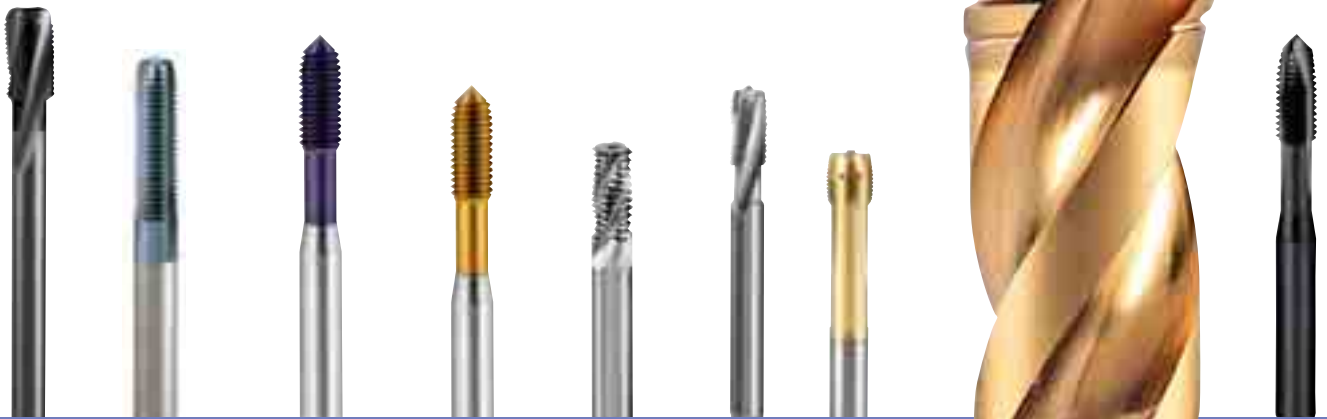


Maschi Evoluti

High Performance Taps



Maschi Evoluti





High Performance Taps









► **Legenda**

Key to symbols


MATERIALI / TOOL MATERIAL

 HSS-Co	 HSS-Co-8	 HSS	 K 20 Metallo duro / Micrograna Solid carbide / Micro grain
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RIVESTIMENTI / COATING

 Lucida Blank	 TN TiN	 TF TiAlN Futura	 TC TiCN	 HL Hard Lube
 XB TiCN Top				

TRATTAMENTI / SURFACE TREATMENT

 Nitrurato Nitrided

► **Guida alla selezione utensile**
Tool selection guide



MASCHI A MACCHINA / MACHINE TAPS

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
6773	M	3 ÷ 10	371		6HX	0°	B
6774	M	3 ÷ 10	371		6HX	50°	C
6778	M	12 ÷ 20	376		6HX	0°	B
6779	M	12 ÷ 20	376		6HX	50°	C
6984 NEW	MF	8 ÷ 20	374		6HX	0°	B
6985 NEW	MF	8 ÷ 20	374		6HX	50°	C
6986 NEW	UNC	nr. 6 ÷ 3/8	2184/1		2BX	0°	B
6987 NEW	UNC	nr. 6 ÷ 3/8	2184/1		2BX	50°	C
6988 NEW	UNF	6 ÷ 3/8	2184/1		2BX	0°	B
6989 NEW	UNF	6 ÷ 3/8	2184/1		2BX	50°	C

Multi Rapid HD - Multi HD

6750	M	3 ÷ 10	371		6H	0°	B
6755	M	3 ÷ 10	371		6H	40°	C
6751	M	12 ÷ 20	376		6H	0°	B
6756	M	12 ÷ 20	376		6H	40°	C
6752	MF	8 ÷ 20	374		6H	0°	B
6757	MF	8 ÷ 20	374		6H	40°	C

































MASCHI A MACCHINA / MACHINE TAPS

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
TC	-		HSS-Co-PM	●	●	-	○	○	-	313
TC	-		HSS-Co-PM	●	●	-	○	○	-	313
TC	-		HSS-Co-PM	●	●	-	○	○	-	314
TC	-		HSS-Co-PM	●	●	-	○	○	-	314
TC	-		HSS-Co-PM	●	●	-	○	○	-	315
TC	-		HSS-Co-PM	●	●	-	○	○	-	315
TC	-		HSS-Co-PM	●	●	-	○	○	-	316
TC	-		HSS-Co-PM	●	●	-	○	○	-	316
TC	-		HSS-Co-PM	●	●	-	○	○	-	317
TC	-		HSS-Co-PM	●	●	-	○	○	-	317
TN	-		HSS-Co-PM	●	○	●	-	-	-	319
TN	-		HSS-Co-PM	●	○	●	-	-	-	319
TN	-		HSS-Co-PM	●	○	●	-	-	-	320
TN	-		HSS-Co-PM	●	○	●	-	-	-	320
TN	-		HSS-Co-PM	●	○	●	-	-	-	321
TN	-		HSS-Co-PM	●	○	●	-	-	-	321



MASCHI A MACCHINA CON FORI DI LUBRIFICAZIONE INTERNA

MACHINE TAPS WITH AXIAL INTERNAL COOLING

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
Multi Rapid HD - Multi HD							
6993 NEW	UNC	nr. 6 ÷ 3/8	2184/1		2B	0°	B
							
6994 NEW	UNC	nr. 6 ÷ 3/8	2184/1		2B	40°	C
							
6995 NEW	UNF	nr. 6 ÷ 3/8	2184/1		2B	0°	B
							
6996 NEW	UNF	nr. 6 ÷ 3/8	2184/1		2B	40°	C
							
Multi Rapid HD i - Multi HD i							
6753	M	6 ÷ 10	371		6H	0°	B
							
6772	M	6 ÷ 10	371		6H	40°	C
							
6758	M	12 ÷ 20	376		6H	0°	B
							
6777	M	12 ÷ 20	376		6H	40°	C
							
Sincro Ilix i							
6975	M	5 ÷ 10	371		6HX	0°	B
							
6971	M	5 ÷ 10	371		6HX	15°	C
							
6973	M	5 ÷ 10	371		6HX	40°	C
							
6972	M	12 ÷ 20	376		6HX	15°	C
							
6974	M	12 ÷ 20	376		6HX	40°	C
							
6978	MF	8 ÷ 20	374		6HX	0°	B
							
6977	MF	8 ÷ 20	374		6HX	40°	C
							



MASCHI A MACCHINA CON FORI DI LUBRIFICAZIONE INTERNA MACHINE TAPS WITH AXIAL INTERNAL COOLING










RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
TN	-		HSS-Co-PM	●	○	●	-	-	-	322
TN	-		HSS-Co-PM	●	○	●	-	-	-	322
TN	-		HSS-Co-PM	●	○	●	-	-	-	323
TN	-		HSS-Co-PM	●	○	●	-	-	-	323
TC TN			HSS-Co-PM	●	●	●	-	-	-	325
TC TN			HSS-Co-PM	●	●	●	-	-	-	326
TC TN			HSS-Co-PM	●	●	●	-	-	-	327
TC TN			HSS-Co-PM	●	●	●	-	-	-	328
TN			HSS-Co-PM	●	○	●	●	○	-	330
TN			HSS-Co-PM	●	○	●	●	○	-	330
TN			HSS-Co-PM	●	○	●	●	○	-	330
TN			HSS-Co-PM	●	○	●	●	○	-	331
TN			HSS-Co-PM	●	○	●	●	○	-	331
TN			HSS-Co-PM	●	○	●	●	○	-	332
TN			HSS-Co-PM	●	○	●	●	○	-	332





MASCHI A MACCHINA / MACHINE TAPS

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
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Multi GG

6964 	M	3 ÷ 10	371	 	6HX	0°	C
6965 	M	12 ÷ 30	376	 	6HX	0°	C
6966 	MF	8 ÷ 30	374	 	6HX	0°	C



Multi GG i ■ Maschi a macchina con fori di lubrificazione Radiali / Machine taps with

6967 	M	6 ÷ 10	371	 	6HX	0°	C
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T-Black ■ Rastremati TiCN TOP / Back tapered TiCN TOP

6668 	M	4 ÷ 10	371		6H	40°	C
6669 	M	12 ÷ 24	376		6H	40°	C
6830 	MF	6 ÷ 20	374		6H	40°	C
6831 	UNC	nr. 6 ÷ 3/8	2184/1		2B	40°	C
6832 	UNC	7/16 ÷ 2	2184/1		2B	40°	C
6833 	UNF	nr. 6 ÷ 3/8	2184/1		2B	40°	C
6834 	UNF	7/16 ÷ 1	2184/1		2B	40°	C
6835 	BSP-G	1/16 ÷ 1	5156		-	40°	C

VR i 15° ■ Con fori di lubrificazioni interna / Internal Coolant

6601 	M	6 ÷ 10	371		6HX	15°	C
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MASCHI A MACCHINA / MACHINE TAPS

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
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-	-		HSS-Co-PM	-	-	●	○	-	-	334
-	-		HSS-Co-PM	-	-	●	○	-	-	335
-	-		HSS-Co-PM	-	-	●	○	-	-	336

radial coolant

HL			HSS-Co-PM	-	-	●	○	-	-	338
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XB	-		HSS-Co-PM	●	●	●	●	○	-	340
XB	-		HSS-Co-PM	●	●	●	●	○	-	341
XB	-		HSS-Co-PM	●	●	●	●	○	-	342
XB	-		HSS-Co-PM	●	●	●	●	○	-	343
XB	-		HSS-Co-PM	●	●	●	●	○	-	344
XB	-		HSS-Co-PM	●	●	●	●	○	-	345
XB	-		HSS-Co-PM	●	●	●	●	○	-	346
XB	-		HSS-Co-PM	●	●	●	●	○	-	347

TN			HSS-Co-PM	●	●	●	●	○	-	348
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MASCHI A MACCHINA / MACHINE TAPS

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
Ti							
6683 	M	3 ÷ 10	371		6HX	0°	B
6684 	M	3 ÷ 10	371		6HX	15°	C
6825 	M	12 ÷ 20	376		6HX	0°	B
6826 	M	12 ÷ 20	376		6HX	15°	C
6828 	MF	8 ÷ 20	374		6HX	0°	B
6829 	MF	8 ÷ 20	374		6HX	15°	C
Ni							
6892 	M	2 ÷ 10	371		6HX	0°	B
6894 	M	3 ÷ 10	371		6HX	10°	C
6895 	M	2 ÷ 10	371		6HX	22°	C
6893 	M	12 ÷ 20	376		6HX	0°	B
6948 NEW 	M	12	376		6HX	10°	C
6896 	M	12 ÷ 20	376		6HX	22°	C
6906 	MJ	3 ÷ 10	371		4HX	10°	C
6869 	UNC	nr. 2 ÷ 3/8	2184/1		2BX	0°	B
6990 NEW 	UNC	nr. 4 ÷ 3/8	2184/1		2BX	10°	C
6900 	UNC	nr. 6 ÷ 3/8	2184/1		2BX	22°	C



MASCHI A MACCHINA / MACHINE TAPS

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
-	-		HSS-Co-PM	○	-	-	-	●	-	350
-	-		HSS-Co-PM	○	-	-	-	●	-	351
-	-		HSS-Co-PM	○	-	-	-	●	-	352
-	-		HSS-Co-PM	○	-	-	-	●	-	353
-	-		HSS-Co-PM	○	-	-	-	●	-	354
-	-		HSS-Co-PM	○	-	-	-	●	-	355
-	-		HSS-Co-PM	○	-	-	-	●	-	357
-	-		HSS-Co-PM	○	-	-	-	●	-	358
-	-		HSS-Co-PM	○	-	-	-	●	-	359
-	-		HSS-Co-PM	○	-	-	-	●	-	360
-	-		HSS-Co-PM	○	-	-	-	●	-	361
-	-		HSS-Co-PM	○	-	-	-	●	-	362
-	-		HSS-Co-PM	○	-	-	-	●	-	363
-	-		HSS-Co-PM	○	-	-	-	●	-	364
-	-		HSS-Co-PM	○	-	-	-	●	-	365
-	-		HSS-Co-PM	○	-	-	-	●	-	366



CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
6897	UNC	1/2 ÷ 3/4	2184/1		2BX	0°	B
6997 NEW	UNC	7/16 ÷ 5/8	2184/1		2BX	10°	C
6998 NEW	UNJC	nr. 6 ÷ 3/8	2184/1		3BX	10°	C
6844	UNF	nr. 2 ÷ 3/8	2184/1		2BX	0°	B
6928 NEW	UNF	nr. 6 ÷ 3/8	2184/1		2BX	10°	C
6846	UNF	nr. 10 ÷ 3/8	2184/1		2BX	22°	C
6845	UNF	7/16 ÷ 3/4	2184/1		2BX	0°	B
6929 NEW	UNF	7/16 ÷ 5/8	2184/1		2BX	10°	C
6907	UNJF	nr. 6 ÷ 3/8	2184/1		3BX	10°	C

Multi TP

6770	M	4 ÷ 12	371		6HX	0°	C
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HSS-Co-PM

MASCHI A RULLARE / COLD FORMING TAPS

Former PM

6800	M	3 ÷ 10	371		6HX	-	C
6801	M	6 ÷ 10	371		6HX	-	C
6969	M	5 ÷ 10	371		6HX	-	C



RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
-	-		HSS-Co-PM	○	-	-	-	●	-	367
-	-		HSS-Co-PM	○	-	-	-	●	-	368
-	-		HSS-Co-PM	○	-	-	-	●	-	369
-	-		HSS-Co-PM	○	-	-	-	●	-	370
-	-		HSS-Co-PM	○	-	-	-	●	-	371
-	-		HSS-Co-PM	○	-	-	-	●	-	372
-	-		HSS-Co-PM	○	-	-	-	●	-	373
-	-		HSS-Co-PM	○	-	-	-	●	-	374
-	-		HSS-Co-PM	○	-	-	-	●	-	375
TC	-		K10-K20	-	-	○	-	-	●	377

