	376
M 24	3,0	160	30	18,0	14,5	21,0	376

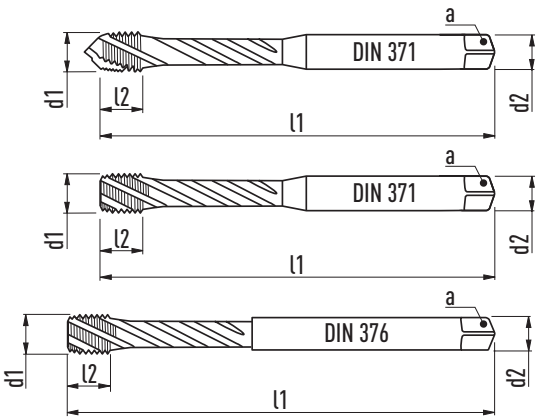
M

ST146 6G
TOLLERANZA 6G

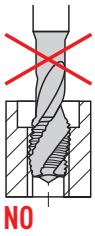
MASCHI A MACCHINA
PER FORI CIECHI HSS-E

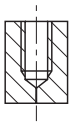
ST146 6G

Lucido



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	2,5xØ	ISO 3/6G	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

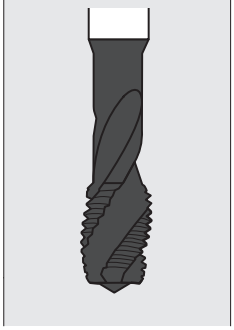
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	5	3,5	2,7	2,5	371
M 4 ▼	0,7	63	7	4,5	3,4	3,3	371
M 5 ▼	0,8	70	8	6,0	4,9	4,2	371
M 6 ▼	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	13	8,0	6,2	6,8	371
M 10	1,5	100	15	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,3	376

ST146U
UNIVERSALE

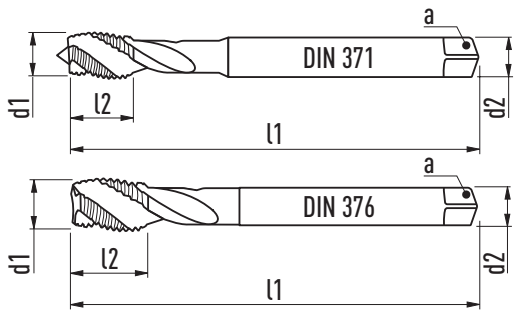
MASCHI A MACCHINA PER FORI CIECHI HSS-E

Progettato per un ampio spettro di applicazioni.

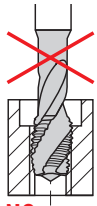
ST146U



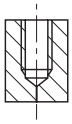
Vap



Evitare i fori incassati



NO

Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	2,5xØ 	ISO 2/6H	Acciai	1.1 - **1.2 - 1.3** / 1.4
				Inox	1.1 - 1.2
				Ghise	1.1 - 1.3 / 2.1
				Non Ferrosi	1.2 - 1.4 / 2.4

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	4	2,8	2,1	1,6	371
M 2,5	0,45	50	5	2,8	2,1	2,05	371
M 3	0,5	56	6	3,5	2,7	2,5	371
M 4	0,7	63	7	4,5	3,4	3,3	371
M 5	0,8	70	8	6,0	4,9	4,2	371
M 6	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	14	8,0	6,2	6,8	371
M 10	1,5	100	16	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,2	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	22	12,0	9,0	14,0	376
M 18	2,5	125	25	14,0	11,0	15,5	376
M 20	2,5	140	25	16,0	12,0	17,5	376
M 24	3,0	160	30	18,0	14,5	21,0	376
M 30	3,5	180	35	22,0	18,0	26,5	376

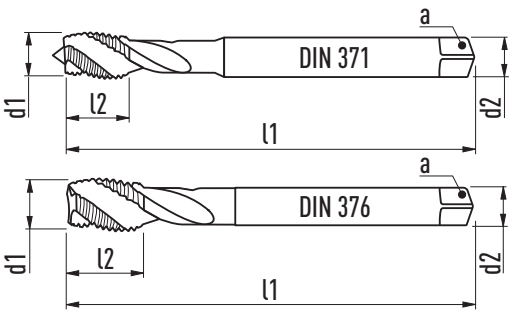
M

ST154AL

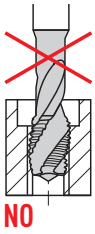
MASCHI A MACCHINA PER FORI CIECHI HSS-E

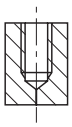
ST154AL

Lucido



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	2,5xØ 	ISO 2/6H	Acciai	1.1
				Non Ferrosi	**1.1** / 1.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	4	2,8	2,1	1,6	371
M 2,5	0,45	50	5	2,8	2,1	2,05	371
M 3	0,5	56	6	3,5	2,7	2,5	371
M 4	0,7	63	7	4,5	3,4	3,3	371
M 5	0,8	70	8	6,0	4,9	4,2	371
M 6	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	14	8,0	6,2	6,8	371
M 10	1,5	100	16	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,2	376
M 20	2,5	140	25	16,0	12,0	17,5	376

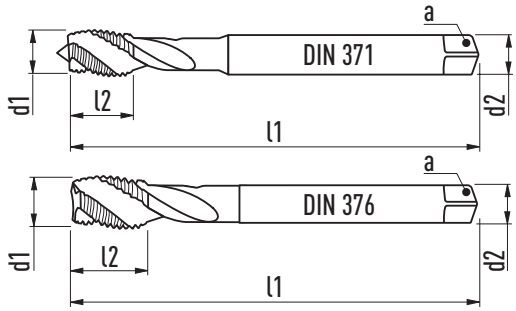
M

ST170VA
INOX

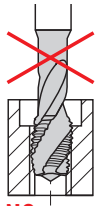
MASCHI A MACCHINA PER FORI CIECHI HSS-E

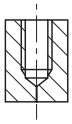
ST170VA

Lucido



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	2,5xØ 	ISO 2/6H	Acciai	1.1 - 1.4
				Inox	1.1 - 1.2
				Non Ferrosi	2.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2	0,4	45	4	2,8	2,1	1,6	371
M 2,5	0,45	50	5	2,8	2,1	2,05	371
M 3	0,5	56	6	3,5	2,7	2,5	371
M 4	0,7	63	7	4,5	3,4	3,3	371
M 5	0,8	70	8	6,0	4,9	4,2	371
M 6	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	14	8,0	6,2	6,8	371
M 10	1,5	100	16	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,2	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	22	12,0	9,0	14,0	376
M 18	2,5	125	25	14,0	11,0	15,5	376
M 20	2,5	140	25	16,0	12,0	17,5	376
M 24	3,0	160	30	18,0	14,5	21,0	376

M

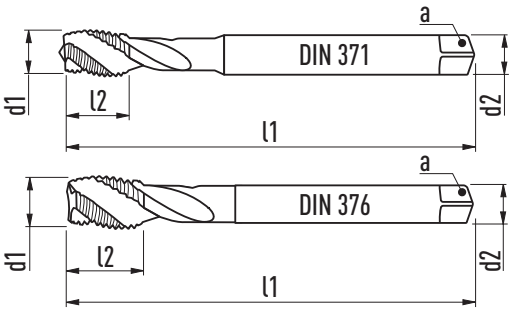
ST346U
UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI HSS-E

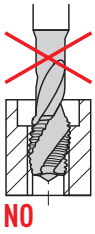
Progettato per un ampio spettro di applicazioni.

