

Maschi

Taps

ALIX[®]
PRECISION



ALIX[®]
PRECISION





Taps

► **Legenda**

Key to symbols

MATERIALI / TOOL MATERIAL



RIVESTIMENTI / COATING



Lucida
Blank



TiN



TiAlN
Futura



TiCN



Hard Lube



XP TOP



TiNOX

TRATTAMENTI / SURFACE TREATMENT



Vaporizzato
Vaporized



Nitrurato
Nitrided

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



MASCHI A MANO / HAND 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
N							
6615 	M	1 ÷ 68	352	 	6H	0°	C
6608 In cassetta metallica Sets in metal cases with tap drills 		3 ÷ 12					
6609 In cassetta metallica Sets in metal cases with tap drills 		3 ÷ 12					
6618 		3 ÷ 20					
6633  	MF	2 ÷ 52	2181	 	6H	0°	C
6775   		1 ÷ 2					
6776  	UNF	3 ÷ 7/16	2181*	 	2B	0°	C
6603   		1/16 ÷ 2					
6627  	BSP/G	1/16 ÷ 2	5157	 	-	0°	C



MASCHI A MANO / HAND 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	●	●	●	●	○	-	504
-	-		HSS	●	●	●	●	○	-	508
-	-		HSS	●	●	●	●	○	-	509
-	-		HSS	●	●	●	●	○	-	504
-	-		HSS	●	●	●	●	○	-	552
-	-		HSS	●	●	●	●	○	-	569
-	-		HSS	●	●	●	●	○	-	581
-	-		HSS	●	●	●	●	○	-	594
-	-		HSS	●	●	●	●	○	-	598



MASCHI A MANO / HAND 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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VA

6614



M

2
÷
20

352



6HX

0°

C

Ti

6625



M

2
÷
20

352



6HX

0°

C

HSS-C0

MASCHI A MACCHINA CORTI / SHORT MACHINE TAPS

N

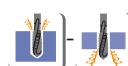
6678



M

2
÷
20

352



6H

0°

C

6659



M

3
÷
20

352



6H

15°

C

6639



M

3
÷
20

352



6H

40°

C

6604



M

3
÷
24

352



6H-6G

40°

C

6899



MF

6
÷
20

2181



6H

0°

C

6656



MF

4
÷
24

2181



6H

15°

C

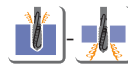
6858



BSP/G

1/16
÷
1-1/2

5157



-

0°

C

6905



BSP/G

1/8
÷
3/4

5157



+0,1

15°

C



MASCHI A MANO / HAND TAPS

RIVESTIMENTO
COATINGLUBRIFICAZIONE
INTERNA
INTERNAL COOLANTDIREZIONE
DI TAGLIO
CUTTING DIRECT.MATERIALE
UTENSILE
TOOL MATERIAL

P

M

K

N

S

H

Pagina
Page

RIVESTIMENTO COATING	LUBRIFICAZIONE INTERNA INTERNAL COOLANT	DIREZIONE DI TAGLIO CUTTING DIRECT.	MATERIALE UTENSILE TOOL MATERIAL	P	M	K	N	S	H	
-	-		HSS-CO	○	●	-	●	●	-	505

-	-		HSS-CO	-	●	-	-	●	-	505
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HSS-CO

MASCHI A MACCHINA CORTI / SHORT MACHINE TAPS

-	-		HSS-Co	●	-	●	-	-	-	510
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-	-		HSS-Co	●	-	●	-	-	-	510
---	---	---	--------	---	---	---	---	---	---	-----

-	-		HSS-Co	●	-	●	-	-	-	510
---	---	---	--------	---	---	---	---	---	---	-----

-	-		HSS-Co	●	-	●	-	-	-	510
---	---	---	--------	---	---	---	---	---	---	-----

-	-		HSS-Co	●	-	●	-	-	-	554
---	---	---	--------	---	---	---	---	---	---	-----

-	-		HSS-Co	●	-	●	-	-	-	554
---	---	---	--------	---	---	---	---	---	---	-----

-	-		HSS-Co	●	-	●	-	-	-	599
---	---	---	--------	---	---	---	---	---	---	-----

-	-		HSS-Co	●	○	●	●	-	-	599
---	---	---	--------	---	---	---	---	---	---	-----



MASCHI A MACCHINA CORTI / SHORT 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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RAPID

6679 	M	2 ÷ 20	352		6H	0°	B
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VA

6648 	M	3 ÷ 16	352		6HX	15°	C
6612 	M	3 ÷ 16	352		6HX	15°	C
6857 	BSP/G	1/16 ÷ 1/2	5157		-	0°	B
6951 	BSP/G	1/16 ÷ 1	5157		-	15°	E

MS

6624 	M	2 ÷ 12	352	 	6H	0°	C
6724 	MF	4 ÷ 12	2181	 	6H	0°	C
6913 	BSP/G	1/16 ÷ 1" 1/2	5157	 	-	0°	E

AZ

6621 	M	3 ÷ 16	352	 	6H	0°	C
6613 	M	3 ÷ 16	352		6H	0°	B

HSS-CO

MASCHI A MACCHINA / MACHINE TAPS

RAPID

6707 	M	2 ÷ 10	371		6H-6G 4H-7G	0°	B
6711 	M	2 ÷ 52	376		6H-6G 7G	0°	B



MASCHI A MACCHINA CORTI / SHORT MACHINE TAPS

RIVESTIMENTO
COATINGLUBRIFICAZIONE
INTERNA
INTERNAL COOLANTDIREZIONE
DI TAGLIO
CUTTING DIRECT.MATERIALE
UTENSILE
TOOL MATERIAL

P

M

K

N

S

H

Pagina
Page

-

-



HSS-Co

●

-

●

-

-

-

510

-

-



HSS-Co

○

●

○

-

○

-

511

-

-



HSS-Co

○

●

○

-

○

-

511

-

-



HSS-Co

○

●

○

-

○

-

600

-

-



HSS-Co

○

●

○

-

○

-

599

-

-



HSS-Co

-

-

○

●

-

-

511

-

-



HSS-Co

-

-

○

●

-

-

554

-

-



HSS-Co

-

-

○

●

-

-

599

-

-



HSS-Co

-

○

-

●

-

-

510

-

-



HSS-Co

-

○

-

●

-

-

510

HSS-CO

MASCHI A MACCHINA / MACHINE TAPS

TN

TC

-



HSS-Co

●

○

○

●

-

-

520

TN

TC

-



HSS-Co

●

○

○

●

-

-

536



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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RAPID

6730 	MF	3 ÷ 52	374		6H	0°	B
6690 	UNC	1 ÷ 3/8	2184/1		2B-3B	0°	B
6693 	UNC	7/16 ÷ 2	2184/1		2B-3B	0°	B
6607 	UNF	1 ÷ 3/8	2184/1		2B-3B	0°	B
6687 	UNF	7/16 ÷ 1 1/2	2184/1		2B-3B	0°	B
6697 	BSW/W	1/8 ÷ 3/8	371*		-	0°	B
6636 	BSW/W	7/16 ÷ 1x8	376*		-	0°	B
6704 	BSP/G	1/16 ÷ 2X11	5156		-	0°	B
6673 	RP	1/16 ÷ 2	5156		-	0°	B
6710 	PG	7 ÷ 48	40 432		-	0°	B

RAPID 2

6640 	M	2 ÷ 10	371		6H-6G	0°	B
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N ■ Taglienti diritti / Straight Flutes

6706 	M	1 ÷ 10	371	 	6H	0°	C
6705 	M	2 ÷ 52	376	 	6H	0°	C
6726 	MF	3 ÷ 52	374	 	6H	0°	C
6823 	UNC	3 ÷ 3/8	2184/1	 	2B	0°	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
TN TC	-		HSS-Co	●	○	○	●	-	-	564
TN	-		HSS-Co	●	○	○	●	-	-	572
-	-		HSS-Co	●	○	○	●	-	-	578
TN	-		HSS-Co	●	○	○	●	-	-	584
-	-		HSS-Co	●	○	○	●	-	-	592
-	-		HSS-Co	●	○	○	●	-	-	595
-	-		HSS-Co	●	○	○	●	-	-	596
TN	-		HSS-Co	●	○	○	●	-	-	604
-	-		HSS-Co	●	○	○	●	-	-	597
-	-		HSS-Co	●	○	○	●	-	-	610
-	-		HSS-Co	●	○	○	●	-	-	521
TN TC	-		HSS-Co	●	-	○	●	-	-	512
TN TC	-		HSS-Co	●	-	○	●	-	-	530
TN TC	-		HSS-Co	●	-	○	●	-	-	556
-	-		HSS-Co	●	-	○	●	-	-	570



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
N ■ Taglienti dritti / Straight Flutes							
6824 	UNC	7/16 ÷ 1	2184/1	 	2B	0°	C
6838 	UNF	1 ÷ 3/8	2184/1	 	2B	0°	C
6839 	UNF	7/16 ÷ 1 1/2	2184/1	 	2B	0°	C
6699 	BSW/W	1/8 ÷ 3/8	371*	 	-	0°	C
6610 	NPT	1/16 ÷ 2x1	2181*	 	-	0°	C
6611 	NPTF	1/16 ÷ 1 1/2	2181*	 	-	0°	C
6915 	PG	7 ÷ 48	40 432	 	-	0°	C
6914 	PG	7 ÷ 36	40 432	 	-	0°	D
6790 	RC	1/8 ÷ 1	5156*	 	-	0°	C
N SX ■ Filettatura sinistra / Left hand thread							
6712 	M	3 ÷ 10	371	 	6H	0°	C
6859 	M	3 ÷ 10	371		6H	0°	B
6861 	M	3 ÷ 10	371		6H	40°	C
6715 	M	12 ÷ 24	376	 	6H	0°	C
6860 	M	12 ÷ 20	376		6H	0°	B
6862 	M	12 ÷ 20	376		6H	40°	C
6863 	MF	8 ÷ 20	374		6H	0°	B



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	●	-	○	●	-	-	576
-	-		HSS-Co	●	-	○	●	-	-	582
-	-		HSS-Co	●	-	○	●	-	-	588
-	-		HSS-Co	●	-	○	●	-	-	595
-	-		HSS-Co	●	-	○	●	-	-	607
-	-		HSS-Co	●	-	○	●	-	-	607
-	-		HSS-Co	●	-	○	●	-	-	610
-	-		HSS-Co	●	-	○	●	-	-	611
-	-		HSS-Co	●	-	○	●	-	-	606
-	-		HSS-Co	●	○	○	●	-	-	512
-	-		HSS-Co	●	○	○	●	-	-	521
-	-		HSS-Co	●	○	○	●	-	-	515
-	-		HSS-Co	●	○	○	●	-	-	530
-	-		HSS-Co	●	○	○	●	-	-	537
-	-		HSS-Co	●	○	○	●	-	-	531
-	-		HSS-Co	●	○	○	●	-	-	564



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
N SX ■ Filettatura sinistra / Left hand thread							
6864 	MF	8 ÷ 20	374		6H	40°	C
NL ■ 15° Elica sinistra filetto destro / 15° left flute right hand thread							
6727 	M	3 ÷ 10	371		6H	15°	D
6740 	M	12 ÷ 20	376		6H	15°	B
6741 	MF	8 ÷ 20	374		6H	15°	B
N 15°							
6657 	M	2 ÷ 10	371		6H-6G	15°	C
6902 	M	3 ÷ 10	371		6H+0,1	15°	C
6658 	M	8 ÷ 30	376		6H	15°	C
6903 	M	12 ÷ 20	376		6H+0,1	15°	C
6664 	MF	8 ÷ 30	374		6H	15°	C
6904 	MF	16 ÷ 24	374		6H+0,1	15°	E
6696 	UNC	nr. 3 ÷ 3/8	2184/1		2B	15°	C
6728 	UNC	7/16 ÷ 1x8	2184/1		2B	15°	C
6719 	UNF	nr. 5 ÷ 3/8	2184/1		2B	15°	C
6729 	UNF	7/16 ÷ 1x12	2184/1		2B	15°	C
6665 	BSP/G	1/16 ÷ 1x11	5156		-	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
-	-		HSS-Co	●	○	○	●	-	-	557
-	-		HSS-Co	●	○	○	●	-	-	523
-	-		HSS-Co	●	○	○	●	-	-	538
-	-		HSS-Co	●	○	○	●	-	-	564
TN TC	-		HSS-Co	●	○	●	●	-	-	513
-	-		HSS-Co	●	○	●	●	-	-	513
TN TC	-		HSS-Co	●	○	●	●	-	-	530
-	-		HSS-Co	●	○	●	●	-	-	530
TN TC	-		HSS-Co	●	○	●	●	-	-	556
-	-		HSS-Co	●	○	●	●	-	-	557
-	-		HSS-Co	●	○	●	●	-	-	570
-	-		HSS-Co	●	○	●	●	-	-	576
-	-		HSS-Co	●	○	●	●	-	-	582
-	-		HSS-Co	●	○	●	●	-	-	588
-	-		HSS-Co	●	○	●	●	-	-	601



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
N 15°							
6675 	RP	1/8 ÷ 1	5156		-	15°	C
N 40°							
6644 	M	2 ÷ 10	371		6H-6G 7G	40°	C
6867 	M	3 ÷ 10	371		6H	40°	E
6638 	M	3 ÷ 36	376		6H-6G 7G	40°	C
6868 	M	12 ÷ 20	376		6H	40°	E
6652 	MF	3 ÷ 30	374		6H	40°	C
6877 	MF	6 ÷ 20	374		6H	40°	E
6691 	UNC	2 ÷ 3/8	2184/1		2B-3B	40°	C
6694 	UNC	7/16 ÷ 1x8	2184/1		2B-3B	40°	C
6680 	UNF	5 ÷ 3/8	2184/1		2B-3B	40°	C
6688 	UNF	7/16 ÷ 1	2184/1		2B-3B	40°	C
6836 	BSW/W	1/8 ÷ 1 3/8	371*		-	40°	C
6837 	BSW/W	7/16 ÷ 1	376*		-	40°	C
6703 	BSP/G	1/16 ÷ 1	5156		-	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
-	-		HSS-Co	●	○	●	●	-	-	597
TN TC	-		HSS-Co	●	○	●	●	-	-	514
-	-		HSS-Co	●	○	●	●	-	-	515
TN TC	-		HSS-Co	●	○	●	●	-	-	531
-	-		HSS-Co	●	○	●	●	-	-	531
TN TC	-		HSS-Co	●	○	●	●	-	-	557
-	-		HSS-Co	●	○	●	●	-	-	557
TN	-		HSS-Co	●	○	●	●	-	-	570
-	-		HSS-Co	●	○	●	●	-	-	576
TN	-		HSS-Co	●	○	●	●	-	-	582
-	-		HSS-Co	●	○	●	●	-	-	588
-	-		HSS-Co	●	○	●	●	-	-	595
-	-		HSS-Co	●	○	●	●	-	-	596
TN	-		HSS-Co	●	○	●	●	-	-	601



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
VA							
6646 NEW	M	2 ÷ 10	371		6HX-6GX	0°	B
6654 NEW	M	2 ÷ 10	371		6HX	15°	C
6661 NEW	M	2 ÷ 10	371		6HX-6GX	35°	C
6647 NEW	M	12 ÷ 24	376		6HX-6GX	0°	B
6634	M	12 ÷ 24	376		6HX	15°	C
6662 NEW	M	12 ÷ 24	376		6HX-6GX	35°	C
6663 NEW	MF	8 ÷ 30	374		6HX-6GX	0°	B
6671	MF	8 ÷ 30	374		6HX	15°	C
6655 NEW	MF	8 ÷ 30	374		6HX-6GX	35°	C
6739 NEW	UNC	nr. 2 ÷ 3/8	2184/1		2BX	0°	B
6735 NEW	UNC	nr. 6 ÷ 3/8	2184/1		2BX	35°	C
6749	UNC	1/2 ÷ 1	2184/1		2BX	0°	B
6754	UNC	1/2 ÷ 1	2184/1		2BX	35°	C
6718	UNF	nr. 2 ÷ 3/8	2184/1		2BX	0°	B
6794	UNF	10x32 ÷ 3/8	2184/1		2BX	35°	C
6797	UNF	7/16 ÷ 3/4	2184/1		2BX	0°	B
6796	UNF	7/16 ÷ 3/4	2184/1		2BX	35°	C
6945 NEW	UN-8	1 1/8 ÷ 1 1/2	2184/1		2BX	35°	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
TN TX XP	-		HSS-Co	○	●	○	●	○	-	524
XP	-		HSS-Co	○	●	○	●	○	-	516
TN TX XP	-		HSS-Co	○	●	○	●	○	-	517
XP	-		HSS-Co	○	●	○	●	○	-	538
-	-		HSS-Co	○	●	○	●	○	-	532
TX XP	-		HSS-Co	○	●	○	●	○	-	533
TN XP	-		HSS-Co	○	●	○	●	○	-	565
-	-		HSS-Co	○	●	○	●	○	-	560
XP	-		HSS-Co	○	●	○	●	○	-	560
XP	-		HSS-Co	○	●	○	●	○	-	573
XP	-		HSS-Co	○	●	○	●	○	-	571
-	-		HSS-Co	○	●	○	●	○	-	578
-	-		HSS-Co	○	●	○	●	○	-	577
-	-		HSS-Co	○	●	○	●	○	-	585
-	-		HSS-Co	○	●	○	●	○	-	583
-	-		HSS-Co	○	●	○	●	○	-	592
-	-		HSS-Co	○	●	○	●	○	-	589
-	-		HSS-Co	○	●	○	●	○	-	590



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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VA

6700 NEW XP	BSP/G	1/16 ÷ 1	5156		-	0°	B
6716	BSP/G	1/16 ÷ 1	5156		-	15°	C
6701 NEW XP	BSP/G	1/16 ÷ 1	5156		-	35°	C

VA i 15° ■ Con fori di lubrificazione interna / With internal coolant

6620 NEW XP	M	6 ÷ 10	371		6HX	15°	C
6605 NEW XP	M	12 ÷ 20	376		6HX	15°	C
6626 NEW XP	M	8 ÷ 20	374		6HX	15°	C

VR 50°

6850	M	2 ÷ 10	371		6HX	50°	C
6851	M	12 ÷ 24	376		6HX	50°	C
6852	UNC	nr. 6 ÷ 3/8	2181-1		2BX	50°	C
6853	UNC	1/2 ÷ 1	2181-1		2BX	50°	C
6854	UNF	nr. 10 ÷ 3/8	2181-1		2BX	50°	C
6855	UNF	7/16 ÷ 3/4	2181-1		2BX	50°	C
6856	BSP/G	1/16 ÷ 1	5156		-	50°	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
XP	-		HSS-Co	○	●	○	●	○	-	605
-	-		HSS-Co	○	●	○	●	○	-	602
XP	-		HSS-Co	○	●	○	●	○	-	602
XP	-		HSS-Co	○	●	○	●	○	-	516
XP	-		HSS-Co	○	●	○	●	○	-	532
XP	-		HSS-Co	○	●	○	●	○	-	560
TN	-		HSS-Co	○	●	-	○	-	-	517
TN	-		HSS-Co	○	●	-	○	-	-	533
-	-		HSS-Co	○	●	-	○	-	-	571
-	-		HSS-Co	○	●	-	○	-	-	577
-	-		HSS-Co	○	●	-	○	-	-	583
-	-		HSS-Co	○	●	-	○	-	-	589
-	-		HSS-Co	○	●	-	○	-	-	602



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
HD							
6870 	M	2 ÷ 10	371		6H	0°	B
6878 	M	3 ÷ 10	371		6H	15°	C
6666 	M	3 ÷ 10	371		4H-6H-6G	40°	C
6871 	M	12 ÷ 30	376		6H	0°	B
6879 	M	12 ÷ 30	376		6H	15°	C
6667 	M	3 ÷ 20	376		6H	40°	C
6872 	MF	6 ÷ 24	374		6H	0°	B
6880 	MF	6 ÷ 24	374		6H	15°	C
6873 	UNC	nr. 2 ÷ 3/8	2184/1		2B	0°	B
6865 	UNC	nr. 3 ÷ 3/8	2184/1		2B	15°	C
6874 	UNC	7/16 ÷ 1x8	2184/1		2B	0°	B
6866 	UNC	7/16 ÷ 1x8	2184/1		2B	15°	C
6875 	UNF	nr. 2 ÷ 3/8	2184/1		2B	0°	B
6848 	UNF	nr. 5 ÷ 3/8	2184/1		2B	15°	C
6876 	UNF	7/16 ÷ 1	2184/1		2B	0°	B
6849 	UNF	7/16 ÷ 1	2184/1		2B	15°	C
6912 	BSP/G	1/16 ÷ 2	5156	 	-	0°	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
TN TF	-		HSS-Co	●	-	●	-	-	-	525
HL	-		HSS-Co	●	-	●	-	-	○	513
TN TF	-		HSS-Co	●	-	●	-	-	-	519
TN TF	-		HSS-Co	●	-	●	-	-	-	539
HL	-		HSS-Co	●	-	●	-	-	○	535
TN TF	-		HSS-Co	●	-	●	-	-	-	535
TN	-		HSS-Co	●	-	●	-	-	-	565
HL	-		HSS-Co	●	-	●	-	-	○	561
-	-		HSS-Co	●	-	●	-	-	-	572
-	-		HSS-Co	●	-	●	-	-	-	571
-	-		HSS-Co	●	-	●	-	-	-	578
-	-		HSS-Co	●	-	●	-	-	-	577
-	-		HSS-Co	●	-	●	-	-	-	585
-	-		HSS-Co	●	-	●	-	-	-	583
-	-		HSS-Co	●	-	●	-	-	-	592
-	-		HSS-Co	●	-	●	-	-	-	589
TN	-		HSS-Co	●	-	●	-	-	-	601



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
HD							
6917 	NPT	1/16 ÷ 1/4	371	 	-	0°	C
6918 	NPT	3/8 ÷ 1 1/2	376	 	-	0°	C
6923 	NPTF	1/16 ÷ 1/4	371	 	-	0°	C
6924 	NPTF	3/8 ÷ 1 1/2	374	 	-	0°	C
HR							
6681 	M	3 ÷ 10	371		6H	40°	C
6689 	M	12 ÷ 20	376		6H	40°	C
GG							
6631 	M	3 ÷ 10	371	 	6HX	0°	C
6632 	M	6 ÷ 30	376	 	6HX	0°	C
6653 	MF	8 ÷ 30	374	 	6HX	0°	C
6708 	BSP/G	1/16 ÷ 2	5157	 	-	0°	C
6674 	RP	1/8 ÷ 2	5156	 	-	0°	C
GG i							
6629 	M	5 ÷ 10	371	 	6HX	0°	C
6637 	M	12 ÷ 20	376	 	6HX	0°	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
TN	-		HSS-Co	●	-	●	-	-	-	608
-	-		HSS-Co	●	-	●	-	-	-	609
-	-		HSS-Co	●	-	●	-	-	-	608
-	-		HSS-Co	●	-	●	-	-	-	609
TF	-		HSS-Co	●	-	○	-	-	-	519
TF	-		HSS-Co	●	-	○	-	-	-	535
TF	-		HSS-Co	-	-	●	○	-	-	518
TF	-		HSS-Co	-	-	●	○	-	-	534
-	-		HSS-Co	-	-	●	○	-	-	561
TF	-		HSS-Co	-	-	●	○	-	-	603
-	-		HSS-Co	-	-	●	○	-	-	597
TC			HSS-Co	-	-	●	○	-	-	518
TC			HSS-Co	-	-	●	○	-	-	534



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
AZ							
	M	2 ÷ 10	371		6H	0°	C
	M	2 ÷ 10	371		6H	0°	B
	M	6 ÷ 24	376		6H	0°	C
	M	12 ÷ 20	376		6H	0°	B
	NPT	1/16 ÷ 2	371		-	0°	C
	NPT	1/16 ÷ 1/4	371		-	0°	C
	NPT	3/8 ÷ 1 1/2	376		-	0°	C
	NPT	1/16 ÷ 1/4	371		-	35°	C
	NPT	3/8 ÷ 1 1/2	376		-	35°	C
	NPTF	1/16 ÷ 1/4	374		-	35°	C
	NPTF	3/8 ÷ 1 1/2	374		-	35°	C

ALU

6641		M	$2 \div 10$	371		6H	0°	B
6643		M	$2 \div 10$	371		6H	45°	C
6642		M	$12 \div 20$	376		6H	0°	B
6651		M	$12 \div 20$	376		6HX	45°	C
6731		MF	$8 \div 20$	374		6H	45°	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	○	-	-	●	-	-	513
-	-		HSS-Co	○	-	-	●	-	-	523
-	-		HSS-Co	○	-	-	●	-	-	530
-	-		HSS-Co	○	-	-	●	-	-	538
-	-		HSS-Co	○	-	-	●	-	-	607
-	-		HSS-Co	○	-	-	●	-	-	608
-	-		HSS-Co	○	-	-	●	-	-	609
TN	-		HSS-Co	○	-	-	●	-	-	608
-	-		HSS-Co	○	-	-	●	-	-	609
-	-		HSS-Co	○	-	-	●	-	-	608
-	-		HSS-Co	○	-	-	●	-	-	609
-	-		HSS-Co	-	-	-	●	-	-	525
-	-		HSS-Co	-	-	-	●	-	-	518
-	-		HSS-Co	-	-	-	●	-	-	539
-	-		HSS-Co	-	-	-	●	-	-	534
-	-		HSS-Co	-	-	-	●	-	-	561