HSS-Co-PM MASCHI A RULLARE / COLD FORMING TAPS

TF	-		HSS-Co-PM	●	●	-	●	-	-	379
TN			HSS-Co-PM	●	●	-	●	-	-	380
TN			HSS-Co-PM	●	●	-	●	-	-	381



MASCHI A MACCHINA / MACHINE TAPS

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
Former ■ Maschi a rullare / Cold forming taps							
6788 	M	4 ÷ 10	371	 	6HX	-	C
N ■ Taglienti dritti / Straight flutes							
6771 	M	3 ÷ 10	371*	 	6HX	0°	C
6792 	M	12	376*	 	6HX	0°	C
N ■ 15° Elicoidale / 15° Spiral flutes							
6736 	M	3 ÷ 10	371*		6HX	15°	C
6759 	M	12	376*		6HX	15°	C
6714 	M	12	376*		6HX	15°	C
GG i ■ Taglienti dritti e lubrificazione assiale / Straight flutes with axial internal coolant							
6760 	M	5 ÷ 10	371*	 	6HX	0°	C
6763 	M	12	376*	 	6HX	0°	C
6766 	M	8 ÷ 10	374*	 	6HX	0°	C
6768 	M	12	374*	 	6HX	0°	C
N i ■ 15° Elicoidale con lubrificazione assiale / 15° Spiral flutes with axial internal coolant							
6762 	M	5 ÷ 10	371*		6HX	15°	C
6765 	M	12	376*		6HX	15°	C
6767 	M	8 ÷ 10	374*		6HX	15°	C
6769 	M	12	374*		6HX	15°	C



MASCHI A MACCHINA / MACHINE TAPS

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
-	-		K 20	●	●	-	●	-	-	382
-	-		K 20	-	-	●	●	-	-	384
-	-		K 20	-	-	●	●	-	-	385
-	-		K 20	-	-	●	-	-	-	384
-	-		K 20	-	-	●	-	-	-	385
-	-		K 20	-	-	●	-	-	-	385
-			K 20	-	-	●	●	-	-	386
-			K 20	-	-	●	●	-	-	387
-			K 20	-	-	●	●	-	-	388
-			K 20	-	-	●	●	-	-	389
-			K 20	-	-	●	●	-	-	386
-			K 20	-	-	●	●	-	-	387
-			K 20	-	-	●	●	-	-	388
-			K 20	-	-	●	●	-	-	389



FRESE A FILETTARE / THREAD MILLING

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
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TP ■ Per temprato / Hardened steels 54 - 63 HRC

7015 	M	4 ÷ 12	-		4H-6H 6G-7G	0°	-
7016 	M	4 ÷ 12	-		4H-6H 6G-7G	0°	-

Micro ■ Frese a filettare a singolo anello di taglienti / thread milling cutters with single

7081 	M	1 ÷ 3,5	-		4H-6H 6G-7G	0°	-
7082 	M	1 ÷ 3,5	-		4H-6H 6G-7G	0°	-
7083 NEW 	M	1,2 ÷ 6	-		4H-6H 6G-7G	0°	-

Multi TM 27° ■ Frese a filettare con lubrificazione interna / Thread milling with

7000 	M	2 ÷ 10	-		6H 6G-7G	27°	-
7001 	M	6 ÷ 20	-		4H-6H 6G-7G	27°	-
7013 NEW 	MJ	4 ÷ 12	-		4H	27°	-
7002 	MF	4 ÷ 10	-		6H-6G	27°	-
7003 	MF	6 ÷ 12	-		6H-6G	27°	-
7007 	UNC	1/4 ÷ 1/2	-		2B-3B	27°	-
7009 	UNF	1/4 ÷ 1/2	-		2B-3B	27°	-
7014 NEW 	UNJF	10 ÷ 1/2	-		3B	27°	-
7005 	BSP/G	1/8 ÷ 3/8	-		-	27°	-
7010 	NPT	1/8 ÷ 1/2	-		-	27°	-
7012 	NPTF	1/8 ÷ 1/2	-		-	27°	-



FRESE A FILETTARE / THREAD MILLING

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
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TF	-		K 20	●	-	-	-	-	●	391
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TF	-		K 20	●	-	-	-	-	●	392
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ring of theeth

TC	-		K 20	●	●	-	-	-	●	393
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TC	-		K 20	●	●	-	-	-	●	394
----	---	--	------	---	---	---	---	---	---	-----

TC	-		K 20	●	●	-	-	-	●	395
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internal coolant

-			K 20	●	●	●	●	●	●	396
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TF			K 20	●	●	●	●	●	●	397
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TF			K 20	●	●	●	●	●	●	398
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TF			K 20	●	●	●	●	●	●	399
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TF			K 20	●	●	●	●	●	●	400
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TF			K 20	●	●	●	●	●	●	401
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TF			K 20	●	●	●	●	●	●	402
----	--	--	------	---	---	---	---	---	---	-----

TF			K 20	●	●	●	●	●	●	403
----	--	--	------	---	---	---	---	---	---	-----

TF			K 20	●	●	●	●	●	●	404
----	--	--	------	---	---	---	---	---	---	-----

TF			K 20	●	●	●	●	●	●	405
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TF			K 20	●	●	●	●	●	●	406
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FRESE A FILETTARE / THREAD MILLING

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
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Multi TM 15° ■ Frese a filettare con lubrificazione interna / Thread milling with

7020 	M	M 8 ÷ M 20	-	 	4H-6H 6G-7G	15°	-
7027 	UN	1/2 ÷ 1	-	 	2B-3B	15°	-
7024 	BPS/G	1/4 ÷ 2"	-	 	-	15°	-
7030 	NPT	1/2 ÷ 2"	-	 	-	15°	-
7032 	NPTF	1/2 ÷ 2"	-	 	-	15°	-

Multi TM ■ Frese a filettare con lubrificazione interna / Thread milling with

6930 	M	16 ÷ 20	-	 	-	0°	-
6931 	M	12 ÷ 20	-	 	-	0°	-
6932 	G	1/2	-	 	-	0°	-

Multi CTM ■ Frese a filettare e svasare con lubrificazione interna / Thread milling and

7040 	M	2 ÷ 20	-	 	4H-6H 6G-7G	27°	-
7041 	M	2 ÷ 20	-	 	4H-6H 6G-7G	27°	-
7042 	MF	4 ÷ 16	-	 	6H-6G	27°	-
7043 	MF	4 ÷ 10	-	 	6H-6G	27°	-
7046 	UNC	nr. 8 ÷ 5/8	-	 	2B-3B	27°	-
7048 	UNF	nr. 10 ÷ 5/8	-	 	2B-3B	27°	-
7044 	BSP/G	1/8 ÷ 3/8	-	 	-	27°	-
7050 	NPT	1/8 ÷ 3/8	-	 	-	27°	-



FRESE A FILETTARE / THREAD MILLING

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
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internal coolant

TF			K 20	●	●	●	●	●	●	407
TF			K 20	●	●	●	●	●	●	408
TF			K 20	●	●	●	●	●	●	409
TF			K 20	●	●	●	●	●	●	410
TF			K 20	●	●	●	●	●	●	411

internal coolant

TF			K 20	●	●	●	●	●	●	412
TF			K 20	●	●	●	●	●	●	413
TF			K 20	●	●	●	●	●	●	414

countersinking with internal coolant

TF			K 20	●	●	●	●	●	●	415
TF			K 20	●	●	●	●	●	●	416
TF			K 20	●	●	●	●	●	●	417
TF			K 20	●	●	●	●	●	●	418
TF			K 20	●	●	●	●	●	●	419
TF			K 20	●	●	●	●	●	●	420
TF			K 20	●	●	●	●	●	●	421
TF			K 20	●	●	●	●	●	●	422



FRESE A FILETTARE / THREAD MILLING

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
7052 	NPTF	1/8 ÷ 3/8	-	 	-	27°	-
6933 	M	5 ÷ 16	-	 	-	27°	-
6935 	M	5 ÷ 16	-	 	-	27°	-
6934 	MF	6 ÷ 16	-	 	-	27°	-
6936 	MF	6 ÷ 16	-	 	-	27°	-
Multi DTM ■ 2 taglienti - Frese a forare, filettare e svasare con lubrificazione interna /							
6940 	M	3 ÷ 16	-	 	4H-6H 6G	-	-
6942 	M	3 ÷ 16	-	 	4H-6H 6G	-	-
6947 	M	6 ÷ 16	-	 	4H-6H 6G	-	-
6944 	MF	5 ÷ 16	-	 	6H-6G	-	-
6946 	MF	5 ÷ 16	-	 	6H-6G	-	-
6943 	MF	8 ÷ 16	-	 	6H-6G	-	-
7068 	UNC	10 ÷ 5/8	-	 	2B-3B	-	-
7070 	UNC	10 ÷ 5/8	-	 	2B-3B	-	-
7064 	UNF	10 ÷ 5/8	-	 	2B-3B	-	-
7066 	UNF	10 ÷ 5/8	-	 	2B-3B	-	-
7060 	BSP/G	1/8 ÷ 3/8	-	 	-	-	-
7062 	BSP/G	1/8 ÷ 3/8	-	 	-	-	-



FRESE A FILETTARE / THREAD MILLING

RIVESTIMENTO
COATING

LUBRIFICAZIONE
INTERNA
INTERNAL COOLANT

DIREZIONE
DI TAGLIO
CUTTING DIRECT.

MATERIALE
UTENSILE
TOOL MATERIAL

P

M

K

N

S

H

Pagina
Page

countersinking with internal coolant

























Coating	Internal Coolant	Cutting Direct.	Tool Material	P	M	K	N	S	H	Page
TF			K 20	●	●	●	●	●	●	423
TF			K 20	●	●	●	●	●	●	424
TF			K 20	●	●	●	●	●	●	425
TF			K 20	●	●	●	●	●	●	426
TF			K 20	●	●	●	●	●	●	427

2 flutes - Thread milling and countersinking with internal coolant









TF			K 20	-	-	○	●	-	-	428
TF			K 20	-	-	○	●	-	-	429
TF			K 20	-	-	○	●	-	-	430
TF			K 20	-	-	○	●	-	-	431
TF			K 20	-	-	○	●	-	-	432
TF			K 20	-	-	○	●	-	-	433
TF			K 20	-	-	○	●	-	-	434
TF			K 20	-	-	○	●	-	-	435
TF			K 20	-	-	○	●	-	-	436
TF			K 20	-	-	○	●	-	-	437
TF			K 20	-	-	○	●	-	-	438
TF			K 20	-	-	○	●	-	-	439



FRESE A FILETTARE / THREAD MILLING

CODICE ITEM	SIMBOLO SYMBOL	Ø mm	DIN	FORI CIECHI/ FORI PASSANTI Blind hole/ Through hole	TOLLERANZA TOLERANCE	ANGOLO ELICA HELIX ANGLE	FORMA IMBOCCO CHAMFER FORM
7071 	M	6 ÷ 16	-	 	4H-6H 6G	-	-
7073 	M	3 ÷ 16	-	 	4H-6H 6G	-	-
7075 	M	3 ÷ 16	-	 	4H-6H 6G	-	-
7077 	M	6 ÷ 16	-	 	4H-6H 6G	-	-
7072 	MF	10 ÷ 14	-	 	4H-6H 6G	-	-
7074 	MF	6 ÷ 16	-	 	6H-6G	-	-
7076 	MF	8 ÷ 16	-	 	6H-6G	-	-
7078 	MF	8 ÷ 16	-	 	6H-6G	-	-

Multi TMI CORPI/INSERTI ■ Corpi in acciaio per inserti a filettare / Steel body

6960 	M-MF BSP-UN	16 25	-	-	A B	1 2	0°
6961 	M-MF BSP-UN	16 20 25	-	-	A A B	1 1 2	0°
6963 	M-MF BSP-UN	22 27	-	-	A B	1 2	0°
6962 	M-MF BSP-UN	25	-	-	A	1	0°
6950 	M-MF	-	0,50 - 3,50	6H-6G 7G	-	-	-
6956 	M-MF	-	1,0 - 4,0	6H-6G 7G	-	-	-
6954 	UN	-	12 - 16	2B-3B	-	-	-
6952 	BSF BSP/G	-	11 - 14	-	-	-	-



FRESE A FILETTARE / THREAD MILLING

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	Pagina Page
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3 flutes - Thread milling and countersinking with internal coolant

TF			K 20	-	-	○	●	-	-	440
TF			K 20	-	-	○	●	-	-	441
TF			K 20	-	-	○	●	-	-	442
TF			K 20	-	-	○	●	-	-	443
TF			K 20	-	-	○	●	-	-	444
TF			K 20	-	-	○	●	-	-	445
TF			K 20	-	-	○	●	-	-	446
TF			K 20	-	-	○	●	-	-	447

for thread inserts ■ **Inserti in MDI / Solid carbide inserts**

-		-	-	-	-	-	-	-	-	448
-		-	-	-	-	-	-	-	-	448
-		-	-	-	-	-	-	-	-	448
-		-	-	-	-	-	-	-	-	448
TN	-	-	○	○	●	●	○	-	-	449
TN	-	-	○	○	●	●	○	-	-	450
TN	-	-	○	○	●	●	○	-	-	451
TN	-	-	○	○	●	●	○	-	-	452



FRESE A FILETTARE / THREAD MILLING

CODICE ITEM	SIMBOLO SYMBOL	\emptyset mm	PASSO PITCH	TOLLERANZA TOLERANCE	TIPO TYPE	TAGLIENTI CUTTING EDGE	ANGOLO ELICA HELIX ANGLE
Multi TMI CORPI/INSERTI ■ Corpi in acciaio per inserti a filettare / Steel body							
6958 	BSF BSP/G	-	11 - 14	-	-	-	-
Multi TMI EVOLUTION CORPI/INSERTI ■ Corpi in acciaio per inserti a							
6981 NEW 	M-MF	26	-	-	-	3	0°
6982 NEW 	M-MF	33	-	-	-	3	0°
6983 NEW 	M-MF	41	-	-	-	4	0°
6953 NEW 	M-MF	-	1,0 - 4,0	6H-6G 7G	-	-	-
6955 NEW 	M-MF	-	1,0 - 5,0	6H-6G 7G	-	-	-
6957 NEW 	M-MF	-	2,0 - 6,0	6H-6G 7G	-	-	-



FRESE A FILETTARE / THREAD MILLING

RIVESTIMENTO
COATING

LUBRIFICAZIONE
INTERNA
INTERNAL COOLANT

MATERIALE
UTENSILE
TOOL MATERIAL

P

M

K

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H

Pagina
Page

for thread inserts ■ **Inserti in MDI / Solid carbide inserts**

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453

filettare / Steel body for thread inserts ■ **Inserti in MDI / Solid carbide inserts**

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Multi Rapid VA & Multi VA

I maschi in HSS Co-PM della serie Multi Rapid VA e Multi VA sono progettati per garantire maggiore stabilità di taglio su acciai inossidabili.

Le nuove geometrie sviluppate garantiscono un ottimo controllo del truciolo.