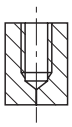
ST346U

TiN



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza
Norma ISO DIN 13 	C 2-3 filetti 	2,5xØ 	ISO 2/6H

Applicazioni	
Acciai	**1.2 - 1.5**
Inox	1.1 - 1.2
Ghise	1.1 / **1.2** / 1.3 / 2.1
Non Ferrosi	**1.2** - 1.4 / **2.4**

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 2,5	0,45	50	5	2,8	2,1	2,05	371
M 3	0,5	56	6	3,5	2,7	2,5	371
M 4	0,7	63	7	4,5	3,4	3,3	371
M 5	0,8	70	8	6,0	4,9	4,2	371
M 6	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	14	8,0	6,2	6,8	371
M 10	1,5	100	16	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,2	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	22	12,0	9,0	14,0	376
M 20	2,5	140	25	16,0	12,0	17,5	376
M 24	3,0	160	30	18,0	14,5	21,0	376

M

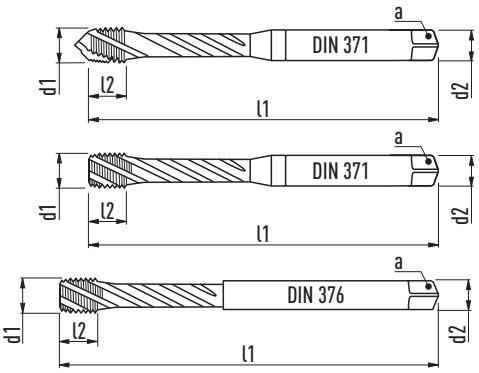
ST946
UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI PM3

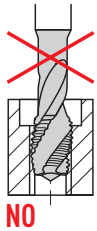
Progettato per un ampio spettro di applicazioni.

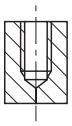
ST946

Antiusura



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	3xØ 	6HX	Acciai	1.3 / **1.4 - 1.5** / 1.6
				Inox	1.2
				Ghise	**1.2 - 1.3**
				Non Ferrosi	2.3 / 2.5

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	5	3,5	2,7	2,5	371
M 4 ▼	0,7	63	7	4,5	3,4	3,3	371
M 5 ▼	0,8	70	8	6,0	4,9	4,2	371
M 6 ▼	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	13	8,0	6,2	6,8	371
M 10	1,5	100	15	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,3	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	20	12,0	9,0	14,0	376
M 18	2,5	125	25	14,0	11,0	15,5	376
M 20	2,5	140	25	16,0	12,0	17,5	376
M 22	2,5	140	25	18,0	14,5	19,5	376
M 24	3,0	160	30	18,0	14,5	21,0	376
M 27	3,0	160	30	20,0	16,0	24,0	376
M 30	3,5	180	35	22,0	18,0	26,5	376

M

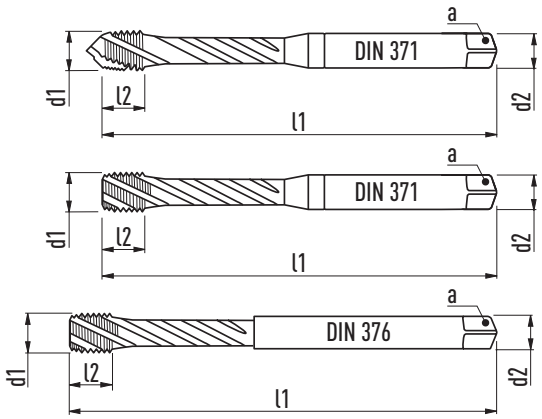
ST970VA
INOX UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI HSS-E

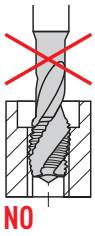
Progettato per un ampio spettro di applicazioni.

ST970VA

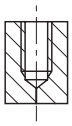
Black Silver



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	3,5xØ	6HX	Acciai	1.2 - 1.5
				Inox	1.1 - 1.2
				Ghise	1.2
				Non Ferrosi	1.2 - 1.3 / 2.4



d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3 ▼	0,5	56	5	3,5	2,7	2,5	371
M 4 ▼	0,7	63	7	4,5	3,4	3,3	371
M 5 ▼	0,8	70	8	6,0	4,9	4,2	371
M 6 ▼	1,0	80	10	6,0	4,9	5,0	371
M 8	1,25	90	13	8,0	6,2	6,8	371
M 10	1,5	100	15	10,0	8,0	8,5	371
M 12	1,75	110	18	9,0	7,0	10,3	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	20	12,0	9,0	14,0	376
M 18	2,5	125	25	14,0	11,0	15,5	376
M 20	2,5	140	25	16,0	12,0	17,5	376
M 22	2,5	140	25	18,0	14,5	19,5	376
M 24	3,0	160	30	18,0	14,5	21,0	376

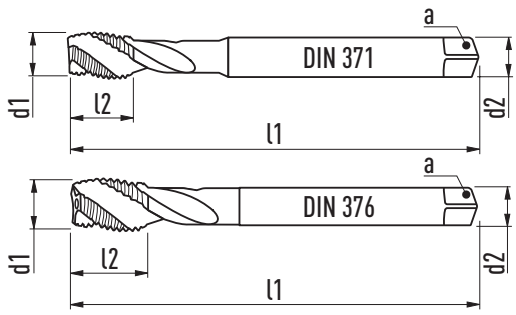
M

ST970VAK
CON FORO

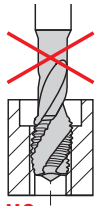
MASCHI A MACCHINA
PER FORI CIECHI HSS-E / PM

ST970VAK

TiCN

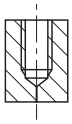


Evitare i fori incassati



NO

Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	3xØ	ISO 2/6H	Acciai	**1.2 - 1.5**
				Inox	1.1 - 1.2
				Ghise	1.2
				Non Ferrosi	1.2 - 1.3 / 2.4



d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 5	0,8	70	8,5	6,0	4,9	4,2	371
M 6	1,0	80	11	6,0	4,9	5,0	371
M 8	1,25	90	14	8,0	6,2	6,8	371
M 10	1,5	100	16	10,0	8,0	8,5	371
M 12	1,75	110	18,5	9,0	7,0	10,2	376
M 14	2,0	110	20	11,0	9,0	12,0	376
M 16	2,0	110	20	12,0	9,0	14,0	376
M 20	2,5	140	25	16,0	12,0	17,5	376

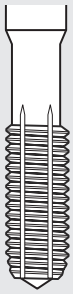
M

SM076N

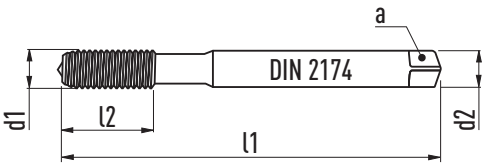
MASCHI A MACCHINA A RULLARE PER FORI CIECHI E PASSANTI HSS-E

In linea generale la rullatura è possibile su tutti i materiali con coefficiente di allungamento A5 ≥10%.

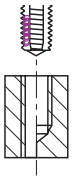
SM076N



Lucido



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	3xØ	6HX	Non Ferrosi	**1.2 - 1.4**



d1	p	l1 mm	l2 mm	d2 mm	a mm	øf* mm	DIN
M 3	0,5	56	11	3,5	2,7	2,8	2174
M 4	0,7	63	13	4,5	3,4	3,7	2174
M 5	0,8	70	15	6,0	4,9	4,65	2174
M 6	1,0	80	17	6,0	4,9	5,55	2174
M 8	1,25	90	20	8,0	6,2	7,4	2174
M 10	1,5	100	22	10,0	8,0	9,3	2174

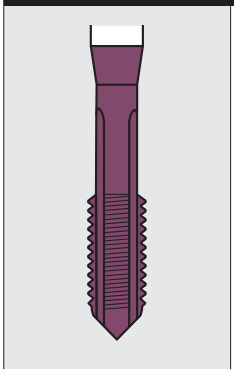
* i maschi a deformazione hanno un preforo diverso rispetto a quelli ad asportazione

SM674

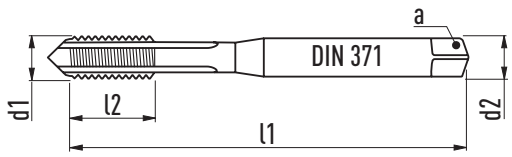
MASCHI A MACCHINA A RULLARE PER FORI CIECHI E PASSANTI PM8

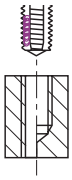
In linea generale la rullatura è possibile su tutti i materiali con coefficiente di allungamento A5 ≥10%.