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
ALU							
6732 	UNC	nr. 4 ÷ 3/8	2184/1		2B	45°	C
6733 	UNC	1/2	2184/1		2B	45°	C
6628 	UNF	nr. 10 ÷ 3/8	2184/1		2B	45°	C
6734 	UNF	1/2	2184/1		2B	45°	C
BAK							
6670 	M	2 ÷ 10	371	 	6HX	0°	E
ULTRA							
6606 	M	1 ÷ 10	371		6HX-6GX	0°	B
6737 	UNC	nr. 1 ÷ 3/8	2184/1		2B	0°	B
ULTRA S							
6649 	M	2 ÷ 10	371		6HX-6GX	0°	B
EGM							
6908 	M	3 ÷ 8	8140/371		6H	0°	B
6910 	M	3 ÷ 8	8140/371		6H	40°	C
6909 	M	10 ÷ 16	8140/376		6H	0°	B
6911 	M	10 ÷ 16	8140/376		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
-	-		HSS-Co	-	-	-	●	-	-	571
-	-		HSS-Co	-	-	-	●	-	-	577
-	-		HSS-Co	-	-	-	●	-	-	583
-	-		HSS-Co	-	-	-	●	-	-	589
-	-		HSS-Co	-	-	-	●	-	-	518
-	-		HSS-Co	○	-	-	●	-	-	522
-	-		HSS-Co	○	-	-	●	-	-	572
TN	-		HSS-Co	○	-	-	●	-	-	522
-	-		HSS-Co	●	○	○	●	-	-	613
-	-		HSS-Co	●	○	○	●	-	-	612
-	-		HSS-Co	●	○	○	●	-	-	615
-	-		HSS-Co	●	○	○	●	-	-	614



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
6722 	M	1 ÷ 10	371	 	6HX	-	C
6622 	M	2 ÷ 10	371	 	6GX	-	C
6723 	M	12 ÷ 16	376	 	6HX	-	C
6623 	M	12 ÷ 16	376	 	6GX	-	C
6721 	MF	8 ÷ 16	374	 	6HX-6GX	-	C
6738 	UNC	nr. 2 ÷ 3/8	2184/1	 	2BX	-	C
6747 	UNF	nr. 4 ÷ 3/8	2184/1	 	2BX	-	C
6702 	BSP/G	1/16 ÷ 1/2	5156	 	-	-	B

FORMER S ■ Con canalini di lubrificazione/ Coolant groove

6709 	M	3 ÷ 10	371	 	6HX	-	C
6808 	M	3 ÷ 10	371	 	6GX	-	C
6819 	M	6 ÷ 10	371	 	7GX	-	C
6725 	M	12 ÷ 16	376	 	6HX	-	C
6809 	M	12 ÷ 16	376	 	6GX	-	C
6720 	MF	8 ÷ 16	374	 	6HX-6GX	-	C
6802 	UNC	nr. 5 ÷ 3/8	2184/1	 	2BX	-	C
6811 	UNC	7/16 ÷ 1/2	2184/1	 	2BX	-	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
TN TF TX	-		HSS-Co	●	○	-	●	-	-	526
TN TF TX	-		HSS-Co	●	○	-	●	-	-	526
TN TF TX	-		HSS-Co	●	○	-	●	-	-	540
TN TF TX	-		HSS-Co	●	○	-	●	-	-	540
-	-		HSS-Co	●	○	-	●	-	-	568
-	-		HSS-Co	●	○	-	●	-	-	575
-	-		HSS-Co	●	○	-	●	-	-	587
-	-		HSS-Co	●	○	-	●	-	-	605
TN TF TX	-		HSS-Co	●	○	-	●	-	-	528
TN TF TX	-		HSS-Co	●	○	-	●	-	-	528
-	-		HSS-Co	●	○	-	●	-	-	529
TN TF TX	-		HSS-Co	●	○	-	●	-	-	542
TN TF TX	-		HSS-Co	●	○	-	●	-	-	542
-	-		HSS-Co	●	○	-	●	-	-	568
-	-		HSS-Co	●	○	-	●	-	-	575
-	-		HSS-Co	●	○	-	●	-	-	579



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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FORMER S ■ Con canalini di lubrificazione/ Coolant groove

6815 	UNF	nr. 4 ÷ 3/8	2184/1	 	2BX	-	C
6816 	UNF	7/16 ÷ 5/8	2184/1	 	2BX	-	C
6818 	BSP/G	1/16 ÷ 1/2	5156	 	-	-	C

GAMBO LUNGO / Long shank

6672 	M	3 ÷ 14	ILIX NORM		6H	0°	B
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GAMBO prolungato / Extra long shank

6692 	M	3 ÷ 6	ILIX NORM		6H	0°	B
6695 	M	8 ÷ 20	ILIX NORM		6H	0°	B

Per dadi / Nut Tap

6660 	M	3 ÷ 30	357		6H	0°	A
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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
-	-		HSS-Co	●	○	-	●	-	-	587
-	-		HSS-Co	●	○	-	●	-	-	593
-	-		HSS-Co	●	○	-	●	-	-	605
-	-		HSS-Co	●	○	○	●	-	-	544
-	-		HSS-Co	●	○	○	●	-	-	546
-	-		HSS-Co	●	○	○	●	-	-	547
-	-		HSS-Co	●	○	○	●	-	-	545



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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Extra lunghi / Extra long shank

6842		M	3 ÷ 6	ILIX NORM		6H	0°	B
6840		M	3 ÷ 6	ILIX NORM		6H	40°	C
6843		M	8 ÷ 20	ILIX NORM		6H	0°	B
6841		M	8 ÷ 20	ILIX NORM		6H	40°	C

TR ■ Trapeizodali / Trapezoidal

6938		TR	10 ÷ 36	ILIX NORM	 	7H	0°	-
6939		TR	10 ÷ 36	ILIX NORM	 	7H	0°	-
6937		TR	10 ÷ 30	ILIX NORM	 	7H	0°	C

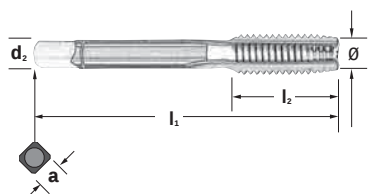
MASCHI A MACCHINA / MACHINE TAPS

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Maschi a mano in serie di 3 pezzi composta da sbozzatore, intermedio, finitore per Filettatura Metrica ISO, Passo Grosso DIN 13

Hand taps, serial in set of 3 pieces
for ISO metric coarse thread as per DIN 13



Tipo / Type								N	N	N	N	N	N
Tolleranza Tolerance								6 H	6 H	6 H	6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								A/5-6	D/3-4	C/2,5-3	A/5-6	D/3-4	C/2,5-3
Direzione di taglio Cutting direction													
Materiale/Material								HSS	HSS	HSS	HSS	HSS	HSS
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9**	a h12		6615 P	6615 S	6615 T	6618 P	6618 S	6618 T
								pezzo single tap	serie set		pezzo single tap	serie set	
M 1,0	0,25	0,75	32	5,5	2,5	2,1		●	●		-	-	
M 1,1	0,25	0,85	32	5,5	2,5	2,1		●	●		-	-	
M 1,2	0,25	0,95	32	5,5	2,5	2,1		●	●		-	-	
M 1,4	0,30	1,10	32	7,0	2,5	2,1		●	●		-	-	
M 1,6	0,35	1,25	32	8,0	2,5	2,1		●	●		-	-	
M 1,7*	0,35	1,30	32	8,0	2,5	2,1		●	●		-	-	
M 1,8	0,35	1,45	32	8,0	2,5	2,1		●	●		-	-	
M 2,0	0,40	1,60	36	8,0	2,8	2,1		●	●		-	-	
M 2,2	0,45	1,75	36	9,0	2,8	2,1		●	●		-	-	
M 2,3*	0,40	1,90	36	9,0	2,8	2,1		●	●		-	-	
M 2,5	0,45	2,05	40	9,0	2,8	2,1		●	●		-	-	
M 2,6*	0,45	2,10	40	9,0	2,8	2,1		●	●		-	-	
M 3,0	0,50	2,50	40	11,0	3,5	2,7		●	●		●	●	
M 3,0*	0,60	2,40	40	11,0	3,5	2,7		●	●		-	-	
M 3,5	0,60	2,90	45	13,0	4,0	3,0		●	●		●	●	
M 4,0	0,70	3,30	45	13,0	4,5	3,4		●	●		●	●	
M 4*	0,75	3,25	45	13,0	4,5	3,4		●	-		-	-	
M 4,5	0,75	3,70	50	16,0	6,0	4,9		●	●		-	-	
M 5,0	0,80	4,20	50	16,0	6,0	4,9		●	-		●	●	
M 5*	0,90	4,10	50	16,0	6,0	4,9		●	●		-	-	
M 6,0	1,00	5,00	50	19,0	6,0	4,9		●	●		●	●	
M 7,0	1,00	6,00	50	19,0	6,0	4,9		●	●		●	●	
M 8,0	1,25	6,80	56	22,0	6,0	4,9		●	●		●	●	

N: Impiego tradizionale
universal application

* Misura non in standard ISO / These sizes are not ISO standard.

** La tolleranza del gambo per il 1° e 2° maschio è h 12 / Shank tolerance of 1st and 2nd tap h 12

● Utensile disponibile a magazzino / Items available ex stock



**Maschi a mano in serie di 3 pezzi
composta da sbozzatore, intermedio, finitore per
Filettatura Metrica ISO, Passo Grosso DIN 13**

Hand taps, serial in set of 3 pieces
for ISO metric coarse thread as per DIN 13



VA	VA	VA	Ti	Ti	Ti	Tipo / Type		
6 HX	6 HX	6 HX	HX	HX	6 HX	Tolleranza Tolerance		
A/5-6	D/3-4	C/2,5-3	A/5-6	D/3-4	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads		
						Direzione di taglio Cutting direction		
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material		
6614 P	6614 S	6614 T	6625 P	6625 S	6625 T	Ø mm	Passo Pitch	Preforo Tap drill
pezzo single tap	serie set	pezzo single tap	serie set					
-	-	-	-			M 1,0	0,25	0,75
-	-	-	-			M 1,1	0,25	0,85
-	-	-	-			M 1,2	0,25	0,95
-	-	-	-			M 1,4	0,30	1,10
-	-	-	-			M 1,6	0,35	1,25
-	-	-	-			M 1,7*	0,35	1,30
-	-	-	-			M 1,8	0,35	1,45
●	●	●	●			M 2,0	0,40	1,60
●	●	●	●			M 2,2	0,45	1,75
●	●	●	●			M 2,3*	0,40	1,90
●	●	●	●			M 2,5	0,45	2,05
●	●	■	●	■		M 2,6*	0,45	2,10
●	●	●	●	●		M 3,0	0,50	2,50
-	■	●	●	-		M 3*	0,60	2,40
●	●	●	●	●		M 3,5	0,60	2,90
●	●	●	●	●		M 4,0	0,70	3,30
-	-	-	-	-		M 4*	0,75	3,25
-	-	-	-	-		M 4,5	0,75	3,70
●	●	●	●	●		M 5,0	0,80	4,20
■	-	●	●	●		M 5*	0,90	4,10
●	●	-	●	●		M 6,0	1,00	5,00
●	●	●	●	●		M 7,0	1,00	6,00
●	●	●	●	●		M 8,0	1,25	6,80

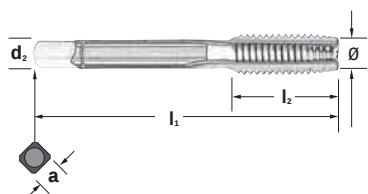
VA: per acciaio inossidabile
for stainless steel

Ti: per leghe di titanio
for titanium alloys



Maschi a mano in serie di 3 pezzi composta da sbozzatore, intermedio, finitore per Filettatura Metrica ISO, Passo Grosso DIN 13

Hand taps, serial in set of 3 pieces
for ISO metric coarse thread as per DIN 13



Tipo / Type								N	N	N	N	N	N
Tolleranza Tolerance								6 H	6 H	6 H	6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								A/5-6	D/3-4	C/2,5-3	A/5-6	D/3-4	C/2,5-3
Direzione di taglio Cutting direction													
Materiale/Material								HSS	HSS	HSS	HSS	HSS	HSS
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9**	a h12		6615 P	6615 S	6615 T	6618 P	6618 S	6618 T
								pezzo single tap	serie set	pezzo single tap	serie set	pezzo single tap	serie set
M 9	1,25	7,8	63	22	7	5,5		●	●	-	-		
M 10	1,50	8,5	70	24	7	6,2		●	●	●	●		
M 11	1,50	9,5	70	24	8	5,5		●	●	-	-		
M 12	1,75	10,2	75	29	9	7,0		●	●	●	●		
M 14	2,00	12,0	80	30	11	9,0		●	●	●	●		
M 16	2,00	14,0	80	32	12	9,0		●	●	●	●		
M 18	2,50	15,5	95	40	14	11,0		●	●	●	●		
M 20	2,50	17,5	95	40	16	12,0		●	●	●	●		
M 22	2,50	19,5	100	40	18	14,5		●	●	-	-		
M 24	3,00	21,0	110	50	18	14,5		●	●	-	-		
M 27	3,00	24,0	110	50	20	16,0		●	●	-	-		
M 30	3,50	26,5	125	56	22	18,0		●	●	-	-		
M 33	3,50	29,5	125	56	25	20,0		●	●	-	-		
M 36	4,00	32,0	150	63	28	22,0		●	●	-	-		
M 39	4,00	35,0	150	63	32	24,0		●	●	-	-		
M 42	4,50	37,5	150	63	32	24,0		●	●	-	-		
M 45	4,50	40,5	160	70	36	29,0		●	●	-	-		
M 48	5,00	43,0	180	75	36	29,0		●	●	-	-		
M 52	5,00	47,0	180	75	40	32,0		●	●	-	-		
M 56	5,50	50,5	200	85	45	35,0		●	●	-	-		
M 60	5,50	54,5	200	85	45	35,0		●	●	-	-		
M 64	6,00	58,0	220	90	50	39,0		●	●	-	-		
M 68	6,00	62,0	220	90	50	29,0		●	●	-	-		

N: Impiego tradizionale
universal application

** La tolleranza del gambo per il 1° e 2° maschio è h 12 / Shank tolerance of 1st and 2nd tap h 12

● Utensile disponibile a magazzino / Items available ex stock



**Maschi a mano in serie di 3 pezzi
composta da sbozzatore, intermedio, finitore per
Filettatura Metrica ISO, Passo Grosso DIN 13**

Hand taps, serial in set of 3 pieces
for ISO metric coarse thread as per DIN 13



VA	VA	VA	Ti	Ti	Ti	Tipo / Type			
6 HX	6 HX	6 HX	HX	HX	6 HX	Tolleranza Tolerance			
A/5-6	D/3-4	C/2,5-3	A/5-6	D/3-4	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads			
						Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6614 P	6614 S	6614 T	6625 P	6625 S	6625 T	Ø mm	Passo Pitch	Preforo Tap drill	
pezzo single tap	serie set	pezzo single tap	serie set						
-	-	-	-			M 9	1,25	7,8	
●	●	●	●			M 10	1,50	8,5	
-	-	-	-			M 11	1,50	9,5	
●	●	●	●			M 12	1,75	10,2	
●	●	●	●			M 14	2,00	12,0	
●	●	●	●			M 16	2,00	14,0	
●	●	●	●			M 18	2,50	15,5	
●	●	●	●			M 20	2,50	17,5	
-	-	-	-			M 22	2,50	19,5	
-	-	-	-			M 24	3,00	21,0	
-	-	-	-			M 27	3,00	24,0	
-	-	-	-			M 30	3,50	26,5	
-	-	-	-			M 33	3,50	29,5	
-	-	-	-			M 36	4,00	32,0	
-	-	-	-			M 39	4,00	35,0	
-	-	-	-			M 42	4,50	37,5	
-	-	-	-			M 45	4,50	40,5	
-	-	-	-			M 48	5,00	43,0	
-	-	-	-			M 52	5,00	47,0	
-	-	-	-			M 56	5,50	50,5	
-	-	-	-			M 60	5,50	54,5	
-	-	-	-			M 64	6,00	58,0	
-	-	-	-			M 68	6,00	62,0	

VA: per acciaio inossidabile
for stainless steel

Ti: per leghe di titanio
for titanium alloys



Hand taps, serial, in set of 3 pieces in metal cases for ISO metric coarse thread as per DIN 13



M

● Utensile disponibile a magazzino / Items available ex stock



Hand taps, serial, in set of 3 pieces and drills for tap drill hole acc. to DIN 338, in metal cases for ISO metric coarse thread as per DIN 13



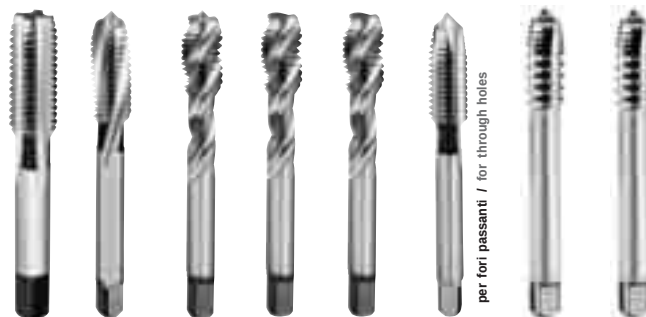
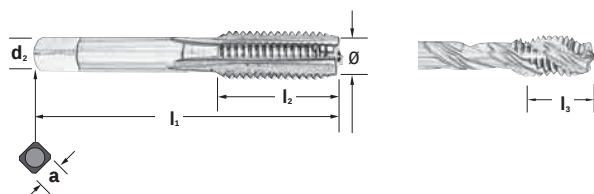
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✓ Su richiesta / Upon request



Maschi a macchina corti
per Filettatura Metrica ISO Passo Grosso DIN 13
 Short machine taps
 for ISO metric coarse thread as per DIN 13



per fori passanti / for through holes

Tipo / Type									N	N 15°	N 40°	N 40°	N 40°	Rapid	AZ	AZ
Tolleranza Tolerance									6 H	6 H	6 H	6 H	6 G	6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	E/1,5-2	E/1,5-2	B/4-5	B/4-5	C/2,5-3
Direzione di taglio Cutting direction																
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6678	6659	6639	6604	6604 6G	6679	6613	6621
M 2,0	0,40	1,60	36	8	-	2,8	2,1		●	-	-	-	-	●	-	-
M 2,2	0,45	1,75	36	9	-	2,8	2,1		●	-	-	-	-	●	-	-
M 2,3*	0,40	1,90	36	9	-	2,8	2,1		●	-	-	-	-	●	-	-
M 2,5	0,45	2,05	40	9	-	2,8	2,1		●	-	-	-	-	●	-	-
M 2,6*	0,45	2,10	40	9	-	2,8	2,1		●	-	-	-	-	●	-	-
M 3,0	0,50	2,50	40	11	5	3,5	2,7		●	●	●	●	●	●	●	●
M 3,5	0,60	2,90	45	13	6	4,0	3,0		●	●	●	-	-	●	-	-
M 4,0	0,70	3,30	45	13	7	4,5	3,4		●	●	●	●	●	●	●	●
M 5,0	0,80	4,20	50	16	8	6,0	4,9		●	●	●	●	●	●	●	●
M 6,0	1,00	5,00	50	19	10	6,0	4,9		●	●	●	●	●	●	●	●
M 7,0	1,00	6,00	50	19	10	6,0	4,9		-	●	●	-	-	●	-	-
M 8,0	1,25	6,80	56	22	12	6,0	4,9		●	●	●	●	●	●	●	●
M 10,0	1,50	8,50	70	24	14	7,0	5,5		●	●	●	●	●	●	●	●
M 12,0	1,75	10,20	75	29	16	9,0	7,0		●	●	●	●	●	●	●	●
M 14,0	2,00	12,00	80	30	20	11,0	9,0		●	●	●	-	-	●	-	-
M 16,0	2,00	14,00	80	32	20	12,0	9,0		●	●	●	●	●	●	●	●
M 18,0	2,50	15,50	95	40	25	14,0	11,0		●	●	●	-	-	●	-	-
M 20,0	2,50	17,50	95	40	25	16,0	12,0		●	●	●	●	●	●	-	-
M 24,0	3,00	21,00	110	38	30	18,0	14,5		-	-	-	●	●	-	-	-

N: normale
universal application

N15/40°: 15°/40° normale
15°/40° right hand helix

Rapid: impiego tradizionale
universal application

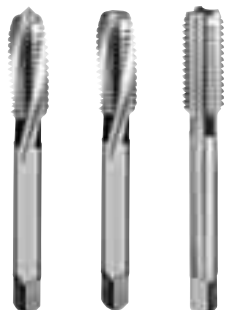
AZ: con denti alternati
interrupted threads

* Misura non in standard ISO / These sizes are not ISO standard.

● Utensile disponibile a magazzino / Items available ex stock



Maschi a macchina corti
per Filettatura Metrica ISO Passo Grosso DIN 13
 Short machine taps
 for ISO metric coarse thread as per DIN 13



VA 15°	VA 15°	MS	Tipo / Type			
6 HX	6 HX	6H	Tolleranza Tolerance			
C/2,5-3	E/1,5-2	E/1,5-2	Forma/Filetti d'imbocco Chamfer form / No. of threads			
			Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6648	6612	6624	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	●	M 2,0	0,40	1,60	
-	-	●	M 2,2	0,45	1,75	
-	-	●	M 2,3*	0,40	1,90	
-	-	●	M 2,5	0,45	2,05	
-	-	●	M 2,6*	0,45	2,10	
●	●	●	M 3,0	0,50	2,50	
●	-	●	M 3,5	0,60	2,90	
●	●	●	M 4,0	0,70	3,30	
●	●	●	M 5,0	0,80	4,20	
●	●	●	M 6,0	1,00	5,00	
-	-	●	M 7,0	1,00	6,00	
●	●	●	M 8,0	1,25	6,80	
●	●	●	M 10,0	1,50	8,50	
●	●	●	M 12,0	1,75	10,20	
●	-	-	M 14,0	2,00	12,00	
●	●	-	M 16,0	2,00	14,00	
-	-	-	M 18,0	2,50	15,50	
-	-	-	M 20,0	2,50	17,50	
-	-	-	M 24,0	3,00	21,00	

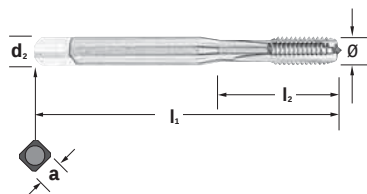
VA: per acciaio inossidabile
for stainless steel

MS: per ottone
for brass



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



Tipo / Type									N	N	N	N
Tolleranza Tolerance									6 H	6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction												
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6706	6706 TN	6706 TC	6712
M 1	0,25	0,75	40	5,5	-	2,5	2,1		●	●	●	-
M 1,1	0,25	0,85	40	5,5	-	2,5	2,1		●	●	●	-
M 1,2	0,25	0,95	40	5,5	-	2,5	2,1		●	●	●	-
M 1,4	0,30	1,10	40	7	-	2,5	2,1		●	●	●	-
M 1,6	0,35	1,25	40	8	-	2,5	2,1		●	●	●	-
M 1,7*	0,35	1,30	40	8	-	2,5	2,1		●	●	●	-
M 1,8	0,35	1,45	40	8	-	2,5	2,1		●	●	●	-
M 2	0,40	1,60	45	8	4	2,8	2,1		●	●	●	-
M 2,2	0,45	1,75	45	9	4	2,8	2,1		●	●	●	-
M 2,3*	0,40	1,90	45	9	4	2,8	2,1		●	●	●	-
M 2,5	0,45	2,05	50	9	4	2,8	2,1		●	●	●	-
M 2,6*	0,45	2,10	50	9	4	2,8	2,1		●	●	●	-
M 3	0,50	2,50	56	11	5	3,5	2,7		●	●	●	●
M 3*	0,60	2,40	56	11	5	3,5	2,7		●	●	●	-
M 3,5	0,60	2,90	56	13	6	4,0	3,0		●	●	●	-
M 4	0,70	3,30	63	13	7	4,5	3,4		●	●	●	●
M 4*	0,75	3,25	63	13	7	4,5	3,4		●	●	●	-
M 5	0,80	4,20	70	16	8	6,0	4,9		●	●	●	●
M 5*	0,90	4,10	70	16	8	6,0	4,9		■	●	●	-
M 6	1,00	5,00	80	19	10	6,0	4,9		●	●	●	●
M 7	1,00	6,00	80	19	10	7,0	5,5		●	●	●	-
M 8	1,25	6,80	90	22	12	8,0	6,2		●	●	●	●
M 9	1,25	7,80	90	22	12	9,0	7,0		●	●	●	-
M 10	1,50	8,50	100	24	14	10,0	8,0		●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.									6705	6705TN	6706TC	6715

N: impiego tradizionale
universal application

* Misura non in standard ISO / These sizes are not ISO standard.