Multi Rapid VA and Multi VA HSS Co-PM taps offer better stability and reliability on stainless steel material.

New geometries ensure better chip control.



IMBOCCO FORMA B PER FORI PASSANTI E FORMA C PER FORI CIECHI
Form-B chamfer for through hole and Form-C chamfer for blind hole tapping

SPOGLIA DI TAGLIO SPECIFICA PER MATERIALI CON ALTO CONTENUTO DI CROMO
Rake angle specifically designed for high Chrome materials

**ANGOLO D'ELICA A 0° E 50° PER RIDURRE FORZE E TEMPERATURE DI TAGLIO E
GARANTIRE UNA RAPIDA ED EFFICACE EVACUAZIONE DEL TRUCIOLO**
Flute angle 0° and 50° results in lower cutting forces and reduced cutting temperatures
and ensures a fast and efficient chip evacuation rate

QUALITÀ HSS CO-PM
Quality HSS Co-PM

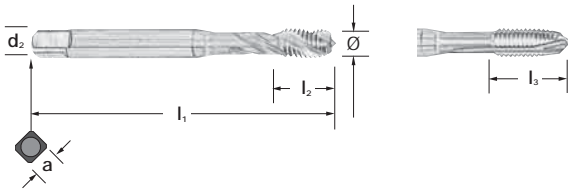
RIVESTIMENTO PVD TiCN CON ELEVATA RESISTENZA ALL'USURA E RIDOTTA ADESIONE SU ACCIAI ABRASIVI
TiCN-based PVD coating with high wear resistance and low adhesion to abrasive steels

IDONEO PER LAVORAZIONI DI MASCHIATURA RIGIDA
Suitable for rigid tapping machining

Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank for ISO metric coarse thread acc. to DIN 13 - New Geometry

Multi VA, Multi Rapid VA



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Multi Rapid VA	Multi VA 50°
6 HX	6 HX
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

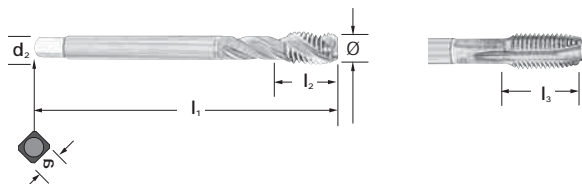
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6773 TC	6774 TC
M 3	0,50	2,5	56	5	11	3,5	2,7	●	●
M 4	0,70	3,3	63	7	13	4,5	3,4	●	●
M 5	0,80	4,2	70	8	16	6,0	4,9	●	●
M 6	1,00	5,0	80	10	19	6,0	4,9	●	●
M 8	1,25	6,8	90	12	22	8,0	6,2	●	●
M 10	1,50	8,5	100	14	24	10,0	8,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank for ISO metric coarse thread acc. to DIN 13

Multi VA, Multi Rapid VA



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Multi Rapid VA	Multi VA 50°
6 HX	6 HX
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

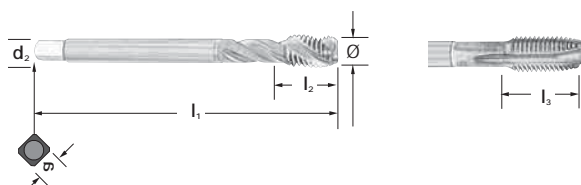
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6778 TC	6779 TC
M 12	1,75	10,2	110	16	29	9,0	7,0	●	●
M 14	2,00	12,0	110	20	30	11,0	9,0	●	●
M 16	2,00	14,0	110	20	32	12,0	9,0	●	●
M 20	2,00	14,0	110	20	32	12,0	9,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Fino DIN 13

Machine taps with reinforced shank for ISO metric coarse thread acc. to DIN 13

Multi VA, Multi Rapid VA



Tipo / Type									Multi Rapid VA	Multi VA 50°
Tolleranza / Tolerance									6 HX	6 HX
Forma/Filetti d'imbocco / Chamfer form / No. of threads									B/4-5	C/2,5-3
Esecuzione elica / Cutting direction										
Materiale / Material									HSS-Co-PM	HSS-Co-PM
Ø mm	Passo / Pitch	Preforo / Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6984 TC	6985 TC	
MF 8	1,0	7,0	90	12	22	6	4,9	●	●	
MF 10	1,0	9,0	90	14	20	7	5,5	●	●	
MF 12	1,5	10,5	100	16	22	9	7,0	●	●	
MF 16	1,5	14,5	100	20	22	12	9,0	●	●	
MF 20	1,5	18,5	125	25	25	16	12,0	●	●	

● Utensile disponibile a magazzino / Items available ex stock

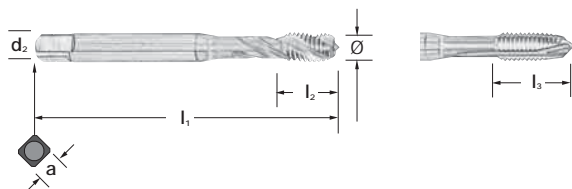
Maschi a macchina con gambo rinforzato
per Filettatura UNC Passo Grosso ASME - B 1.1
in generale dimensioni come DIN 371

Machine taps with reinforced shank
for unified coarse thread UNC - ASME - B 1.1
dimensions generally as per DIN 371

Multi VA, Multi Rapid VA



NEW



Tipo / Type										Multi Rapid VA	Multi VA 50°
Tolleranza Tolerance										2 BX	2 BX
Forma/Filetti d'imbocco Chamfer form / No. of threads										B/4-5	C/2,5-3
Esecuzione elica Cutting direction											
Materiale/Material										HSS-Co-PM	HSS-Co-PM
Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6986 TC	6987 TC		
UNC nr. 6	- 32	2,85	56	6	13	4,0	3,0	●	●		
UNC nr. 8	- 32	3,50	63	7	13	4,5	3,4	●	●		
UNC nr. 10	- 24	3,90	70	8	16	6,0	4,9	●	●		
UNC 1/4	- 20	5,10	80	10	17	7,0	5,5	●	●		
UNC 5/16	- 18	6,60	90	12	20	8,0	6,2	●	●		
UNC 3/8	- 16	8,00	90	12	20	10,0	8,0	●	●		

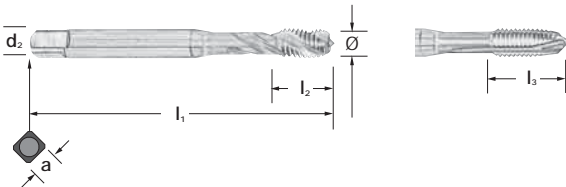
● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato
 per Filettatura UNF Passo Fine
 in generale dimensioni come DIN 371
Machine taps with reinforced shank
 for unified fine thread UNF – ASME – B 1.1
 dimensions generally as per DIN 371

Multi VA, Multi Rapid VA



NEW



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Multi Rapid VA	Multi VA 50°
2 BX	2 BX
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6988 TC	6989 TC
UNF nr. 6	- 40	2,95	56	6	12	4,0	2,1	●	●
UNF nr. 8	- 36	3,50	63	7	14	4,5	2,1	●	●
UNF nr. 10	- 32	4,10	70	8	14	6,0	2,7	●	●
UNF 1/4	- 28	5,50	80	10	16	7,0	3,4	●	●
UNF 5/16	- 24	6,90	90	12	18	8,0	4,9	●	●
UNF 3/8	- 24	8,50	90	12	20	10,0	7,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

Multi Rapid HD & Multi HD

I maschi in HSS Co-PM della serie Multi Rapid e Multi HD sono progettati per garantire maggiore stabilità e affidabilità su materiali con durezza superiore a 800 kg/mm².

Multi Rapid HD and Multi HD HSS Co-PM taps offer better stability and reliability on materials with tensile strength up to 800Kg/mm².



IMBOCCO FORMA B PER FORI PASSANTI E FORMA C PER FORI CIECHI
Form-B chamfer for through hole and Form-C chamfer for blind hole tapping

SPOGLIA DI TAGLIO SPECIFICA PER MATERIALI DA MEDIA E ALTA RESISTENZA MECCANICA
Rake angle specifically designed for medium to high mechanical strength materials

**ANGOLO D'ELICA A 0° E 40° PER RIDURRE LE FORZE DI TAGLIO
E GARANTIRE UNA RAPIDA ED EFFICACE EVACUAZIONE DEL TRUCIOLO**
Flute angle 0° and 40° results in lower cutting forces and ensures a fast and efficient chip evacuation rate

QUALITÀ HSS CO-PM
Quality HSS Co-PM

RIVESTIMENTO PVD TIN CONFERISCE OTTIMA RESISTENZA ALL'USURA E SCORREVOLEZZA DEL TRUCIOLO
TiN-based PVD coating provides very good wear resistance and chip flow

IDONEO PER LAVORAZIONI DI MASCHIATURA RIGIDA
Suitable for rigid tapping machining

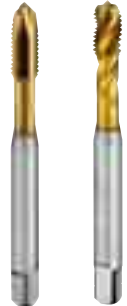
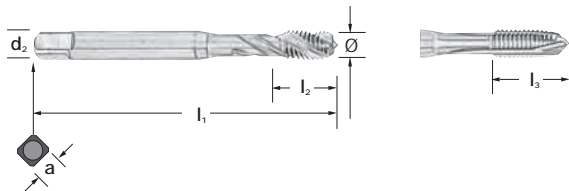
DIN 371



Maschi a macchina con gambo rinforzato per filettatura metrica ISO DIN 13

Machine taps with reinforced shank for ISO metric coarse thread acc. to DIN 13

Multi HD, Multi Rapid HD



Multi Rapid HD	Multi HD 40°
6 H	6 H
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6750 TN	6755 TN
M 3	0,5	2,5	56	5	11	3,5	2,7	●	●
M 4	0,7	3,3	63	7	13	4,5	3,4	●	●
M 5	0,8	4,2	70	8	16	6,0	4,9	●	●
M 6	1,0	5,0	80	10	19	6,0	4,9	●	●
M 8	1,3	6,8	90	12	22	8,0	6,2	●	●
M 10	1,5	8,5	100	14	24	10,0	8,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

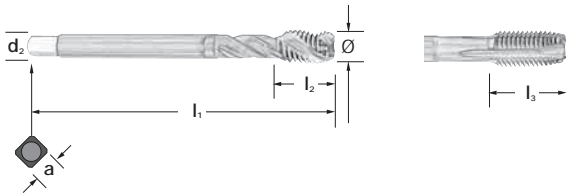
DIN 376



Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank for ISO metric coarse thread acc. to DIN 13

Multi HD, Multi Rapid HD



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Multi Rapid HD	Multi HD 40°
6 H	6 H
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

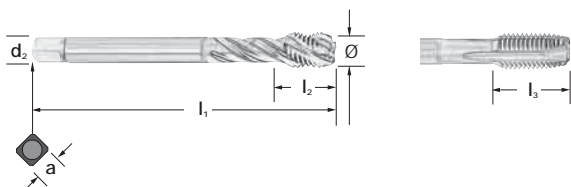
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6751 TN	6756 TN
M 12	1,8	10,2	110	16	29	9	7	●	●
M 14	2,0	12,0	110	20	30	11	9	●	●
M 16	2,0	14,0	110	20	32	12	9	●	●
M 18	2,5	15,5	125	24	34	14	11	●	●
M 20	2,5	17,5	140	25	34	16	12	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante, per Filettatura Metrica ISO Passo Fine DIN 13

Machine taps with reduced shank
for ISO metric coarse thread acc. to DIN 13

Multi HD, Multi Rapid HD



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

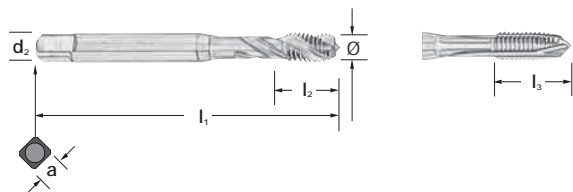
Multi Rapid HD	Multi HD 40°
6 H	6 H
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6752 TN	6757 TN
MF 8	1,0	7,0	90	12	22	6	4,9	●	●
MF 10	1,0	9,0	90	14	20	7	5,5	●	●
MF 12	1,5	10,5	100	16	22	9	7,0	●	●
MF 14	1,5	12,5	100	20	22	11	9,0	●	●
MF 16	1,5	14,5	100	20	22	12	9,0	●	●
MF 18	1,5	16,5	110	25	25	14	11,0	●	●
MF 20	1,5	18,5	125	25	25	16	12,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura UNC Passo Grosso ASME - B 1.1
 in generale dimensioni come DIN 371
 Machine taps with reinforced shank for unified coarse thread UNC - ASME - B 1.1 dimensions generally as per DIN 371

Multi HD, Multi Rapid HD



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

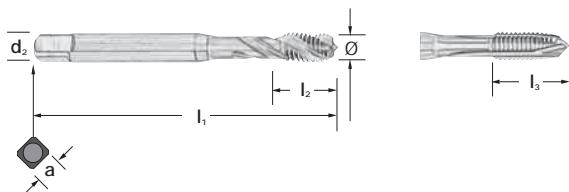
Multi Rapid HD	Multi HD 40°
2 B	2 B
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a mm h12	6993 TN	6994 TN
UNC nr. 6	- 32	2,85	56	6	13	4,0	3,0	●	●
UNC nr. 8	- 32	3,50	63	7	13	4,5	3,4	●	●
UNC nr. 10	- 24	3,90	70	8	16	6,0	4,9	●	●
UNC 1/4	- 20	5,10	80	10	17	7,0	5,5	●	●
UNC 5/16	- 18	6,60	90	12	20	8,0	6,2	●	●
UNC 3/8	- 16	8,00	90	12	20	10,0	8,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura UNF Passo Fine
 in generale dimensioni come DIN 371
 Machine taps with reinforced shank for unified fine thread UNF – ASME – B 1.1
 dimensions generally as per DIN 371

Multi HD, Multi Rapid HD



Multi Rapid HD	Multi HD 40°
2 B	2 B
B/4-5	C/2,5-3
HSS-Co-PM	HSS-Co-PM

Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6995 TN	6996 TN
UNF nr. 6	- 40	2,95	56	6	4,0	2,1	●	●
UNF nr. 8	- 36	3,50	63	7	4,5	2,1	●	●
UNF nr. 10	- 32	4,10	70	8	6,0	2,7	●	●
UNF 1/4	- 28	5,50	80	10	7,0	3,4	●	●
UNF 5/16	- 24	6,90	90	12	8,0	4,9	●	●
UNF 3/8	- 24	8,50	90	12	10,0	7,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

Multi RAPID HDi & Multi HDi

I maschi in HSS Co-PM della serie Multi Rapid HDi e Multi HDi sono progettati per garantire una eccellente affidabilità su applicazione con alte velocità di taglio, grazie ai fori di adduzione del refrigerante, i quali favoriscono una migliore evacuazione del truciolo ed un controllo delle temperatura nelle zone di taglio.