SM674



Hi



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	3xØ 	6HX	Acciai	1.1 - 1.4
				Inox	1.1 - 1.3
				Non Ferrosi	1.1 - 1.3

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
M 3	0,5	56	10	3,5	2,7	2,8	371
M 4	0,7	63	13	4,5	3,4	3,7	371
M 5	0,8	70	13	6,0	4,9	4,65	371
M 6	1,0	80	16	6,0	4,9	5,55	371
M 8	1,25	90	18	8,0	6,2	7,4	371
M 10	1,5	100	20	10,0	8,0	9,3	371

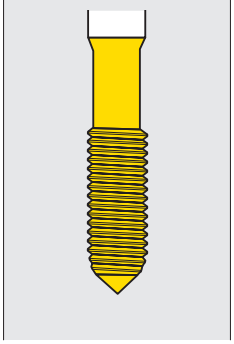
M

SM374

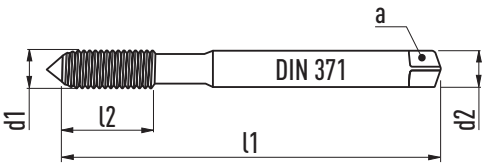
MASCHI A MACCHINA A RULLARE PER FORI CIECHI E PASSANTI PM8

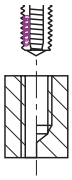
In linea generale la rullatura è possibile su tutti i materiali con coefficiente di allungamento A5 ≥10%.

SM374



TiN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	3xØ 	6HX	Acciai	**1.1 - 1.5**
				Inox	**1.1 - 1.2** / 1.3
				Non Ferrosi	**1.3 - 1.4**

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf* mm	DIN
M 2	0,4	45	10	2,8	2,1	1,82	371
M 2,5	0,45	50	13	2,8	2,1	2,3	371
M 3	0,5	56	10	3,5	2,7	2,8	371
M 4	0,7	63	13	4,5	3,4	3,7	371
M 5	0,8	70	13	6,0	4,9	4,65	371
M 6	1,0	80	16	6,0	4,9	5,55	371
M 8	1,25	90	18	8,0	6,2	7,4	371
M 10	1,5	100	20	10,0	8,0	9,3	371
	* i maschi a deformazione hanno un preforo diverso rispetto a quelli ad asportazione						

M

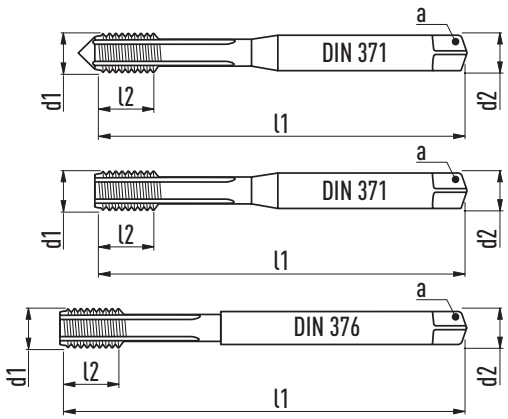
SM376N

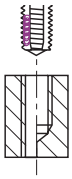
MASCHI A MACCHINA A RULLARE PER FORI CIECHI E PASSANTI PM8

In linea generale la rullatura è possibile su tutti i materiali con coefficiente di allungamento A5 ≥10%.

SM376N

TiN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	3xØ 	6HX	Acciai	**1.1 - 1.5**
				Inox	**1.1 - 1.2** / 1.3
				Non Ferrosi	1.3 - 1.4

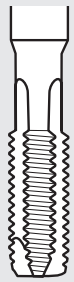
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf* mm	DIN
M 3 ▼	0,5	56	5	3,5	2,7	2,8	371
M 4 ▼	0,7	63	7	4,5	3,4	3,7	371
M 5 ▼	0,8	70	8	6,0	4,9	4,65	371
M 6	1,0	80	10	6,0	4,9	5,55	371
M 8	1,25	90	13	8,0	6,2	7,4	371
M 10	1,5	100	15	10,0	8,0	9,3	371
M 12	1,75	110	18	9,0	7,0	11,2	376
M 14	2,0	110	20	11,0	9,0	13,1	376
M 16	2,0	110	20	12,0	9,0	15,1	376
M 18	2,5	125	25	14,0	11,0	16,9	376
M 20	2,5	140	25	16,0	12,0	18,9	376
M 22	2,5	140	25	18,0	14,5	20,9	376
M 24	3,0	160	30	18,0	14,5	22,7	376
	* i maschi a deformazione hanno un preforo diverso rispetto a quelli ad asportazione						

MF

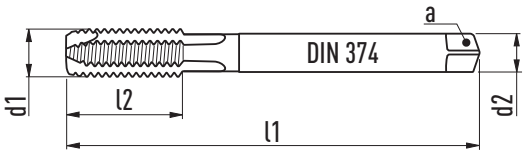
SD122

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

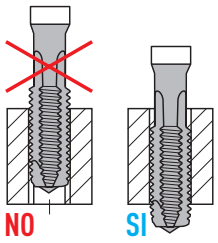
SD122

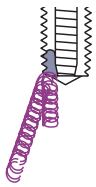
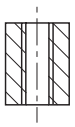


Lucido



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 4	0,5	63	10	2,8	2,1	3,5	374
MF 5	0,5	70	11	3,5	2,7	4,5	374
MF 6	0,5	80	13	4,5	3,4	5,5	374
MF 6	0,75	80	13	4,5	3,4	5,2	374
MF 8	0,5	90	17	6,0	4,9	7,0	374
MF 8	0,75	90	17	6,0	4,9	7,0	374
MF 8	1,0	90	17	6,0	4,9	7,0	374
MF 10	0,75	90	18	7,0	5,5	9,2	374
MF 10	1,0	90	18	7,0	5,5	9,0	374
MF 10	1,25	100	22	7,0	5,5	8,8	374
MF 12	1,0	100	18	9,0	7,0	11,0	374
MF 12	1,25	100	22	9,0	7,0	10,8	374
MF 12	1,5	100	22	9,0	7,0	10,5	374
MF 14	1,0	100	18	11,0	9,0	13,0	374
MF 14	1,25	100	22	11,0	9,0	12,8	374
MF 14	1,5	100	22	11,0	9,0	12,5	374

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 16	1,0	100	18	12,0	9,0	15,0	374
MF 16	1,5	100	22	12,0	9,0	14,5	374
MF 18	1,0	110	20	14,0	11,0	17,0	374
MF 18	1,5	110	25	14,0	11,0	16,5	374
MF 20	1,0	125	20	16,0	12,0	19,0	374
MF 20	1,5	125	25	16,0	12,0	18,5	374
MF 22	1,5	125	25	18,0	14,5	20,5	374
MF 24	1,5	140	27	18,0	14,5	22,5	374
MF 26	1,5	140	28	18,0	14,5	24,5	374
MF 28	1,5	140	28	20,0	16,0	26,5	374
MF 30	1,5	150	28	22,0	18,0	28,5	374

MF

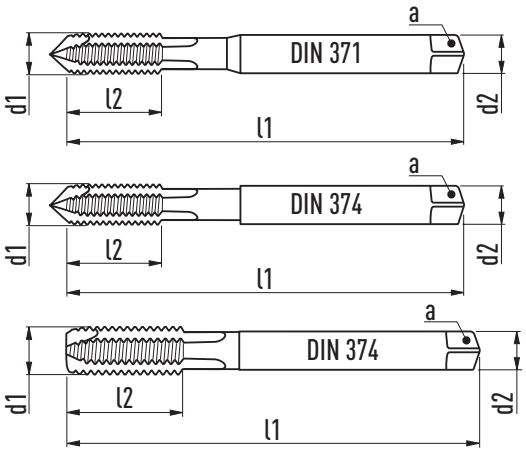
SD122U
UNIVERSALE

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

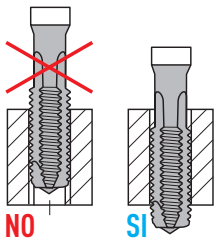
Progettato per un ampio spettro di applicazioni.