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued item



**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



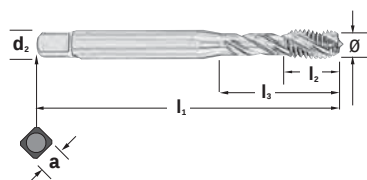
AZ	N 15°	N 15°	N 15°	N 15°	N 15°	HD 15°	HD 15°	Tipo / Type		
6 H	6 H	6 G	6 H	6 H	6 H+0,1	6 H	6 H	Tolleranza Tolerance		
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads		
								Direzione di taglio Cutting direction		
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material		
6820	6657	6657 6G	6657 TN	6657 TC	6902	6878	6878 HL	Ø mm	Passo Pitch	Preforo Tap drill
-	-	-	-	-	-	-	-	M 1	0,25	0,75
-	-	-	-	-	-	-	-	M 1,1	0,25	0,85
-	-	-	-	-	-	-	-	M 1,2	0,25	0,95
-	-	-	-	-	-	-	-	M 1,4	0,30	1,10
-	-	-	-	-	-	-	-	M 1,6	0,35	1,25
-	-	-	-	-	-	-	-	M 1,7*	0,35	1,30
-	-	-	-	-	-	-	-	M 1,8	0,35	1,45
●	●	●	●	●	-	-	-	M 2	0,40	1,60
-	●	-	●	●	-	-	-	M 2,2	0,45	1,75
-	●	-	●	●	-	-	-	M 2,3*	0,40	1,90
-	●	●	●	●	-	-	-	M 2,5	0,45	2,05
-	●	-	●	●	-	-	-	M 2,6*	0,45	2,10
●	●	●	●	●	●	●	●	M 3	0,50	2,50
-	-	-	-	-	-	-	-	M 3*	0,60	2,40
-	●	●	●	●	-	-	-	M 3,5	0,60	2,90
●	●	●	●	●	●	●	●	M 4	0,70	3,30
-	-	-	-	-	-	-	-	M 4*	0,75	3,25
●	●	●	●	●	●	●	●	M 5	0,80	4,20
-	-	-	-	-	-	-	-	M 5*	0,90	4,10
●	●	●	●	●	●	●	●	M 6	1,00	5,00
-	●	●	●	●	-	-	-	M 7	1,00	6,00
●	●	●	●	●	●	●	●	M 8	1,25	6,80
-	-	-	-	-	-	-	-	M 9	1,25	7,80
●	●	●	●	●	●	●	●	M 10	1,50	8,50
	6658					6879	6679HL			

AZ: con denti alternati / interrupted threads **HD:** per materiali tenaci / for tough materials
N15°: normale a 15° / 15°right hand helix



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



Tipo / Type									N 40°	N/VAP 40°	N 40°	N 40°
Tolleranza Tolerance									6 H	6 H	6 G	6 G*
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction												
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6644	6644 VP	6644 6G	6644 TN
M 1	0,25	0,75	40	-	5,5	2,5	2,1		-	-	-	-
M 1,1	0,25	0,85	40	-	5,5	2,5	2,1		-	-	-	-
M 1,2	0,25	0,95	40	-	5,5	2,5	2,1		-	-	-	-
M 1,4	0,30	1,10	40	-	7,0	2,5	2,1		-	-	-	-
M 1,6	0,35	1,25	40	-	8,0	2,5	2,1		-	-	-	-
M 1,7*	0,35	1,30	40	-	8,0	2,5	2,1		-	-	-	-
M 1,8	0,35	1,45	40	-	8,0	2,5	2,1		-	-	-	-
M 2	0,40	1,60	45	4	8,0	2,8	2,1		●	●	●	●
M 2,2	0,45	1,75	45	4	9,0	2,8	2,1		●	●	-	-
M 2,3*	0,40	1,90	45	4	9,0	2,8	2,1		●	●	-	-
M 2,5	0,45	2,05	50	4	9,0	2,8	2,1		●	●	●	●
M 2,6*	0,45	2,10	50	4	9,0	2,8	2,1		●	●	-	-
M 3	0,50	2,50	56	5	11,0	3,5	2,7		●	●	●	●
M 3*	0,60	2,40	56	5	11,0	3,5	2,7		-	-	-	-
M 3,5	0,60	2,90	56	6	13,0	4,0	3,0		●	●	●	●
M 4	0,70	3,30	63	7	13,0	4,5	3,4		●	●	●	●
M 4*	0,75	3,25	63	7	13,0	4,5	3,4		-	-	-	-
M 5	0,80	4,20	70	8	16,0	6,0	4,9		●	●	●	●
M 5*	0,90	4,10	70	8	16,0	6,0	4,9		-	-	-	-
M 6	1,00	5,00	80	10	19,0	6,0	4,9		●	●	●	●
M 7	1,00	6,00	80	10	19,0	7,0	5,5		●	●	●	●
M 8	1,25	6,80	90	12	22,0	8,0	6,2		●	●	●	●
M 9	1,25	7,80	90	12	22,0	9,0	7,0		●	●	-	-
M 10	1,50	8,50	100	14	24,0	10,0	8,0		●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.									6638	6638VP	66386G	6638TN

N 40°: normale a 40° / 40° right hand helix

VAP: vaporizzato / 40° vaporized

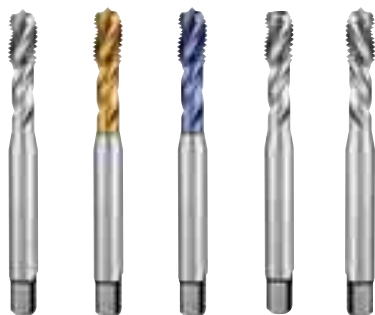
* Misura non in standard ISO / These sizes are not ISO standard. - 6 G* per l'ordine si prega di indicare 6G / when ordering please state 6G

● 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



N 40°	N 40°	N 40°	N 40°	N Sx 40°	Tipo / Type			
7 G	6 H	6 H	6 H	6 H	Tolleranza Tolerance			
C/2,5-3	C/2,5-3	C/2,5-3	E/1,5-2	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads			
					Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6644 7G	6644 TN	6644 TC	6867	6861	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	-	-	-	M 1	0,25	0,75	
-	-	-	-	-	M 1,1	0,25	0,85	
-	-	-	-	-	M 1,2	0,25	0,95	
-	-	-	-	-	M 1,4	0,30	1,10	
-	-	-	-	-	M 1,6	0,35	1,25	
-	-	-	-	-	M 1,7*	0,35	1,30	
-	-	-	-	-	M 1,8	0,35	1,45	
●	●	●	-	-	M 2	0,40	1,60	
-	-	-	-	-	M 2,2	0,45	1,75	
-	-	-	-	-	M 2,3*	0,40	1,90	
●	●	●	-	-	M 2,5	0,45	2,05	
-	-	-	-	-	M 2,6*	0,45	2,10	
●	●	●	●	●	M 3	0,50	2,50	
-	-	-	-	-	M 3*	0,60	2,40	
-	●	●	-	-	M 3,5	0,60	2,90	
●	●	●	●	●	M 4	0,70	3,30	
-	-	-	-	-	M 4*	0,75	3,25	
●	●	●	●	●	M 5	0,80	4,20	
-	-	-	-	-	M 5*	0,90	4,10	
●	●	●	●	●	M 6	1,00	5,00	
-	●	-	-	-	M 7	1,00	6,00	
●	●	●	●	●	M 8	1,25	6,80	
-	-	-	-	-	M 9	1,25	7,80	
●	●	●	●	●	M 10	1,50	8,50	
66387G	6638TN	6638TC	6868	6862				

N 40°: normale a 40° / 40° right hand helix

● Utensile disponibile a magazzino / Items available ex stock

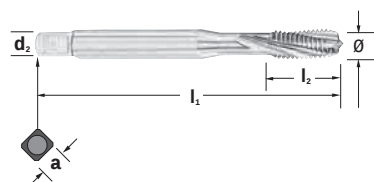


**Maschi a macchina con gambo rinforzato
per Filettatura Metrica ISO Passo Grosso DIN 13**

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



Lubrificazione assiale
Axial internal cooling



Tipo / Type									VA 15°	VAP 15°	VA 15°	VA 15°	VA i 15°
Tolleranza Tolerance									6 HX	6 HX	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	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction													
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6654	6654 VP	6654 XP	6620	6620 XP
M 2	0,40	1,60	45	8	4	2,8	2,1		●	●	●	-	-
M 2,2	0,45	1,75	45	9	4	2,8	2,1		●	●	●	-	-
M 2,3*	0,40	1,90	45	9	4	2,8	2,1		●	●	●	-	-
M 2,5	0,45	2,05	50	9	4	2,8	2,1		●	●	●	-	-
M 2,6*	0,45	2,10	50	9	4	2,8	2,1		●	●	●	-	-
M 3	0,50	2,50	56	11	5	3,5	2,7		●	●	●	-	-
M 3,5	0,60	2,90	56	13	6	4,0	3,0		●	●	●	-	-
M 4	0,70	3,30	63	13	7	4,5	3,4		●	●	●	-	-
M 5	0,80	4,20	70	16	8	6,0	4,9		●	●	●	-	-
M 6	1,00	5,00	80	19	10	6,0	4,9		●	●	●	●	●
M 7	1,00	6,00	80	19	10	7,0	5,5		●	●	●	-	-
M 8	1,25	6,80	90	22	12	8,0	6,2		●	●	●	●	●
M 10	1,50	8,50	100	24	14	10,0	8,0		●	●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.									6634	6634VP	6634XP	6605	6605XP

VA: Per acciaio inossidabile
for stainless steel

VAP: vaporizzato / 40° vaporized

VA i: Per acciaio inossidabile, con fori di lubrificazione
for stainless steel, with internal cooling

* Misura non in standard ISO / These sizes are not ISO standard.

I maschi 6661 sono rastremati a partire dal Ø3 mm. ad eccezione del Ø7 mm / Cat.-No. 6661 with back tapered from M 3 onwards, except M 7

● 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



VR 35°	VRP 35°	VR 35°	VR 35°	VR 35°	VR 35°	VRP 50°	VR 50°	Tipo / Type			
6 HX	6 HX	6 G	6 HX	6 HX	6 HX	6 HX	6 HX	Tolleranza Tolerance			
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads			
								Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6661	6661 VP	6661 6G	6661 TN	6661 TX	6661 XP	6850 VP	6850 TN	Ø mm		Passo Pitch	Preforo Tap drill
●	●	●	●	●	●	●	●	M 2	0,40	1,60	
●	●	●	●	●	●	-	-	M 2,2	0,45	1,75	
●	●	-	●	●	●	-	-	M 2,3*	0,40	1,90	
●	●	●	●	●	●	-	-	M 2,5	0,45	2,05	
●	●	-	●	●	●	-	-	M 2,6*	0,45	2,10	
●	●	●	●	●	●	●	●	M 3	0,50	2,50	
●	●	-	●	●	●	-	-	M 3,5	0,60	2,90	
●	●	●	●	●	●	●	●	M 4	0,70	3,30	
●	●	●	●	●	●	●	●	M 5	0,80	4,20	
●	●	●	●	●	●	●	●	M 6	1,00	5,00	
●	●	-	●	●	●	-	-	M 7	1,00	6,00	
●	●	●	●	●	●	●	●	M 8	1,25	6,80	
●	●	●	●	●	●	●	●	M 10	1,50	8,50	
6662	6662VP	66626G	6662	6662TX	6662XB	6851VP	6851TN				

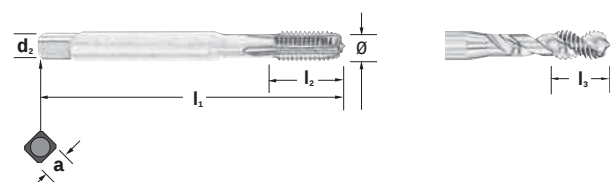
VR: per acciaio inox con rastremazione
for stainless steel, back tapered

VRP: per acciaio inox con rastremazione più vaporizzazione
for stainless steel, back tapered and vaporized



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



Tipo / Type									GG	GG	Multi GG i	Multi GG i	Alu 45°	BAK
Tolleranza Tolerance									6 HX	6 HX	6 HX	6 HX	6 H	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	E/1,5-2
Direzione di taglio Cutting direction														
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6631	6631 TF	6629	6629 TC	6643	6670
M 2	0,40	1,60	45	8	4	2,8	2,1		-	-	-	-	●	●
M 2,2	0,45	1,75	45	9	4	2,8	2,1		-	-	-	-	●	-
M 2,3*	0,40	1,90	45	9	4	2,8	2,1		-	-	-	-	●	■
M 2,5	0,45	2,05	50	9	4	2,8	2,1		-	-	-	-	●	●
M 2,6*	0,45	2,10	50	9	4	2,8	2,1		-	-	-	-	●	-
M 3	0,50	2,50	56	11	5	3,5	2,7		●	●	-	-	●	●
M 3,5	0,60	2,90	56	13	6	4,0	3,0		●	●	-	-	●	●
M 4	0,70	3,30	63	13	7	4,5	3,4		●	●	-	-	●	●
M 5	0,80	4,20	70	16	8	6,0	4,9		●	●	●	●	●	●
M 6	1,00	5,00	80	19	10	6,0	4,9		●	●	●	●	●	●
M 7	1,00	6,00	80	19	10	7,0	5,5		●	●	-	-	●	■
M 8	1,25	6,80	90	22	12	8,0	6,2		●	●	●	●	●	●
M 10	1,50	8,50	100	24	14	10,0	8,0		●	●	●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.									6632	6632TF	6637	6637TC	6651	-

Alu: per alluminio
for Aluminium
BAK: per bakelite
for bakelite

GG: per ghisa
for cast iron

* Misura non in standard ISO / These sizes are not ISO standard.

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



**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



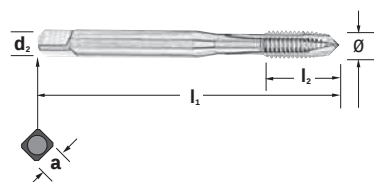
HD 40°	HD 40°	HD 40°	HD 40°	HD 40°	HR 40°	HR 40°	Tipo / Type			
6 H	6 G	4 H	6 H	6 H	6 H	6 H	Tolleranza Tolerance			
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads			
							Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6666	6666 6G	6666 4H	6666 TN	6666 TF	6681	6681 TF	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	-	-	-	-	-	M 2	0,40	1,60	
-	-	-	-	-	-	-	M 2,2	0,45	1,75	
-	-	-	-	-	-	-	M 2,3*	0,40	1,90	
-	-	-	-	-	-	-	M 2,5	0,45	2,05	
-	-	-	-	-	-	-	M 2,6*	0,45	2,10	
●	●	●	●	●	●	●	M 3	0,50	2,50	
●	●	●	●	●	-	-	M 3,5	0,60	2,90	
●	●	●	●	●	●	●	M 4	0,70	3,30	
●	●	●	●	●	●	●	M 5	0,80	4,20	
●	●	●	●	●	●	●	M 6	1,00	5,00	
●	●	●	●	●	-	-	M 7	1,00	6,00	
●	●	●	●	●	●	●	M 8	1,25	6,80	
●	●	●	●	●	●	●	M 10	1,50	8,50	
6667	-	-	6667TN	6667TF	6689	6689TF				

HD: per materiali tenaci
for tough materials

HR: per materiali tenaci con rastremazione
for tough materials, back tapered



**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



Tipo / Type								Rapid	VAP Rapid	Rapid	Rapid	Rapid	Rapid
Tolleranza Tolerance								6 H	6 H	6 G	6 G*	4 H	7 G
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction													
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6707	6707 VP	6707 6G	6707 TN	6707 4H	6707 7G
M 2	0,40	1,60	45	8	2,8	2,1		●	●	●	●	●	●
M 2,2	0,45	1,75	45	9	2,8	2,1		●	●	●	●	●	●
M 2,3*	0,40	1,90	45	9	2,8	2,1		●	●	-	-	-	-
M 2,5	0,45	2,05	50	9	2,8	2,1		●	●	●	●	●	●
M 2,6*	0,45	2,10	50	9	2,8	2,1		●	●	-	-	-	-
M 3	0,50	2,50	56	11	3,5	2,7		●	●	●	●	●	●
M 3*	0,60	2,40	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 4*	0,75	3,25	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 7	1,00	6,00	80	19	7,0	5,5		●	●	●	●	●	-
M 8	1,25	6,80	90	22	8,0	6,2		●	●	●	●	●	●
M 9	1,25	7,80	90	22	9,0	7,0		●	●	-	-	-	-
M 10	1,50	8,50	100	24	10,0	8,0		●	●	●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.								6711	6711VP	67116G	6711TN	-	67117G

Rapid: Impiego tradizionale
universal application
VAP: vaporizzato
vaporized

* Misura non in standard ISO / These sizes are not ISO standard.

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items- 6 G* per l'ordine si prega di indicare 6G / when ordering please state 6G


**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



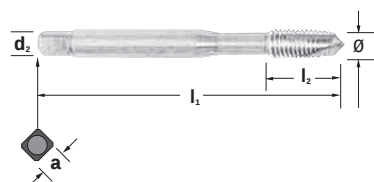
Rapid	Rapid	N sx	Rapid 2	Rapid 2	Tipo / Type			
6 H	6 H	6 H	6 H	6 G	Tolleranza Tolerance			
B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	Forma/Filetti d'imbocco Chamfer form / No. of threads			
					Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6707 TN	6707 TC	6859	6640	6640 6G	Ø mm	Passo Pitch	Preforo Tap drill	
●	●	-	●	●	M 2	0,40	1,60	
-	-	-	●	●	M 2,2	0,45	1,75	
-	-	-	●	-	M 2,3*	0,40	1,90	
●	●	-	●	●	M 2,5	0,45	2,05	
-	-	-	●	-	M 2,6*	0,45	2,10	
●	●	●	●	●	M 3	0,50	2,50	
-	-	-	-	-	M 3*	0,60	2,40	
●	●	-	●	●	M 3,5	0,60	2,90	
●	●	●	●	●	M 4	0,70	3,30	
-	-	-	-	-	M 4*	0,75	3,25	
●	●	●	●	●	M 5	0,80	4,20	
●	●	●	●	●	M 6	1,00	5,00	
●	-	-	●	●	M 7	1,00	6,00	
●	●	●	●	●	M 8	1,25	6,80	
-	-	-	-	-	M 9	1,25	7,80	
●	●	●	●	●	M 10	1,50	8,50	
6711TN	6711TC	6860	-	-				

Rapid 2: Impiego tradizionale (2 scanalature)
universal application (2 flutes)

● 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



Tipo / Type								Ultra	Ultra	Ultra-S
Tolleranza Tolerance								6 HX	6 GX	6 HX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction										
Materiale/Material								HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6606	6606 6G	6649
M 1	0,25	0,75	40	5,5	2,5	2,1		●	-	-
M 1,2	0,25	0,95	40	5,5	2,5	2,1		●	-	-
M 1,4	0,30	1,10	40	7,0	2,5	2,1		●	-	-
M 1,6	0,35	1,25	40	8,0	2,5	2,1		●	-	-
M 1,7*	0,35	1,30	40	8,0	2,5	2,1		●	-	-
M 1,8	0,35	1,45	40	8,0	2,5	2,1		●	-	-
M 2	0,40	1,60	45	8,0	2,8	2,1		●	●	●
M 2,2	0,45	1,75	45	9,0	2,8	2,1		●	●	●
M 2,3*	0,40	1,90	45	9,0	2,8	2,1		●	-	●
M 2,5	0,45	2,05	50	9,0	2,8	2,1		●	●	●
M 2,6*	0,45	2,10	50	9,0	2,8	2,1		●	-	●
M 3	0,50	2,50	56	11,0	3,5	2,7		●	●	●
M 3,5	0,60	2,90	56	13,0	4,0	3,0		●	●	●
M 4	0,70	3,30	63	13,0	4,5	3,4		●	●	●
M 4*	0,75	3,25	63	13,0	4,5	3,4		■	-	-
M 5	0,80	4,20	70	16,0	6,0	4,9		●	●	●
M 6	1,00	5,00	80	19,0	6,0	4,9		●	●	●
M 7	1,00	6,00	80	19,0	7,0	5,5		●	●	●
M 8	1,25	6,80	90	22,0	8,0	6,2		●	●	●
M 9	1,25	7,80	90	22,0	9,0	7,0		●	-	●
M 10	1,50	8,50	100	24,0	10,0	8,0		●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.								-	-	-

Ultra: per lamiera
for sheet metals
Ultra-s: per lamiera con canalino
with coolant grooves for sheet metals

* Misura non in standard ISO / These sizes are not ISO standard.

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items


**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



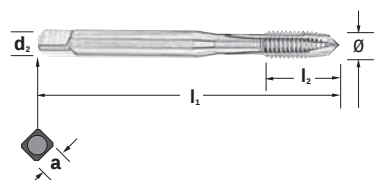
Ultra-S	Ultra-S	AZ	NL15°	Tipo / Type			
6 GX	6 HX	6 H	6 H	Tolleranza Tolerance			
B/4-5	B/4-5	B/4-5	D/4-5	Forma/Filetti d'imbocco Chamfer form / No. of threads			
				Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6649 6G	6649 TN	6616	6727	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	-	-	M 1	0,25	0,75	
-	-	-	-	M 1,2	0,25	0,95	
-	-	-	-	M 1,4	0,30	1,10	
-	-	-	-	M 1,6	0,35	1,25	
-	-	-	-	M 1,7*	0,35	1,30	
-	-	-	-	M 1,8	0,35	1,45	
-	●	●	-	M 2	0,40	1,60	
●	-	●	-	M 2,2	0,45	1,75	
-	-	●	-	M 2,3*	0,40	1,90	
●	-	●	-	M 2,5	0,45	2,05	
-	-	●	-	M 2,6*	0,45	2,10	
●	●	●	●	M 3	0,50	2,50	
●	-	●	●	M 3,5	0,60	2,90	
●	●	●	●	M 4	0,70	3,30	
-	-	-	-	M 4*	0,75	3,25	
●	●	●	●	M 5	0,80	4,20	
●	●	●	●	M 6	1,00	5,00	
■	●	●	-	M 7	1,00	6,00	
●	-	●	●	M 8	1,25	6,80	
-	-	-	-	M 9	1,25	7,80	
●	-	●	●	M 10	1,50	8,50	
-	-	6617	6740				

Ultra-s: per lamiera con canalino
with coolant grooves for sheet metals
AZ: con denti alternati
interrupted threads

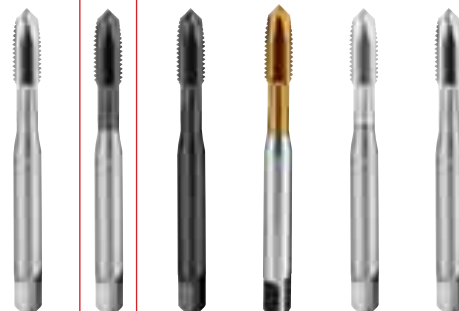
NL15°: elica sinistra a 15°
15° left hand helix



**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



NEW



Tipo / Type								VA	VA	VAP	VA	VA	VA
Tolleranza Tolerance								6 HX	6 HX	6 HX	6 HX	6 HX	6 GX
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction													
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6646	6646 XP	6646 VP	6646 TN	6646 TX	6646 6G
M 1	0,25	0,75	40	5,5	2,5	2,1		-	-	-	-	-	-
M 1,2	0,25	0,95	40	5,5	2,5	2,1		-	-	-	-	-	-
M 1,4	0,30	1,10	40	7,0	2,5	2,1		-	-	-	-	-	-
M 1,6	0,35	1,25	40	8,0	2,5	2,1		-	-	-	-	-	-
M 1,7*	0,35	1,30	40	8,0	2,5	2,1		-	-	-	-	-	-
M 1,8	0,35	1,45	40	8,0	2,5	2,1		-	-	-	-	-	-
M 2	0,40	1,60	45	8,0	2,8	2,1		●	●	●	●	●	●
M 2,2	0,45	1,75	45	9,0	2,8	2,1		●	●	●	●	●	●
M 2,3*	0,40	1,90	45	9,0	2,8	2,1		●	-	●	●	●	-
M 2,5	0,45	2,05	50	9,0	2,8	2,1		●	●	●	●	●	●
M 2,6*	0,45	2,10	50	9,0	2,8	2,1		●	-	●	●	●	-
M 3	0,50	2,50	56	11,0	3,5	2,7		●	●	●	●	●	●
M 3,5	0,60	2,90	56	13,0	4,0	3,0		●	-	●	●	●	-
M 4	0,70	3,30	63	13,0	4,5	3,4		●	●	●	●	●	●
M 4*	0,75	3,25	63	13,0	4,5	3,4		-	-	-	-	-	-
M 5	0,80	4,20	70	16,0	6,0	4,9		●	●	●	●	●	●
M 6	1,00	5,00	80	19,0	6,0	4,9		●	●	●	●	●	●
M 7	1,00	6,00	80	19,0	7,0	5,5		●	-	●	●	●	-
M 8	1,25	6,80	90	22,0	8,0	6,2		●	●	●	●	●	●
M 9	1,25	7,80	90	22,0	9,0	7,0		-	-	-	-	-	-
M 10	1,50	8,50	100	24,0	10,0	8,0		●	●	●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.								6647	6647XP	6647VP	-	6647XP	66476G

VA: Per acciaio inossidabile
for stainless steel
VAP: vaporizzato
vaporized

* Misura non in standard ISO / These sizes are not ISO standard.