HSS Co-PM Multi Rapid HDi and Multi HDi taps are engineered for ensuring a better reliability when tapping at higher cutting speeds, thanks to coolant channels that ensure better chip evacuation and temperature control in the cutting zone.



IMBOCCO FORMA B PER FORI PASSANTI E FORMA C PER FORI CIECHI
Form-B chamfer for through hole and Form-C chamfer for blind hole tapping

SPOGLIA DI TAGLIO SPECIFICA PER MATERIALI DA MEDIA ALTA RESISTENZA MECCANICA
Rake angle specifically designed for medium high mechanical strength materials

**ANGOLO D'ELICA A 0° E 40° PER RIDURRE LE FORZE DI TAGLIO E GARANTIRE
UNA RAPIDA ED EFFICACE EVACUAZIONE DEL TRUCIOLO**
Flute angle 0° and 40° results in lower cutting forces and ensures a fast and efficient chip evacuation rate

GAMMA DI FILETTATURA METRICO
Metric fine threading range

QUALITÀ HSS CO-PM
Quality HSS Co-PM

**RIVESTIMENTI PVD TIN E TICN CONFERISCONO OTTIME RESISTENZE
ALL'USURA E SCORREVOLEZZA DEL TRUCIOLO**
TiN-and TiCN-based PVD coatings provide very good wear resistance and chip flow

IDEALE PER MATERIALI QUALI ACCIAI DA MEDIA AD ALTA RESISTENZA E GHISE GRIGIE E SFEROIDALI
Ideal for medium to high resistance steel and grey and spheroidal cast iron materials

IDONEO PER LAVORAZIONI DI MASCHIATURA RIGIDA
Suitable for rigid tapping machining

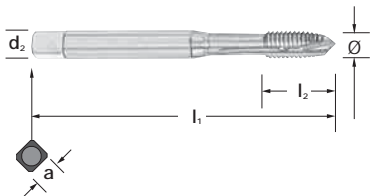
Maschi a macchina con gambo rinforzato e fori di lubrificazione interna per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank and internal cooling for ISO metric coarse thread acc. to DIN 13

Multi Rapid HDi



Lubrificazione radiale
radial cooling



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

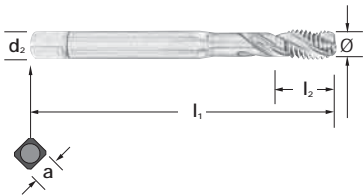
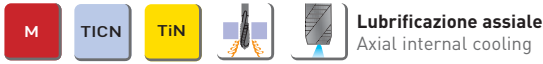
Multi Rapid HDi	Multi Rapid HDi
6 H	6 H
B/4-5	B/4-5
HSS-Co-PM	HSS-Co-PM

\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6753 TN	6753 TC
M 6	1,00	5,0	80	19	6	4,9	●	●
M 8	1,25	6,8	90	22	8	6,2	●	●
M 10	1,50	8,5	100	24	10	8,0	●	●

Maschi a macchina con gambo rinforzato e fori di lubrificazione interna per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank and internal cooling for ISO metric coarse thread acc. to DIN 13

Multi HDi



Multi HDi 40°	Multi HDi 40°
6 H	6 H
C/2,5-3	C/2,5-3
HSS-Co-PM	HSS-Co-PM

Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

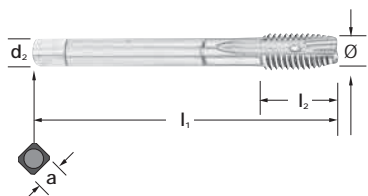
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6772 TN	6772 TC
M 6	1,00	5,0	80	10	6	4,9	●	●
M 8	1,25	6,8	90	12	8	6,2	●	●
M 10	1,50	8,5	100	14	10	8,0	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante e fori di lubrificazione interna per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank and internal cooling for ISO metric coarse thread acc. to DIN 13

Multi Rapid HDi



Tipo / Type								Multi Rapid HDi	Multi Rapid HDi
Tolleranza Tolerance								6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5
Esecuzione elica Cutting direction									
Materiale/Material								HSS-Co-PM	HSS-Co-PM
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6758 TN	6758 TC	
M 12	1,75	10,2	110	29	9	7	●	●	
M 14	2,00	12,0	110	30	11	9	●	●	
M 16	2,00	14,0	110	32	12	9	●	●	
M 18	2,50	15,5	125	34	14	11	●	●	
M 20	2,50	17,5	140	34	16	12	●	●	

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante e fori di lubrificazione interna per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank and internal cooling for ISO metric coarse thread acc. to DIN 13

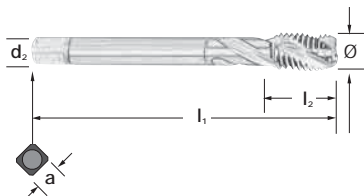
Multi HDi

M

TICN

TIN

Lubrificazione assiale
 Axial internal cooling



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Multi HDi 40°	Multi HDi 40°
6 H	6 H
C/2,5-3	C/2,5-3
HSS-Co-PM	HSS-Co-PM

\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6777 TN	6777 TC
M 12	1,75	10,2	110	16	9	7	●	●
M 14	2,00	12,0	110	20	11	9	●	●
M 16	2,00	14,0	110	20	12	9	●	●
M 18	2,50	15,5	125	24	14	11	●	●
M 20	2,50	17,5	140	25	16	12	●	●

● Utensile disponibile a magazzino / Items available ex stock

SINCRO ILIX i

I maschi in HSS-Co-PM della serie Sincro Ilix i sono costruiti con tolleranze del codolo di bloccaggio in h6 idonei per sistemi di fissaggio utensile Sincro e sono provvisti di fori di adduzione del refrigerante sia assiale che radiale.

Sincro Ilix I HSS-Co-PM taps are engineered with shank tolerance h6, suitable for Sincro tool clamping system and are provided with both axial and radial internal coolant.



IMBOCCO FORMA B PER FORI PASSANTI E FORMA C PER FORI CIECHI.
Form-B chamfer for through hole and Form-C chamfer for blind hole tapping.

ANGOLO D'ELICA A 0°, 15° E 40° PER UNA SCELTA OTTIMALE IN FUNZIONE DELLE CARATTERISTICHE DEL MATERIALE.
Flute angle 0°, 15° and 40° for an optimal choice depending on the material features.

GAMMA DI FILETTATURA METRICO E METRICO FINE.
Metric and Metric fine threading range.

QUALITÀ HSS CO-PM
Quality HSS Co-PM

RIVESTIMENTI PVD TIN CONFERISCE OTTIMA RESISTENZE ALL'USURA E SCORREVOLEZZA DEL TRUCIOLO.
TiN-based PVD coatings provide very good wear resistance and chip flow.

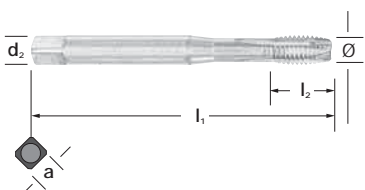
IDEALE PER MATERIALI QUALI ACCIAI DA BASSA AD ALTA RESISTENZA E GHISE GRIGIE E SFEROIDALI.
Ideal for low to high resistance steel and grey and spheroidal cast iron materials.

IDONEO PER LAVORAZIONI DI MASCHIATURA SINCRONA
Suitable for synchronous tapping

Maschi a macchina con gambo rinforzato e fori di lubrificazione interna per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank and internal cooling for ISO metric coarse thread acc. to DIN 13

Sincro Ilix i



Tipo / Type								SINCRO	15° SINCRO	40° SINCRO
Tolleranza Tolerance								6 HX	6 HX	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/3,5-5	C/2-3	C/2-3
Esecuzione elica Cutting direction										
Materiale/Material								HSS-Co-PM	HSS-Co-PM	HSS-Co-PM
Ø mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h6	a mm h12	6975 TN	6971 TN	6973 TN	
M 5	0,80	4,2	70	10	6	4,9	●	●	●	
M 6	1,00	5,0	80	11	6	4,9	●	●	●	
M 8	1,25	6,8	90	13	8	6,2	●	●	●	
M 10	1,50	8,5	100	15	10	8,0	●	●	●	

● Utensile disponibile a magazzino / Items available ex stock

DIN 376



Maschi a macchina con gambo passante e fori di lubrificazione interna per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank and internal cooling for ISO metric coarse thread acc. to DIN 13

Sincro Ilix i

Lubrificazione assiale
 Axial internal cooling



Tipo / Type							15° SINCRO	40° SINCRO
Tolleranza Tolerance							6 HX	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads							C/2-3	C/2-3
Esecuzione elica Cutting direction								
Materiale/Material							HSS-Co-PM	HSS-Co-PM
\varnothing mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h6	a mm h12	6972 TN	6974 TN
M 12	1,75	10,2	110	21	9	7	●	●
M 16	2,00	14,0	110	24	12	9	●	●
M 20	2,50	17,5	140	30	16	12	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante e fori di lubrificazione per Filettatura Metrica ISO Passo Fine DIN 13

Machine taps with reduced shank and internal cooling
for ISO metric fine thread as to DIN 13

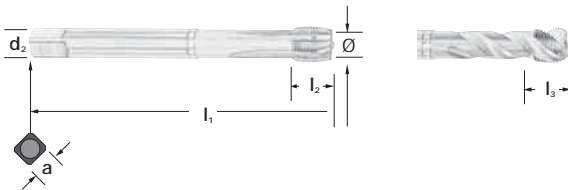
Sincro Ilix i



Lubrificazione radiale
radial cooling



Lubrificazione assiale
Axial internal cooling



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

SINCRO	40° SINCRO
6 HX	6 HX
B/3,5-5	C/2-3
HSS-Co-PM	HSS-Co-PM

Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h6	a mm h12	6978 TN	6977 TN
MF 8	1,00	7,0	90	12	10	6	4,9	●	●
MF 10	1,00	9,0	90	12	10	8	6,2	●	●
MF 10	1,25	8,8	100	15	13	8	6,2	●	●
MF 12	1,00	10,8	100	12	10	10	8,0	●	●
MF 12	1,50	10,5	100	18	15	10	8,0	●	●
MF 14	1,00	13,0	100	12	10	12	9,0	●	●
MF 14	1,50	12,5	100	18	15	12	9,0	●	●
MF 16	1,00	15,0	100	12	10	12	9,0	●	●
MF 16	1,50	14,5	100	18	15	12	9,0	●	●
MF 18	1,50	16,5	110	18	15	14	11,0	●	●
MF 20	1,50	18,5	125	18	15	16	12,0	●	●

MULTI GG

I maschi in HSS Co-PM della serie Multi GG sono progettati specificatamente per maschiatura ad alta velocità di taglio su tutte le ghise, i tagli diritti conferiscono maggior resistenza a torsione, durante il processo di taglio.

HSS-Co-PM taps Multi GG series are specifically engineered for high speed tapping on all cast iron types, the straight flutes offer a better torsional-resistance during the cutting process.



IMBOCCO FORMA C PER FORI CIECHI E PASSANTI
Form-C chamfer for both through and blind holes

GAMMA DI FILETTATURA METRICO E METRICO FINE
Metric and Metric fine threading range

QUALITÀ HSS CO-PM
Quality HSS Co-PM

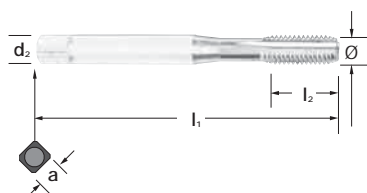
**TRATTAMENTO SUPERFICIALE DI NITRURAZIONE CONFERISCE OTTIMA RESISTENZE
ALL'USURA SIA A UMIDO CHE A SECCO**
Nitriding surface treatment offers excellent wear resistance in dry and wet tapping

IDEALE PER MATERIALI QUALI GHISE GRIGIE E SFEROIDALI
Ideal for grey and spheroidal cast iron materials

Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank
for ISO metric coarse thread as per DIN 13

Multi GG



Tipo / Type

MULTI GG

Tolleranza
Tolerance

6 HX

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

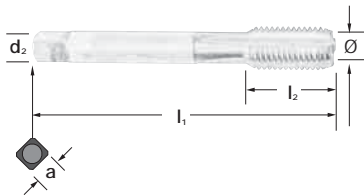
	Ø mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6964
M	3,0	0,50	2,5	56	11	3,5	2,7	●
M	3,5	0,60	2,9	56	13	4,0	3,0	●
M	4,0	0,70	3,3	63	13	4,5	3,4	●
M	5,0	0,80	4,2	70	15	6,0	4,9	●
M	6,0	1,00	5,0	80	16	6,0	4,9	●
M	7,0	1,00	6,0	80	17	7,0	5,5	●
M	8,0	1,25	6,8	90	18	8,0	6,2	●
M	10,0	1,50	8,5	100	20	10,0	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank for ISO metric coarse thread as per DIN 13

Multi GG



Tipo / Type

MULTI GG

Tolleranza
Tolerance

6 HX

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2-3

Esecuzione elica
Cutting direction



Materiale/Material

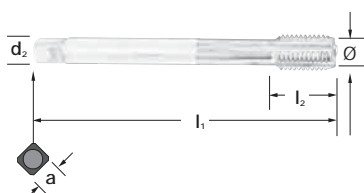
HSS-Co-PM

Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6965
M 12	1,75	10,2	110	24	9	7,0	●
M 14	2,00	12,0	110	26	11	9,0	●
M 16	2,00	14,0	110	28	12	9,0	●
M 18	2,50	15,5	125	34	14	11,0	●
M 20	2,50	17,5	140	32	16	12,0	●
M 22	2,50	19,5	140	34	18	14,5	●
M 24	3,00	21,0	160	38	18	14,5	●
M 27	3,00	24,0	160	38	20	16,0	●
M 30	3,50	26,5	180	45	22	18,0	●

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Fine DIN 13

Machine taps with reduced shank for ISO metric fine thread as to DIN 13

Multi GG



Tipo / Type

MULTI GG

Tolleranza
Tolerance

6 HX

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

	Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6966
MF 8	8	1,00	7,0	90	18	6	4,9	●
MF 9	9	1,00	8,0	90	18	7	5,5	●
MF 10	10	1,00	9,0	90	15	7	5,5	●
MF 10	10	1,25	8,8	100	20	7	5,5	●
MF 12	12	1,50	10,5	100	18	9	7,0	●
MF 14	14	1,50	12,5	100	20	11	9,0	●
MF 16	16	1,50	14,5	100	20	12	9,0	●
MF 18	18	1,50	16,5	110	22	14	11,0	●
MF 20	20	1,50	18,5	125	22	16	12,0	●
MF 22	22	1,50	20,5	125	25	18	14,5	●
MF 24	24	1,50	22,5	140	25	18	14,5	●
MF 30	30	1,50	28,5	150	28	22	18,0	●

● Utensile disponibile a magazzino / Items available ex stock

MULTI GGi

I maschi in HSS Co-PM della serie Multi GG sono progettati specificatamente per maschiatura ad alta velocità di taglio su tutte le ghise, i tagli dritti conferiscono maggior resistenza a torsione, durante il processo di taglio ed inoltre l'adduzione del refrigerante favorisce l'evacuazione del truciolo ed un controllo delle temperature nelle zone di taglio.