SD122U

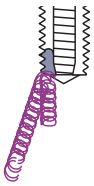
NiT + Vap

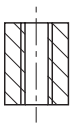


L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza
Norma ISO DIN 13	B 4-5 filetti		ISO 2/6H





Applicazioni	
Acciai	1.1 / **1.2 - 1.3** / 1.4
Inox	1.1 - 1.2
Ghise	1.1 - 1.3 / 2.1
Non Ferrosi	1.2 - 1.4 / 2.4

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 5 ▼	0,5	70	13	6,0	4,9	4,5	371
MF 6 ▼	0,75	80	16	6,0	4,9	5,25	371
MF 8 ▼	1,0	90	18	6,0	4,9	7,0	374
MF 10 ▼	1,0	90	15	7,0	5,5	9,0	374
MF 10 ▼	1,25	100	20	7,0	5,5	8,75	374
MF 12	1,0	100	22	9,0	7,0	11,0	374
MF 12	1,25	100	22	9,0	7,0	10,75	374
MF 12	1,5	100	22	9,0	7,0	10,5	374
MF 14	1,0	100	22	11,0	9,0	13,0	374
MF 14	1,5	100	22	11,0	9,0	12,5	374
MF 16	1,0	100	22	12,0	9,0	15,0	374
MF 16	1,5	100	22	12,0	9,0	14,5	374
MF 18	1,0	110	25	14,0	11,0	17,0	374
MF 18	1,5	110	25	14,0	11,0	16,5	374

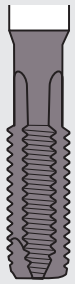
d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 20	1,0	125	25	16,0	12,0	19,0	374
MF 20	1,5	125	25	16,0	12,0	18,5	374
MF 22	1,5	125	25	18,0	14,5	20,5	374

MF

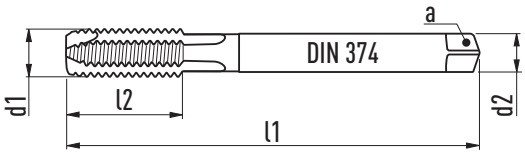
SD136VA
INOX

MASCHI A MACCHINA
PER FORI PASSANTI HSS-E

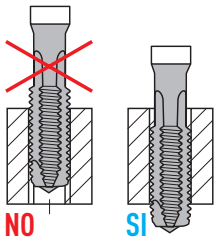
SD136VA

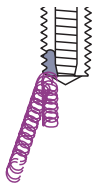
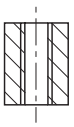


NiT



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	ISO 2/6H	Acciai	1.2 / **1.3** / 1.4
				Inox	**1.1 - 1.2**
				Ghise	**1.2** / 1.3 / 2.1
				Non Ferrosi	1.3 / 2.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 8	1,0	90	17	6,0	4,9	7,0	374
MF 10	0,75	90	18	7,0	5,5	9,2	374
MF 10	1,0	90	18	7,0	5,5	9,0	374
MF 12	1,0	100	18	9,0	7,0	11,0	374
MF 12	1,5	100	22	9,0	7,0	10,5	374
MF 20	1,5	125	25	16,0	12,0	18,5	374

MF

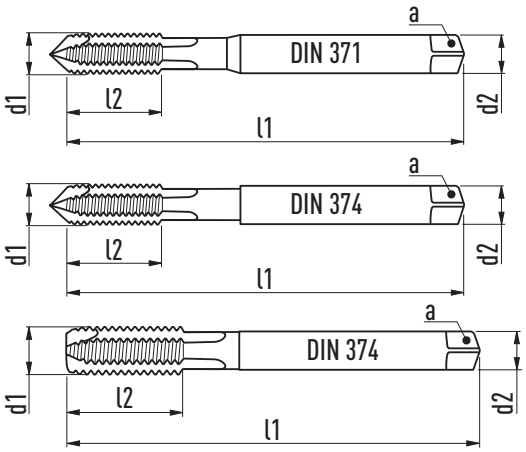
SD322U
UNIVERSALE

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

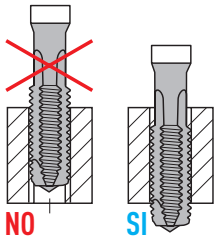
Progettato per un ampio spettro di applicazioni.

SD322U

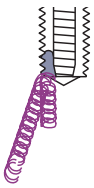
TiN

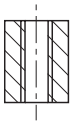


L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza
Norma ISO DIN 13	B 4-5 filetti		ISO 2/6H





Applicazioni	
Acciai	1.1 / **1.2 - 1.4** / 1.5
Inox	**1.1 - 1.2**
Ghise	1.1 - 1.3 / 2.1
Non Ferrosi	1.2 - 1.4

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 5 ▼	0,5	70	13	6,0	4,9	4,5	371
MF 6 ▼	0,75	80	16	6,0	4,9	5,25	371
MF 8 ▼	1,0	90	18	6,0	4,9	7,0	374
MF 10 ▼	1,0	90	15	7,0	5,5	9,0	374
MF 10 ▼	1,25	100	20	7,0	5,5	8,75	374
MF 12	1,0	100	22	9,0	7,0	11,0	374
MF 12	1,25	100	22	9,0	7,0	10,75	374
MF 12	1,5	100	22	9,0	7,0	10,5	374
MF 14	1,0	100	22	11,0	9,0	13,0	374
MF 14	1,5	100	22	11,0	9,0	12,5	374
MF 16	1,0	100	22	12,0	9,0	15,0	374
MF 16	1,5	100	22	12,0	9,0	14,5	374
MF 18	1,0	110	25	14,0	11,0	17,0	374
MF 18	1,5	110	25	14,0	11,0	16,5	374

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 20	1,0	125	25	16,0	12,0	19,0	374
MF 20	1,5	125	25	16,0	12,0	18,5	374
MF 22	1,5	125	25	18,0	14,5	20,5	374

MF

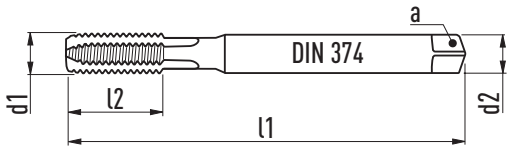
SD922
UNIVERSALE

MASCHI A MACCHINA PER FORI PASSANTI PM3

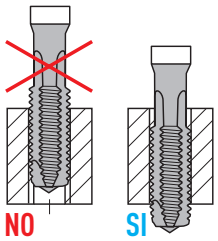
Progettato per un ampio spettro di applicazioni.

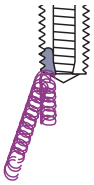
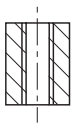
SD922

Antiusura



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	6HX	Acciai	1.3 / **1.4 - 1.5** / 1.6
				Inox	1.2
				Ghise	**1.2 - 1.3**
				Non Ferrosi	2.5
				Acciai da utensili	1.1

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 8	1,0	90	18	6,0	4,9	7,0	374
MF 10	1,0	90	15	7,0	5,5	9,0	374
MF 10	1,25	100	20	7,0	5,5	8,75	374
MF 12	1,5	100	22	9,0	7,0	10,5	374
MF 14	1,5	100	22	11,0	9,0	12,5	374
MF 16	1,5	100	22	12,0	9,0	14,5	374
MF 18	1,5	110	25	14,0	11,0	16,5	374
MF 20	1,5	125	25	16,0	12,0	18,5	374
MF 22	1,5	125	25	18,0	14,5	20,5	374
MF 24	1,5	140	25	18,0	14,5	22,5	374

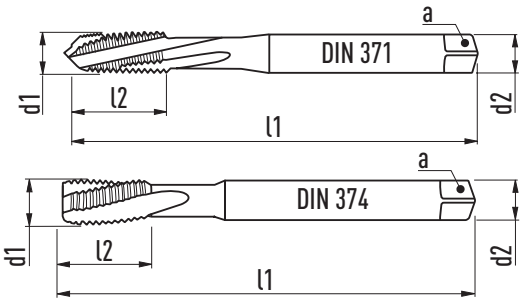
MF

SL624Ti
TITANIO

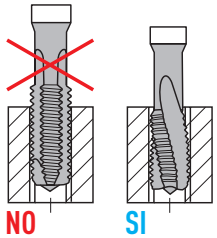
MASCHI A MACCHINA
PER FORI PASSANTI PM3

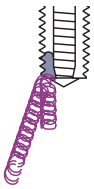
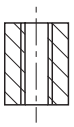
SL624Ti

TiCN



Meno critica la spirale sinistra se l'imbocco non esce dal foro o se il taglio è interrotto



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	B 4-5 filetti 	3xØ 	6HX	Acciai	1.6
				Inox	**1.2**
				Non Ferrosi	1.1 / **2.2**
				NiCrTi	**1.2 / 2.1 - 2.2**

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 8 ▼	1,0	90	18	8,0	6,2	7,0	371
MF 10 ▼	1,0	90	15	10,0	8,0	9,0	371
MF 10 ▼	1,25	100	20	10,0	8,0	8,75	371
MF 12	1,25	100	22	9,0	7,0	10,75	374
MF 12	1,5	100	22	9,0	7,0	10,5	374