● 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



Alu	HD	HD	HD	Tipo / Type			
6 H	6 H	6 H	6 H	Tolleranza Tolerance			
B/4-5	B/4-5	B/4-5	B/4-5	Forma/Filetti d'imbocco Chamfer form / No. of threads			
				Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6641	6870	6870 TN	6870 TF	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	-	-	M 1	0,25	0,75	
-	-	-	-	M 1,2	0,25	0,95	
-	-	-	-	M 1,4	0,30	1,10	
-	-	-	-	M 1,6	0,35	1,25	
-	-	-	-	M 1,7*	0,35	1,30	
-	-	-	-	M 1,8	0,35	1,45	
●	●	●	●	M 2	0,40	1,60	
●	●	●	●	M 2,2	0,45	1,75	
●	-	-	-	M 2,3*	0,40	1,90	
●	●	●	●	M 2,5	0,45	2,05	
●	-	-	-	M 2,6*	0,45	2,10	
●	●	●	●	M 3	0,50	2,50	
●	-	-	-	M 3,5	0,60	2,90	
●	●	●	●	M 4	0,70	3,30	
-	-	-	-	M 4*	0,75	3,25	
●	●	●	●	M 5	0,80	4,20	
●	●	●	●	M 6	1,00	5,00	
●	●	●	●	M 7	1,00	6,00	
●	●	●	●	M 8	1,25	6,80	
-	-	-	-	M 9	1,25	7,80	
●	●	●	●	M 10	1,50	8,50	
6642	6871	6871TN	6871TF				

HD: per materiali tenaci
for tough materials

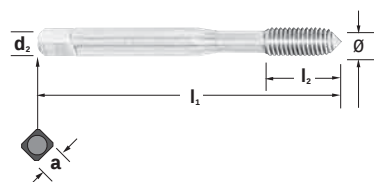
Alu: per alluminio
for Aluminium



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

Ref. **6722 – 6622** con canalini di lubrificazione / with coolant grooves



Tipo / Type								Former	Former	Former	Former
Tolleranza Tolerance								6 HX	6 GX	6 HX	6 GX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction											
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6722	6622	6722 BL	6622 BL
M 1**	0,25	0,88	40	5,5	2,5	2,1		●	-	●	-
M 1,1**	0,25	0,98	40	5,5	2,5	2,1		●	-	●	-
M 1,2**	0,25	1,08	40	5,5	2,5	2,1		●	-	●	-
M 1,4**	0,30	1,25	40	7,0	2,5	2,1		●	-	●	-
M 1,6	0,35	1,45	40	8,0	2,5	2,1		●	-	●	-
M 1,7*	0,35	1,55	40	8,0	2,5	2,1		●	-	●	-
M 1,8	0,35	1,65	40	8,0	2,5	2,1		●	-	●	-
M 2	0,40	1,80	45	8,0	2,8	2,1		●	●	●	●
M 2,2	0,45	2,00	45	9,0	2,8	2,1		●	-	●	-
M 2,3*	0,40	2,10	45	9,0	2,8	2,1		●	-	●	-
M 2,5	0,45	2,30	50	9,0	2,8	2,1		●	●	●	●
M 2,6*	0,45	2,40	50	9,0	2,8	2,1		●	-	●	-
M 3	0,50	2,75	56	11,0	3,5	2,7		●	●	●	●
M 3,5	0,60	3,20	56	13,0	4,0	3,0		●	●	●	●
M 4	0,70	3,65	63	13,0	4,5	3,4		●	●	●	●
M 5	0,80	4,60	70	16,0	6,0	4,9		●	●	●	●
M 6	1,00	5,50	80	19,0	6,0	4,9		●	●	●	●
M 7	1,00	6,50	80	19,0	7,0	5,5		●	-	●	-
M 8	1,25	7,40	90	22,0	8,0	6,2		●	●	●	●
M 10	1,50	9,30	100	24,0	10,0	8,0		●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.								6723	6623	6723	6623

* Misura non in standard ISO / These sizes are not ISO standard.
** Tolleranza 5H / Tolerance 5H

● 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

Ref. **6722 – 6622** con canalini di lubrificazione / with coolant grooves



Former	Former	Former	Former	Former	Former	Tipo / Type			
6 HX	6 GX	6 HX	6 GX	6 HX	6 GX	Tolleranza Tolerance			
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads			
						Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6722 TN	6622 TN	6722 TF	6622 TF	6722 TX	6622 TX	Ø mm	Passo Pitch	Preforo Tap drill	
●	-	●	-	●	-	M 1**	0,25	0,88	
●	-	●	-	●	-	M 1,1**	0,25	0,98	
●	-	●	-	●	-	M 1,2**	0,25	1,08	
●	-	●	-	●	-	M 1,4**	0,30	1,25	
●	-	●	-	●	-	M 1,6	0,35	1,45	
●	-	●	-	●	-	M 1,7*	0,35	1,55	
●	-	●	-	●	-	M 1,8	0,35	1,65	
●	●	●	●	●	●	M 2	0,40	1,80	
●	-	●	-	●	-	M 2,2	0,45	2,00	
●	-	●	-	●	-	M 2,3*	0,40	2,10	
●	●	●	●	●	●	M 2,5	0,45	2,30	
●	-	●	-	●	-	M 2,6*	0,45	2,40	
●	●	●	●	●	●	M 3	0,50	2,75	
●	●	●	●	●	●	M 3,5	0,60	3,20	
●	●	●	●	●	●	M 4	0,70	3,65	
●	●	●	●	●	●	M 5	0,80	4,60	
●	●	●	●	●	●	M 6	1,00	5,50	
●	-	●	-	●	-	M 7	1,00	6,50	
●	●	●	●	●	●	M 8	1,25	7,40	
●	●	●	●	●	●	M 10	1,50	9,30	
6723TN	6623TN	6723TF	6623TF	6723TX	6623TX				

* Misura non in standard ISO / These sizes are not ISO standard.
 ** Tolleranza 5H / Tolerance 5H

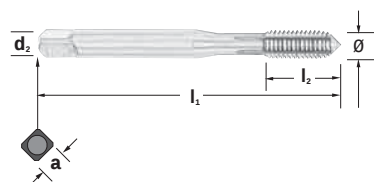
● Utensile disponibile a magazzino / Items available ex stock



**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

Ref. **6709 – 6819** con canalini di lubrificazione / with coolant grooves



Tipo / Type								Former s	Former s	Former s	Former s
Tolleranza Tolerance								6 HX	6 GX	6 HX	6 GX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction											
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6709	6808	6709 BL	6808 BL
M 3,0	0,50	2,75	56	11	3,5	2,7		●	●	●	●
M 3,5	0,60	3,20	56	13	4,0	3,0		●	●	●	●
M 4,0	0,70	3,65	63	13	4,5	3,4		●	●	●	●
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 7,0	1,00	6,50	80	19	7,0	5,5		●	-	●	-
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		●	●	●	●
Per misure con gambo passante superiori a M 10 vedi N. cod. / above M 10 refer to Cat.-No.								6725	6809	6725	6809

Former s: rullare con canalini
with coolant grooves

● 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

Ref. **6709 – 6819** con canalini di lubrificazione / with coolant grooves

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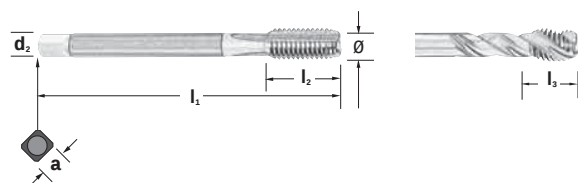
Former s: rullare con canalini
with coolant grooves

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 as per DIN 13



Tipo / Type									N	N	N	N	AZ	N 15°	N 15°	N 15°	N 15°
Tolleranza Tolerance									6 H	6 H	6 H	6 H	6 H	6 H	6 H	6 H	6 H+0,1
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction																	
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6705	6705 TN	6705 TC	6715	6821	6658	6658 TN	6658 TC	6903
M 2	0,40	1,60	45	8	-	1,4	-		●	●	●	-	-	-	-	-	-
M 2,2	0,45	1,75	45	9	-	1,6	-	■	■	-	-	-	-	-	-	-	-
M 2,3*	0,40	1,90	45	9	-	1,6	-		●	●	●	-	-	-	-	-	-
M 2,5	0,45	2,05	50	9	-	1,8	-		●	●	●	-	-	-	-	-	-
M 2,6*	0,45	2,10	50	9	4	1,8	-		●	●	●	-	-	-	-	-	-
M 3	0,50	2,50	56	11	5	2,2	-		●	●	●	-	-	-	-	-	-
M 3,5	0,60	2,90	56	13	6	2,5	2,1		●	●	●	-	-	-	-	-	-
M 4	0,70	3,30	63	13	7	2,8	2,1		●	●	●	-	-	-	-	-	-
M 5	0,80	4,20	70	16	8	3,5	2,7		●	●	●	-	-	-	-	-	-
M 6	1,00	5,00	80	19	10	4,5	3,4		●	●	●	-	●	-	-	-	-
M 7	1,00	6,00	80	19	10	5,5	4,3		●	●	●	-	-	-	-	-	-
M 8	1,25	6,80	90	22	12	6,0	4,9		●	●	●	-	●	●	●	●	-
M 9	1,25	7,80	90	22	19	7,0	5,5		●	●	●	-	-	-	-	-	-
M 10	1,50	8,50	100	24	14	7,0	5,5		●	●	●	-	●	●	●	●	-
M 12	1,75	10,20	110	29	16	9,0	7,0		●	●	●	●	●	●	●	●	●
M 14	2,00	12,00	110	30	20	11,0	9,0		●	●	●	●	-	●	●	●	●
M 16	2,00	14,00	110	32	20	12,0	9,0		●	●	●	●	●	●	●	●	●
M 18	2,50	15,50	125	34	24	14,0	11,0		●	●	●	●	-	●	●	●	-
M 20	2,50	17,50	140	34	25	16,0	12,0		●	●	●	●	●	●	●	●	●
M 22	2,50	19,50	140	34	25	18,0	14,5		●	●	●	●	-	●	●	●	-
M 24	3,00	21,00	160	38	30	18,0	14,5		●	●	●	●	●	●	●	●	-
M 27	3,00	24,00	160	38	30	20,0	16,0		●	●	●	-	-	●	●	●	-
M 30	3,50	26,50	180	45	35	22,0	18,0		●	●	●	-	-	●	●	●	-
M 33	3,50	29,50	180	50	-	25,0	20,0		●	●	●	-	-	-	-	-	-
M 36	4,00	32,00	200	56	-	28,0	22,0		●	●	●	-	-	-	-	-	-
M 39	4,00	35,00	200	60	-	32,0	24,0		●	●	●	-	-	-	-	-	-
M 42	4,50	37,50	200	60	-	32,0	24,0		●	●	●	-	-	-	-	-	-
M 45	4,50	40,50	220	65	-	36,0	29,0		●	●	●	-	-	-	-	-	-
M 48	5,00	43,00	250	70	-	36,0	29,0		●	●	●	-	-	-	-	-	-
M 52	5,00	47,00	250	70	-	40,0	32,0		●	●	●	-	-	-	-	-	-

N: Impiego tradizionale
universal application

N 15°: normale a 15°
15° right hand helix

AZ: con denti alternati
interrupted threads

* Misura non in standard ISO / These sizes are not ISO standard.

● Utensile disponibile a magazzino / Items available ex stock ■ Fino ad esaurimento scorte / discontinued items



**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



N 40°	N VAP 40°	N 40°	N 40°	N 40°	N 40°	N 40°	N Sx 40°	Tipo / Type			
6 H	6 H	6 G	7 G	6 H	6 H	6 H	6 H	Tolleranza Tolerance			
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	E/1,5-2	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads			
								Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6638	6638 VP	6638 6G	6638 7G	6638 TN	6638 TC	6868	6862	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	-	-	-	-	-	-	M 2	0,40	1,60	
-	-	-	-	-	-	-	-	M 2,2	0,45	1,75	
-	-	-	-	-	-	-	-	M 2,3*	0,40	1,90	
-	-	-	-	-	-	-	-	M 2,5	0,45	2,05	
-	-	-	-	-	-	-	-	M 2,6*	0,45	2,10	
●	●	●	-	-	-	-	-	M 3	0,50	2,50	
●	●	●	-	-	-	-	-	M 3,5	0,60	2,90	
●	●	●	-	-	-	-	-	M 4	0,70	3,30	
●	●	●	-	-	-	-	-	M 5	0,80	4,20	
●	●	●	-	-	-	-	-	M 6	1,00	5,00	
●	●	-	-	-	-	-	-	M 7	1,00	6,00	
●	●	●	●	-	-	-	-	M 8	1,25	6,80	
●	●	-	-	-	-	-	-	M 9	1,25	7,80	
●	●	●	●	-	-	-	-	M 10	1,50	8,50	
●	●	●	●	●	●	●	●	M 12	1,75	10,20	
●	●	●	-	●	●	●	●	M 14	2,00	12,00	
●	●	●	●	●	●	●	●	M 16	2,00	14,00	
●	●	●	-	●	●	●	●	M 18	2,50	15,50	
●	●	●	●	●	●	●	●	M 20	2,50	17,50	
●	●	●	-	-	-	-	-	M 22	2,50	19,50	
●	●	●	●	-	-	-	-	M 24	3,00	21,00	
●	●	-	-	-	-	-	-	M 27	3,00	24,00	
●	●	●	-	-	-	-	-	M 30	3,50	26,50	
●	●	-	-	-	-	-	-	M 33	3,50	29,50	
●	●	-	-	-	-	-	-	M 36	4,00	32,00	
-	-	-	-	-	-	-	-	M 39	4,00	35,00	
-	-	-	-	-	-	-	-	M 42	4,50	37,50	
-	-	-	-	-	-	-	-	M 45	4,50	40,50	
-	-	-	-	-	-	-	-	M 48	5,00	43,00	
-	-	-	-	-	-	-	-	M 52	5,00	47,00	

N 40°: normale a 40°
40° right hand helix

VAP: vaporizzato
vaporized

● Utensile disponibile a magazzino / Items available ex stock



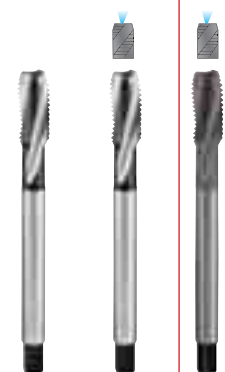
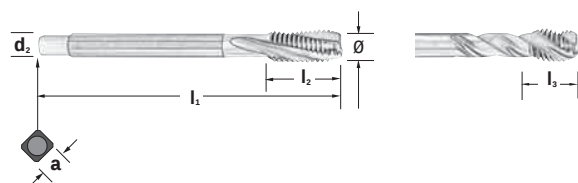
Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

Machine taps with reduced shank

for ISO-metric coarse thread as per DIN 13



Lubrificazione assiale
Axial internal cooling



NEW

[illegible]

VA: Per acciaio inossidabile
for stainless steel

VA i: Per acciaio inox con fori di lubrificazione
for stainless steel, with internal cooling

● Utensile disponibile a magazzino / Items available ex stock

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



VR: Per acciaio inox con rastremazione
for stainless steel, back tapered

VRP: Per acciaio inox con rastremazione e vaporizzato
for stainless steel, back tapered and vaporized

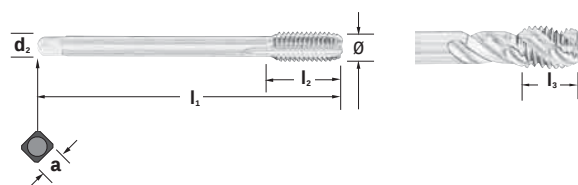


Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Grosso DIN 13

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



Lubrificazione assiale
Axial internal cooling



Tipo / Type									GG	GG	Multi GGi	Multi GGi	Alu 45°
Tolleranza Tolerance									6 HX	6 HX	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	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction													
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6632	6632 TF	6637	6637 TC	6651
M 3	0,50	2,5	56	11	5	2,2	-		-	-	-	-	-
M 3,5	0,60	2,9	56	13	6	2,5	2,1		-	-	-	-	-
M 4	0,70	3,3	63	13	7	2,8	2,1		-	-	-	-	-
M 5	0,80	4,2	70	16	8	3,5	2,7		-	-	-	-	-
M 6	1,00	5,0	80	19	10	4,5	3,4		●	●	-	-	-
M 7	1,00	6,0	80	19	10	5,5	4,3		●	●	-	-	-
M 8	1,25	6,8	90	22	12	6,0	4,9		●	●	-	-	-
M 10	1,50	8,5	100	24	14	7,0	5,5		●	●	-	-	-
M 12	1,75	10,2	110	29	16	9,0	7,0		●	●	●	●	●
M 14	2,00	12,0	110	30	20	11,0	9,0		●	●	-	-	●
M 16	2,00	14,0	110	32	20	12,0	9,0		●	●	●	●	●
M 18	2,50	15,5	125	34	24	14,0	11,0		●	●	●	●	●
M 20	2,50	17,5	140	34	25	16,0	12,0		●	●	●	●	●
M 22	2,50	19,5	140	34	25	18,0	14,5		●	●	-	-	-
M 24	3,00	21,0	160	38	30	18,0	14,5		●	●	-	-	-
M 27	3,00	24,0	160	38	30	20,0	16,0		●	●	-	-	-
M 30	3,50	26,5	180	45	35	22,0	18,0		●	●	-	-	-

GG: per ghisa
for cast iron
Alu: per alluminio
for Aluminium

MULTI GG i: Ad alta prestazione per ghisa con fori di lubrificazione
High performance taps with internal cooling for cast iron



**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



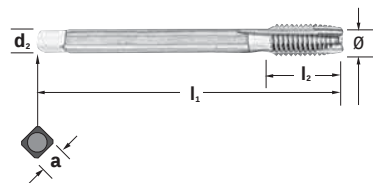
HD 15°	HD 15°	HD 40°	HD 40°	HD 40°	HR 40°	HR 40°	Tipo / Type		
6 H	6 H	6 H	6 H	6 H	6 H	6 H	Tolleranza Tolerance		
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads		
							Direzione di taglio Cutting direction		
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material		
6879	6879 HL	6667	6667 TN	6667 TF	6689	6689 TF	Ø mm	Passo Pitch	Preforo Tap drill
-	-	●	●	●	-	-	M 3	0,50	2,5
-	-	●	●	●	-	-	M 3,5	0,60	2,9
-	-	●	●	●	-	-	M 4	0,70	3,3
-	-	●	●	●	-	-	M 5	0,80	4,2
-	-	●	●	●	-	-	M 6	1,00	5,0
-	-	●	●	●	-	-	M 7	1,00	6,0
-	-	●	●	●	-	-	M 8	1,25	6,8
-	-	●	●	●	-	-	M 10	1,50	8,5
●	●	●	●	●	●	●	M 12	1,75	10,2
●	●	●	●	●	●	●	M 14	2,00	12,0
●	●	●	●	●	●	●	M 16	2,00	14,0
●	●	●	●	●	●	●	M 18	2,50	15,5
●	●	●	●	●	●	●	M 20	2,50	17,5
●	●	-	-	-	-	-	M 22	2,50	19,5
●	●	-	-	-	-	-	M 24	3,00	21,0
●	●	-	-	-	-	-	M 27	3,00	24,0
●	●	-	-	-	-	-	M 30	3,50	26,5

HD: per materiali tenaci
for tough materials
HR: per materiali tenaci rastremato
for tough materials, back tapered



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



Tipo / Type								Rapid	Rapid VAP	Rapid	Rapid	Rapid
Tolleranza Tolerance								6 H	6 H	6 G	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5	B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction												
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6711	6711 VP	6711 6G	6711 TN	6711 TC
M 2	0,40	1,60	45	8	1,4	-		●	●	●	-	-
M 2,2	0,45	1,75	45	9	1,6	-		●	●	-	-	-
M 2,3*	0,40	1,90	45	9	1,6	-		●	●	-	-	-
M 2,5	0,45	2,05	50	9	1,8	-		●	●	●	-	-
M 2,6*	0,45	2,10	50	9	1,8	-		●	●	-	-	-
M 3	0,50	2,50	56	11	2,2	-		●	●	●	-	-
M 3,5	0,60	2,90	56	13	2,5	2,1		●	●	●	-	-
M 4	0,70	3,30	63	13	2,8	2,1		●	●	●	-	-
M 5	0,80	4,20	70	16	3,5	2,7		●	●	●	-	-
M 6	1,00	5,00	80	19	4,5	3,4		●	●	●	-	-
M 7	1,00	6,00	80	19	5,5	4,3		●	●	-	-	-
M 8	1,25	6,80	90	22	6,0	4,9		●	●	●	-	-
M 9	1,25	7,80	90	22	7,0	5,5		●	●	-	-	-
M 10	1,50	8,50	100	24	7,0	5,5		●	●	●	-	-
M 12	1,75	10,20	110	29	9,0	7,0		●	●	●	●	●
M 14	2,00	12,00	110	30	11,0	9,0		●	●	●	●	●
M 16	2,00	14,00	110	32	12,0	9,0		●	●	●	●	●
M 18	2,50	15,50	125	34	14,0	11,0		●	●	●	●	●
M 20	2,50	17,50	140	34	16,0	12,0		●	●	●	●	●
M 22	2,50	19,50	140	34	18,0	14,5		●	●	●	-	-
M 24	3,00	21,00	160	38	18,0	14,5		●	●	●	-	-
M 27	3,00	24,00	160	38	20,0	16,0		●	●	●	-	-
M 30	3,50	26,50	180	45	22,0	18,0		●	●	-	-	-
M 33	3,50	29,50	180	50	25,0	20,0		●	●	●	-	-
M 36	4,00	32,00	200	56	28,0	22,0		●	●	●	-	-
M 39	4,00	35,00	200	60	32,0	24,0		●	●	●	-	-
M 42	4,50	37,50	200	60	32,0	24,0		●	●	●	-	-
M 45	4,50	40,50	220	65	36,0	29,0		●	●	-	-	-
M 48	5,00	43,00	250	70	36,0	29,0		●	●	●	-	-
M 52	5,00	47,00	250	70	40,0	32,0		●	●	-	-	-

Rapid: Impiego tradizionale
universal application

VAP: vaporizzato
vaporized

* Misura non in standard ISO / These sizes are not ISO standard.

● 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

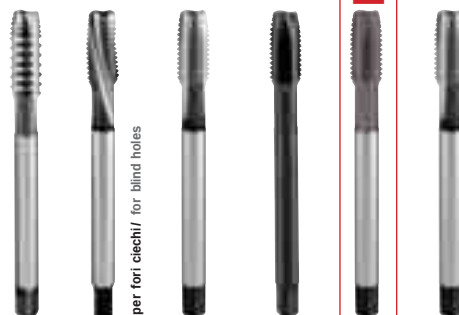
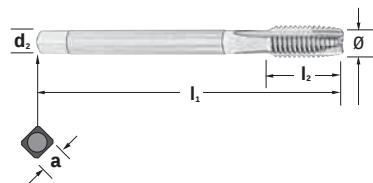


Rapid	N Sx	Tipo / Type			
7 G	6 H	Tolleranza Tolerance			
B/4-5	B/4-5	Forma/Filetti d'imbocco Chamfer form / No. of threads			
		Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	Materiale/Material			
6711 7G	6860	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	M 2	0,40	1,60	
-	-	M 2,2	0,45	1,75	
-	-	M 2,3*	0,40	1,90	
-	-	M 2,5	0,45	2,05	
-	-	M 2,6*	0,45	2,10	
-	-	M 3	0,50	2,50	
-	-	M 3,5	0,60	2,90	
-	-	M 4	0,70	3,30	
-	-	M 5	0,80	4,20	
-	-	M 6	1,00	5,00	
-	-	M 7	1,00	6,00	
●	-	M 8	1,25	6,80	
-	-	M 9	1,25	7,80	
●	-	M 10	1,50	8,50	
●	●	M 12	1,75	10,20	
-	●	M 14	2,00	12,00	
●	●	M 16	2,00	14,00	
-	●	M 18	2,50	15,50	
●	●	M 20	2,50	17,50	
-	-	M 22	2,50	19,50	
●	-	M 24	3,00	21,00	
-	-	M 27	3,00	24,00	
-	-	M 30	3,50	26,50	
-	-	M 33	3,50	29,50	
-	-	M 36	4,00	32,00	
-	-	M 39	4,00	35,00	
-	-	M 42	4,50	37,50	
-	-	M 45	4,50	40,50	
-	-	M 48	5,00	43,00	
-	-	M 52	5,00	47,00	

Rapid: Impiego tradizionale
universal application



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



AZ: con denti alternati	VAP: vaporizzato
interrupted threads	vaporized
NL15°: elica sinistra a 15°	
left hand helix	

● Utensile disponibile a magazzino / Items available ex stock

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



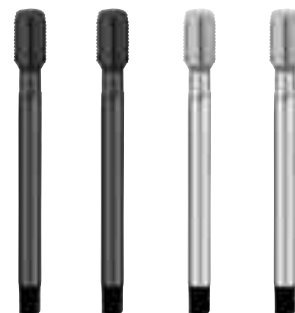
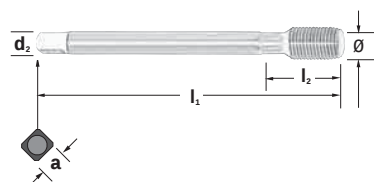
HD : per materiali tenaci
for tough materials
Alu : per alluminio
for Aluminium



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

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

Ref. **6723 – 6623** senza canalini di lubrificazione / without coolant grooves



Tipo / Type								Former	Former	Former	Former
Tolleranza Tolerance								6 HX	6 GX	6 HX	6 GX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction											
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6723	6623	6723 BL	6623 BL
M 12	1,75	11,2	110	29	9	7		●	●	●	●
M 14	2,00	13,0	110	30	11	9		●	●	●	●
M 16	2,00	15,0	110	32	12	9		●	●	●	●

Former: senza canalini di lubrificazione
without coolant grooves

● Utensile disponibile a magazzino / Items available ex stock

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

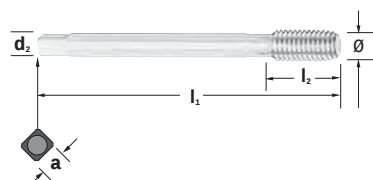
Former: senza canalini di lubrificazione
without coolant grooves



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

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

Ref. **6725 – 6809** con canalini di lubrificazione / with coolant grooves



Tipo / Type								Former-S	Former-S	Former-S	Former-S
Tolleranza Tolerance								6 HX	6 GX	6 HX	6 GX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction											
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6725	6809	6725 BL	6809 BL
M 12	1,75	11,2	110	29	9	7		●	●	●	●
M 14	2,00	13,0	110	30	11	9		●	●	●	●
M 16	2,00	15,0	110	32	12	9		●	●	●	●

Former S: rullare con canalini
with coolant grooves

● Utensile disponibile a magazzino / Items available ex stock

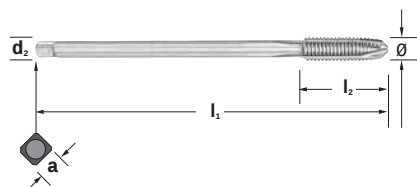
Cold forming taps with reduced shank
for ISO metric coarse thread as per DIN

Former S: rullare con canalini
with coolant grooves



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

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

[illegible]