HSS Co-PM taps Multi GGi series are specifically engineered for high speed tapping on all cast iron types, the straight flutes offer a better torsional-resistance during the cutting process, furthermore the internal coolant helps along the chip evacuation and controls temperature in the cutting zone.



IMBOCCO FORMA C PER FORI CIECHI E PASSANTI
Form-C chamfer for both through and blind holes

GAMMA DI FILETTATURA METRICO
Metric threading range

QUALITÀ HSS CO-PM
Quality HSS Co-PM

RIVESTIMENTO HL CON TECNOLOGIA PVD PER CONFERIRE UNA MAGGIORE RESISTENZA ALL'USURA SU GHISE PARTICOLARMENTE ABRASIVE
HL coating with pvd technology for a higher wear resistance on very abrasive cast iron

IDEALE PER MATERIALI QUALI GHISE GRIGIE E SFEROIDALI ANCHE DA FUSIONE
Ideal for grey and spheroidal cast iron materials

Maschi a macchina con gambo rinforzato e fori di lubrificazione interna per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank and internal cooling for ISO metric coarse thread as per DIN 13

Multi GGi



Lubrificazione radiale
radial cooling



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale / Material

MULTI GGi

6 HX

C/2,5-3



HSS-Co-PM

\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6967 HL
M 6	1,00	5,0	80	19	6	4,9	●
M 8	1,25	6,8	90	22	8	6,2	●
M 10	1,50	8,5	100	24	10	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

T-BLACK

I maschi in HSS-Co-PM della serie T-Black sono progettati per garantire un ottimale controllo del truciolo e basse forze di taglio.

T-Black HSS-Co-PM taps ensure an optimal chip control at low cutting forces.



IMBOCCO FORMA C PER FORI CIECHI FINO A 3xD E RASTREMATO
Form-C chamfer for blind holes up to 3xD back tapered

ANGOLO D'ELICA 40° PER RIDURRE LE FORZE DI TAGLIO E GARANTIRE UNA RAPIDA ED EFFICACE EVACUAZIONE DEL TRUCIOLO
Flute angle 40° reduces cutting forces and provides a fast and efficient chip evacuation

AMPIA GAMMA DI TIPOLOGIE FILETTO
Wide range of threading types

QUALITÀ HSS CO-PM
Quality HSS Co-PM

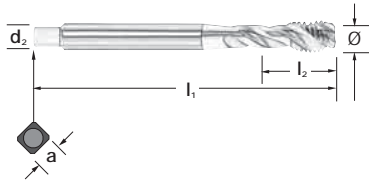
RIVESTIMENTO PVD TICN CONFERISCE OTTIMA RESISTENZA ALL'USURA E SCORREVOLEZZA DEL TRUCIOLO
TiCN-based PVD offers a very good wear resistance and chip flow

IDEALE PER MATERIALI QUALI ACCIAI DA BASSA A MEDIA RESISTENZA E ACCIAI INOSSIDABILI
Ideal for low to medium resistance steels and stainless steel materials

Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank for ISO metric coarse thread as per DIN 13

T-BLACK



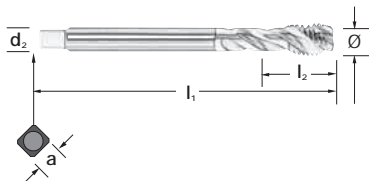
Tipo / Type								TB 40°
Tolleranza / Tolerance								6H
Forma/Filetti d'imbocco / Chamfer form / No. of threads								C/2,5-3
Esecuzione elica / Cutting direction								
Materiale / Material								HSS-Co-PM
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6668 TB	
M 4,0	0,70	3,3	63	7	4,5	3,4	●	
M 5,0	0,80	4,2	70	8	6,0	4,9	●	
M 6,0	1,00	5,0	80	10	6,0	4,9	●	
M 8,0	1,25	6,8	90	12	8,0	6,2	●	
M 10,0	1,50	8,5	100	14	10,0	8,0	●	

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank for ISO metric coarse thread as per DIN 13

T-BLACK



Tipo / Type

TB 40°

Tolleranza
Tolerance

6H

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2,5-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

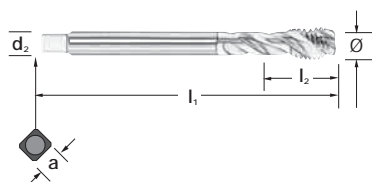
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6669 TB
M 12	1,75	10,2	110	16	9	7,0	●
M 14	2,00	12,0	110	20	11	9,0	●
M 16	2,00	14,0	110	20	12	9,0	●
M 18	2,50	15,5	125	24	14	11,0	●
M 20	2,50	17,5	140	25	16	12,0	●
M 24	3,00	21,0	160	30	18	14,5	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Fine DIN 13

Machine taps with reduced shank for ISO metric fine thread as per DIN 13

T-BLACK

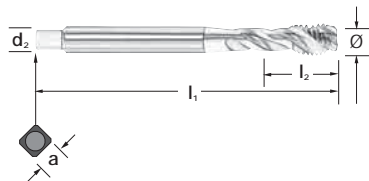


Tipo / Type									TB 40°
Tolleranza Tolerance									6H
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3
Esecuzione elica Cutting direction									
Materiale/Material									HSS-Co-PM
Ø mm	Passo Pitch	Preforo Tap drill	l₁ mm	l₂ mm	d₂mm h9	a mm h12	6830 TB		
MF 6	0,75	5,2	80	10	4,5	3,4	●		
MF 8	1,00	7,0	90	12	6,0	4,9	●		
MF 9	1,00	8,0	90	12	7,0	5,5	●		
MF 10	1,00	9,0	90	14	7,0	5,5	●		
MF 10	1,25	8,8	100	14	7,0	5,5	●		
MF 11	1,00	10,0	90	14	8,0	6,2	●		
MF 12	1,00	11,0	100	16	9,0	7,0	●		
MF 12	1,25	10,8	100	16	9,0	7,0	●		
MF 12	1,50	10,5	100	16	9,0	7,0	●		
MF 14	1,50	12,5	100	20	11,0	9,0	●		
MF 16	1,50	14,5	100	20	12,0	9,0	●		
MF 18	1,50	16,5	110	25	14,0	11,0	●		
MF 20	1,50	19,0	125	25	16,0	12,0	●		

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura UNC Passo Grosso ASME - B 1.1
 in generale dimensioni come DIN 371
 Machine taps with reinforced shank for unified coarse thread UNC - ASME - B 1.1 dimensions generally as per DIN 371

T-BLACK



Tipo / Type								TB 40°	
Tolleranza Tolerance								2B	
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	
Esecuzione elica Cutting direction									
Materiale/Material								HSS-Co-PM	
Ø mm		Filetti/1" Tpi		Preforo Ø Tap drill Ø	l₁ mm	l₂ mm	d₂mm h9	a mm h12	6831 TB
UNC	nr. 6	-	32	2,85	56	6	4,0	3,0	●
UNC	nr. 8	-	32	3,50	63	7	4,5	3,4	●
UNC	nr. 10	-	24	3,90	70	8	6,0	4,9	●
UNC	nr. 12	-	24	4,50	80	10	6,0	4,9	●
UNC	1/4		20	5,10	80	10	7,0	5,5	●
UNC	5/16		18	6,60	90	12	8,0	6,2	●
UNC	3/8		16	8,00	90	12	10,0	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura UNC Passo Grosso ASME - B 1.1

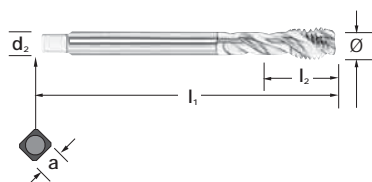
in generale dimensioni come DIN 376

Machine taps with reduced shank

for unified coarse thread UNC - ASME - B 1.1

dimensions generally as per DIN 376

T-BLACK



Tipo / Type

TB 40°

Tolleranza
Tolerance

2B

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2,5-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6832 TB
UNC 7/16	- 14	9,40	100	24	8	6,2	●
UNC 1/2	- 13	10,80	110	29	9	7,0	●
UNC 9/16	- 12	12,20	110	30	11	9,0	●
UNC 5/8	- 11	13,50	110	32	12	9,0	●
UNC 3/4	- 10	16,50	125	34	14	11,0	●
UNC 7/8	- 9	19,50	140	34	18	14,5	●
UNC 1	- 8	22,25	160	38	18	14,5	●
UNC 1 1/4	- 7	28,00	180	36	22	18,0	●
UNC 1 1/2	- 6	34,00	200	42	32	24,0	●
UNC 2	- 4 1/2	45,00	250	56	40	32,0	●

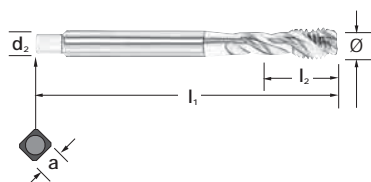
● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura UNF Passo Fine

in generale dimensioni come DIN 371

Machine taps with reinforced shank for unified fine thread UNF – ASME – B 1.1 dimensions generally as per DIN 371

T-BLACK



Tipo / Type								TB 40°
Tolleranza Tolerance								2B
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
\emptyset mm	Filetti/1"	Preforo \emptyset	l_1	l_2	d_2 mm	a mm	6833 TB	
UNF nr. 6	- 40	2,95	56	6	4,0	2,1	●	
UNF nr. 8	- 36	3,50	63	7	4,5	2,1	●	
UNF nr. 10	- 32	4,10	70	8	6,0	2,7	●	
UNF nr. 12	- 28	4,70	80	10	6,0	3,0	●	
UNF nr. 1/4	- 28	5,50	80	10	7,0	3,4	●	
UNF nr. 5/16	- 24	6,90	90	12	8,0	4,9	●	
UNF nr. 3/8	- 24	8,50	90	12	10,0	7,0	●	

DIN 2184/1

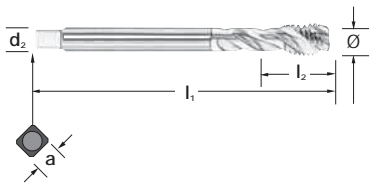


Maschi a macchina con gambo passante per Filettatura UNF Passo Fine

in generale dimensioni come DIN 376

Machine taps with reinforced shank for unified fine thread UNF – ASME – B 1.1 dimensions generally as per DIN 376

T-BLACK



Tipo / Type									TB 40°
Tolleranza Tolerance									2B
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3
Esecuzione elica Cutting direction									
Materiale/Material									HSS-Co-PM
\emptyset mm	Filetti/1" Tpi		Preforo \emptyset Tap drill \emptyset	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6834 TB	
UNF 7/16	-	20	9,90	90	14,0	8,0	6,2	●	
UNF 1/2	-	20	11,50	100	16,0	9,0	7,0	●	
UNF 9/16	-	18	12,90	100	20,0	11,0	9,0	●	
UNF 5/8	-	18	14,50	100	20,0	12,0	9,0	●	
UNF 3/4	-	16	17,50	110	25,0	14,0	11,0	●	
UNF 7/8	-	14	20,40	125	25,0	18,0	14,5	●	
UNF 1	-	12	23,25	140	25,0	18,0	14,5	●	

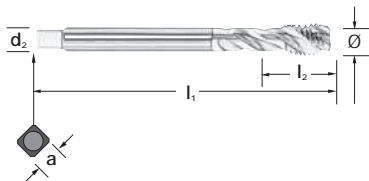
● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura GAS Cilindrica BSP

forma secondo DIN 259 e DIN-ISO 228

Machine taps with reduced shank for British standard Pipe thread as per DIN 259 and DIN-ISO 228

T-BLACK



Tipo / Type

TB 40°

Tolleranza
Tolerance

-

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2,5-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6835 TB
G 1/16	- 28	6,80	90	12	6	4,9	●
G 1/8	- 28	8,80	90	14	7	5,5	●
G 1/4	- 19	11,80	100	20	11	9,0	●
G 3/8	- 19	15,25	100	20	12	9,0	●
G 1/2	- 14	19,00	125	25	16	12,0	●
G 5/8	- 14	21,00	125	25	18	14,5	●
G 3/4	- 14	24,50	140	28	20	16,0	●
G 7/8	- 14	28,25	150	28	22	18,0	●
G 1	- 11	30,75	160	30	25	20,0	●

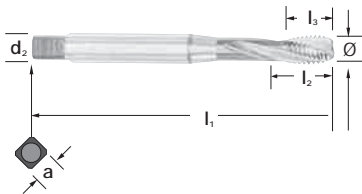
Maschi a macchina con gambo rinforzato per filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank for ISO metric coarse thread as per DIN 13

VR i



Lubrificazione assiale
Axial internal cooling



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

VR i 15°

6 HX

C/2,5-3



HSS-Co-PM

Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h6	a mm h12	6601 TN
M 6	1,00	5,0	80	19	10	6	4,9	●
M 8	1,25	6,8	90	22	12	8	6,2	●
M 10	1,50	8,5	100	24	14	10	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

Ti

I maschi in HSS-Co-PM della serie Ti sono progettati specificatamente per la maschiatura di materiali resistenti al calore nel settore aeronautico e biomedicale.

Ti HSS-Co-PM taps are specifically engineered for tapping heat resistance materials in aerospace and biomedical industry.