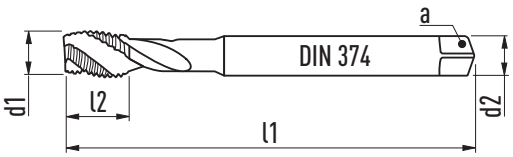
MF

ST146

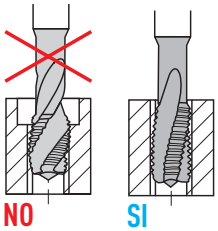
MASCHI A MACCHINA PER FORI CIECHI HSS-E

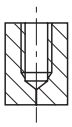
ST146

Lucido



Preferire elica lenta nei fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	2,5xØ 	ISO 2/6H	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 4	0,5	63	5	2,8	2,1	3,5	374
MF 5	0,5	70	5	3,5	2,7	4,5	374
MF 6	0,5	80	5	4,5	3,4	5,5	374
MF 6	0,75	80	8	4,5	3,4	5,2	374
MF 8	0,75	80	10	6,0	4,9	7,2	374
MF 8	1,0	90	10	6,0	4,9	7,0	374
MF 10	0,75	90	10	7,0	5,5	9,2	374
MF 10	1,0	90	10	7,0	5,5	9,0	374
MF 12	1,0	100	11	9,0	7,0	11,0	374
MF 12	1,5	100	15	9,0	7,0	10,5	374
MF 14	1,5	100	15	11,0	9,0	12,5	374
MF 16	1,5	100	15	12,0	9,0	14,5	374
MF 18	1,5	110	17	14,0	11,0	16,5	374
MF 20	1,5	125	17	16,0	12,0	18,5	374
MF 22	1,5	125	17	18,0	14,5	20,5	374
MF 24	1,5	140	20	18,0	14,5	22,5	374

MF

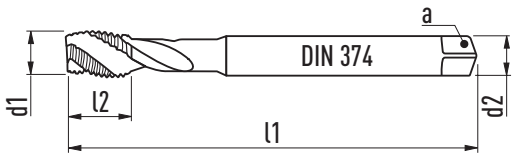
ST146U
UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI HSS-E

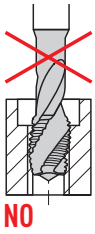
Progettato per un ampio spettro di applicazioni.

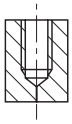
ST146U

Vap



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	2,5xØ	ISO 2/6H	Acciai	1.1 / **1.2- 1.3** / 1.4
				Inox	1.1 - 1.2
				Ghise	1.1 - 1.3 / 2.1
				Non Ferrosi	1.2 - 1.4 / 2.4

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 6	0,5	80	5	4,5	3,4	5,5	374
MF 8	1,0	90	10	6,0	4,9	7,0	374
MF 10	1,0	90	10	7,0	5,5	9,0	374
MF 10	1,25	100	16	7,0	5,5	8,8	374
MF 12	1,0	100	11	9,0	7,0	11,0	374
MF 12	1,5	100	15	9,0	7,0	10,5	374
MF 14	1,5	100	15	11,0	9,0	12,5	374
MF 16	1,5	100	15	12,0	9,0	14,5	374
MF 18	1,5	110	17	14,0	11,0	16,5	374
MF 20	1,0	125	14	16,0	12,0	19,0	374
MF 22	1,5	125	17	18,0	14,5	20,5	374

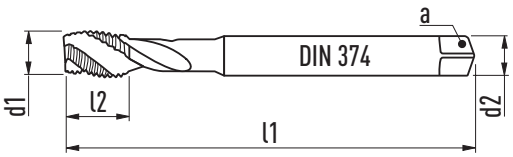
MF

ST170VA
INOX

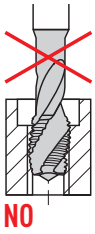
MASCHI A MACCHINA
PER FORI CIECHI HSS-E

ST170VA

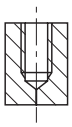
Lucido



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13	C 2-3 filetti	2,5xØ	ISO 2/6H	Acciai	1.1 - 1.4
				Inox	1.1 - 1.2
				Non Ferrosi	2.2



d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 12	1,0	100	13	9,0	7,0	11,0	374
MF 14	1,5	100	15	11,0	9,0	12,5	374
MF 16	1,5	100	15	12,0	9,0	14,5	374
MF 18	1,5	100	17	14,0	11,0	16,5	374

MF

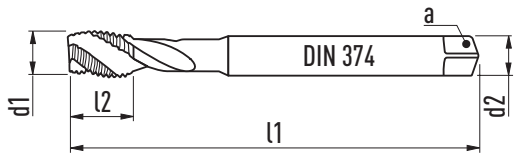
ST346U
UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI HSS-E

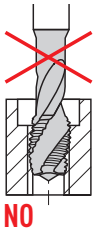
Progettato per un ampio spettro di applicazioni.

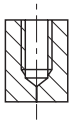
ST346U

TiN



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	2,5xØ 	ISO 2/6H	Acciai	**1.2 - 1.5**
				Inox	1.1 - 1.2
				Ghise	1.1 / **1.2** / 1.3 / 2.1
				Non Ferrosi	**1.2** / 1.3 - 1.4 / **2.4**

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 8	1,0	90	10	6,0	4,9	7,0	374
MF 10	0,75	90	10	7,0	5,5	9,2	374
MF 10	1,0	90	10	7,0	5,5	9,0	374
MF 12	1,0	100	11	9,0	7,0	11,0	374
MF 12	1,5	100	15	9,0	7,0	10,5	374
MF 14	1,5	100	15	11,0	9,0	12,5	374
MF 16	1,5	100	15	12,0	9,0	14,5	374
MF 18	1,5	110	17	14,0	11,0	16,5	374
MF 20	1,5	125	17	16,0	12,0	18,5	374

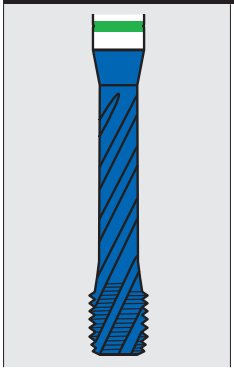
MF

ST946
UNIVERSALE

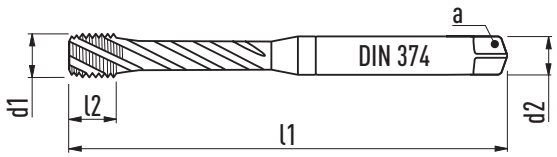
MASCHI A MACCHINA PER FORI CIECHI PM3

Progettato per un ampio spettro di applicazioni.

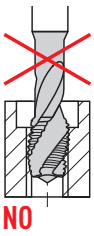
ST946

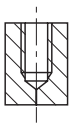


Antiusura



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	3xØ 	6HX	Acciai	1.3 / **1.4 - 1.5** / 1.6
				Inox	1.2
				Ghise	**1.2 - 1.3**
				Non Ferrosi	2.3 / 2.5

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
MF 8	1,0	90	13	6,0	4,9	7,0	374
MF 10	1,0	90	15	7,0	5,5	9,0	374
MF 10	1,25	100	15	7,0	5,5	8,75	374
MF 12	1,0	100	13	9,0	7,0	11,0	374
MF 12	1,25	100	13	9,0	7,0	10,75	374
MF 12	1,5	100	13	9,0	7,0	10,5	374
MF 14	1,5	100	15	11,0	9,0	12,5	374
MF 16	1,5	100	15	12,0	9,0	14,5	374
MF 18	1,5	110	17	14,0	11,0	16,5	374
MF 20	1,5	125	17	16,0	12,0	18,5	374
MF 22	1,5	125	18	18,0	14,5	20,5	374
MF 24	1,5	140	20	18,0	14,5	22,5	374

MF

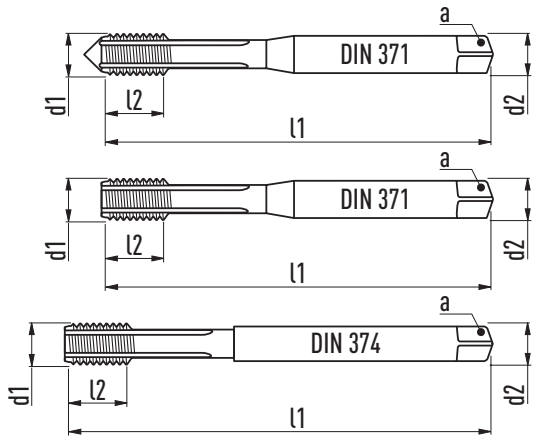
SM376N

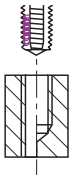
MASCHI A MACCHINA A RULLARE PER FORI CIECHI E PASSANTI PM3

In linea generale la rullatura è possibile su tutti i materiali con coefficiente di allungamento A5 ≥10%.