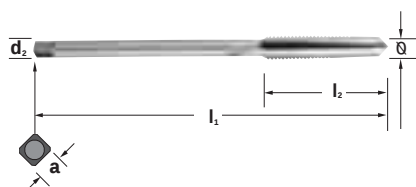
N: Impiego tradizionale
universal application

● Utensile disponibile a magazzino / Items available ex stock



Maschi a macchina per dadi con gambo diritto e imbocco extra lungo per Filettatura Metrica ISO Passo Grosso DIN 13

Machine nut taps with extra long lead, straight shank
for ISO metric coarse thread as per DIN 13



Tipo / Type

Tolleranza
Tolerance

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

Direzione di taglio
Cutting direction

Materiale/Material

N

6 H

A/6-8



HSS-Co

6660

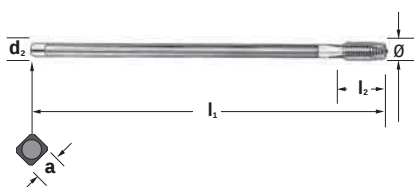
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12	
M 3	0,50	2,5	70	22	2,2	-	●
M 3,5	0,60	2,9	80	25	2,5	2,1	●
M 4	0,70	3,3	90	25	2,8	2,1	●
M 5	0,80	4,2	100	28	3,5	2,7	●
M 6	1,00	5,0	110	32	4,5	3,4	●
M 7	1,00	6,0	110	36	5,5	4,3	●
M 8	1,25	6,8	125	40	6,0	4,9	●
M 10	1,50	8,5	140	45	7,0	5,5	●
M 12	1,75	10,2	180	50	9,0	7,0	●
M 14	2,00	12,0	200	56	11,0	9,0	●
M 16	2,00	14,0	200	63	12,0	9,0	●
M 18	2,50	15,5	220	63	14,0	11,0	●
M 20	2,50	17,5	250	70	16,0	12,0	●
M 22	2,50	19,5	280	80	18,0	14,5	●
M 24	3,00	21,0	280	80	18,0	14,5	●
M 27	3,00	24,0	315	90	20,0	16,0	●
M 30	3,50	26,5	315	100	22,0	18,0	●

N: Impiego tradizionale
universal application

● Utensile disponibile a magazzino / Items available ex stock



Machine taps with extra long shank
for ISO metric coarse thread as per DIN 13
approx. double length of DIN 3716

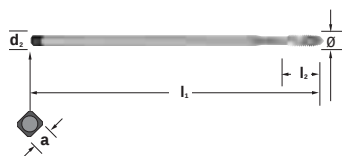


● Utensile disponibile a magazzino / Items available ex stock

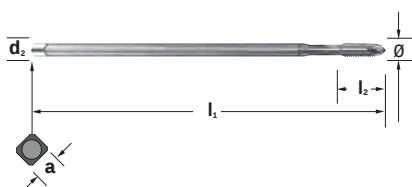


**Maschi a macchina extra lunghi a 40°
per Filettatura Metrica ISO Passo Grosso DIN 13
in generale dimensioni similare doppio al DIN 371**

Machine taps, extra long, 40° right hand helix
for ISO metric coarse thread as per DIN 13
approx. double length of DIN 371

[illegible]

Machine taps, extra long
for ISO metric coarse thread as per DIN 13
approx. double total length of DIN 371



● Utensile disponibile a magazzino / Items available ex stock

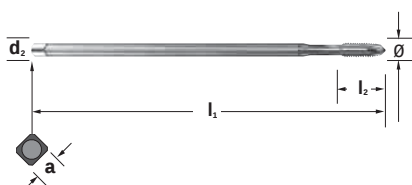


**Maschi a macchina extra lunghi a 40°
per Filettatura Metrica ISO Passo Grosso DIN 13
in generale dimensioni similare doppio al DIN 376**

Machine taps, extra long, 40° right hand helix
for ISO metric coarse thread as per DIN 13
approx. double length of DIN 376

[illegible]

Machine taps, extra long
for ISO metric coarse thread as per DIN 13
approx. double total length of DIN 376



● Utensile disponibile a magazzino / Items available ex stock

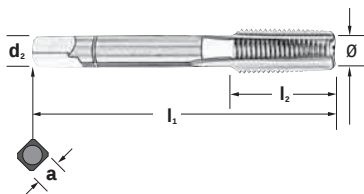


Maschi a mano in serie di 2 pezzi composta da sbozzatore e finitore per Filettatura Metrica ISO Passo Fine DIN 13

Hand taps, serial, in set of 2 pieces
for ISO metric fine threads as per DIN 13

MF

SERIE 6633



Tipo / Type								N	N
Tolleranza Tolerance								6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								A/5-6	C/2,5-3
Direzione di taglio Cutting direction									
Materiale/Material								HSS	HSS
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6633 P	6633 T
MF 2	0,25	1,8	36	8	2,8	2,1		●	●
MF 2,2	0,25	2,0	36	9	2,8	2,1		●	●
MF 2,3	0,25*	2,1	36	9	2,8	2,1		●	●
MF 2,5	0,35	2,2	40	9	2,8	2,1		●	●
MF 2,6	0,35	2,3	40	9	2,8	2,1		●	●
MF 3	0,35	2,7	40	9	3,5	2,7		●	●
MF 3,5	0,35	3,2	45	10	4,0	3,0		●	●
MF 4	0,50	3,5	45	10	4,5	3,4		●	●
MF 5	0,50	4,5	50	12	6,0	4,9		●	●
MF 6	0,50	5,5	50	14	6,0	4,9		●	●
MF 6	0,75	5,2	50	14	6,0	4,9		●	●
MF 7	0,75	6,2	50	14	6,0	4,9		●	●
MF 8	0,50	7,5	50	19	6,0	4,9		●	●
MF 8	0,75	7,2	50	19	6,0	4,9		●	●
MF 8	1,00	7,0	56	22	6,0	4,9		●	●
MF 9	1,00	8,0	63	22	7,0	5,5		●	●
MF 10	0,75	9,2	63	20	7,0	5,5		●	●
MF 10	1,00	9,0	63	20	7,0	5,5		●	●
MF 10	1,25	8,8	70	24	7,0	5,5		●	●
MF 11	1,00	10,0	63	20	8,0	6,2		●	●
MF 12	1,00	11,0	70	22	9,0	7,0		●	●
MF 12	1,25	10,8	70	22	9,0	7,0		●	●
MF 12	1,50	10,5	70	22	9,0	7,0		●	●
MF 14	1,00	13,0	70	22	11,0	9,0		●	●
MF 14	1,25*	12,8	70	22	11,0	9,0		●	●
MF 14	1,50	12,5	70	22	11,0	9,0		●	●
MF 15	1,00	14,0	70	22	12,0	9,0		●	●
MF 15	1,50	13,5	70	22	12,0	9,0		●	●
MF 16	1,00	15,0	70	22	12,0	9,0		●	●
MF 16	1,50	14,5	70	22	12,0	9,0		●	●
MF 18	1,00	17,0	80	22	14,0	11,0		●	●
MF 18	1,50	16,5	80	22	14,0	11,0		●	●

N: Impiego tradizionale
universal application

* Misura non in standard ISO / These sizes are not ISO standard. - Il maschio sbozzatore è disponibile a richiesta / Only available as set. Only taper Tap (No. 1) upon request.

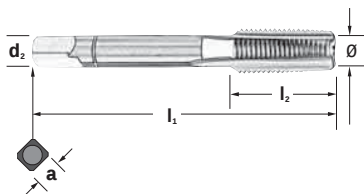
● Utensile disponibile a magazzino / Items available ex stock



Maschi a mano in serie di 2 pezzi composta da sbozzatore e finitore per Filettatura Metrica ISO Passo Fine DIN 13

Hand taps, serial, in set of 2 pieces
for ISO metric fine threads as per DIN 13

MF SERIE 6633



Tipo / Type								N	N
Tolleranza Tolerance								6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								A/5-6	A/5-6
Direzione di taglio Cutting direction									
Materiale/Material								HSS	HSS
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6633 P	6633 T
MF 18	2,0	16,00	80	22	14	11,0		●	●
MF 20	1,0	19,00	80	22	16	12,0		●	●
MF 20	1,5	18,50	80	22	16	12,0		●	●
MF 20	2,0	18,00	80	22	16	12,0		●	●
MF 22	1,0	21,00	80	22	18	14,5		●	●
MF 22	1,5	20,50	80	22	18	14,5		●	●
MF 22	2,0	20,00	80	22	18	14,5		●	●
MF 24	1,0	23,00	90	22	18	14,5		●	●
MF 24	1,5	22,50	90	22	18	14,5		●	●
MF 24	2,0	22,00	90	22	18	14,5		●	●
MF 26	1,5	24,50	90	22	18	14,5		●	●
MF 27	1,5	25,50	90	22	20	16,0		●	●
MF 27	2,0	25,00	90	22	20	16,0		●	●
MF 28	1,5	26,50	90	22	20	16,0		●	●
MF 30	1,0	29,00	90	22	22	18,0		●	●
MF 30	1,5	28,50	90	22	22	18,0		●	●
MF 30	2,0	28,00	90	22	22	18,0		●	●
MF 32	1,5	30,50	90	22	22	18,0		●	●
MF 33	1,5	31,50	100	25	25	20,0		●	●
MF 34	1,5	32,50	100	25	28	22,0		●	●
MF 35	1,5	33,50	100	25	25	20,0		●	●
MF 36	1,5	34,50	100	25	28	22,0		●	●
MF 36	3,0	33,00	125	40	28	22,0		●	●
MF 38	1,5	36,50	100	25	28	22,0		●	●
MF 40	1,5	38,50	110	25	32	24,0		●	●
MF 42	1,5	40,50	110	25	32	24,0		●	●
MF 45	1,5	43,50	110	25	36	29,0		●	●
MF 48	1,5	46,50	140	40	36	29,0		●	●
MF 48	2,0	46,00	140	40	36	29,0		●	●
MF 48	3,0	45,00	140	40	36	29,0		●	●
MF 50	1,5	48,50	140	40	36	29,0		●	●
MF 52	1,5	50,50	140	40	40	32,0		●	●

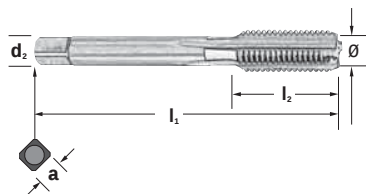
N: Impiego tradizionale
universal application

* Misura non in standard ISO / These sizes are not ISO standard. - Il maschio sbozzatore è disponibile a richiesta / Only available as set. Only taper Tap (No. 1) upon request.

● Utensile disponibile a magazzino / Items available ex stock



Maschi a macchina corti
per Filettatura Metrica ISO Passo Fine DIN 13
 Short machine taps
 for ISO metric fine thread as per DIN 13



Tipo / Type								N	N 15°	MS
Tolleranza Tolerance								6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction										
Materiale/Material								HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6899	6656	6724
MF 4	0,50	3,5	45	10	4,5	3,4		-	●	●
MF 5	0,50	4,5	50	12	6,0	4,9		-	●	●
MF 6	0,50	5,5	50	14	6,0	4,9		●	●	●
MF 6	0,75	5,2	50	14	6,0	4,9		●	-	●
MF 7	0,75	6,2	50	14	6,0	4,9		-	-	●
MF 8	0,50	7,5	50	19	6,0	4,9		●	●	●
MF 8	0,75	7,2	50	19	6,0	4,9		●	●	●
MF 8	1,00	7,0	56	22	6,0	4,9		●	-	●
MF 9	1,00	8,0	63	22	7,0	5,5		●	-	●
MF 10	0,75	9,2	63	20	7,0	5,5		●	-	●
MF 10	1,00	9,0	63	20	7,0	5,5		●	●	●
MF 10	1,25	8,8	70	24	7,0	5,5		●	-	●
MF 11	1,00	10,0	63	20	8,0	6,2		-	-	●
MF 12	1,00	11,0	70	22	9,0	7,0		●	●	●
MF 12	1,25	10,8	70	22	9,0	7,0		●	-	●
MF 12	1,50	10,5	70	22	9,0	7,0		●	●	●
MF 14	1,00	10,5	70	22	9,0	7,0		●	-	-
MF 14	1,25	10,5	70	22	9,0	7,0		●	-	-
MF 14	1,50	12,5	70	22	11,0	9,0		●	●	-
MF 16	1,00	12,5	70	22	11,0	9,0		●	-	-
MF 16	1,50	14,5	70	22	12,0	9,0		●	●	-
MF 18	1,00	14,5	70	22	12,0	9,0		●	-	-
MF 18	1,50	16,5	80	22	14,0	11,0		●	●	-
MF 18	2,00	16,5	80	22	14,0	11,0		●	-	-
MF 20	1,00	16,5	80	22	14,0	11,0		●	-	-
MF 20	1,50	18,5	80	22	16,0	12,0		●	●	-
MF 20	2,00	18,5	80	22	16,0	12,0		●	-	-
MF 22	1,50	20,5	80	22	18,0	14,5		-	●	-
MF 24	1,50	22,5	90	22	18,0	14,5		-	●	-

N: Impiego tradizionale
universal application

N 15°: normale a 15°
right hand helix

MS: per ottone
for brass

● Utensile disponibile a magazzino / Items available ex stock



Angelo Ghezzi & C SpA

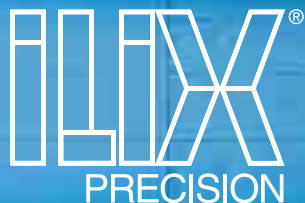


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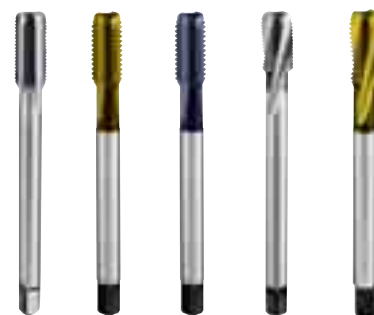
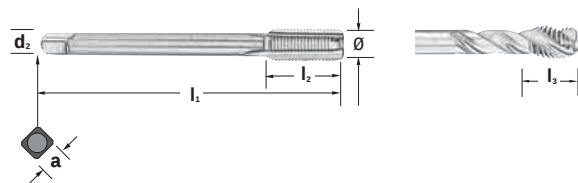


www.angeloghezzi.it



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



Tipo / Type									N	N	N	N 15°	N 15°
Tolleranza Tolerance									6 H	6 H	6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction													
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ MAX mm	l ₃ mm	d ₂ mm h9	a h12		6726	6726 TN	6726 TC	6664	6664 TN
MF 3	0,35	2,65	56	9	5	2,2	-		●	●	●	-	-
MF 3,5	0,35	3,15	56	10	6	2,5	2,1		●	●	●	-	-
MF 4	0,50	3,50	63	10	7	2,8	2,1		●	●	●	-	-
MF 5	0,50	4,50	70	12	8	3,5	2,7		●	●	●	-	-
MF 6	0,50	5,50	80	14	10	4,5	3,4		●	●	●	-	-
MF 6	0,75	5,20	80	14	10	4,5	3,4		●	●	●	-	-
MF 7	0,75	6,20	80	14	10	5,5	4,3		●	●	●	-	-
MF 8	0,50	7,50	80	19	12	6,0	4,9		●	●	●	-	-
MF 8	0,75	7,20	80	19	12	6,0	4,9		●	●	●	●	●
MF 8	1,00	7,00	90	22	12	6,0	4,9		●	●	●	●	●
MF 9	1,00	8,00	90	22	12	7,0	5,5		●	●	●	-	-
MF 10	0,75	9,20	90	20	14	7,0	5,5		●	●	●	-	-
MF 10	1,00	9,00	90	20	14	7,0	5,5		●	●	●	●	●
MF 10	1,25	8,80	100	24	14	7,0	5,5		●	●	●	●	●
MF 11	1,00	10,00	90	20	14	8,0	6,2		●	●	●	-	-
MF 12	1,00	11,00	100	22	16	9,0	7,0		●	●	●	●	●
MF 12	1,25	10,80	100	22	16	9,0	7,0		●	●	●	-	-
MF 12	1,50	10,50	100	22	16	9,0	7,0		●	●	●	●	●
MF 14	1,00	13,00	100	22	20	11,0	9,0		●	●	●	-	-
MF 14	1,25*	12,80	100	22	20	11,0	9,0		●	●	●	-	-
MF 14	1,50	12,50	100	22	20	11,0	9,0		●	●	●	●	●
MF 15	1,00	14,00	100	22	20	12,0	9,0		●	●	●	-	-
MF 15	1,50	13,50	100	22	20	12,0	9,0		●	●	●	-	-
MF 16	1,00	15,00	100	22	20	12,0	9,0		●	●	●	-	-
MF 16	1,50	14,50	100	22	20	12,0	9,0		●	●	●	●	●
MF 18	1,00	17,00	110	25	25	14,0	11,0		●	●	●	-	-
MF 18	1,50	16,50	110	25	25	14,0	11,0		●	●	●	●	●
MF 18	2,00	16,00	125	34	25	14,0	11,0		●	●	●	-	-
MF 20	1,00	19,00	125	25	25	16,0	12,0		●	●	●	-	-
MF 20	1,50	18,50	125	25	25	16,0	12,0		●	●	●	●	●
MF 20	2,00	18,00	140	34	25	16,0	12,0		●	●	●	-	-
MF 22	1,00	21,00	125	25	25	18,0	14,5		●	●	●	-	-

N: Impiego tradizionale
universal application

N 15°: normale a 15°
right hand helix

* Misura non in standard ISO / These sizes are not ISO standard.

● 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


N 15°	N 15°	N 5x 40°	N 40°	VAP 40°	N 40°	N 40°	N 40°	Tipo / Type			
6 H	6 H+0,1	6 H	6 H	6 H	6 H	6 H	6 H	Tolleranza Tolerance			
C/2,5-3	E/1-2	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	E/1-2	Forma/Filetti d'imbocco Chamfer form / No. of threads			
								Direzione di taglio Cutting direction			
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material			
6664 TC	6904	6864	6652	6652 VP	6652 TN	6652 TC	6877	Ø mm	Passo Pitch	Preforo Tap drill	
-	-	-	●	●	●	●	-	MF 3	0,35	2,65	
-	-	-	●	●	●	●	-	MF 3,5	0,35	3,15	
-	-	-	●	●	●	●	-	MF 4	0,50	3,50	
-	-	-	●	●	●	●	-	MF 5	0,50	4,50	
-	-	-	●	●	●	●	●	MF 6	0,50	5,50	
-	-	-	●	●	●	●	●	MF 6	0,75	5,20	
-	-	-	-	-	-	-	-	MF 7	0,75	6,20	
-	-	-	-	-	-	-	-	MF 8	0,50	7,50	
●	-	-	●	●	●	●	●	MF 8	0,75	7,20	
●	-	●	●	●	●	●	●	MF 8	1,00	7,00	
-	-	-	-	-	-	-	-	MF 9	1,00	8,00	
-	-	-	-	-	-	-	-	MF 10	0,75	9,20	
●	-	●	●	●	●	●	●	MF 10	1,00	9,00	
●	-	-	●	●	●	●	●	MF 10	1,25	8,80	
-	-	-	-	-	-	-	-	MF 11	1,00	10,00	
●	-	●	●	●	●	●	●	MF 12	1,00	11,00	
-	-	-	-	-	-	-	●	MF 12	1,25	10,80	
●	-	●	●	●	●	●	●	MF 12	1,50	10,50	
-	-	-	-	-	-	-	-	MF 14	1,00	13,00	
-	-	-	-	-	-	-	-	MF 14	1,25*	12,80	
●	-	●	●	●	●	●	●	MF 14	1,50	12,50	
-	-	-	-	-	-	-	-	MF 15	1,00	14,00	
-	-	-	-	-	-	-	-	MF 15	1,50	13,50	
-	●	-	-	-	-	-	-	MF 16	1,00	15,00	
●	-	●	●	●	●	●	●	MF 16	1,50	14,50	
-	●	-	-	-	-	-	-	MF 18	1,00	17,00	
●	-	●	●	●	●	●	●	MF 18	1,50	16,50	
-	-	-	-	-	-	-	-	MF 18	2,00	16,00	
-	●	-	-	-	-	-	-	MF 20	1,00	19,00	
●	-	●	●	●	●	●	●	MF 20	1,50	18,50	
-	-	-	-	-	-	-	-	MF 20	2,00	18,00	
-	●	-	-	-	-	-	-	MF 22	1,00	21,00	

 N 15°: normale a 15°
right hand helix

 N 40°: normale a 40°
right hand helix

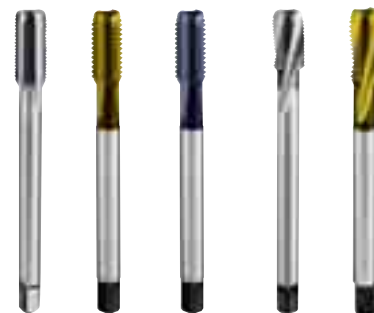
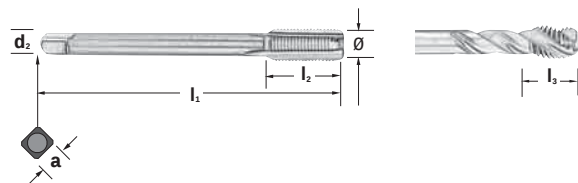
 VAP: vaporizzato
vaporized

● 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

[illegible]

N: Impiego tradizionale
universal application

N 15°: normale a 15°
right hand helix

* Misura non in standard ISO / These sizes are not ISO standard.

● 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



N 15°	N 15°	N 5x 40°	N 40°	VAP 40°	N 40°	N 40°	N 40°	Tipo / Type				
6 H	6 H+0,1	6 H	6 H	6 H	6 H	6 H	6 H	Tolleranza Tolerance				
C/2,5-3	E/1-2	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	E/1-2	Forma/Filetti d'imbocco Chamfer form / No. of threads				
								Direzione di taglio Cutting direction				
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material				
6664 TC	6904	6864	6652	6652 VP	6652 TN	6652 TC	6877	Ø mm	Passo Pitch	Preforo Tap drill		
●	-	-	●	●	●	●	-	MF 22	1,50	20,50		
-	-	-	-	-	-	-	-	MF 22	2,00	20,00		
-	●	-	-	-	-	-	-	MF 24	1,00	23,00		
●	-	-	●	●	●	●	-	MF 24	1,50	22,50		
●	-	-	-	-	-	-	-	MF 24	2,00	22,00		
●	-	-	●	●	●	●	-	MF 26	1,50	24,50		
●	-	-	●	●	●	●	-	MF 27	1,50	25,50		
●	-	-	●	●	●	●	-	MF 27	2,00	25,00		
●	-	-	●	●	●	●	-	MF 28	1,50	26,50		
●	-	-	-	-	-	-	-	MF 30	1,00	29,00		
-	-	-	●	●	●	●	-	MF 30	1,50	28,50		
-	-	-	●	●	●	●	-	MF 30	2,00	28,00		
-	-	-	-	-	-	-	-	MF 32	1,50	30,50		
-	-	-	-	-	-	-	-	MF 33	1,50	31,50		
-	-	-	-	-	-	-	-	MF 34	1,50	32,50		
-	-	-	-	-	-	-	-	MF 35	1,50	33,50		
-	-	-	-	-	-	-	-	MF 36	1,50	34,50		
-	-	-	-	-	-	-	-	MF 38	1,50	36,50		
-	-	-	-	-	-	-	-	MF 40	1,50	38,50		
-	-	-	-	-	-	-	-	MF 42	1,50	40,50		
-	-	-	-	-	-	-	-	MF 45	1,50	43,50		
-	-	-	-	-	-	-	-	MF 48	1,50	46,50		
-	-	-	-	-	-	-	-	MF 50	1,50	48,50		
-	-	-	-	-	-	-	-	MF 52	1,50	50,50		

N 15°: normale a 15°
right hand helix

N 40°: normale a 40°
right hand helix

VAP: vaporizzato
vaporized

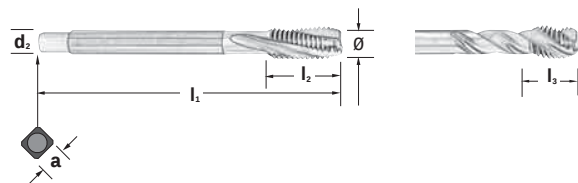


Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Fine DIN 13

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



Lubrificazione assiale
Axial internal cooling



Tipo / Type									VA 15°	VA i 15°	VA i 15°	VA 35°	VAP 35°	VA 35°	VA 35°
Tolleranza Tolerance									6 HX	6 HX	6 HX	6 HX	6 HX	6 HX	6 GX
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction															
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12		6671	6626	6626 XP	6655	6655 VP	6655 XP	6655 6G
MF 3	0,35	2,65	56	9	5	2,2	-		-	-	-	-	-	-	-
MF 3,5	0,35	3,15	56	10	6	2,5	2,1		-	-	-	-	-	-	-
MF 4	0,50	3,50	63	10	7	2,8	2,1		-	-	-	-	-	-	-
MF 5	0,50	4,50	70	12	8	3,5	2,7		-	-	-	-	-	-	-
MF 6	0,50	5,50	80	14	10	4,5	3,4		-	-	-	-	-	-	-
MF 6	0,75	5,20	80	14	10	4,5	3,4		-	-	-	-	-	-	-
MF 7	0,75	6,20	80	14	10	5,5	4,3		-	-	-	-	-	-	-
MF 8	0,50	7,50	80	19	12	6,0	4,9		-	-	-	-	-	-	-
MF 8	0,75	7,20	80	19	12	6,0	4,9		-	-	-	-	-	-	-
MF 8	1,00	7,00	90	22	12	6,0	4,9		●	●	●	●	●	●	●
MF 9	1,00	8,00	90	22	12	7,0	5,5		-	-	-	-	-	-	-
MF 10	0,75	9,20	90	20	14	7,0	5,5		-	-	-	-	-	-	-
MF 10	1,00	9,00	90	20	14	7,0	5,5		●	●	●	●	●	●	●
MF 10	1,25	8,80	100	24	14	7,0	5,5		●	●	●	●	●	●	-
MF 11	1,00	10,00	90	20	14	8,0	6,2		-	-	-	-	-	-	-
MF 12	1,00	11,00	100	22	16	9,0	7,0		●	●	●	●	●	●	●
MF 12	1,25	10,80	100	22	16	9,0	7,0		-	●	●	-	-	-	-
MF 12	1,50	10,50	100	22	16	9,0	7,0		●	●	●	●	●	●	●
MF 14	1,00	13,00	100	22	20	11,0	9,0		-	-	-	-	-	-	-
MF 14	1,25*	12,80	100	22	20	11,0	9,0		-	-	-	-	-	-	-
MF 14	1,50	12,50	100	22	20	11,0	9,0		●	●	●	●	●	●	●
MF 15	1,00	14,00	100	22	20	12,0	9,0		-	-	-	-	-	-	-
MF 15	1,50	13,50	100	22	20	12,0	9,0		-	-	-	-	-	-	-
MF 16	1,00	15,00	100	22	20	12,0	9,0		-	-	-	-	-	-	-
MF 16	1,50	14,50	100	22	20	12,0	9,0		●	●	●	●	●	●	●
MF 18	1,00	17,00	110	25	25	14,0	11,0		-	-	-	-	-	-	-
MF 18	1,50	16,50	110	25	25	14,0	11,0		●	●	●	●	●	●	●

VA: Per acciaio inossidabile
for stainless steel

VA i: Per acciaio inox con fori di lubrificazione
for stainless steel, with internal cooling

VAP: vaporizzato
vaporized

* Misura non in standard ISO / These sizes are not ISO standard.

