PREMIUM UFS®
THREADING TOOLS

100% Net prices from the company

100% Guaranteed quality Made in Italy

M

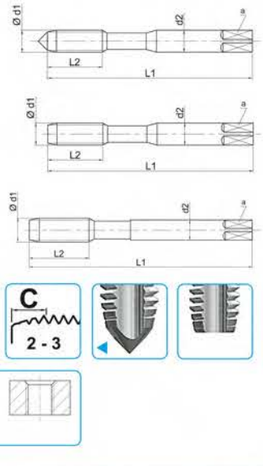
MASCHI A MACCHINA - Scanalature diritte per ghisa
MACHINE TAPS - Straight flutes for cast iron
TARAUDS MACHINE - Goujures droites pour fonte

DIN13 | GG | GHISA - CAST IRON - FONTE

DIN 371 d1 ≤ M6

DIN 371 d1 ≤ M10

DIN 376 d1 ≥ M12



Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3,5xD**	**3,5xD**
Materiale - Tool Material - Substrat	**PM3**	**PM3**	**PM3**
Tolleranza - Thread tolerance - Tolérance du filetage	**6HX**	**6HX**	**6HX**
Trattamento superficiale - Surface treatment - Revêtement	**TiALn**	**TiALn**	**TiALn**

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◄	**4**	**0,7**	63	13	4,5	3,4	3	3,3
◄	**5**	**0,8**	70	13	6	4,9	3	4,2
◄	**6**	**1**	80	16	6	4,9	4	5
	8	**1,25**	90	18	8	6,2	4	6,8
	10	**1,5**	100	20	10	8	4	8,5
	6	**1**	80	16	6	4,9	4	5
	8	**1,25**	90	18	8	6,2	4	6,8
	10	**1,5**	100	20	10	8	4	8,5

CODE	€ Netto	CODE	€ Netto	CODE	€ Netto
K26M4TX	22,50				
K26M5TX	22,50				
K26M6TX	23,10				
K26M8SP-TX	28,00				
K26M10SP-TX	32,40				
		K26M6FOR-TX	36,40	K26M6FORY-TX	47,60
		K26M8FOR-TX	47,40	K26M8FORY-TX	59,80
		K26M10FOR-TX	52,60	K26M10FORY-TX	62,40

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	**1,75**	110	25	9	7	4	10,3
	14	**2**	110	28	11	9	4	12
	16	**2**	110	28	12	9	4	14
	18	**2,5**	125	33	14	11	5	15,5
	20	**2,5**	140	33	16	12	5	17,5

CODE	€ Netto	CODE	€ Netto	CODE	€ Netto
K27M12TX	40,50	K27M12FOR-TX	62,20	K27M12FORY-TX	72,00
K27M14TX	47,70	K27M14FOR-TX	72,90	K27M14FORY-TX	82,70
K27M16TX	57,80	K27M16FOR-TX	83,00	K27M16FORY-TX	92,80
K27M18TX	73,50	K27M18FOR-TX	101,50	K27M18FORY-TX	111,30
K27M20TX	92,00	K27M20FOR-TX	120,70	K27M20FORY-TX	133,20

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min													
K	Ghisa - Cast iron - Fonte	•3.1 25-30	•3.2 20-25	○3.3 20-25	○3.4 25-30	•3.5 10-15	•3.1 25-30	•3.2 20-25	○3.3 20-25	○3.4 25-30	•3.5 10-15	•3.1 25-30	•3.2 20-25	○3.3 20-25	○3.4 25-30	•3.5 10-15

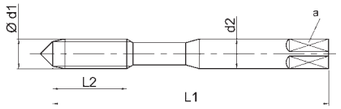
• Raccomandato - Optimal - Recommandé ○ Adatto - Suitable - Adaptè

M

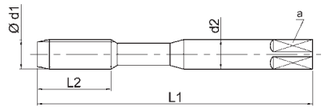
MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