SM376N

TiN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 13 	C 2-3 filetti 	3xØ 	6HX	Acciai	**1.1 - 1.5**
				Inox	**1.1 - 1.2** / 1.3
				Non Ferrosi	1.3 - 1.4

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf* mm	DIN
MF 4 ▼	0,5	63	7	4,5	3,4	3,80	371
MF 5 ▼	0,5	70	8	6,0	4,9	4,80	371
MF 6	0,75	80	10	6,0	4,9	5,65	371
MF 8	1,0	90	13	8,0	6,2	7,55	371
MF 10	1,0	90	10	10,0	8,0	9,55	371
MF 10	1,25	100	15	10,0	8,0	9,40	371
MF 12	1,0	100	15	9,0	7,0	11,55	374
MF 12	1,25	100	15	9,0	7,0	11,45	374
MF 12	1,5	100	15	9,0	7,0	11,30	374
MF 14	1,25	100	15	11,0	9,0	13,45	374
MF 14	1,5	100	15	11,0	9,0	13,30	374
MF 16	1,5	100	15	12,0	9,0	15,30	374
MF 18	1,5	110	17	14,0	11,0	17,30	374
MF 20	1,5	125	17	16,0	12,0	19,30	374

d1	p	l1 mm	l2 mm	d2 mm	a mm	øf* mm	DIN
MF 22	1,5	125	18	18,0	14,5	21,30	374
MF 24	1,5	140	20	18,0	14,5	23,30	374

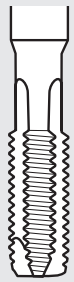
* i maschi a deformazione hanno un preforo diverso rispetto a quelli ad asportazione

G

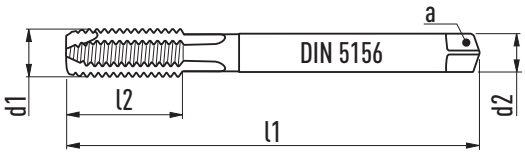
SD122

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

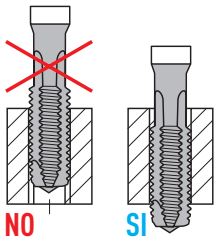
SD122

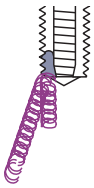
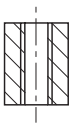


Lucido



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 228 	B 4-5 filetti 	3xØ 	ISO 228	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	18	7,0	5,5	8,8	5156
G 1/4	19	100	22	11,0	9,0	11,8	5156
G 3/8	19	100	22	12,0	9,0	15,25	5156
G 1/2	14	125	25	16,0	12,0	19,0	5156
G 3/4	14	140	28	20,0	16,0	24,5	5156
G 1"	11	160	30	25,0	20,0	30,75	5156

G

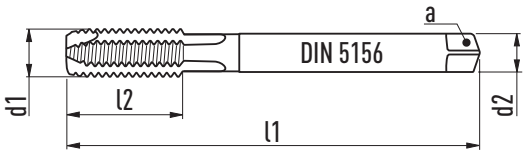
SD322U
UNIVERSALE

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

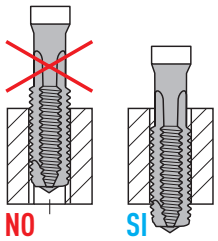
Progettato per un ampio spettro di applicazioni.

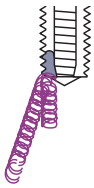
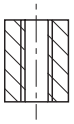
SD322U

TiN



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 228 	B 4-5 filetti 	3xØ 	ISO 228	Acciai	1.1 / **1.2 - 1.4** / 1.5
				Inox	**1.1 - 1.2**
				Ghise	1.1 - 1.3 / 2.1
				Non Ferrosi	1.2 - 1.4

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	18	7,0	5,5	8,8	5156
G 1/4	19	100	22	11,0	9,0	11,8	5156
G 3/8	19	100	22	12,0	9,0	15,25	5156
G 1/2	14	125	25	16,0	12,0	19,0	5156
G 3/4	14	140	28	20,0	16,0	24,5	5156
G 1"	11	160	30	25,0	20,0	30,75	5156

G

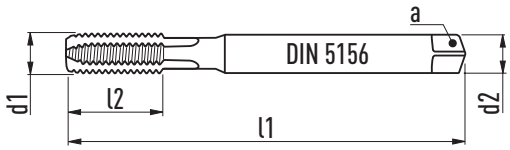
SD922
UNIVERSALE

MASCHI A MACCHINA PER FORI PASSANTI PM3

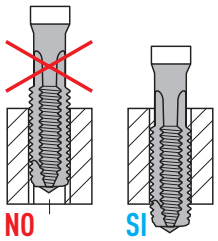
Progettato per un ampio spettro di applicazioni.

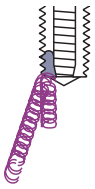
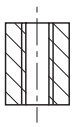
SD922

Antiusura



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza
Norma ISO DIN 228 	B 4-5 filetti 	3xØ 	ISO 228X

Applicazioni	
Acciai	1.3 / **1.4 - 1.5** / 1.6
Inox	1.2
Ghise	**1.2 - 1.3**
Non Ferrosi	2.5
Acciai da utensili	1.1

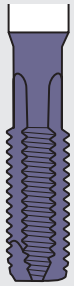
d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	15	7,0	5,5	8,8	5156
G 1/4	19	100	22	11,0	9,0	11,8	5156
G 3/8	19	100	22	12,0	9,0	15,25	5156
G 1/2	14	125	25	16,0	12,0	19,0	5156
G 3/4	14	140	25	20,0	16,0	24,5	5156

G

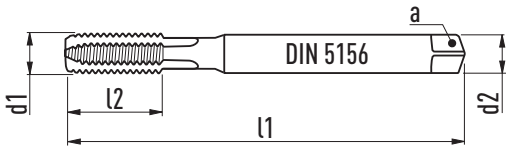
SG956
GHISA

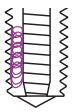
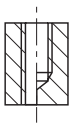
MASCHI A MACCHINA
PER FORI CIECHI E PASSANTI PM3

SG956



TiAlN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 228 	C 2-3 filetti 	3xØ 	ISO 228X	Ghise	**1.1 - 1.3 / 2.1** / 3.1
				Non Ferrosi	2.3 / 2.5

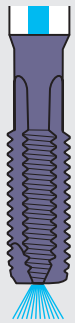
d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	15	7,0	5,5	8,8	5156
G 1/4	19	100	22	11,0	9,0	11,8	5156
G 3/8	19	100	22	12,0	9,0	15,25	5156
G 1/2	14	125	25	16,0	12,0	19,0	5156

G

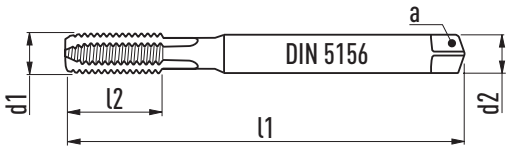
SG956K
GHISA

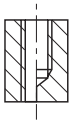
MASCHI A MACCHINA
PER FORI CIECHI E PASSANTI PM3

SG956K



TiAlN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 228	C 2-3 filetti	3,5xØ	ISO 228X	Ghise	**1.1 - 1.3 / 2.1** / 3.1
				Non Ferrosi	2.3 / 2.5

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	15	7,0	5,5	8,8	5156
G 1/4	19	100	22	11,0	9,0	11,8	5156
G 3/8	19	100	22	12,0	9,0	15,25	5156
G 1/2	14	125	25	16,0	12,0	19,0	5156

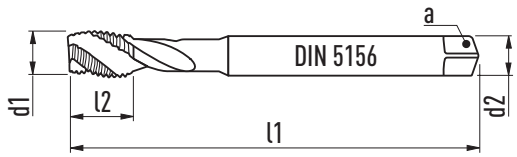
G

ST146

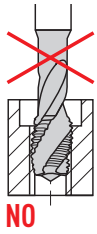
MASCHI A MACCHINA PER FORI CIECHI HSS-E

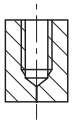
ST146

Lucido



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 228 	C 2-3 filetti 	2,5xØ 	ISO 228	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	18	7,0	5,5	8,8	5156
G 1/4	19	100	22	11,0	9,0	11,8	5156
G 3/8	19	100	22	12,0	9,0	15,25	5156
G 1/2	14	125	25	16,0	12,0	19,0	5156
G 3/4	14	140	28	20,0	16,0	24,5	5156
G 1"	11	160	30	25,0	20,0	30,75	5156

G

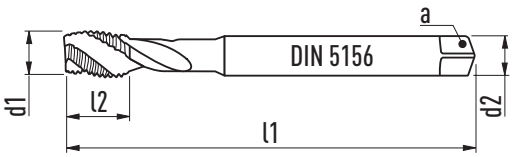
ST346U
UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI HSS-E

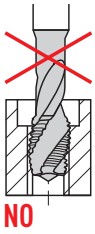
Progettato per un ampio spettro di applicazioni.