ANGOLO DI ELICA 15° PER UN TAGLIO DOLCE TALE DA RIDURRE LE TEMPERATURE SUL TAGLIANTE
Rake angle 15° for a soft cut lows temperature at the cutting edge

TOLLERANZE DI COSTRUZIONE ULTRA PRECISE TIPICHE NEL SETTORE AEREAUTICO
Very precise tolerances typical of the aerospace industry

QUALITÀ HSS-CO-PM
Quality HSS-Co-PM

TRATTAMENTO SUPERFICIALE DI NITRURAZIONE PER RIDURRE AL MINIMO GLI ATTRITI DA FRIZIONE
Nitrated surface treatment in order to reduce the friction rates

IDEALE PER MATERIALI QUALI TITANIO E LEGHE DI TITANIO
Ideal for Titanium and Titanium alloys materials

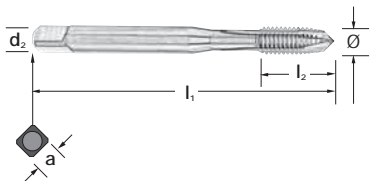
DIN 371



Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank
for ISO metric coarse thread as per DIN 13

Ti



Tipo / Type								Ti
Tolleranza Tolerance								6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6683	
M 3	0,50	2,50	56	11	3,50	2,70	●	
M 3,5	0,60	2,90	56	13	4,00	3,00	●	
M 4	0,70	3,30	63	13	4,50	3,40	●	
M 5	0,80	4,20	70	16	6,00	4,90	●	
M 6	1,00	5,00	80	19	6,00	4,90	●	
M 7	1,00	6,00	80	19	7,00	5,50	●	
M 8	1,25	6,80	90	22	8,00	6,20	●	
M 10	1,50	8,50	100	24	10,00	8,00	●	

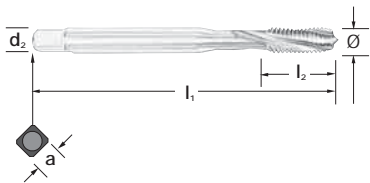
Ti:
per leghe di titanio
for Titanium alloys

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank for ISO metric coarse thread as per DIN 13

Ti



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ti 15°

6H

C/2,5-3



HSS-Co-PM

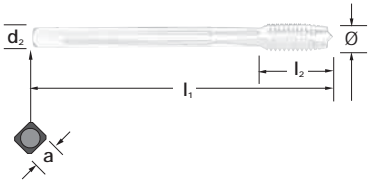
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6684
M 3	0,50	2,50	56	5	3,5	2,7	●
M 3,5	0,60	2,90	56	6	4,0	3,0	●
M 4	0,70	3,30	63	7	4,5	3,4	●
M 5	0,80	4,20	70	8	6,0	4,9	●
M 6	1,00	5,00	80	10	6,0	4,9	●
M 7	1,00	6,00	80	10	7,0	5,5	●
M 8	1,25	6,80	90	12	8,0	6,2	●
M 10	1,50	8,50	100	14	10,0	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank
for ISO metric coarse thread as per DIN 13

Ti



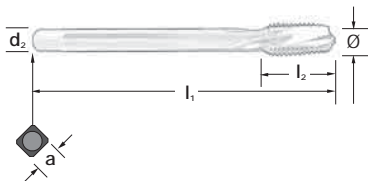
Tipo / Type								Ti
Tolleranza Tolerance								6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6825	
M 12	1,75	10,2	110	29	9	7	●	
M 16	2,00	14,0	110	32	12	9	●	
M 20	2,50	17,5	140	34	16	12	●	

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank for ISO metric coarse thread as per DIN 13

Ti



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ti 15°

6 HX

C 2,5-3



HSS-Co-PM

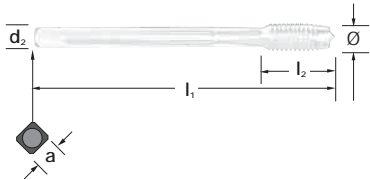
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6826
M 12	1,75	10,2	110	29	9	7	●
M 16	2,00	14,0	110	32	12	9	●
M 20	2,50	17,5	140	34	16	12	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Fine DIN 13

Machine taps with reduced shank for ISO metric fine thread as per DIN 13

Ti



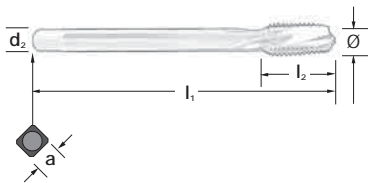
Tipo / Type								Ti
Tolleranza Tolerance								6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6828	
MF 8	1,00	7,0	90	22	6	4,9	●	
MF 10	1,00	9,0	90	20	7	5,5	●	
MF 12	1,00	11,0	100	22	9	7,0	●	
MF 12	1,50	10,5	100	22	9	7,0	●	
MF 14	1,50	12,5	100	22	11	9,0	●	
MF 16	1,50	14,5	100	22	12	9,0	●	
MF 18	1,50	16,5	110	25	14	11,0	●	
MF 20	1,50	18,5	125	25	16	12,0	●	

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Fine DIN 13

Machine taps with reduced shank for ISO metric fine thread as per DIN 13

Ti



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ti 15°

6 HX

C/2,5-3



HSS-Co-PM

	\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6829
MF 8	8	1,00	7,0	90	22	6	4,9	●
MF 10	10	1,00	9,0	90	20	7	5,5	●
MF 12	12	1,00	11,0	100	22	9	7,0	●
MF 12	12	1,50	10,5	100	22	9	7,0	●
MF 14	14	1,50	12,5	100	22	11	9,0	●
MF 16	16	1,50	14,5	100	22	12	9,0	●
MF 18	18	1,50	16,5	110	25	14	11,0	●
MF 20	20	1,50	18,5	125	25	16	12,0	●

Ni

I maschi in HSS-Co-PM della serie Ni sono progettati specificatamente per la maschiatura di materiali resistenti al calore nel settore aeronautico ed energetico.

I maschi a 10° presenti in gamma, sono provvisti di rompi truciolo per favorire un migliore controllo del truciolo, questo permette inoltre l'uso di questi maschi sia per foro cieco che per foro passante.

Ni HSS-Co-PM taps are specifically engineered for tapping heat resistance materials in aerospace and energy industry.

ILIX 10 degrees taps from our range are provided with chipbreaker for improving the chip control, this allows the use of these taps for both blind and through holes applications.



.TOLLERANZE DI COSTRUZIONE ULTRA PRECISE TIPICHE NEL SETTORE AERONAUTICO.
Very precise tolerances typical of the aerospace industry.

QUALITÀ HSS-CO-PM
Quality HSS-Co-PM

TRATTAMENTO SUPERFICIALE DI LAPPATURA PER RIDURRE AL MINIMO GLI ATTRITI DA FRIZIONE.
Lapping surface treatment reduces the friction rates.

IDEALE PER MATERIALI QUALI LEGHE BASE NICHEL.
Ideal for Nichel.

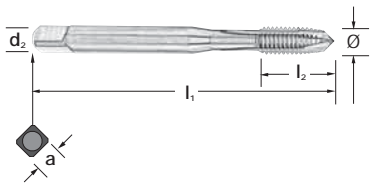
DIN 371



Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank
for ISO metric coarse thread as per DIN 13

Ni



Tipo / Type								Ni
Tolleranza Tolerance								6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6892	
M 2	0,40	1,60	45	8	2,8	2,1	●	
M 2,5	0,45	2,05	50	9	2,8	2,1	●	
M 3	0,50	2,50	56	11	3,5	2,7	●	
M 4	0,70	3,30	63	13	4,5	3,4	●	
M 5	0,80	4,20	70	16	6,0	4,9	●	
M 6	1,00	5,00	80	19	6,0	4,9	●	
M 8	1,25	6,80	90	22	8,0	6,2	●	
M 10	1,50	8,50	100	24	10,0	8,0	●	

● Utensile disponibile a magazzino / Items available ex stock

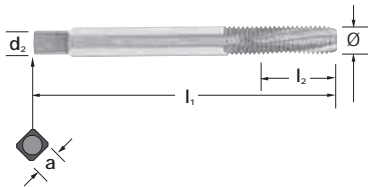
DIN 371



Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank for ISO metric coarse thread as per DIN 13

Ni



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 10°

6 HX

C/2,5-3



HSS-Co-PM

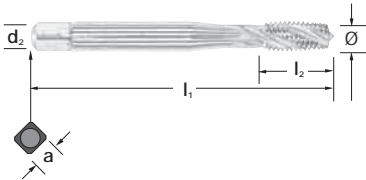
	Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6894
M	3	0,50	2,50	56	11	3,5	2,7	●
M	4	0,70	3,30	63	13	4,5	3,4	●
M	5	0,80	4,20	70	16	6,0	4,9	●
M	6	1,00	5,00	80	19	6,0	4,9	●
M	8	1,25	6,80	90	22	8,0	6,2	●
M	10	1,50	8,50	100	24	10,0	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reinforced shank
for ISO metric coarse thread as per DIN 13

Ni



Tipo / Type

Ni 22°

Tolleranza
Tolerance

6 HX

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2,5-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

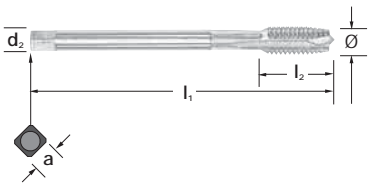
	Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6895
M	2	0,40	1,60	45	8	2,8	2,1	●
M	3	0,50	2,50	56	11	3,5	2,7	●
M	3,5	0,60	2,90	56	13	4,0	3,0	●
M	4	0,70	3,30	63	13	4,5	3,4	●
M	5	0,80	4,20	70	16	6,0	4,9	●
M	6	1,00	5,00	80	19	6,0	4,9	●
M	8	1,25	6,80	90	22	8,0	6,2	●
M	10	1,50	8,50	100	24	10,0	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank
for ISO metric coarse thread as per DIN 13

Ni



Tipo / Type								Ni
Tolleranza Tolerance								6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5
Esecuzione elica Cutting direction								
Materiale / Material								HSS-Co-PM
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6893	
M 12	1,75	10,20	110	29	9,0	7,0	●	
M 16	2,00	14,00	110	32	12,0	9,0	●	
M 20	2,50	17,50	140	34	16,0	12,0	●	

● Utensile disponibile a magazzino / Items available ex stock

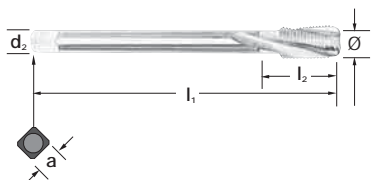
Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank
for ISO metric coarse thread as per DIN 13

Ni



NEW



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 10°

6 HX

C/2,5-3



HSS-Co-PM

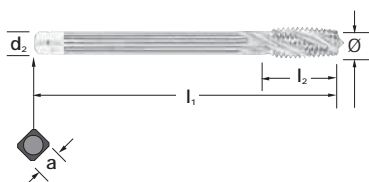
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6948
M 12	1,75	10,20	110	29	9,0	7,0	●
M 16	2,00	14,00	110	32	12,0	9,0	●
M 20	4,50	17,50	140	34	16,0	12,0	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank for ISO-metric coarse thread as per DIN 13

Ni



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 22°

6 HX

C/2,5-3



HSS-Co-PM

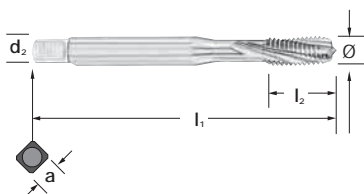
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6896
M 12	1,75	10,20	110	29	9,0	7,0	●
M 16	2,00	14,00	110	32	12,0	9,0	●
M 20	2,50	17,50	140	34	16,0	12,0	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura MJ

Machine taps with reinforced shank for MJ thread

Ni



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 10°

4 HX

C/2,5-3



HSS-Co-PM

	Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6906
MJ	3	0,50	2,60	56	11	3,5	2,7	●
MJ	4	0,70	3,40	63	13	4,5	3,4	●
MJ	5	0,80	4,30	70	15	6,0	4,9	●
MJ	6	1,00	5,10	80	17	6,0	4,9	●
*MJ	8	1,00	7,10	90	17	8,0	6,2	●
MJ	8	1,25	6,90	90	20	8,0	6,2	●
*MJ	10	1,25	8,90	100	18	10,0	8,0	●
MJ	10	1,50	8,60	100	22	10,0	8,0	●

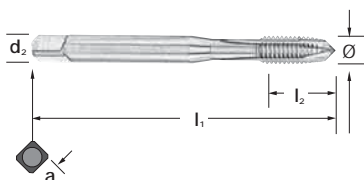
* Metrico Fine / Metric Fine

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina con gambo rinforzato per Filettatura UNC Passo Grosso ASME - B 1.1 in generale dimensioni come DIN 371

Machine taps with reinforced shank for unified coarse thread UNC - ASME - B 1.1 dimensions generally as per DIN 371

Ni



Tipo / Type								Ni
Tolleranza Tolerance								2 BX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
Ø mm	Filetti/1"	Preforo Ø	l ₁	l ₂	d ₂ mm	a mm	6869	
UNC nr. 2	- 56	1,85	45	9	2,8	2,1	●	
UNC nr. 3	- 48	2,10	50	9	2,8	2,1	●	
UNC nr. 4	- 40	2,35	56	11	3,5	2,7	●	
UNC nr. 5	- 40	2,65	56	11	3,5	2,7	●	
UNC nr. 6	- 32	2,85	56	13	4,0	3,0	●	
UNC nr. 8	- 32	3,50	63	13	4,5	3,4	●	
UNC nr. 10	- 24	3,90	70	16	6,0	4,9	●	
UNC nr. 12	- 24	4,50	80	17	6,0	4,9	●	
UNC 1/4	- 20	5,10	80	17	7,0	5,5	●	
UNC 5/16	- 18	6,60	90	20	8,0	6,2	●	
UNC 3/8	16	8,00	100	20	10,0	8,0	●	

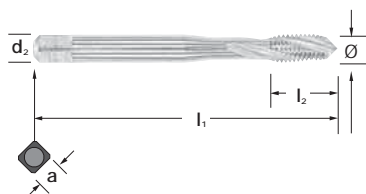
**Maschi a macchina con gambo rinforzato
per Filettatura UNC Passo Grosso ASME - B 1.1
in generale dimensioni come DIN 371**