● 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



GG	HD 15°	HD 15°	Alu 45°	Tipo / Type		
6 HX	6 H	6 H	6 H	Tolleranza Tolerance		
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads		
				Direzione di taglio Cutting direction		
HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material		
6653	6880	6880 HL	6731	Ø mm	Passo Pitch	Preforo Tap drill
-	-	-	-	MF 3	0,35	2,65
-	-	-	-	MF 3,5	0,35	3,15
-	-	-	-	MF 4	0,50	3,50
-	-	-	-	MF 5	0,50	4,50
-	-	-	-	MF 6	0,50	5,50
-	●	●	-	MF 6	0,75	5,20
-	-	-	-	MF 7	0,75	6,20
-	-	-	-	MF 8	0,50	7,50
-	●	●	-	MF 8	0,75	7,20
●	●	●	●	MF 8	1,00	7,00
●	-	-	-	MF 9	1,00	8,00
-	-	-	-	MF 10	0,75	9,20
●	●	●	●	MF 10	1,00	9,00
●	-	-	●	MF 10	1,25	8,80
-	-	-	-	MF 11	1,00	10,00
-	●	●	●	MF 12	1,00	11,00
-	-	-	-	MF 12	1,25	10,80
●	●	●	●	MF 12	1,50	10,50
-	-	-	-	MF 14	1,00	13,00
-	-	-	-	MF 14	1,25*	12,80
●	●	●	●	MF 14	1,50	12,50
-	-	-	-	MF 15	1,00	14,00
-	-	-	-	MF 15	1,50	13,50
-	-	-	-	MF 16	1,00	15,00
●	●	●	●	MF 16	1,50	14,50
-	-	-	-	MF 18	1,00	17,00
●	●	●	●	MF 18	1,50	16,50

HD : per materiali tenaci
for tough materials
GG: per ghisa
for cast iron

Alu: per alluminio
for Aluminium

● Utensile disponibile a magazzino / Items available ex stock

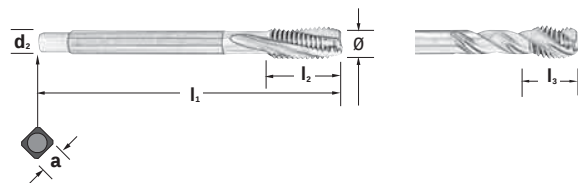


Maschi a macchina con gambo passante per Filettatura Metrica ISO Passo Fine DIN 13

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



Lubrificazione assiale
Axial internal cooling

[illegible]

VA: Per acciaio inossidabile
for stainless steel

VA i: Per acciaio inox con fori di lubrificazione
for stainless steel, with internal cooling

VAP: vaporizzato
vaporized

* Misura non in standard ISO / These sizes are not ISO standard.

● Utensile disponibile a magazzino / Items available ex stock

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

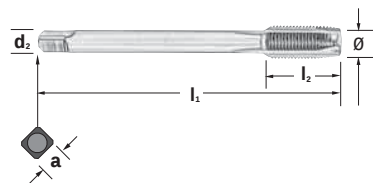


MULTI HD: Ad alta prestazione
per materiali tenaci
High performance taps
for tough materials



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



Tipo / Type								Rapid	Rapid VAP	Rapid	Rapid	N Sx	NL 15°
Tolleranza Tolerance								6 H	6 H	6 H	6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction													
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6730	6730 VP	6730 TN	6730 TC	6863	6741
MF 3	0,35	2,65	56	9	2,2	-		●	●	●	●	-	-
MF 3,5	0,35	3,15	56	10	2,5	2,1		●	●	●	●	-	-
MF 4	0,50	3,50	63	10	2,8	2,1		●	●	●	●	-	-
MF 5	0,50	4,50	70	12	3,5	2,7		●	●	●	●	-	-
MF 6	0,50	5,50	80	14	4,5	3,4		●	●	●	●	-	-
MF 6	0,75	5,20	80	14	4,5	3,4		●	●	●	●	-	-
MF 7	0,75	6,20	80	14	5,5	4,3		●	●	●	●	-	-
MF 8	0,50	7,50	80	19	6,0	4,9		●	●	●	●	-	-
MF 8	0,75	7,20	80	19	6,0	4,9		●	●	●	●	-	●
MF 8	1,00	7,00	90	22	6,0	4,9		●	●	●	●	●	●
MF 9	1,00	8,00	90	22	7,0	5,5		●	●	●	●	-	-
MF 10	0,75	9,20	90	20	7,0	5,5		●	●	●	●	-	-
MF 10	1,00	9,00	90	20	7,0	5,5		●	●	●	●	●	●
MF 10	1,25	8,80	100	24	7,0	5,5		●	●	●	●	-	-
MF 11	1,00	10,00	90	20	8,0	6,2		●	●	●	●	-	-
MF 12	1,00	11,00	100	22	9,0	7,0		●	●	●	●	●	●
MF 12	1,25	10,80	100	22	9,0	7,0		●	●	●	●	-	-
MF 12	1,50	10,50	100	22	9,0	7,0		●	●	●	●	●	●
MF 14	1,00	13,00	100	22	11,0	9,0		●	●	●	●	-	-
MF 14	1,25*	12,80	100	22	11,0	9,0		●	●	●	●	-	-
MF 14	1,50	12,50	100	22	11,0	9,0		●	●	●	●	●	●
MF 15	1,00	14,00	100	22	12,0	9,0		●	●	●	●	-	-
MF 15	1,50	13,50	100	22	12,0	9,0		●	●	●	●	-	-
MF 16	1,00	15,00	100	22	12,0	9,0		●	●	●	●	-	-
MF 16	1,50	14,50	100	22	12,0	9,0		●	●	●	●	●	●
MF 18	1,00	16,50	110	25	14,0	11,0		●	●	●	●	-	-
MF 18	1,50	16,50	110	25	14,0	11,0		●	●	●	●	●	●
MF 18	2,00	16,00	125	34	14,0	11,0		●	●	●	●	-	-

Rapid: Impiego tradizionale
universal application
VAP: vaporizzato
vaporized

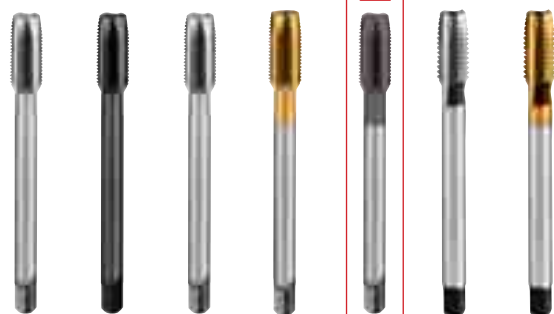
NL15°: elica sinistra a 15°
left hand helix
N: Impiego tradizionale
universal application

* Misura non in standard ISO / These sizes are not ISO standard.

● 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



VA	VAP	VA	VA	VA	HD	HD	Tipo / Type		
6 HX	6 HX	6 GX	6 HX	6 HX	6 H	6 H	Tolleranza Tolerance		
B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	Forma/Filetti d'imbocco Chamfer form / No. of threads		
							Direzione di taglio Cutting direction		
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material		
6663	6663 VP	6663 6G	6663 TN	6663 XP	6872	6872 TN	Ø mm	Passo Pitch	Preforo Tap drill
-	-	-	-	-	-	-	MF 3	0,35	2,65
-	-	-	-	-	-	-	MF 3,5	0,35	3,15
-	-	-	-	-	-	-	MF 4	0,50	3,50
-	-	-	-	-	-	-	MF 5	0,50	4,50
-	-	-	-	-	-	-	MF 6	0,50	5,50
-	-	-	-	-	●	●	MF 6	0,75	5,20
-	-	-	-	-	-	-	MF 7	0,75	6,20
-	-	-	-	-	●	●	MF 8	0,75	7,20
●	●	●	●	●	●	●	MF 8	1,00	7,00
-	-	-	-	-	-	-	MF 9	1,00	8,00
-	-	-	-	-	-	-	MF 10	0,75	9,20
●	●	●	●	●	●	●	MF 10	1,00	9,00
●	●	-	●	●	-	-	MF 10	1,25	8,80
-	-	-	-	-	-	-	MF 11	1,00	10,00
●	●	●	●	●	●	●	MF 12	1,00	11,00
-	-	-	-	-	-	-	MF 12	1,25	10,80
●	●	●	●	●	●	●	MF 12	1,50	10,50
-	-	-	-	-	-	-	MF 14	1,00	13,00
-	-	-	-	-	-	-	MF 14	1,25*	12,80
●	●	●	●	●	●	●	MF 14	1,50	12,50
-	-	-	-	-	-	-	MF 15	1,00	14,00
-	-	-	-	-	-	-	MF 15	1,50	13,50
-	-	-	-	-	-	-	MF 16	1,00	15,00
●	●	●	●	●	●	●	MF 16	1,50	14,50
-	-	-	-	-	-	-	MF 18	1,00	16,50
●	●	●	●	●	●	●	MF 18	1,50	16,50
-	-	-	-	-	-	-	MF 18	2,00	16,00

VA: Per acciaio inossidabile
for stainless steel

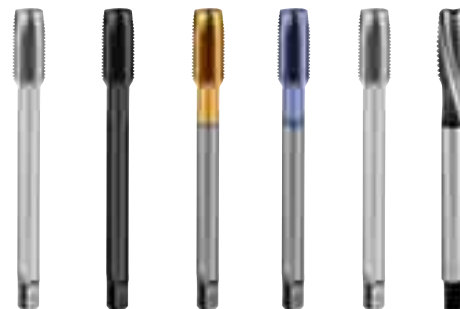
HD: per materiali tenaci
for tough materials

VAP: vaporizzato
vaporized



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



Tipo / Type								Rapid	Rapid VAP	Rapid	Rapid	N Sx	NL 15°
Tolleranza Tolerance								6 H	6 H	6 H	6 H	6 H	6 H
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction													
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Passo Pitch	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6730	6730 VP	6730 TN	6730 TC	6863	6741
MF 20	1,00	19,00	125	25	16,0	12,0		●	●	●	●	-	-
MF 20	1,50	18,50	125	25	16,0	12,0		●	●	●	●	●	●
MF 20	2,00	18,00	140	34	16,0	12,0		●	●	●	●	-	-
MF 22	1,00	21,00	125	25	18,0	14,5		●	●	●	●	-	-
MF 22	1,50	20,50	125	25	18,0	14,5		●	●	●	●	-	-
MF 22	2,00	20,00	140	34	18,0	14,5		●	●	●	●	-	-
MF 24	1,00	23,00	140	28	18,0	14,5		●	●	●	●	-	-
MF 24	1,50	22,50	140	28	18,0	14,5		●	●	●	●	-	-
MF 24	2,00	22,00	140	28	18,0	14,5		●	●	●	●	-	-
MF 26	1,50	24,50	140	28	18,0	14,5		●	●	●	●	-	-
MF 27	1,50	25,50	140	28	20,0	16,0		●	●	●	●	-	-
MF 27	2,00	25,00	140	28	20,0	16,0		●	●	●	●	-	-
MF 28	1,50	26,50	140	28	20,0	16,0		●	●	●	●	-	-
MF 30	1,00	29,00	150	28	22,0	18,0		●	●	●	●	-	-
MF 30	1,50	28,50	150	28	22,0	18,0		●	●	●	●	-	-
MF 30	2,00	28,00	150	28	22,0	18,0		●	●	●	●	-	-
MF 32	1,50	30,50	150	28	22,0	18,0		●	●	●	●	-	-
MF 33	1,50	31,50	160	30	25,0	20,0		●	●	●	●	-	-
MF 34	1,50	32,50	170	30	28,0	22,0		●	●	●	●	-	-
MF 35	1,50	33,50	170	30	28,0	22,0		●	●	●	●	-	-
MF 36	1,50	34,50	170	30	28,0	22,0		●	●	●	●	-	-
MF 38	1,50	36,50	170	30	28,0	22,0		●	●	●	●	-	-
MF 40	1,50	38,50	170	30	32,0	24,0		●	●	●	●	-	-
MF 42	1,50	40,50	170	30	32,0	24,0		●	●	●	●	-	-
MF 45	1,50	43,50	180	32	36,0	29,0		●	●	●	●	-	-
MF 48	1,50	46,50	190	32	36,0	29,0		●	●	●	●	-	-
MF 50	1,50	48,50	190	32	36,0	29,0		●	●	●	●	-	-
MF 52	1,50	50,50	190	32	40,0	32,0		●	●	●	●	-	-

Rapid: Impiego tradizionale
universal application
VAP: vaporizzato
vaporized

NL15°: elica sinistra a 15°
left hand helix
N: Impiego tradizionale
universal application

* Misura non in standard ISO / These sizes are not ISO standard.

● 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



VA	VAP	VA	VA	VA	HD	HD	Tipo / Type		
6 HX	6 HX	6 GX	6 HX	6 HX	6 H	6 H	Tolleranza Tolerance		
B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	B/4-5	Forma/Filetti d'imbocco Chamfer form / No. of threads		
							Direzione di taglio Cutting direction		
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material		
6663	6663 VP	6663 6G	6663 TN	6663 XP	6872	6872 TN	Ø mm	Passo Pitch	Preforo Tap drill
-	-	-	-	-	-	-	MF 20	1,00	19,00
●	●	●	●	●	●	●	MF 20	1,50	18,50
●	●	-	●	-	-	-	MF 20	2,00	18,00
-	-	-	-	-	-	-	MF 22	1,00	21,00
●	●	-	●	-	●	●	MF 22	1,50	20,50
●	●	-	●	-	-	-	MF 22	2,00	20,00
-	-	-	-	-	-	-	MF 24	1,00	23,00
●	●	●	●	●	●	●	MF 24	1,50	22,50
●	●	-	●	-	-	-	MF 24	2,00	22,00
●	●	-	●	-	-	-	MF 26	1,50	24,50
●	●	-	●	-	-	-	MF 27	1,50	25,50
●	●	-	●	-	-	-	MF 27	2,00	25,00
-	-	-	-	-	-	-	MF 28	1,50	26,50
-	-	-	-	-	-	-	MF 30	1,00	29,00
●	●	-	●	-	-	-	MF 30	1,50	28,50
●	●	-	●	-	-	-	MF 30	2,00	28,00
-	-	-	-	-	-	-	MF 32	1,50	30,50
-	-	-	-	-	-	-	MF 33	1,50	31,50
-	-	-	-	-	-	-	MF 34	1,50	32,50
-	-	-	-	-	-	-	MF 35	1,50	33,50
-	-	-	-	-	-	-	MF 36	1,50	34,50
-	-	-	-	-	-	-	MF 38	1,50	36,50
-	-	-	-	-	-	-	MF 40	1,50	38,50
-	-	-	-	-	-	-	MF 42	1,50	40,50
-	-	-	-	-	-	-	MF 45	1,50	43,50
-	-	-	-	-	-	-	MF 48	1,50	46,50
-	-	-	-	-	-	-	MF 50	1,50	48,50
-	-	-	-	-	-	-	MF 52	1,50	50,50

VA: Per acciaio inossidabile
for stainless steel

HD: per materiali tenaci
for tough materials

VAP: vaporizzato
vaporized

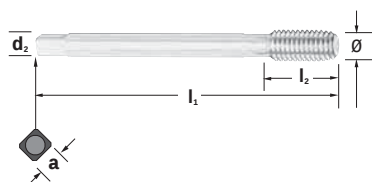


Maschi a macchina a rullare con gambo passante per Filettatura Metrica ISO Passo Fine DIN 13

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

Ref. **6721** senza canalini / without coolant grooves

Ref. **6720** con canalini di lubrificazione / with coolant grooves

[illegible]

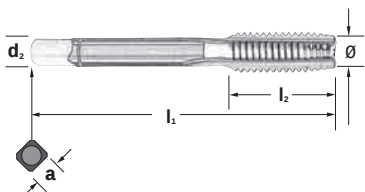
Former S: rullare con canalini
with coolant grooves

Former : rullare senza canalini
without coolant grooves



**Maschi a mano in serie di 3 pezzi
composta da sbozzatore intermedio e finitore
per Filettatura UNC Passo Grosso in generale
dimensioni come DIN 352**

Hand taps, serial, in set of 3 pieces
for unified coarse thread UNC
dimensions generally as per DIN 352



Tipo / Type								N	N	N
Tolleranza Tolerance								2 B	2 B	2 B
Forma/Filetti d'imbocco Chamfer form / No. of threads								A/5-6	D/3-4	C/2,5-3
Direzione di taglio Cutting direction										
Materiale/Material								HSS	HSS	HSS
Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9*	a h12		6775 P	6775 S	6775 T
								pezzo single tap	serie set	
UNC nr.	1 - 64	1,55	36	8	2,8	2,1		●	●	
UNC nr.	2 - 56	1,85	36	9	2,8	2,1		●	●	
UNC nr.	3 - 48	2,10	40	9	2,8	2,1		●	●	
UNC nr.	4 - 40	2,35	40	11	3,5	2,7		●	●	
UNC nr.	5 - 40	2,65	40	11	3,5	2,7		●	●	
UNC nr.	6 - 32	2,85	45	13	4,0	3,0		●	●	
UNC nr.	8 - 32	3,50	45	13	4,5	3,4		●	●	
UNC nr.	10 - 24	3,90	50	16	6,0	4,9		●	●	
UNC nr.	12 - 24	4,50	50	17	6,0	4,9		●	●	
UNC	1/4 - 20	5,10	50	19	6,0	4,9		●	●	
UNC	5/16 - 18	6,60	56	22	6,0	4,9		●	●	
UNC	3/8 - 16	8,00	63	22	7,0	5,5		●	●	
UNC	7/16 - 14	9,40	70	24	8,0	6,2		●	●	
UNC	1/2 - 13	10,80	75	29	9,0	7,0		●	●	
UNC	9/16 - 12	12,20	80	30	11,0	9,0		●	●	
UNC	5/8 - 11	13,50	80	32	12,0	9,0		●	●	
UNC	3/4 - 10	16,50	95	40	14,0	11,0		●	●	
UNC	7/8 - 9	19,50	100	40	18,0	14,5		●	●	
UNC	1 - 8	22,25	110	50	18,0	14,5		●	●	
UNC	1/8 - 7	25,00	125	56	22,0	18,0		●	●	
UNC	1/4 - 7	28,00	125	56	22,0	18,0		●	●	
UNC	3/8 - 6	30,75	150	63	28,0	22,0		●	●	
UNC	1/2 - 6	34,00	150	63	32,0	24,0		●	●	
UNC	3/4 - 5	39,50	160	70	36,0	29,0		●	●	
UNC nr.	2 - 4 1/2	45,00	180	75	40,0	32,0		●	●	

N: Impiego tradizionale
universal application

** La tolleranza del gambo per il 1° e 2° maschio è h 12 / Shank tolerance of 1st and 2nd tap h 12

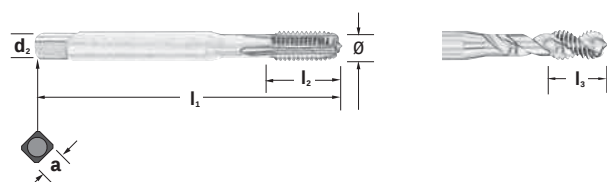
● Utensile disponibile a magazzino / Items available ex stock

DIN 2184/1 - UNC



**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



Tipo / Type										N	N 15°	N 40°	N 40°	N 40°
Tolleranza Tolerance										2 B	2 B	2 B	3 B	2 B
Forma/Filetti d'imbocco Chamfer form / No. of threads										C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction														
Materiale/Material										HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Filetti/1" Tpi			Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12	6823	6696	6691	6691 3B	6691 TN
UNC	nr.	2	- 56	1,85	45	9	4	2,8	2,1	-	-	●	●	●
UNC	nr.	3	- 48	2,10	50	9	4	2,8	2,1	●	●	●	●	●
UNC	nr.	4	- 40	2,35	56	11	5	3,5	2,7	●	●	●	●	●
UNC	nr.	5	- 40	2,65	56	11	5	3,5	2,7	●	●	●	●	●
UNC	nr.	6	- 32	2,85	56	13	6	4,0	3,0	●	●	●	●	●
UNC	nr.	8	- 32	3,50	63	13	7	4,5	3,4	●	●	●	●	●
UNC	nr.	10	- 24	3,90	70	16	8	6,0	4,9	●	●	●	●	●
UNC	nr.	12	- 24	4,50	80	17	10	6,0	4,9	●	●	●	●	●
UNC		1/4	- 20	5,10	80	17	10	7,0	5,5	●	●	●	●	●
UNC		5/16	- 18	6,60	90	20	12	8,0	6,2	●	●	●	●	●
UNC		3/8	- 16	8,00	90	20	12	10,0	8,0	●	●	●	●	●
Per misure con gambo passante superiori a M 3/8 vedi N. cod. / above M 3/8 refer to Cat.-No.										6824	6728	66942B	66943B	-

N 15°/40°: normale a 15°/40°
15°/40° right hand helix

N: Impiego tradizionale
universal application



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



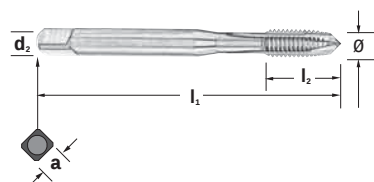
VA:	Per acciaio inossidabile for stainless steel	Alu:	per alluminio for Aluminium
VAP:	vaporizzato vaporized	HD:	per materiali tenaci for tough materials
VRP:	Per acciaio inox con rastremazione e vaporizzato for stainless steel, back tapered and vaporized		

DIN 2184/1 - UNC



**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



Tipo / Type								HD	Rapid	Rapid	Rapid	Ultra
Tolleranza Tolerance								2 B	2 B	3 B	2 B	2 B
Forma/Filetti d'imbocco Chamfer form / No. of threads								B/4-5	B/4-5	B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction												
Materiale/Material								HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Filetti/1"	Preforo	l ₁	l ₂	d ₂ mm	a		6873	6690	6690 3B	6690 TN	6737
Tpi	Tap drill	mm	mm	h9	h12							
UNC nr.	1 - 64	1,55	45	8	2,8	2,1		-	●	-	●	●
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	90	20	10,0	8,0		●	●	●	●	●
Per misure con gambo passante superiori a M 3/8 vedi N. cod. / above M 3/8 refer to Cat.-No.								6874	66932B	66933B	-	-

HD: per materiali tenaci
for tough materials

Rapid: Impiego tradizionale
universal application

Ultra: per lamiera
for sheet metals

● Utensile disponibile a magazzino / Items available ex stock



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

[illegible]

VAP: vaporizzato
vaporized



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DIN 2184/1 - UNC

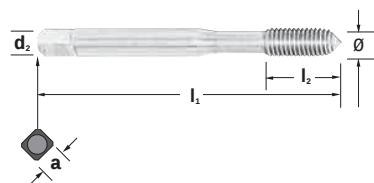


**Maschi a macchina a rullare con gambo rinforzato
per Filettatura UNC Passo Grosso ASME - B 1.1
in generale dimensioni similare doppio al DIN 371**

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

Ref. **6738** senza canalini / without coolant grooves

Ref. **6802** con canalini di lubrificazione / with coolant grooves



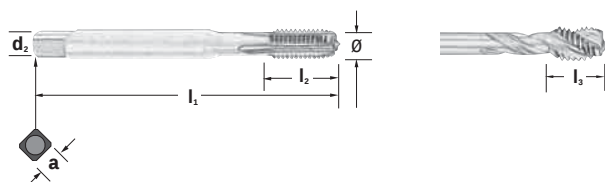
Tipo / Type								Former	Former S
Tolleranza Tolerance								2 BX	2 BX
Forma/Filetti d'imbocco Chamfer form / No. of threads								C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction									
Materiale/Material								HSS-Co	HSS-Co
Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6738	6802
UNC nr.	2 - 56	1,95	45	9	2,8	2,1		●	-
UNC nr.	3 - 48	2,30	50	9	2,8	2,1		●	-
UNC nr.	4 - 40	2,55	56	11	3,5	2,7		●	-
UNC nr.	5 - 40	2,85	56	11	3,5	2,7		●	●
UNC nr.	6 - 32	3,10	63	13	4,0	3,0		●	●
UNC nr.	8 - 32	3,80	70	13	4,5	3,4		●	●
UNC nr.	10 - 24	4,30	70	16	6,0	4,9		●	●
UNC nr.	12 - 24	5,00	80	19	6,0	4,9		●	●
UNC	1/4 - 20	5,75	80	19	7,0	5,5		●	●
UNC	5/16 - 18	7,25	90	22	8,0	6,2		●	●
UNC	3/8 - 16	8,70	90	22	10,0	8,0		●	●
Per misure con gambo passante superiori a M 3/8 vedi N. cod. / above M 3/8 refer to Cat.-No.								-	6811