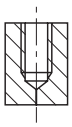
ST346U

TiN



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza
Norma ISO DIN 228 	C 2-3 filetti 	2,5xØ 	ISO 228

Applicazioni	
Acciai	**1.2 - 1.5**
Inox	1.1 - 1.2
Ghise	1.1 / **1.2** / 1.3 - 2.1
Non Ferrosi	**1.2** / 1.3 - 1.4 / **2.4**

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	18	7,0	5,5	8,8	5156
G 1/4	19	100	22	11,0	9,0	11,8	5156
G 3/8	19	100	22	12,0	9,0	15,25	5156
G 1/2	14	125	25	16,0	12,0	19,0	5156
G 3/4	14	140	28	20,0	16,0	24,5	5156
G 1"	11	160	30	25,0	20,0	30,75	5156

G

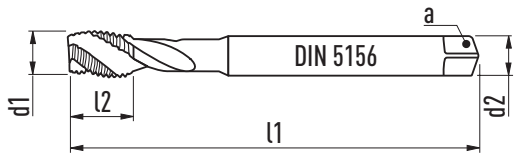
ST946
UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI PM3

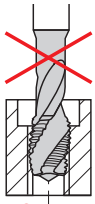
Progettato per un ampio spettro di applicazioni.

ST946

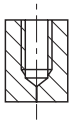
Antiusura



Evitare i fori incassati



NO

Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 228 	C 2-3 filetti 	3xØ 	ISO 228X	Acciai	1.3 / **1.4 - 1.5** / 1.6
				Inox	1.2
				Ghise	**1.2 - 1.3**
				Non Ferrosi	2.3 / 2.5

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
G 1/8	28	90	15	7,0	5,5	8,8	5156
G 1/4	19	100	15	11,0	9,0	11,8	5156
G 3/8	19	100	15	12,0	9,0	15,25	5156
G 1/2	14	125	18	16,0	12,0	19,0	5156
G 3/4	14	140	20	20,0	16,0	24,5	5156
G 1"	11	160	24	25,0	20,0	30,75	5156

G

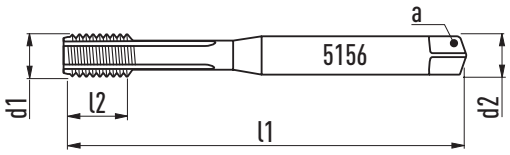
SM376N

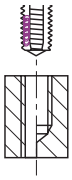
MASCHI A MACCHINA A RULLARE PER FORI CIECHI E PASSANTI HSS-E

In linea generale la rullatura è possibile su tutti i materiali con coefficiente di allungamento A5 ≥10%.

SM376N

TiN



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ISO DIN 228 	C 2-3 filetti 	3xØ 	ISO 228X	Acciai	**1.1 - 1.5**
				Inox	**1.1 - 1.2** / 1.3
				Non Ferrosi	1.3 - 1.4

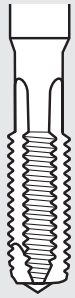
d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf* mm	DIN
G 1/8	28	90	10	7,0	5,5	9,25	5156
G 1/4	19	100	13	11,0	9,0	12,5	5156
G 3/8	19	100	13	12,0	9,0	16,0	5156
G 1/2	14	125	18	16,0	12,0	20,0	5156
G 3/4	14	140	18	20,0	16,0	25,5	5156
G 1"	11	160	23	25,0	20,0	32,0	5156

* i maschi a deformazione hanno un preforo diverso rispetto a quelli ad asportazione

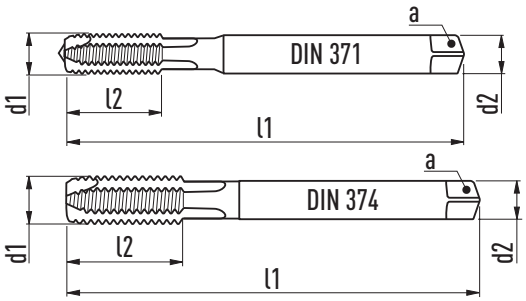
UNF SD122

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

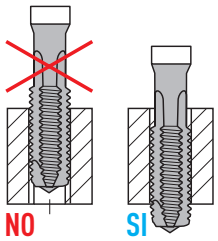
SD122

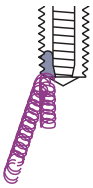
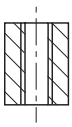


Lucido



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ASME B1.1 	B 4-5 filetti 	3xØ 	2B	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

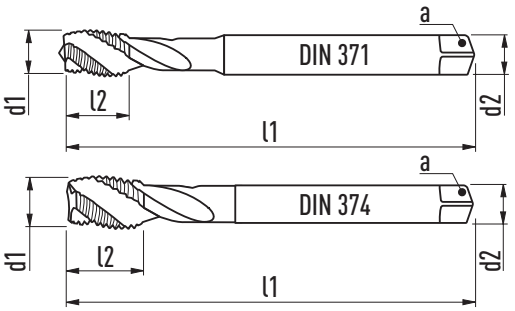
d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
UNF Nr. 10 - 32	32	70	15	6,0	4,9	4,1	~ 371
UNF 1/4 - 28	28	80	17	7,0	5,5	5,5	~ 371
UNF 5/16 - 24	24	90	17	8,0	6,2	6,9	~ 371
UNF 3/8 - 24	24	90	18	10,0	8,0	8,5	~ 371
UNF 7/16 - 20	20	100	22	8,0	6,2	9,9	~ 374
UNF 1/2 - 20	20	100	22	9,0	7,0	11,5	~ 374

UNF ST146

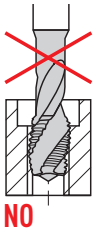
MASCHI A MACCHINA PER FORI CIECHI HSS-E

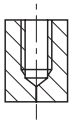
ST146

Lucido



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ASME B1.1 	C 2-3 filetti 	2,5xØ 	2B	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
UNF Nr. 10 - 32 ▼	32	70	15	6,0	4,9	4,1	~ 371
UNF 1/4 - 28 ▼	28	80	17	7,0	5,5	5,5	~ 371
UNF 5/16 - 24 ▼	24	90	17	8,0	6,2	6,9	~ 371
UNF 3/8 - 24 ▼	24	90	18	10,0	8,0	8,5	~ 371
UNF 7/16 - 20	20	100	22	8,0	6,2	9,9	~ 374
UNF 1/2 - 20	20	100	22	9,0	7,0	11,5	~ 374

UNF

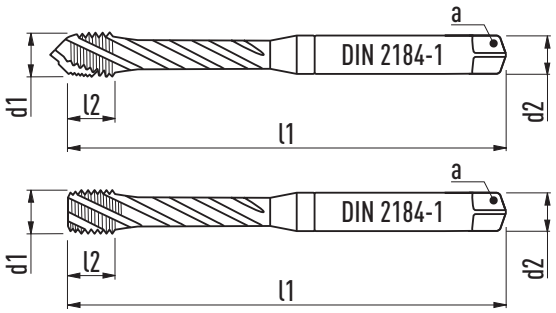
ST946
UNIVERSALE

MASCHI A MACCHINA PER FORI CIECHI PM3

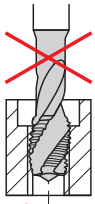
Progettato per un ampio spettro di applicazioni.