Machine taps with reinforced shank
for unified coarse thread UNC - ASME - B 1.1
dimensions generally as per DIN 371

Ni



NEW



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 10°

2 BX

C/2,5/3



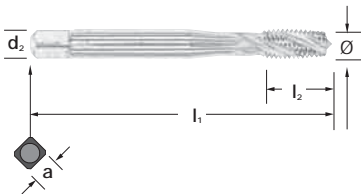
HSS-Co-PM

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6990
UNC nr. 4	- 40	2,35	56	11	3,5	2,7	●
UNC nr. 6	- 32	2,85	56	13	4,0	3,0	●
UNC nr. 8	- 32	3,50	63	13	4,5	3,4	●
UNC nr. 10	- 24	3,90	70	16	6,0	4,9	●
UNC nr. 12	- 24	4,50	80	17	6,0	4,9	●
UNC 1/4	- 20	5,10	80	17	7,0	5,5	●
UNC 5/16	- 18	6,60	90	20	8,0	6,2	●
UNC 3/8	- 16	8,00	100	20	10,0	8,0	●

Maschi a macchina con gambo rinforzato per Filettatura UNC Passo Grosso ASME - B 1.1 in generale dimensioni come DIN 371

Machine taps with reinforced shank for unified coarse thread UNC - ASME - B 1.1 dimensions generally as per DIN 371

Ni



Tipo / Type								Ni 22°
Tolleranza Tolerance								2 BX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5/3
Esecuzione elica Cutting direction								
Materiale / Material								HSS-Co-PM
Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6900	
UNC nr. 6	- 32	2,85	56	13	4,0	3,0	●	
UNC nr. 8	- 32	3,50	63	13	4,5	3,4	●	
UNC nr. 10	- 24	3,90	70	16	6,0	4,9	●	
UNC nr. 12	- 24	4,50	80	17	6,0	4,9	●	
UNC 1/4	- 20	5,10	80	17	7,0	5,5	●	
UNC 5/16	- 18	6,60	90	20	8,0	6,2	●	
UNC 3/8	- 16	8,00	100	20	10,0	8,0	●	

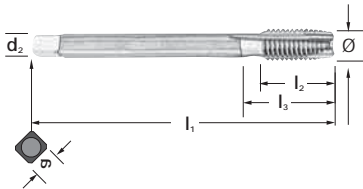
DIN 2184/1



Maschi a macchina con gambo passante per Filettatura UNC Passo Grosso ASME - B 1.1 in generale dimensioni come DIN 376

Machine taps with reduced shank for unified coarse thread UNC - ASME - B 1.1 dimensions generally as per DIN 376

Ni



Tipo / Type										Ni
Tolleranza Tolerance										2 BX
Forma/Filetti d'imbocco Chamfer form / No. of threads										B/4-5
Esecuzione elica Cutting direction										
Materiale/Material										HSS-Co-PM
Ø mm	Filetti/1"		Preforo		l ₁	l ₂	l ₃	d ₂ mm	a	6897
	Tpi		Tap drill		mm	mm	mm	h9	h12	
UNC 1/2	-	13	10,80		110	16	29	9	7,0	●
UNC 5/8	-	11	13,50		110	20	32	12	9,0	●
UNC 3/4	-	10	16,50		125	25	34	14	11,0	●

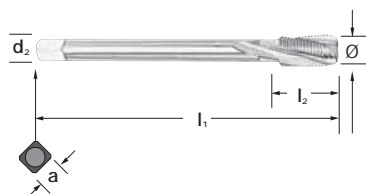
DIN 2184/1



Maschi a macchina con gambo passante per Filettatura UNC Passo Grosso ASME - B 1.1 in generale dimensioni come DIN 376

Machine taps with reduced shank for unified coarse thread UNC - ASME - B 1.1 dimensions generally as per DIN 376

Ni



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 10°

2 BX

C/2,5-3



HSS-Co-PM

6997

Ø mm	Passo Pitch			Preforo Tap drill	L ₁ mm	L ₂ mm	d ₂ mm h9	a mm h12	6997
UNC 7/16	-	14		6,50	100	18	6	4,9	●
UNC 1/2	-	13		10,80	110	22	9	7,0	●
UNC 5/8	-	11		13,50	110	28	12	9,0	●

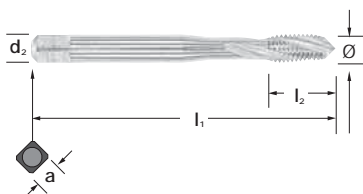
Maschi a macchina con gambo rinforzato per Filettatura UNC Passo Grosso ASME - B 1.1 in generale dimensioni come DIN 371

Machine taps with reinforced shank for unified coarse thread UNC - ASME - B 1.1 dimensions generally as per DIN 371

Ni



NEW

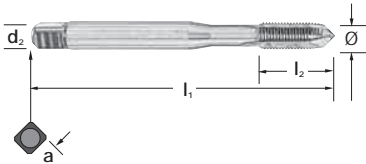


Tipo / Type								Ni 10°
Tolleranza Tolerance								3 BX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6998	
UNJC nr. 4	- 40	2,3	56	10	3,5	2,7	●	
UNJC nr. 6	- 32	2,75	56	11	4,0	3,0	●	
UNJC nr. 8	- 32	3,50	63	12	4,5	3,4	●	
UNJC nr. 10	- 24	3,80	70	14	6,0	4,9	●	
UNJC nr. 12	- 24	3,80	70	14	6,0	4,9	●	
UNJC 1/4	- 20	5,10	80	16	6,0	4,9	●	
UNJC 5/16	- 18	6,50	90	18	8,0	6,2	●	
UNJC 3/8	- 16	7,90	100	20	10,0	8,0	●	

**Maschi a macchina con gambo rinforzato
per Filettatura UNF Passo Fine
in generale dimensioni come DIN 371**

Machine taps with reinforced shank
for unified fine thread UNF - ASME - B 1.1
dimensions generally as per DIN 371

Ni



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni

2 BX

B/4-5



HSS-Co-PM

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6844
UNF nr. 2	- 64	1,90	45	9	2,8	2,1	●
UNF nr. 3	- 56	2,15	50	9	2,8	2,1	●
UNF nr. 4	- 48	2,40	56	11	3,5	2,7	●
UNF nr. 5	- 44	2,70	56	11	3,5	2,7	●
UNF nr. 6	- 40	2,95	56	13	4,0	3,0	●
UNF nr. 8	- 36	3,50	63	13	4,5	3,4	●
UNF nr. 10	- 32	4,10	70	14	6,0	4,9	●
UNF nr. 12	- 28	4,70	80	17	6,0	4,9	●
UNF 1/4	28	5,50	80	18	7,0	5,5	●
UNF 5/16	24	6,90	90	22	8,0	6,2	●
UNF 3/8	24	8,50	100	22	10,0	7,0	●

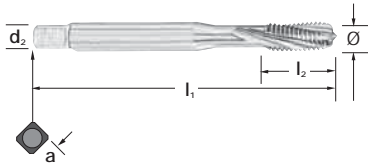
DIN 2184/1



Maschi a macchina con gambo rinforzato per Filettatura UNF Passo Fine in generale dimensioni come DIN 371

Machine taps with reinforced shank for unified fine thread UNF - ASME - B 1.1 dimensions generally as per DIN 371

Ni



Tipo / Type

Ni 10°

Tolleranza
Tolerance

2 BX

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C/2-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

Ø mm		Filetti/1" Tpi		Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6928
UNF	nr. 6	-	40	2,95	56	13	4,0	3,0	●
UNF	nr. 8	-	36	3,50	63	13	4,5	3,4	●
UNF	nr. 10	-	32	4,10	70	14	6,0	4,9	●
UNF	nr. 12	-	28	4,70	80	14	6,0	4,9	●
UNF	1/4	-	28	5,50	80	16	7,0	5,5	●
UNF	5/16	-	24	6,90	90	22	8,0	6,2	●
UNF	3/8	-	24	8,50	100	22	10,0	8,0	●

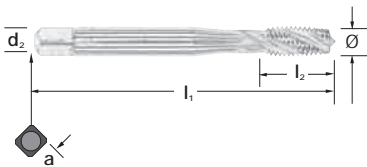
DIN 2184/1



Maschi a macchina con gambo rinforzato per Filettatura UNF Passo Fine in generale dimensioni come DIN 371

Machine taps with reinforced shank
for unified fine thread UNF - ASME - B 1.1
dimensions generally as per DIN 371

Ni

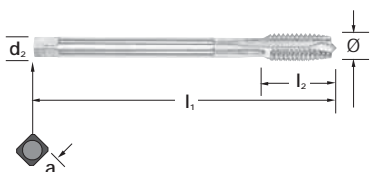


Tipo / Type									Ni 22°
Tolleranza / Tolerance									2 BX
Forma/Filetti d'imbocco / Chamfer form / No. of threads									C/2,5-3
Esecuzione elica / Cutting direction									
Materiale / Material									HSS-Co-PM
									6846
Ø mm	Filetti/1"	Preforo Ø	l ₁ mm	l ₂ mm	d ₂ mm	a mm			
nr.	Tpi	Tap drill Ø			h9	h12			
UNF 10	- 32	4,10	70	12	6,0	2,7			●
UNF 1/4	- 28	5,50	80	14	7,0	3,4			●
UNF 5/16	- 24	6,90	90	22	8,0	4,9			●
UNF 3/8	- 24	8,50	90	22	10,0	7,0			●

Maschi a macchina con gambo passante per Filettatura UNF Passo Fine in generale dimensioni come DIN 374

Machine taps with reduced shank for unified fine thread UNF - ASME - B 1.1 dimensions generally as per DIN 374

Ni



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni
2 BX
B/4-5
 HSS-Co-PM

	Ø mm	Filetti/1"		Preforo Ø	l ₁	l ₂	d ₂ mm	a mm	6845
		Tpi		Tap drill Ø	mm	mm	h9	h12	
UNF	7/16	-	20	9,90	90	20	8,0	6,2	●
UNF	1/2	-	20	11,50	100	22	9,0	7,0	●
UNF	5/8	-	18	14,50	100	22	12,0	9,0	●
UNF	3/4	-	16	17,50	110	25	14,0	11,0	●

DIN 2184/1



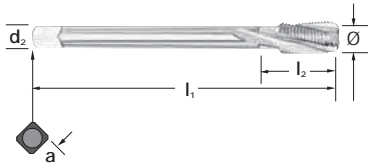
Maschi a macchina con gambo passante per Filettatura UNF Passo Fine in generale dimensioni come DIN 374

Machine taps with reduced shank for unified fine thread UNF - ASME - B 1.1 dimensions generally as per DIN 374

Ni



NEW



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 10°

2 BX

C/2,5-3



HSS-Co-PM

Ø mm	Filetti/1" Tpi	Preforo Ø Tap drill Ø	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6929
UNF 7/16	- 20	9,90	100	14	8,0	6,2	●
UNF 1/2	- 20	11,50	110	18	9,0	7,0	●
UNF 5/8	- 18	14,50	110	20	12,0	9,0	●

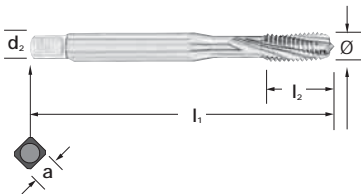
DIN 2184/1



Maschi a macchina con gambo rinforzato per Filettatura UNJF

Machine taps with reinforced shank for Unified fine thread UNJF ASME B1.1

Multi Aero



Tipo / Type

Tolleranza
Tolerance

Forma/Filetti d'imbocco
Chamfer form / No. of threads

Esecuzione elica
Cutting direction

Materiale/Material

Ni 10°

3 BX

C/2,5-3



HSS-Co-PM

Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6907
UNJF nr. 6	40	3,00	56	12	4,0	3,0	●
UNJF nr. 8	36	3,55	63	13	4,5	3,4	●
UNJF nr. 10	32	4,15	70	15	6,0	4,9	●
UNJF 1/4	28	5,55	80	17	7,0	5,5	●
UNJF 5/16	24	7,00	90	17	8,0	6,2	●
UNJF 3/8	24	8,60	90	18	10,0	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

MULTI TP

Multi TP Maschi in metallo duro integrale e acciaio sinterizzato adatti ad affrontare lavorazioni su materiali con durezza superiori a 50 HRC.

Solid carbide and HSS PM taps for tapping in materials with a hardness upto 50 HRC.



QUALITÀ METALLO DURO
Quality Solid Carbide

ACCIAIO SINTERIZZATO DI ULTIMA GENERAZIONE.
GRAZIE ALLE GRANULOMETRIA ULTRA FINE SI GARANTISCE UNA BUONA STABILITÀ E DURATA DELL'UTENSILE.
Latest generation SINTERED STEEL. Very good stability and longer tool life, thanks to the ultra-fine granulometry.

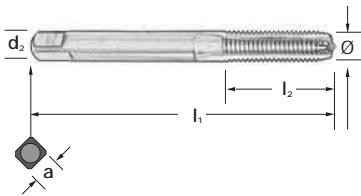
TIPO DI RIVESTIMENTO:
IL RIVESTIMENTO TICN FORNISCE UNA MAGGIORE RESISTENZA ALL'USURA CHE PERMETTE TENACITÀ E PRECISIONE SU ACCIAIO TEMPRATO.

Surface coating:
New production technologies have sped up production cycles. The TICN coating gives higher tenacity and wear resistance to the tool when used in high performance machines.

SIMILARE / SIMILAR DIN 371

Maschi a macchina con gambo rinforzato* per Filettatura Metrica ISO Passo Grosso DIN 13
 Machine taps with reinforced shank* for ISO metric coarse thread as per DIN 13

Multi TP HRC 52-58



Tipo / Type								MULTI TP
Tolleranza / Tolerance								6 HX
Forma/Filetti d'imbocco / Chamfer form / No. of threads								C/2,5-3
Esecuzione elica / Cutting direction								K10/K20
Materiale / Material								6770 TC
	Ø mm	Passo / Pitch	Preforo / Tap drill	l ₁ mm	l ₂ mm	d ₂ mm / h9	a mm / h12	
M	4	0,70	3,4	63	13	4,5	3,4	●
M	5	0,80	4,3	70	16	6,0	4,9	●
M	6	1,00	5,1	80	19	6,0	4,9	●
M	8	1,25	6,9	90	22	8,0	6,2	●
M	10	1,50	8,6	100	24	10,0	8,0	●
M	12	1,75	10,4	110	32	12,0	9,0	●

*Per operazioni di foratura sullo stesso tipo di materiale utilizzare la punta 6014TF pag. 73 / The twist drill 6014TF of page 73 is adequate for drilling in listed materials.