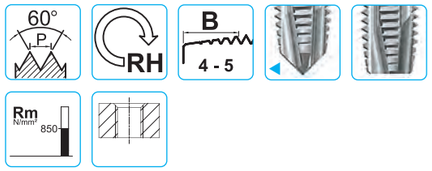
DIN13 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 371 d1 ≤ M10



DIN 371 d1 =M9





Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3xD	3xD
Materiale - Tool Material - Substrat	HSSE	HSSE	HSSE
Tolleranza - Thread tolerance - Tolérance du filetage	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment - Revêtement		V	TiN

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

CODE	€ Netto		€ Netto		€ Netto
E24M3	12,10	E24M3V	14,60	E24M3T	17,90
E24M4	12,10	E24M4V	14,60	E24M4T	17,90
E24M5	12,40	E24M5V	14,60	E24M5T	18,30
E24M6	12,40	E24M6V	14,60	E24M6T	18,30
E24M8	14,60	E24M8V	17,20	E24M8T	22,80
E24M10	16,20	E24M10V	19,00	E24M10T	25,40

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	1,75	110	25	9	7	3	10,3
	14	2	110	28	11	9	3	12
	16	2	110	28	12	9	3	14
	18	2,5	125	33	14	11	4	15,5
	20	2,5	140	33	16	12	4	17,5

CODE	€ Netto		€ Netto		€ Netto
E25M12	21,10	E25M12V	24,10	E25M12T	31,50
E25M14	28,00	E25M14V	31,60	E25M14T	40,30
E25M16	30,70	E25M16V	34,60	E25M16T	45,40
E25M18	46,30	E25M18V	51,00	E25M18T	63,40
E25M20	49,60	E25M20V	59,20	E25M20T	71,30

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min											
P	Acciaio – Steel – Acier - Rm ≤ 850 N/mm²	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20
M	Acciaio inox - Stainless steel - Acier inoxydable												
K	Ghisa - Cast iron - Fonte									❍3.3 10-15	•3.4 15-20		
N	Leghe di Allumino – Al alloys - Alliage Al	❍4.1 10-15	•4.2 15-20			•4.1 10-15	•4.2 15-20			❍4.1 20-25	•4.2 25-30	❍4.3 20-25	
N	Leghe di Rame - Copper alloys - Alliages de cuivre	❍5.1 8-12	❍5.2 10-15			•5.1 8-12	•5.2 10-15			❍5.1 15-20	•5.2 20-25		

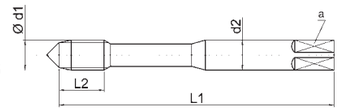
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

M

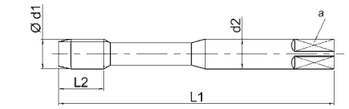
MASCHI A MACCHINA - Elica destra a 40° per fori ciechi
MACHINE TAPS - Spiral flutes 40° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 40° pour trous borgnes

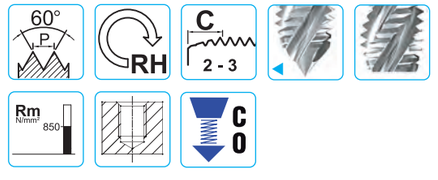
DIN13 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 371 d1 ≤ M6



DIN 371 d1 ≥ M7





Profondità di filettatura - Thread depth - Prof. de filetage	2,5xD	2,5xD	2,5xD
Materiale - Tool Material - Substrat	HSSE	HSSE	HSSE
Tolleranza - Thread tolerance - Tolérance du filetage	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment - Revêtement		V	TiN

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODE	€ Netto		€ Netto		€ Netto
E60M3	12,60	E60M3V	14,60	E60M3T	18,20
E60M4	12,60	E60M4V	14,60	E60M4T	18,20
E60M5	12,60	E60M5V	14,60	E60M5T	18,20
E60M6	12,60	E60M6V	14,60	E60M6T	18,20
E60M8	14,80	E60M8V	17,40	E60M8T	23,00
E60M10	16,80	E60M10V	19,90	E60M10T	26,40