ST946

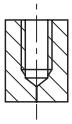
Antiusura



Evitare i fori incassati



NO

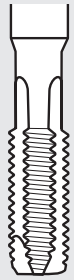
Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ASME B1.1	C 2-3 filetti	3xØ	2BX	Acciai	1.3 / **1.4 - 1.5** / 1.6
				Inox	1.2
				Ghise	**1.2 - 1.3**
				Non Ferrosi	2.3 / 2.5

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
UNF Nr. 4 - 48 ▼	48	56	5	3,5	2,7	2,4	2184 - 1
UNF Nr. 6 - 40 ▼	40	56	7	4,0	3,0	2,95	2184 - 1
UNF Nr. 8 - 36 ▼	36	63	7	4,5	3,4	3,5	2184 - 1
UNF Nr. 10 - 32 ▼	32	70	8	6,0	4,9	4,1	2184 - 1
UNF 1/4 - 28 ▼	28	80	10	7,0	5,5	5,5	2184 - 1
UNF 3/8 - 24	24	90	15	7,0	5,5	8,5	2184 - 1
UNF 1/2 - 20	20	100	13	9,0	7,0	11,5	2184 - 1
UNF 3/4 - 16	16	110	17	14,0	11,0	17,5	2184 - 1
UNF 1" - 12	12	140	22	18,0	14,5	23,25	2184 - 1

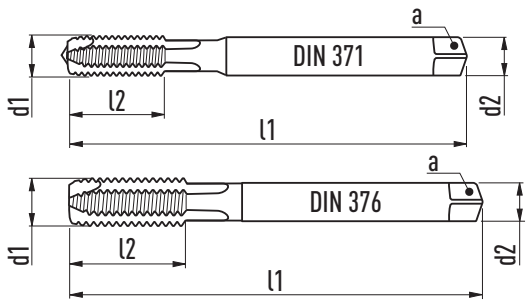
UNC SD122

MASCHI A MACCHINA PER FORI PASSANTI HSS-E

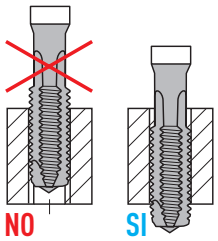
SD122

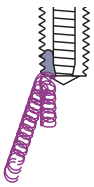
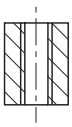


Lucido



L'imbocco deve sempre uscire dal foro



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ASME B1.1 	B 4-5 filetti 	3xØ 	2B	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2

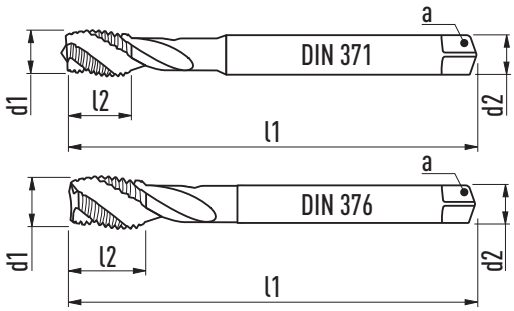
d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
UNC Nr. 4 - 40	40	56	11	3,5	2,7	2,35	~ 371
UNC Nr. 6 - 32	32	56	12	4,0	3,0	2,85	~ 371
UNC Nr. 8 - 32	32	63	13	4,5	3,4	3,5	~ 371
UNC Nr. 10 - 24	24	70	15	6,0	4,9	3,9	~ 371
UNC 1/4 - 20	20	80	17	7,0	5,5	5,1	~ 371
UNC 5/16 - 18	18	90	20	8,0	6,2	6,6	~ 371
UNC 3/8 - 16	16	100	22	10,0	8,0	8,0	~ 371
UNC 7/16 - 14	14	100	22	8,0	6,2	9,4	~ 376
UNC 1/2 - 13	13	110	25	9,0	7,0	10,8	~ 376
UNC 5/8 - 11	11	110	27	12,0	9,0	13,5	~ 376
UNC 3/4 - 10	10	125	30	14,0	11,0	16,5	~ 376

UNC ST146

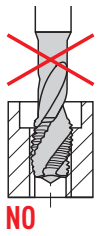
MASCHI A MACCHINA PER FORI CIECHI HSS-E

ST146

Lucido

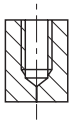


Evitare i fori incassati



NO

Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ASME B1.1	C 2-3 filetti	2,5xØ	2B	Acciai	**1.2 - 1.3**
				Non Ferrosi	2.2



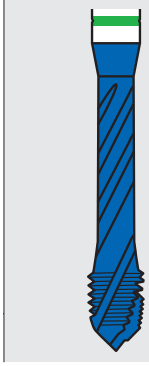
d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
UNC Nr. 4 - 40	40	56	11	3,5	2,7	2,35	~ 371
UNC Nr. 6 - 32	32	56	12	4,0	3,0	2,85	~ 371
UNC Nr. 8 - 32	32	63	13	4,5	3,4	3,5	~ 371
UNC Nr. 10 - 24	24	70	15	6,0	4,9	3,9	~ 371
UNC 1/4 - 20	20	80	17	7,0	5,5	5,1	~ 371
UNC 5/16 - 18	18	90	20	8,0	6,2	6,6	~ 371
UNC 3/8 - 16	16	100	22	10,0	8,0	8,0	~ 371
UNC 7/16 - 14	14	100	22	8,0	6,2	9,4	~ 376
UNC 1/2 - 13	13	110	25	9,0	7,0	10,8	~ 376
UNC 5/8 - 11	11	110	27	12,0	9,0	13,5	~ 376
UNC 3/4 - 10	10	125	30	14,0	11,0	16,5	~ 376

UNC ST946 UNIVERSALE

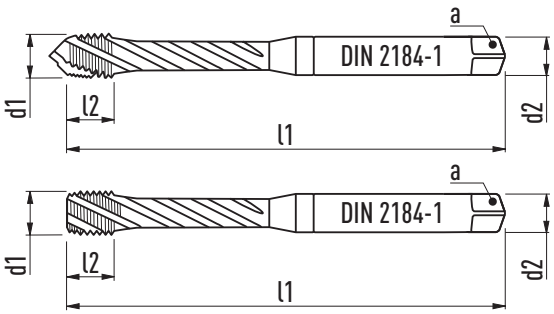
MASCHI A MACCHINA PER FORI CIECHI PM3

Progettato per un ampio spettro di applicazioni.

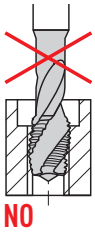
ST946

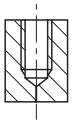


Antiusura



Evitare i fori incassati



Profilo	Imbocco	Tipo di foro	Tolleranza	Applicazioni	
Norma ASME B1.1 	C 2-3 filetti 	3xØ 	2BX	Acciai	1.3 / **1.4 - 1.5** / 1.6
				Inox	1.2
				Ghise	**1.2 - 1.3**
				Non Ferrosi	2.3 / 2.5

d1	p/1"	l1 mm	l2 mm	d2 mm	a mm	øf mm	DIN
UNC Nr. 4 - 40 ▼	40	56	5	3,5	2,7	2,35	2184 - 1
UNC Nr. 6 - 32 ▼	32	56	7	4,0	3,0	2,85	2184 - 1
UNC Nr. 8 - 32 ▼	32	63	7	4,5	3,4	3,5	2184 - 1
UNC Nr. 10 - 24 ▼	24	70	8	6,0	4,9	3,9	2184 - 1
UNC 1/4 - 20 ▼	20	80	10	7,0	5,5	5,1	2184 - 1
UNC 5/16 - 18	18	90	13	8,0	6,2	6,1	2184 - 1
UNC 3/8 - 16	16	100	15	10,0	8,0	8,0	2184 - 1
UNC 7/16 - 14	14	100	15	8,0	6,2	9,4	2184 - 1
UNC 1/2 - 13	13	110	18	9,0	7,0	10,8	2184 - 1
UNC 5/8 - 11	11	110	20	12,0	9,0	13,5	2184 - 1
UNC 3/4 - 10	10	125	25	14,0	11,0	16,5	2184 - 1
UNC 7/8 - 9	9	140	25	18,0	14,5	19,5	2184 - 1
UNC 1" - 8	8	160	30	18,0	14,5	22,25	2184 - 1

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