Former S: rullare con canalini
with coolant grooves

Former : rullare senza canalini
without coolant grooves



for unified coarse thread UNC - ASME - B 1.1
dimensions generally as per DIN 376



N 15°/40°: normale a 15°/40°
15°/40°right hand helix

N: Impiego tradizionale
universal application

576



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

[illegible]

HD: per materiali tenaci
for tough materials

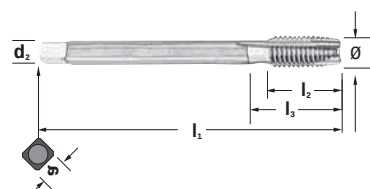
577

DIN 2184/1 - UNC



**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



Tipo / Type

Tolleranza
Tolerance

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

Direzione di taglio
Cutting direction

Materiale/Material



HD	Rapid	Rapid	VA	VA
2 B	2 B	3 B	2 BX	2 BX
B 4/5	B 4/5	B 4/5	B 4/5	B 4/5
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co

Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12	6874	6693	6693 3B	6749	6749 VP
UNC 7/16 - 14	9,40	100	14	24	8	6,2		●	●	●	-	-
UNC 1/2 - 13	10,80	110	16	29	9	7,0		●	●	●	●	●
UNC 9/16 - 12	12,20	110	20	30	11	9,0		●	●	●	-	-
UNC 5/8 - 11	13,50	110	20	32	12	9,0		●	●	●	●	●
UNC 3/4 - 10	16,50	125	25	34	14	11,0		●	●	●	●	●
UNC 7/8 - 9	19,50	140	25	34	18	14,5		●	●	●	●	●
UNC 1 - 8	22,25	160	30	38	18	14,5		●	●	●	●	●
UNC 1 1/8 - 7	25,00	180	-	45	22	18,0		-	●	●	-	-
UNC 1 1/4 - 7	28,00	180	-	50	22	18,0		-	●	●	-	-
UNC 1 3/8 - 6	30,75	200	-	56	28	22,0		-	●	●	-	-
UNC 1 1/2 - 6	34,00	200	-	60	32	24,0		-	●	●	-	-
UNC 1 3/4 - 5	39,50	220	-	65	36	29,0		-	●	●	-	-
UNC 2 - 4 1/2	45,00	250	-	70	40	32,0		-	●	●	-	-

Rapid: Impiego tradizionale
universal application
VA: Per acciaio inossidabile
for stainless steel

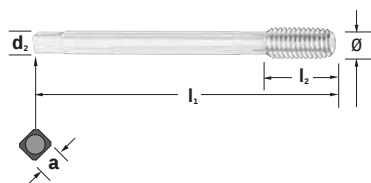
HD: per materiali tenaci
for tough materials

● Utensile disponibile a magazzino / Items available ex stock



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

con canalini di lubrificazione / with coolant grooves



Former S

2 BX

C/2,5-3



HSS-Co

[illegible]

● Utensile disponibile a magazzino / Items available ex stock



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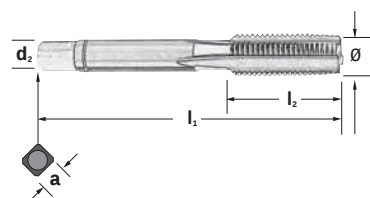
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DIN 2184/1 - UNF



Maschi a mano in serie di 2 pezzi composta da sbozzatore e finitore per Filettatura UNF Passo Fine ASME - B 1.1 in generale dimensioni similare doppio al DIN 2181

Hand taps, serial, in sets of 2 pieces for unified fine thread UNF - ASME - B 1.1 dimensions generally as per DIN 2181



Tipo / Type								N	N
Tolleranza Tolerance								2 B	2 B
Forma/Filetti d'imbocco Chamfer form / No. of threads								A/5-6	C/2,5-3
Direzione di taglio Cutting direction									
Materiale/Material								HSS	HSS
Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9*	a h12		6776 P	6776 T
UNF nr. 1 -	72	1,55	45	8	-	2,1		●	●
UNF nr. 2 -	72	1,90	45	9	-	2,1		●	●
UNF nr. 3 -	56	2,15	40	9	2,8	2,1		●	●
UNF nr. 4 -	48	2,40	40	11	3,5	2,7		●	●
UNF nr. 5 -	44	2,70	40	11	3,5	2,7		●	●
UNF nr. 6 -	40	2,95	45	13	4,0	3,0		●	●
UNF nr. 8 -	36	3,50	45	13	4,5	3,4		●	●
UNF nr. 10 -	32	4,10	50	12	6,0	4,9		●	●
UNF nr. 12 -	28	4,70	50	17	6,0	4,9		●	●
UNF 1/4 -	28	5,50	50	14	6,0	4,9		●	●
UNF 5/16 -	24	6,90	56	22	6,0	4,9		●	●
UNF 3/8 -	24	8,50	63	22	7,0	5,5		●	●
UNF 7/16 -	20	9,90	63	20	8,0	6,2		●	●
UNF 1/2 -	20	11,50	70	22	9,0	7,0		●	●
UNF 9/16 -	18	12,90	70	22	11,0	9,0		●	●
UNF 5/8 -	18	14,50	70	22	12,0	9,0		●	●
UNF 3/4 -	16	17,50	80	22	14,0	11,0		●	●
UNF 7/8 -	14	20,40	80	22	18,0	14,5		●	●
UNF 1 -	12	23,25	90	22	18,0	14,5		●	●
UNF 1 1/8 -	12	26,50	90	22	22,0	18,0		●	●
UNF 1 1/4 -	12	29,50	90	22	22,0	18,0		●	●
UNF 1 3/8 -	12	32,75	125	40	28,0	22,0		●	●
UNF 1 1/2 -	12	36,00	125	40	32,0	24,0		●	●

N: Impiego tradizionale
universal application

* La tolleranza del 1° maschio è h 12 / shank tolerance of 1st Tap: h12

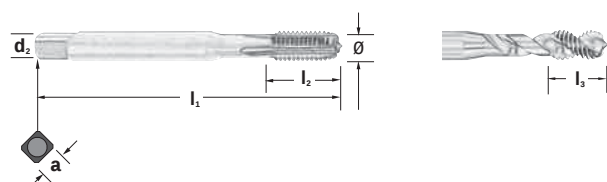
● Utensile disponibile a magazzino / Items available ex stock

DIN 2184/1 - UNF



**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



Tipo / Type									N	N 15°	N 40°	N 40°	N 40°
Tolleranza Tolerance									2 B	2 B	2 B	3 B	2 B
Forma/Filetti d'imbocco Chamfer form / No. of threads									C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction													
Materiale/Material									HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Filetti/1"	Preforo	l ₁	l ₂	l ₃	d ₂ mm	a		6838	6719	6680	6680 3B	6680 TN
Tpi	Tap drill	mm	mm	mm	h9	h12							
UNF nr. 1 - 72	1,55	45	8	-	2,8	2,1		●	-	-	-	-	-
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	5	3,5	-		●	●	●	●	●	●
UNF nr. 6 - 40	2,95	56	13	6	4,0	2,1		●	●	●	●	●	●
UNF nr. 8 - 36	3,50	63	13	7	4,5	2,1		●	●	●	●	●	●
UNF nr. 10 - 32	4,10	70	12	8	6,0	2,7		●	●	●	●	●	●
UNF nr. 12 - 28	4,70	80	17	10	6,0	3,0		●	●	●	●	●	●
UNF 1/4 - 28	5,50	80	14	10	7,0	3,4		●	●	●	●	●	●
UNF 5/16 - 24	6,90	90	22	12	8,0	4,9		●	●	●	●	●	●
UNF 3/8 - 24	8,50	90	22	12	10,0	7,0		●	●	●	●	●	●
Per misure con gambo passante superiori a 3/8 vedi N. cod. / above 3/8 refer to Cat.-No.									6839	6729	66882B	66883B	-

N 15°/40°: normale a 15°/40°
15°/40°right hand helix

N: Impiego tradizionale
universal application

● Utensile disponibile a magazzino / Items available ex stock



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

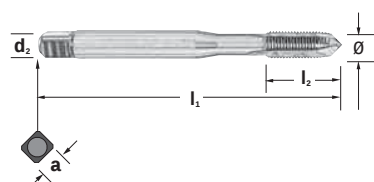
[illegible]

HD: per materiali tenaci
for tough materials

● Utensile disponibile a magazzino / Items available ex stock



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



Rapid: Impiego tradizionale
universal application

● Utensile disponibile a magazzino / Items available ex stock



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

[illegible]

VAP: vaporizzato
vaporized



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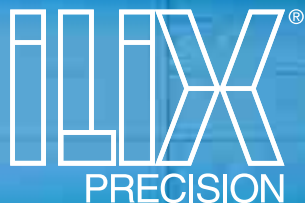


E-COMMERCE

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Unser prompter Service ist immer für Sie da
Nos services toujours à votre Disposition
Nuestro rápido servicio siempre listo para usted



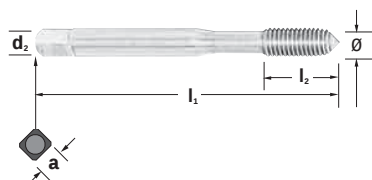
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for unified fine thread UNF - ASME - B 1.1 dimensions generally as per DIN 371

Ref. **6815** con canalini di lubrificazione / with coolant grooves

UNF



Former S: rullare con canalini with coolant grooves	Former : rullare senza canalini without coolant grooves
---	---

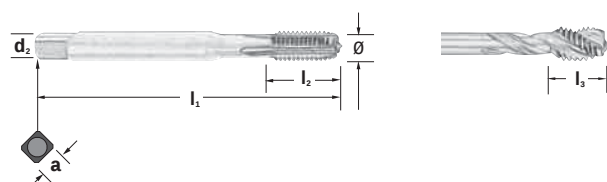
● Utensile disponibile a magazzino / Items available ex stock

DIN 2184/1 - UNF



**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



Tipo / Type										N	N 15°	N 40°	N 40°
Tolleranza Tolerance										2 B	2 B	2 B	3 B
Forma/Filetti d'imbocco Chamfer form / No. of threads										C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
Direzione di taglio Cutting direction													
Materiale/Material										HSS-Co	HSS-Co	HSS-Co	HSS-Co
Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12						
								6839	6729	6688	6688		
UNF 7/16 -	20	9,90	90	20	14	8	6,2	●	●	●	●		
UNF 1/2 -	20	11,50	100	22	16	9	7,0	●	●	●	●		
UNF 9/16 -	18	12,90	100	22	20	11	9,0	●	●	●	●		
UNF 5/8 -	18	14,50	100	22	20	12	9,0	●	●	●	●		
UNF 3/4 -	16	17,50	110	25	25	14	11,0	●	●	●	●		
UNF 7/8 -	14	20,40	125	25	25	18	14,5	●	●	●	●		
UNF 1 -	12	23,25	140	28	25	18	14,5	●	●	●	●		
UNF 1 1/8 -	12	26,50	150	28	26	22	15,0	●	-	-	-		
UNF 1 1/4 -	12	29,50	150	28	27	22	15,5	●	-	-	-		
UNF 1 3/8 -	12	32,75	170	30	27	28	16,0	●	-	-	-		
UNF 1 1/2 -	12	30,60	170	30	28	28	16,5	●	-	-	-		

N 15°/40°: normale a 15°/40°
15°/40°right hand helix

N: Impiego tradizionale
universal application

● 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



VA 35°	VRP 50°	HD 15°	ALU 45°	Tipo / Type		
2 B	2 BX	2 B	2 B	Tolleranza Tolerance		
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads		
				Direzione di taglio Cutting direction		
HSS-Co	HSS-Co	HSS-Co	HSS-Co	Materiale/Material		
6796	6855 VP	6849	6734	Ø mm	Filetti/1" Tpi	Preforo Tap drill
●	●	●	-	UNF 7/16	- 20	9,90
●	●	●	●	UNF 1/2	- 20	11,50
●	●	●	-	UNF 9/16	- 18	12,90
●	●	●	-	UNF 5/8	- 18	14,50
●	●	●	-	UNF 3/4	- 16	17,50
-	-	●	-	UNF 7/8	- 14	20,40
-	-	●	-	UNF 1	- 12	23,25
-	-	-	-	UNF 1 1/8	- 12	26,50
-	-	-	-	UNF 1 1/4	- 12	29,50
-	-	-	-	UNF 1 3/8	- 12	32,75
-	-	-	-	UNF 1 1/2	- 12	30,60

VA: Per acciaio inossidabile
for stainless steel

VRP: Per acciaio inox con rastremazione e vaporizzato
for stainless steel, back tapered and vaporized

HD: per materiali tenaci
for tough materials

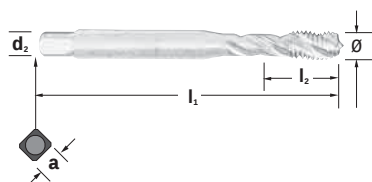
Alu: per alluminio
for Aluminium



Machine taps with reduced shank
for unified fine thread UN-8
dimensions generally as per DIN 376



NEW



VA: Per acciaio inossidabile
for stainless steel

● Utensile disponibile a magazzino / Items available ex stock



Angelo Ghezzi & C SpA

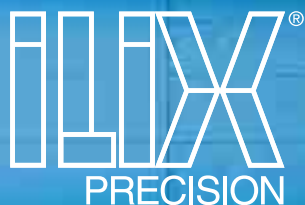


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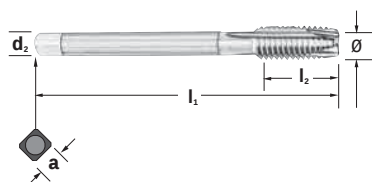
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Machine taps with reduced shank
for unified fine thread UNF - ASME - B 1.1
dimensions generally as per DIN 374



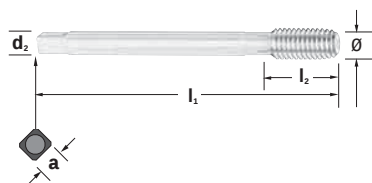
Rapid: Impiego tradizionale universal application	HD : per materiali tenaci for tough materials
VA: Per acciaio inossidabile for stainless steel	

592



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

con canalini di lubrificazione / with coolant grooves



Former S

2 BX

C/2,5-3

HSS-Co

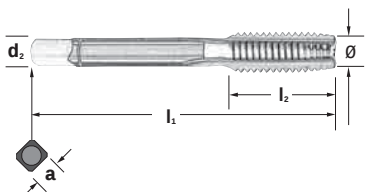
Former S: rullare con canalini
with coolant grooves

593



**Maschi a mano in serie di 3 pezzi
composta da sbozzatore, intermedio, finitore
per Filettatura Whitworth Standard Inglese DIN 11
in generale dimensioni come DIN 351**

Hand taps, serial, in sets of 3 pieces
for British standard Whitworth thread BSW
dimensions generally as per DIN 352



Tipo / Type								N	N	N
Tolleranza Tolerance								-	-	-
Forma/Filetti d'imbocco Chamfer form / No. of threads								A/5-6	D/3-4	C/2,5-3
Direzione di taglio Cutting direction										
Materiale/Material								HSS	HSS	HSS
Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9*	a h12		6603 P	6603 S	6603 T
								pezzo single tap	serie set	
W 1/16	60	1,20	32	8	2,5	2,1		●	●	
W 3/32	48	1,90	40	9	2,8	2,1		●	●	
W 1/8	40	2,50	40	11	3,5	2,7		●	●	
W 5/32	32	3,20	45	13	4,5	3,4		●	●	
W 3/16	24	3,60	50	16	6,0	4,9		●	●	
W 7/32	24	4,50	50	17	6,0	4,9		●	●	
W 1/4	20	5,10	50	19	6,0	4,9		●	●	
W 5/16	18	6,50	56	22	6,0	4,9		●	●	
W 3/8	16	7,90	63	22	7,0	5,5		●	●	
W 7/16	14	9,30	70	24	8,0	6,2		●	●	
W 1/2	12	10,50	75	29	9,0	7,0		●	●	
W 9/16	12	12,00	80	30	11,0	9,0		●	●	
W 5/8	11	13,50	80	32	12,0	9,0		●	●	
W 3/4	10	16,50	95	40	14,0	11,0		●	●	
W 7/8	9	19,25	100	40	18,0	14,5		●	●	
W 1	8	22,00	110	50	18,0	14,5		●	●	
W 1 1/8	7	24,75	125	56	22,0	18,0		●	●	
W 1 1/4	7	28,00	125	56	22,0	18,0		●	●	
W 1 3/8	6	30,50	150	63	28,0	22,0		●	●	
W 1 1/2	6	33,50	150	63	32,0	24,0		●	●	
W 1 5/8	5	35,50	150	63	32,0	24,0		●	●	
W 1 3/4	5	39,00	160	70	36,0	29,0		●	●	
W 2	4,5	44,50	180	75	40,0	32,0		●	●	

N: Impiego tradizionale
universal application

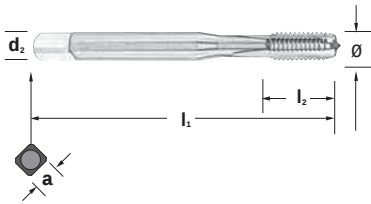
* La tolleranza del gambo per il 1° maschio è h 12 / Shank tolerance of 1st tap: h 12

● Utensile disponibile a magazzino / Items available ex stock



**Maschi a macchina con gambo rinforzato
per Filettatura Whitworth Standard Inglese DIN 11
in generale dimensioni come DIN 371**

Machine taps with reinforced shank
for British standard Whitworth thread BSW
dimensions generally as per DIN 371

**Tipo / Type**

Tolleranza
Tolerance

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

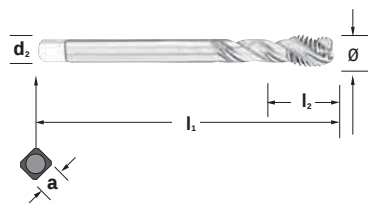
Direzione di taglio
Cutting direction

Materiale/Material[illegible]

N:	Impiego tradizionale universal application	N 40°: normale a 40° 40° right hand helix
Rapid:	Impiego tradizionale universal application	



Machine taps with reduced shank
for British standard Whitworth thread BSW
dimensions generally as per DIN 376

**Materiale/**Material[illegible]

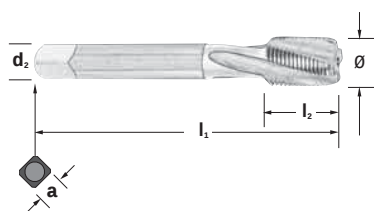
N 40°: normale a 40°
40° right hand helix
Rapid: Impiego tradizionale
universal application

DIN 5156 - (Rp)



**Maschi a macchina con gambo passante
per Filettatura Cilindrica Internazionale
Whitworth per tubi secondo DIN 2999**

Machine taps with reduced shank
for cylindrical Whitworth-Pipe internal thread
as per DIN 2999



Tipo / Type

Tolleranza
Tolerance

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

Direzione di taglio
Cutting direction

Materiale/Material



N 15°	GG	Rapid
-	-	-
C/2,5-3	C/2,5-3	B/4-5
HSS-Co	HSS-Co	HSS-Co

Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12	6675	6674	6673
Rp 1/16	28	6,60	90	22	6	4,9	-	-	●
Rp 1/8	28	8,60	90	20	7	5,5	●	●	●
Rp 1/4	19	11,50	100	22	11	9,0	●	●	●
Rp 3/8	19	15,00	100	22	12	9,0	●	●	●
Rp 1/2	14	18,75	125	25	16	12,0	●	●	●
Rp 3/4	14	24,25	140	28	20	16,0	●	●	●
Rp 1	11	30,25	160	30	25	20,0	●	●	●
Rp 1 1/4	11	39,00	170	30	32	24,0	-	●	●
Rp 1 1/2	11	45,00	190	32	36	29,0	-	●	●
Rp 2	11	56,50	190	32	45	35,0	-	●	●

GG: per ghisa
for cast iron

N 15°: normale a 15°
15° right hand helix

Rapid: Impiego tradizionale
universal application

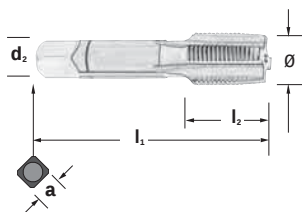
● Utensile disponibile a magazzino / Items available ex stock

DIN 5157 - BSP



Maschi a mano in serie di 2 pezzi composta da sbozzatore e finitore per Filettatura Gas Cilindrica BSP secondo DIN 259 e DIN-ISO 228

Hand taps, serial, in set of 2 pieces for British standard Pipe thread as per DIN 259 and DIN-ISO 228



Tipo / Type

Tolleranza
Tolerance

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

Direzione di taglio
Cutting direction

Materiale/Material



N	N
-	-
A/5-6	C/2,5-3
HSS	HSS

Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9*	a h12	6627 P	6627 T
							pezzo single tap	serie set
G 1/16	28	6,80	56	22	6	4,9	●	●
G 1/8	28	8,80	63	20	7	5,5	●	●
G 1/4	19	11,80	70	22	11	9,0	●	●
G 3/8	19	15,25	70	22	12	9,0	●	●
G 1/2	14	19,00	80	22	16	12,0	●	●
G 5/8	14	21,00	80	22	18	14,5	●	●
G 3/4	14	24,50	90	22	20	16,0	●	●
G 7/8	14	28,25	90	22	22	18,0	●	●
G 1	11	30,75	100	25	25	20,0	●	●
G 1 1/8	11	35,50	125	40	28	22,0	●	●
G 1 1/4	11	39,50	125	40	32	24,0	●	●
G 1 3/8	11	42,00	125	40	36	29,0	●	●
G 1 1/2	11	45,00	140	40	36	29,0	●	●
G 1 3/4	11	51,00	140	40	40	32,0	●	●
G 2	11	57,00	160	40	45	35,0	●	●

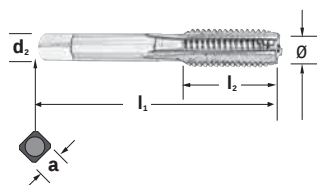
N: Impiego tradizionale
universal application

* La tolleranza del gambo per il 1° maschio è h 12 / Shank tolerance of 1st tap: h 12

● Utensile disponibile a magazzino / Items available ex stock



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

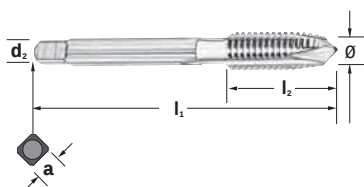
**Materiale/**Material

N 15°: normale a 15° 15° right hand helix	MS: per ottone for brass
N: Impiego tradizionale universal application	VA: Per acciaio inossidabile for stainless steel

DIN 5157 - BSP



Maschi a macchina corti con gambo passante
per Filettatura Gas Cilindrica BSP secondo DIN 259 e DIN-ISO 228
 Short machine taps with reduced shank for British standard Pipe thread
 as per DIN 259 and DIN-ISO 228



Tipo / Type

Tolleranza
Tolerance

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

Direzione di taglio
Cutting direction

Materiale/Material

VA

-

B/4-5



HSS-Co

Ø mm	Filetti/1"	Preforo	l ₁	l ₂	d ₂ mm	a	6857
Tpi	Tap drill	mm	mm	h9	h12		
G 1/16	28	6,80	56	22	6	4,9	●
G 1/8	28	8,80	63	20	7	5,5	●
G 1/4	19	11,80	70	22	11	9,0	●
G 3/8	19	15,25	70	22	12	9,0	●
G 1/2	14	19,00	80	22	16	12,0	●
G 5/8	14	21,00	80	22	18	14,5	●
G 3/4	14	24,50	90	22	20	16,0	●
G 7/8	14	28,25	90	22	22	18,0	●
G 1	11	30,75	100	25	25	20,0	●
G 1 1/8	11	35,50	125	40	28	22,0	●
G 1 1/4	11	39,50	125	40	32	24,0	●
G 1 3/8	11	42,00	125	40	36	29,0	●
G 1 1/2	11	45,00	140	40	36	29,0	●

VA: Per acciaio inossidabile
for stainless steel

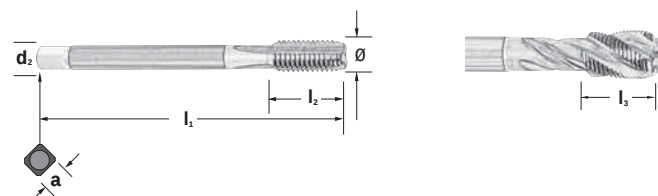
● Utensile disponibile a magazzino / Items available ex stock