● Utensile disponibile a magazzino / Items available ex stock

FORMER PM - PM i

I maschi a rullare in HSS Co-PM (sinterizzati) sono studiati per l'impiego ad alta velocità, assicurando un'elevata produttività e un'affidabile qualità di filettatura, e garantiscono una notevole resistenza all'usura e al calore. Gli utensili HSS Co-PM sono da utilizzarsi su macchine a CNC per maschiatura rigide e sincrone.



**FILETTO OTTENUTO PER DEFORMAZIONE PLASTICA DEL MATERIALE ANZICHÉ PER ASPORTAZIONE
ASSENZA DI TRUCIOLI E QUINDI:**
Thread obtained by plastic deformation instead of material removal.
No chip formation, therefore:

- **SICUREZZA E AFFIDABILITÀ DEL PROCESSO DI MASCHIATURA**
- Secure and reliable tapping process
- **UNICO MASCHIO PER FILETTATURE SIA CIECHE CHE PASSANTI**
- Possibility to thread both blind and through holes with the same tap
- **VASTA GAMMA DI MATERIALI LAVORABILI: ACCIAI <1000 N/MM², ALLUMINIO, NON FERROSI**
- Wide range of working materials: Steel <1000 N/mm², Aluminium, Non Ferrous materials
- **PROFONDITÀ DI MASCHIATURA ELEVATA ANCHE SU FORI CIECHI**
- High tapping depth also on blind holes
- **VITA UTENSILE ELEVATA**
- High tool life

VELOCITÀ DI TAGLIO MAGGIORE RISPETTO AI MASCHI AD ASPORTAZIONE
Higher cutting speed compared to cutting taps

MIGLIORE FINITURA SUPERFICIALE DEL FILETTO
Better surface quality on thread

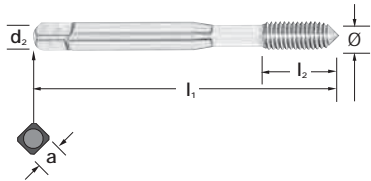
I MASCHI A RULLARE RIVESTITI TIN O TiAlN AUMENTANO SENSIBILMENTE LA VITA UTENSILE
The forming taps TIN or TiAlN coated help to increase the tool life

MAGGIORE RESISTENZA ALLA ROTTURA DEL MASCHIO, GRAZIE ALLA SUA SEZIONE RESISTENTE
Low risk of breakage, thanks to larger core diameter

Maschi a macchina a rullare con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Cold forming taps with reinforced shank for ISO metric coarse thread as per DIN 13

FORMER PM



Tipo / Type								Former
Tolleranza Tolerance								6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3
Esecuzione elica Cutting direction								
Materiale/Material								HSS-Co-PM
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6800 TF	
M 3,0	0,5	2,75	56	11	3,5	2,7	●	
M 4,0	0,7	3,65	63	13	4,5	3,4	●	
M 5,0	0,8	4,60	70	16	6,0	4,9	●	
M 6,0	1,0	5,50	80	19	6,0	4,9	●	
M 8,0	1,25	7,40	90	22	8,0	6,2	●	
M 10,0	1,5	9,30	100	24	10,0	8,0	●	

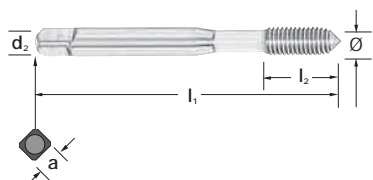
Maschi a macchina a rullare con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Cold forming taps with reinforced shank for ISO metric coarse thread as per DIN 13

FORMER PM i



Lubrificazione assiale
Axial internal cooling



Tipo / Type

Former i

Tolleranza
Tolerance

6 HX

Forma/Filetti d'imbotto
Chamfer form / No. of threads

C 2,5-3

Esecuzione elica
Cutting direction



Materiale / Material

HSS-Co-PM

	Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12	6801 TN
M	6,0	1,0	5,50	80	19	6,0	4,9	●
M	8,0	1,25	7,40	90	22	8,0	6,2	●
M	10,0	1,5	9,30	100	24	10,0	8,0	●

● Utensile disponibile a magazzino / Items available ex stock

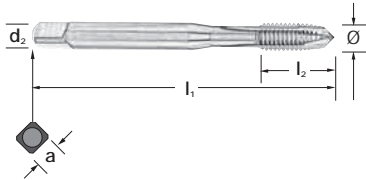
Maschi a macchina a rullare con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13

Cold forming taps with reinforced shank for ISO metric coarse thread as per DIN 13

FORMER PM i



Lubrificazione radiale
radial cooling



Tipo / Type

Former i

Tolleranza
Tolerance

6 HX

Forma/Filetti d'imbocco
Chamfer form / No. of threads

C 2,5-3

Esecuzione elica
Cutting direction



Materiale/Material

HSS-Co-PM

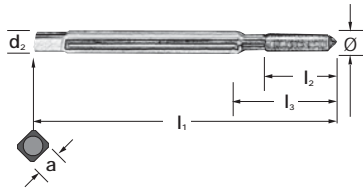
	\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h9	a mm h12	6969 TN
M	5,0	0,80	4,60	70	16	6,0	4,9	●
M	6,0	1,00	5,50	80	19	6,0	4,9	●
M	8,0	1,25	7,40	90	22	8,0	6,2	●
M	10,0	1,50	9,30	100	24	10,0	8,0	●


● Utensile disponibile a magazzino / Items available ex stock

Maschi a rullare in metallo duro integrale con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13 in generale dimensioni come DIN 371

Solid carbide forming taps with reinforced shank made of for ISO metric coarse thread as per DIN 13 dimensions similar to DIN 371

FORMER



Tipo / Type									FORMER
Tolleranza Tolerance									6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2-2,5
Esecuzione elica Cutting direction									
Materiale / Material									K20
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	l_3 mm	d_2 mm h9	a mm h12	6788	
M 4	0,70	3,65	63	13	-	4,5	3,4	●	
M 5	0,80	4,60	70	16	-	6,0	4,9	●	
M 6	1,00	5,50	80	19	-	6,0	4,9	●	
M 8	1,25	7,40	90	18	30	8,0	6,2	●	
M 10	1,50	9,30	100	20	32	10,0	8,0	●	

● Utensile disponibile a magazzino / Items available ex stock

MASCHI MDI - SOLID CARBIDE TAPS

Le caratteristiche richieste oggi agli utensili per filettatura sono la diminuzione dei tempi di lavorazione unite a performance ottimizzate, anche a fronte di sollecitazioni meccaniche e termiche in rapida successione.

Ilx ha studiato una nuova generazione di maschi costruiti con materiali di base evoluti.

Le performance dei maschi ILIX Precision sono studiati per fornire un incremento delle prestazioni e di conseguenza una riduzione dei fermi macchina.

To optimize all aspects of machining under rapidly changing mechanical and thermal stress.

ILIX has pioneered a new generation of threading tools from advanced materials. Their characteristics aim towards higher performance and hereby reduction of machine assignment time.



ILIX COMPLETA LA SUA GAMMA DI MASCHI EVOLUTI CON UN RANGE DI UTENSILI IN QUALITÀ K20
ULTRA FINE CHE PERMETTE UNA MASCHIATURA STABILE E CONTROLLATA
PER OPERAZIONI DI ELEVATA PRECISIONE.

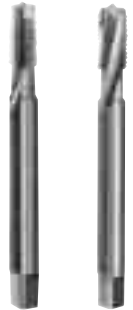
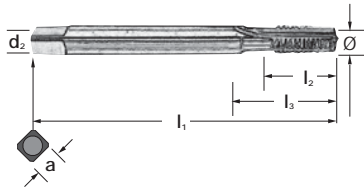
The new high performance taps produced from ultrafine K20 allow stable and controlled threading processes in high precision applications.



Maschi a macchina in metallo duro integrale rullare con gambo rinforzato per Filettatura Metrica ISO Passo Grosso DIN 13 in generale dimensioni come DIN 371

Solid Carbide Machine taps with reinforced shank for ISO metric coarse thread as per DIN 13 dimensions similar to DIN 371

N



Tipo / Type									N	N R/15°
Tolleranza Tolerance									6 HX	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3
Esecuzione elica Cutting direction										
Materiale/Material									K20	K20
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h6	a mm h12		6771	6736
M 3	0,50	2,50	56	10	-	3,5	2,7	●	●	●
M 4	0,70	3,30	63	13	-	4,5	3,4	●	●	●
M 5	0,80	4,20	70	16	-	6,0	4,9	●	●	●
M 6	1,00	5,00	80	19	-	6,0	4,9	●	●	●
M 8	1,25	6,80	90	22	30	8,0	6,2	●	●	●
M 10	1,50	8,50	100	24	32	10,0	8,0	●	●	●

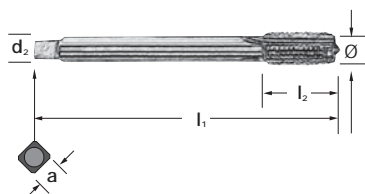
● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina in metallo duro integrale con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13 in generale dimensioni come DIN 376

Solid carbide machine taps with reduced shank

for ISO metric coarse thread as per DIN 13 dimensions similar to DIN 376

N



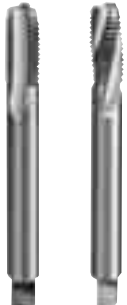
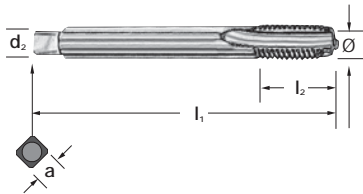
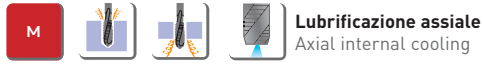
								N	N R/15°	N L/15°
Tolleranza Tolerance								6 HX	6 HX	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	C/2,5-3	C/2,5-3
Esecuzione elica Cutting direction										
Materiale/Material								K20	K20	K20
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a mm h12		6792	6759	6714
M	12	1,75	10,2	110	23	9	7	●	●	●

● Utensile disponibile a magazzino / Items available ex stock

Maschi a macchina in metallo duro integrale con gambo rinforzato e foro di lubrificazione interna da M 6 per Filettatura Metrica ISO Passo Grosso DIN 13 in generale dimensioni come DIN 371

Solid carbide machine taps with reinforced shank with internal cooling from M 6 onwards for ISO metric coarse thread as per DIN 13 dimensions similar to DIN 371

GG i - N i



								GG i	N 15° i
Tipo / Type								6 HX	6 HX
Tolleranza Tolerance								C/2-3	C/2-3
Forma/Filetti d'imbocco Chamfer form / No. of threads									
Esecuzione elica Cutting direction								K20	K20
Materiale/Material								6760	6762
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h6	a mm h12	6760	6762	
M 5	0,80	4,2	70	16	6	4,9	●	●	
M 6	1,00	5,0	80	19	6	4,9	●	●	
M 8	1,25	6,8	90	22	8	6,2	●	●	
M 10	1,50	8,5	100	24	10	8,0	●	●	

● Utensile disponibile a magazzino / Items available ex stock

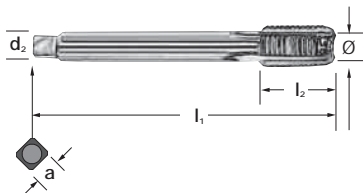
Maschi a macchina in metallo duro integrale con gambo rinforzato e foro di lubrificazione internaper Filettatura Metrica ISO Passo Grosso DIN 13 in generale dimensioni come DIN 376

Solid carbide machine taps with reinforced shank with internal cooling for ISO metric coarse thread as per DIN 13 dimensions similar to DIN 376

GG i - N i



Lubrificazione assiale
Axial internal cooling



								GG i	N 15° i
Tipo / Type									
Tolleranza Tolerance								6 HX	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2-3	C/2-3
Esecuzione elica Cutting direction									
Materiale/Material								K20	K20
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h6	a mm h12	6763	6765	
M	12	1,75	10,2	110	29	9	7	●	●

● Utensile disponibile a magazzino / Items available ex stock

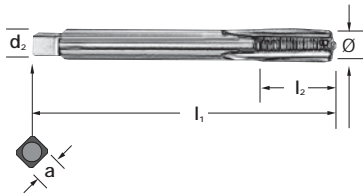
Maschi a macchina in metallo duro integrale con gambo rinforzato e foro di lubrificazione interna per Filettatura Metrica ISO Passo Fine DIN 13 in generale dimensioni come DIN 374

Solid carbide machine taps with reinforced shank with internal cooling from M 6 onwards for ISO metric coarse thread as per DIN 13 dimensions similar to DIN 374

GG i - N i



Lubrificazione assiale
Axial internal cooling



								GG i	N 15° i
Tipo / Type									
Tolleranza Tolerance								6 HX	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2-3	C/2-3
Esecuzione elica Cutting direction									
Materiale/Material								K20	K20
\emptyset mm	Passo Pitch	Preforo Tap drill	l_1 mm	l_2 mm	d_2 mm h6	a mm h12	6766	6767	
M 8	1	7	90	18	8	6,2	●	●	
M 10	1	9	100	18	10	7,0	●	●	

● Utensile disponibile a magazzino / Items available ex stock

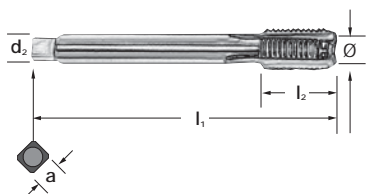
Maschi a macchina in metallo duro integrale con gambo rinforzato e foro di lubrificazione interna per Filettatura Metrica ISO Passo Fine DIN 13 in generale dimensioni come DIN 374

Solid carbide machine taps with reinforced shank with internal cooling from M 6 onwards for ISO metric coarse thread as per DIN 13 dimensions similar to DIN 374

GG i - Ni



Lubrificazione assiale
Axial internal cooling



Tipo / Type								GG i	N 15° i
Tolleranza / Tolerance								6 HX	6 HX
Forma/Filetti d'imbocco / Chamfer form / No. of threads								C/2-3	C/2-3
Esecuzione elica / Cutting direction									
Materiale / Material								K20	K20
Ø mm	Passo / Pitch	Preforo / Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h6	a mm h12	6768	6769	
M 12	1,5	10,5	100	22	9	7	●	●	

● Utensile disponibile a magazzino / Items available ex stock