DIN 5156 - BSP



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



Tipo / Type

Tolleranza
Tolerance

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

Direzione di taglio
Cutting direction

Materiale/Material

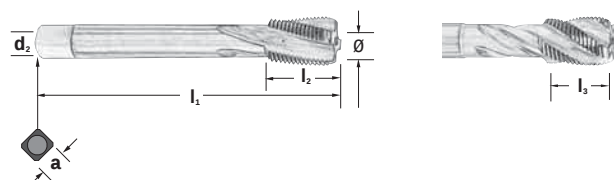
Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm h9	a h12	6912 HD	6912 TN HD	6665 N 15°	6703 N 40°	6703 VP N VAP 40°	6703 TN N 40°
G 1/16	28	6,80	90	22	12	6	4,9	●	●	●	●	●	●
G 1/8	28	8,80	90	20	14	7	5,5	●	●	●	●	●	●
G 1/4	19	11,80	100	22	20	11	9,0	●	●	●	●	●	●
G 3/8	19	15,25	100	22	20	12	9,0	●	●	●	●	●	●
G 1/2	14	19,00	125	25	25	16	12,0	●	●	●	●	●	●
G 5/8	14	21,00	125	25	25	18	14,5	●	●	●	●	●	●
G 3/4	14	24,50	140	28	28	20	16,0	●	●	●	●	●	●
G 7/8	14	28,25	150	28	28	22	18,0	●	●	●	●	●	●
G 1	11	30,75	160	30	30	25	20,0	●	●	●	●	●	●
G 1 1/8	11	35,50	170	30	-	28	22,0	●	●	-	-	-	-
G 1 1/4	11	39,50	170	30	-	32	24,0	●	●	-	-	-	-
G 1 3/8	11	42,00	180	32	-	36	29,0	●	●	-	-	-	-
G 1 1/2	11	45,00	190	32	-	36	29,0	●	●	-	-	-	-
G 1 3/4	11	51,00	190	32	-	40	32,0	●	●	-	-	-	-
G 2	11	57,00	220	40	-	45	35,0	●	●	-	-	-	-

HD : per materiali tenaci
for tough materials
N 15°/40°: normale a 15°/40°
15°/40°right hand helix

VAP: vaporizzato
vaporized
N: Impiego tradizionale
universal application



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



VA: Per acciaio inossidabile for stainless steel	VRP: Per acciaio inox con rastremazione e vaporizzato for stainless steel, back tapered and vaporized
VAP: vaporizzato vaporized	



**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



GG	GG	Tipo / Type				
-	-	Tolleranza Tolerance				
C/2,5-3	C/2,5-3	Forma/Filetti d'imbocco Chamfer form / No. of threads				
		Direzione di taglio Cutting direction				
HSS-Co	HSS-Co	Materiale/Material				
6708	6708 TF	Ø mm	Filetti/1" Tpi		Preforo Tap drill	
●	●	G	1/16	28	6,80	
●	●	G	1/8	28	8,80	
●	●	G	1/4	19	11,80	
●	●	G	3/8	19	15,25	
●	●	G	1/2	14	19,00	
●	●	G	5/8	14	21,00	
●	●	G	3/4	14	24,50	
●	●	G	7/8	14	28,25	
●	●	G	1	11	30,75	
●	●	G 1	1/8	11	35,50	
●	●	G 1	1/4	11	39,50	
●	●	G 1	3/8	11	42,00	
●	●	G 1	1/2	11	45,00	
●	●	G 1	3/4	11	51,00	
●	●	G	2	11	57,00	

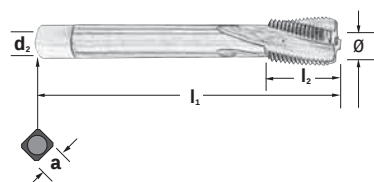
GG: per ghisa
for cast iron

DIN 5156 - BSP



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



Tipo / Type									Rapid	VAP Rapid	Rapid
Tolleranza Tolerance									-	-	-
Forma/Filetti d'imbocco Chamfer form / No. of threads									B/4-5	B/4-5	B/4-5
Direzione di taglio Cutting direction											
Materiale/Material									HSS-Co	HSS-Co	HSS-Co
Ø mm	Filetti/1"	Preforo Tap drill	Preforo Former	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12		6704	6704 VP	6704 TN
G 1/16	28	6,80	7,3	90	22	6	4,9		●	●	●
G 1/8	28	8,80	9,3	90	20	7	5,5		●	●	●
G 1/4	19	11,80	12,5	100	22	11	9,0		●	●	●
G 3/8	19	15,25	16,0	100	22	12	9,0		●	●	●
G 1/2	14	20,10	20,1	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		●	●	●
G 1 1/8	11	35,50	-	170	30	28	22,0		●	●	●
G 1 1/4	11	39,50	-	170	30	32	24,0		●	●	●
G 1 1/2	11	45,00	-	190	32	36	29,0		●	●	●
G 1 3/4	11	51,00	-	190	32	40	32,0		●	●	●
G 2	11	57,00	-	220	40	45	35,0		●	●	●

Rapid: Impiego tradizionale
universal application

VAP: vaporizzato
vaporized

● Utensile disponibile a magazzino / Items available ex stock



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

[illegible]

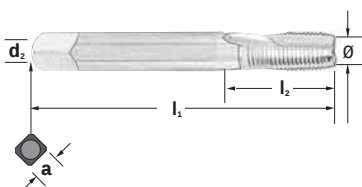
Former S: rullare con canalini
with coolant grooves

605



Machine taps with reduced shank

RC



N 0°

—

C/2,5-3



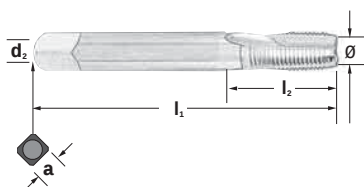
HSS-Co

N: Impiego tradizionale
universal application

606



dimensions generally as per DIN 371

**Materiale/**Material

N	N	VA/A2
NPT	NPTF	NPT
-	-	-
C/2,5-3	C/2,5-3	C/2,5-
		
HSS-Co	HSS-Co	HSS-Co

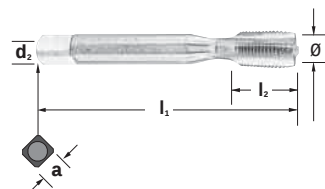
NPT: per filettature con guarnizione
for threads with dryseal

NPTF: per filettature senza guarnizione
for threads without dryseal

● Utensile disponibile a magazzino / Items available ex stock



dimensions generally as per DIN 371



NPT: per filettature con guarnizione
for threads with dryseal

NPTF: per filettature senza guarnizione
for threads without dryseal

● Utensile disponibile a magazzino / Items available ex stock

ILIX NORM - NPT, NPTF



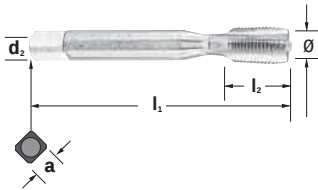
NPT (Norme Standard Americane National Pipe Taper)
NPTF (Norme Americane Dryseal National Pipe Taper)
 per Filettatura Gas Conica - conicità 1:16 angolo di filettatura 60°
 in generale dimensioni come DIN 371

NPT thread (National Pipe Taper USA, standard range)

NPTF thread (Dryseal National Pipe Taper USA)

tapered pipe thread 1 : 16 – included angle 60°

dimensions generally as per DIN 371



Tipo / Type

Tolleranza
Tolerance

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

Direzione di taglio
Cutting direction

Materiale/Material



HD NPT 0°	HD NPTF 0°	VA/AZ NPT 0°	VA/AZ NPT 35°	VA NPTF 35°
-	-	-	-	-
C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3	C/2,5-3
HSS-Co	HSS-Co	HSS-Co	HSS-Co	HSS-Co

misura in pollice del tubo Size of pipe in inch		Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12	6918	6924	6920	6922	6926
NPT/NPTF	3/8	18,0	14,50	110	20	14	11,0	●	●	●	●	●
NPT/NPTF	1/2	14,0	17,75	140	25	16	12,0	●	●	●	●	●
NPT/NPTF	3/4	14,0	23,00	150	26	20	16,0	●	●	●	●	●
NPT/NPTF	1	11,5	29,00	170	32	25	20,0	●	●	●	●	●
NPT/NPTF	1 1/4	11,5	38,00	190	34	32	24,0	●	●	●	●	●
NPT/NPTF	1 1/2	11,5	44,00	200	34	36	29,0	●	●	●	●	●

NPT: per filettature con guarnizione
for threads with dryseal

NPTF: per filettature senza guarnizione
for threads without dryseal

Alatore conico per preforo NPT/NPTF vedi pag. 699
Taper pin reamer for NPT/NPTF thread on the page 699

● Utensile disponibile a magazzino / Items available ex stock

DIN 40432 - (Pg)



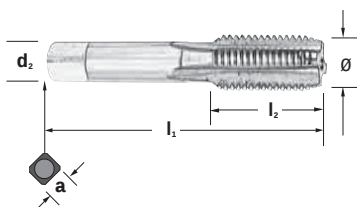
Maschi per tubi di protezione di conduttori elettrici DIN 40430

angolo di filettatura 80° su macchine e utensili elettrici

Machine taps for steel conduit pipe thread as per DIN 40430

included angle 80° - on machine and power tools

PG



Tipo / Type

Tolleranza

Tolerance

Forma/Filetti d'imbocco

Chamfer form / No. of threads

Direzione di taglio

Cutting direction

Materiale/Material

N
Pg

-

C/2,5-3



HSS-Co

N
Pg

-

B/4-5



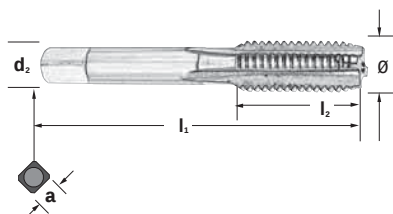
HSS-Co

misura Size	Ø mm	Filetti/1" Tpi	Preforo Tap drill	l ₁ mm	l ₂ mm	d ₂ mm h9	a h12	6915	6710
PG 7,0	12,5	20	11,50	70	22	9	7,0	●	●
PG 9,0	15,2	18	14,00	70	22	12	9,0	●	●
PG 11,0	18,6	18	17,25	80	22	14	11,0	●	●
PG 13,5	20,4	18	19,00	80	22	16	12,0	●	●
PG 16,0	22,5	18	21,25	80	22	18	14,5	●	●
PG 21,0	28,3	16	27,00	90	22	22	18,0	●	●
PG 29,0	37,0	16	35,50	100	25	28	22,0	●	●
PG 36,0	47,0	16	45,50	140	40	36	29,0	●	●
PG 42,0	54,0	16	52,50	140	40	40	32,0	●	●
PG 48,0	59,3	16	58,00	160	40	45	35,0	●	●



angolo di filettatura 80° su macchine e utensili elettrici

included angle 80° - on machine and power tools

**Materiale/**Material

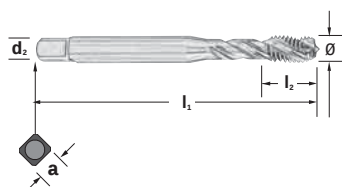
N
Pg
-
D/4-5

HSS-Co

[illegible]



for metric ISO thread

**Materiale/**Material

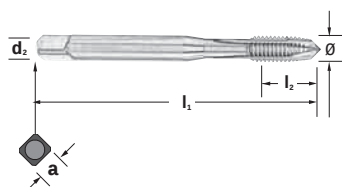
HSS-Co

[illegible]

612



for metric ISO thread

**Materiale/**Material

N

B/4-5

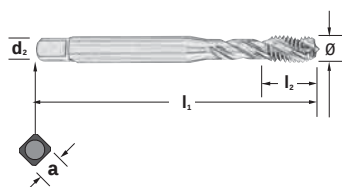


HSS-Co

● Utensile disponibile a magazzino / Items available ex stock



for metric ISO thread



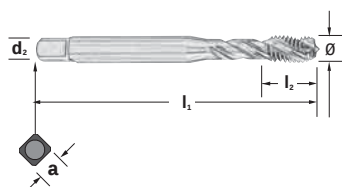
HSS-Co

[illegible]

614



for metric ISO thread

**Materiale/**Material

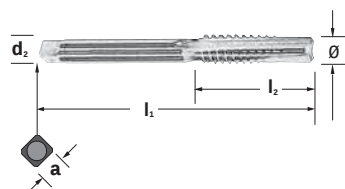
HSS-Co

[illegible]

615



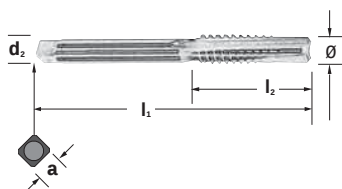
Hand taps, serial, in sets of 2/3 pieces
for ISO metric trapezoidal coarse thread



TR: per filettature trapezoidali
for trapezoidal thread

616

for ISO metric trapezoidal coarse thread

[illegible]



Angelo Ghezzi & C SpA



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Maschi

Taps

ALIX
PRECISION



► Guida Tecnica Technical Guide



Tipo / Type		RAPID		RAPID 2	
Riferimento Pagina Famiglia Prodotto / ILIX type - see page		476		478	
Materiale / Material		HSS-Co		HSS-Co	
Applicazione / Application		Passante Through Hole		Passante Through Hole	
Imbocco-Angolo d'elica / Chamfer-Flute angle		B 0°		B 0°	
Profondità di filettatura / Threading deep		2xD		2xD	
Rivestimento / Coating		BL/VP	TN / TC	BL	
Lubrificazione interna / Internal Coolant		-		-	
M	4H	6707/6711		-	
	6H/6HX	6707/6711		6640	
	6G/6GX	6707/6711		6640	
	7G	6707/6711		-	
	6H+0,1	-		-	
MF	6H/6HX	6730		-	
	6G/6GX	-		-	
	6H+0,1	-		-	
UNC	2B/2BX	6690/6693		-	
	3B/3BX	6690/6693		-	
UNF	2B/2BX	6607/6687		-	
	3B/3BX	6607/6687		-	
8-UN	2B	-		-	
BSP/G	G	6704		-	
RP (BSPP)	Rp	6673		-	
RC (BSPT)	Rc	-		-	
BSW-W	BSW	6697/6636		-	
NPT	NPT	-		-	
NPTF	NPTF	-		-	
P	< 800 N/mm²	Vc	Vc	Vc	
	700-1000 N/mm²	15	18	-	
	1000-1300 N/mm²	10	13	-	
M	Austenitico	6	8	-	
	Austenitico/Ferritico	-	10	-	
K	GG	7	7	-	
	GGG	10	13	-	
N	Alluminio	5	8	-	
	Non ferrosi	15	20	15	
S	Titanio	10	15	13	
	Leghe speciali a base di NI	-	-	-	
H	Temprati 38 / 48 HRC	-	-	-	
	Temprati 48 / 58 HRC	-	-	-	
	Temprati 58 / 68 HRC	-	-	-	

DATI TECNICI

TECHNICAL DATA



N		N 15°		N 40°		MULTI GG i	
478		482		484		492	
HSS-Co		HSS-Co		HSS-Co		HSS Co	
Cieco / Blind Hole Passante / Through Hole		Cieco Blind Hole		Cieco Blind Hole		Cieco / Blind Hole Passante / Through Hole	
C 0°		C 15°		C 40°		C 0°	
2xD		1,5xD		2,5xD		2,5xD	
BL	TN / TC	BL	TN / TC	BL/VP	TN / TC	VP	
-	-	-	-	-	-		
-	-	-	-	-	-	-	
6706/6705		6657/6658		6644/6638/6867/6868		6629/6637	
-	-	6657/6658		6644/6638		-	
-	-	-	-	6644/6638		-	
-	-	6903		-		-	
6726		6664		6652/6877		-	
-	-	-		-		-	
-	-	6904		-		-	
6823/6824		6696		6691/6694		-	
-	-	6728		6691/6694		-	
6838/6839		6719		6680/6688		-	
-	-	6729		6680/6688		-	
-	-	-		-		-	
-	-	6665		6703		-	
-	-	6675		-		-	
6790		-		-		-	
6699		-		6836/6837		-	
6610		-		-		-	
-	-	-		-		-	
Vc	Vc	Vc	Vc	Vc	Vc	Vc	
-	-	15	18	15	18	-	
10	13	10	13	10	13	-	
6	8	6	8	6	8	-	
-	-	-	8	-	8	-	
-	-	-	5	-	5	-	
10	13	10	13	10	13	30	
-	-	5	8	5	8	35	
15	20	15	20	15	20	30	
10	15	10	15	10	15	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	

DATI TECNICI

TECHNICAL DATA



Tipo / Type		VA		VA	
Riferimento Pagina Famiglia Prodotto / ILIX type - see page		486		486	
Materiale / Material		HSS-Co		HSS-Co	
Applicazione / Application		Passante Through Hole		Cieco Blind Hole	
Imbocco-Angolo d'elica / Chamfer-Flute angle		B		C 15°	
Profondità di filettatura / Threading deep		2xD		1,5xD	
Rivestimento / Coating		BL/VP	TN / XT/XTP	BL/VP	TN / XT/XTP
Lubrificazione interna / Internal Coolant		-		-	
M	4H	-		-	
	6H/6HX	6646/6647		6654/6634	
	6G/6GX	6646/6647		-	
	7G	-		-	
	6H+0,1	-		-	
MF	6H/6HX	6663		6671	
	6G/6GX	6663		-	
	6H+0,1	-		-	
UNC	2B/2BX	6739/6749		-	
	3B/3BX	-		-	
UNF	2B/2BX	6718/6797		-	
	3B/3BX	-		-	
8-UN	2B	-		-	
BSP/G	G	6700		6716	
RP (BSPP)	Rp	-		-	
RC (BSPT)	Rc	-		-	
BSW-W	BSW	-		-	
NPT	NPT	-		-	
NPTF	NPTF	-		-	
P	< 800 N/mm²	Vc	Vc	Vc	Vc
	700-1000 N/mm²	15	18	13	15
	1000-1300 N/mm²	-	-	-	-
M	Austenitico	6	10	10	12
	Austenitico/Ferritico	5	7	8	10
K	GG	-	-	-	-
	GGG	-	-	-	-
N	Alluminio	-	-	-	-
	Non ferrosi	10	15	11	13
S	Titanio	3	5	3	5
	Leghe speciali a base di NI	2	4	2	4
H	Temprati 38 / 48 HRC	-	-	-	-
	Temprati 48 / 58 HRC	-	-	-	-
	Temprati 58 / 68 HRC	-	-	-	-

DATI TECNICI

TECHNICAL DATA



VA		VA i			
486		488			
HSS-Co		HSS-Co			
Cieco Blind Hole		Cieco Blind Hole			
C 40°		C 15°			
2xD		2,5xD			
BL / VP	TN / XT/XTP	BL	XTP		
-	-	-	-		
-	-	-	-		
6661/6662	-	6620/6605	-		
6661/6662	-	-	-		
-	-	-	-		
-	-	-	-		
6655	-	6626	-		
6655	-	-	-		
-	-	-	-		
6735/6754	-	-	-		
-	-	-	-		
6794/6796	-	-	-		
-	-	-	-		
6945	-	-	-		
6701	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
Vc	Vc	Vc	Vc		
13	15	15	17		
-	-	12	15		
-	-	-	-		
10	12	15	15		
8	8	8	10		
-	-	-	-		
-	-	-	-		
-	-	-	-		
11	13	13	15		
3	5	4	6		
2	4	3	5		
-	-	-	-		
-	-	-	-		
-	-	-	-		



	Tipo / Type		HD		HD	
	Riferimento Pagina Famiglia Prodotto / ILIX type - see page		490		490	
	Materiale / Material		HSS-Co		HSS-Co	
	Applicazione / Application		Passante Through Hole		Cieco Blind Hole	
	Imbocco-Angolo d'elica / Chamfer-Flute angle		B		C 15°	
	Profondità di filettatura / Threading deep		2xD		1,5xD	
	Rivestimento / Coating		BL/VP	TN / TF	BL	HL
	Lubrificazione interna / Internal Coolant		-		-	
		4H	-		-	
		6H/6HX	6870/6871		6878/6879	
	M	6G/6GX	-		-	
		7G	-		-	
		6H+0,1	-		-	
		6H/6HX	6872		6880	
	MF	6G/6GX	-		-	
		6H+0,1	-		-	
		2B/2BX	6873/6874		6865/6866	
	UNC	3B/3BX	-		-	
		2B/2BX	6875/6876		6848/6849	
	UNF	3B/3BX	-		-	
	8-UN	2B	-		-	
	BSP/G	G	6912		-	
	RP (BSPP)	Rp	-		-	
	RC (BSPT)	Rc	-		-	
	BSW-W	BSW	-		-	
	NPT	NPT	6917/6918		6917/6918	
	NPTF	NPTF	6923/6924		6923/6924	
			Vc	Vc	Vc	Vc
		< 800 N/mm²	15	18	13	15
	P	700-1000 N/mm²	10	13	10	12
		1000-1300 N/mm²	6	8	6	8
		Austenitico	-	-	-	-
	M	Austenitico/Ferritico	-	-	-	-
		GG	-	-	-	-
	K	GGG	10	10	10	10
		Alluminio	-	-	-	-
	N	Non ferrosi	-	-	-	-
		Titanio	-	-	-	-
	S	Leghe speciali a base di NI	-	-	-	-
		Temprati 38 / 48 HRC	-	-	-	3
	H	Temprati 48 / 58 HRC	-	-	-	-
		Temprati 58 / 68 HRC	-	-	-	-

DATI TECNICI

TECHNICAL DATA



HD		HR		VR 50°		GG	
490		492		488		492	
HSS-Co		HSS-Co		HSS-Co		HSS-Co	
Cieco Blind Hole		Cieco Blind Hole		Cieco Blind Hole		Cieco / Blind Hole Passante / Through Hole	
C 40°		C 40°		C 50°		C 0°	
2,5xD		2,5xD		3xD		2,5xD	
BL	TN / TF	BL	TF	VP	TN	VP	TF
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6666/6667	-	6681/6689	-	6850/6851	-	6631/6632	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	6653	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	6852/6853	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	6854/6855	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	6856	-	6708	-
-	-	-	-	-	-	6674	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Vc	Vc	Vc	Vc	Vc	Vc	Vc	Vc
13	15	13	15	13	15	-	-
10	12	10	12	-	-	-	-
6	8	8	10	-	-	-	-
-	-	-	-	10	12	-	-
-	-	-	-	8	10	-	-
-	-	-	-	-	-	25	30
10	10	-	-	-	-	20	25
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-



Tipo / Type		AZ		
Riferimento Pagina Famiglia Prodotto / ILIX type - see page		494		
Materiale / Material		HSS-Co		
Applicazione / Application		Passante Through Hole	Cieco Blind Hole	
Imbocco-Angolo d'elica / Chamfer-Flute angle		B 0°	C 0°	
Profondità di filettatura / Threading deep		2,5xD	2,5xD	
Rivestimento / Coating		BL	BL	
Lubrificazione interna / Internal Coolant		-	-	
M	4H	-	-	
	6H/6HX	6616/6617	6820/6821	
	6G/6GX	-	-	
	7G	-	-	
	6H+0,1	-	-	
MF	6H/6HX	-	-	
	6G/6GX	-	-	
	6H+0,1	-	-	
UNC	2B/2BX	-	-	
	3B/3BX	-	-	
UNF	2B/2BX	-	-	
	3B/3BX	-	-	
8-UN	2B	-	-	
BSP/G	G	-	-	
RP (BSPP)	Rp	-	-	
RC (BSPT)	Rc	-	-	
BSW-W	BSW	-	-	
NPT	NPT	-	6916/6919/6920	
NPTF	NPTF	-	-	
P	< 800 N/mm²	Vc 15	Vc 15	Vc 18
	700-1000 N/mm²	-	-	-
	1000-1300 N/mm²	-	-	-
M	Austenitico	6	6	10
	Austenitico/Ferritico	-	-	-
K	GG	-	-	-
	GGG	-	-	-
N	Alluminio	15	15	20
	Non ferrosi	10	10	15
S	Titanio	-	-	-
	Leghe speciali a base di NI	-	-	-
H	Temprati 38 / 48 HRC	-	-	-
	Temprati 48 / 58 HRC	-	-	-
	Temprati 58 / 68 HRC	-	-	-



Vc: velocità di taglio (m/min) / cutting speed (m/min)



Tipo / Type		FORMER		FORMER S	
Riferimento Pagina Famiglia Prodotto / ILIX type - see page		498		498	
Materiale / Material		HSS-Co		HSS-Co	
Applicazione / Application		Cieco / Blind Hole Passante / Through Hole		Cieco / Blind Hole Passante / Through Hole	
Imbocco-Angolo d'elica / Chamfer-Flute angle		C		C	
Profondità di filettatura / Threading deep		2xD		2xD	
Rivestimento / Coating		BL/VP	TN / TC	BL/VP	TN / TC
Lubrificazione interna / Internal Coolant		-		-	
M	4H	-		-	
	6H/6HX	6722/6723		6709/6725	
	6G/6GX	6622/6623		6808/6809	
	7G	-		6819	
	6H+0,1	-		-	
MF	6H/6HX	6721		6720	
	6G/6GX	-		-	
	6H+0,1	-		-	
UNC	2B/2BX	6738		6802/6811	
	3B/3BX	-		-	
UNF	2B/2BX	6747		6815/6816	
	3B/3BX	-		-	
8-UN	2B	-		-	
BSP/G	G	6702		6818	
RP (BSPP)	Rp	-		-	
RC (BSPT)	Rc	-		-	
BSW-W	BSW	-		-	
NPT	NPT	-		-	
NPTF	NPTF	-		-	
P	< 800 N/mm ²	Vc	Fz	Vc	Fz
	700-1000 N/mm ²	13	15	15	17
	1000-1300 N/mm ²	11	13	13	15
M	Austenitico	-	-	-	-
	Austenitico/Ferritico	8	10	10	12
K	GG	-	-	-	-
	GGG	-	-	-	-
N	Alluminio	-	-	-	-
	Non ferrosi	20	25	25	30
S	Titanio	18	22	22	25
	Leghe speciali a base di NI	-	-	-	-
H	Temprati 38 / 48 HRC	-	-	-	-
	Temprati 48 / 58 HRC	-	-	-	-
	Temprati 58 / 68 HRC	-	-	-	-



Angelo Ghezzi & C SpA

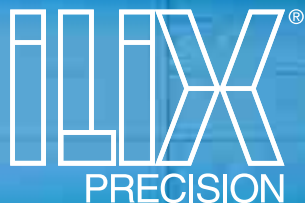


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