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	1,75	110	18	9	7	3	10,3
	14	2	110	20	11	9	3	12
	16	2	110	20	12	9	3	14
	18	2,5	125	25	14	11	4	15,5
	20	2,5	140	25	16	12	4	17,5

CODE	€ Netto		€ Netto		€ Netto
E61M12	21,10	E61M12V	23,90	E61M12T	33,00
E61M14	29,90	E61M14V	33,90	E61M14T	42,90
E61M16	33,20	E61M16V	38,80	E61M16T	48,50
E61M18	50,50	E61M18V	55,80	E61M18T	67,60
E61M20	55,50	E61M20V	60,90	E61M20T	77,20

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min											
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20
M	Acciaio inox - Stainless steel - Acier inoxydable												
K	Ghisa - Cast iron - Fonte									❍3.3 10-15	•3.4 15-20		
N	Leghe di Allumino - Al alloys - Alliage Al	❍4.1 10-15	•4.2 15-20			•4.1 10-15	•4.2 15-20			❍4.1 20-25	•4.2 25-30	❍4.3 20-25	
N	Leghe di Rame - Copper alloys - Alliages de cuivre	❍5.1 8-12	❍5.2 10-15			•5.1 8-12	•5.2 10-15			❍5.1 15-20	•5.2 20-25		

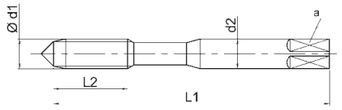
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

M

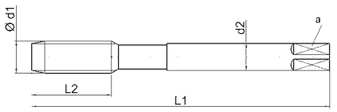
MASCHI A MACCHINA - Imbocco corretto per fori passanti toll. 6G+0,03 e 6H+0,1
MACHINE TAPS - Straight flutes with spiral point for through holes tolerance 6G+0,03 and 6H+0,1
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant tolérance 6G+0,03 et 6H+0,1

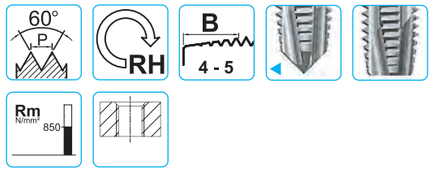
DIN13 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 371 d1 ≤ M10



DIN 376 d1 ≥ M12





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3xD**
Materiale - Tool Material - Substrat	**HSSE**	**HSSE**
Tolleranza - Thread tolerance - Tolérance du filetage	**6G+0,03**	**6H+0,1**
Trattamento superficiale - Surface treatment - Revêtement		

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto		€ Netto
◄	**3**	**0,5**	56	10	3,5	2,7	3	2,5	-	E24M3+0,1	14,40
◄	**4**	**0,7**	63	13	4,5	3,4	3	3,3	-	E24M4+0,1	14,00
◄	**5**	**0,8**	70	13	6	4,9	3	4,2	E24M5-7G	E24M5+0,1	14,00
◄	**6**	**1**	80	16	6	4,9	3	5	E24M6-7G	E24M6+0,1	14,00
◄	**8**	**1,25**	90	18	8	6,2	3	6,8	E24M8-7G	E24M8+0,1	16,00
◄	**10**	**1,5**	100	20	10	8	3	8,5	E24M10-7G	E24M10+0,1	17,70

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto		€ Netto
	12	**1,75**	110	25	9	7	3	10,3	E25M12-7G	E25M12+0,1	24,00

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min							
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8- 10
K	Ghisa - Cast iron - Fonte								
N	Leghe di Allumino – Al alloys - Alliage Al	❍4.1 10-15	•4.2 15-20			❍4.1 10-15	•4.2 15-20		
N	Leghe di Rame - Copper alloys - Alliages de cuivre	❍5.1 8-12	❍5.2 10-15			❍5.1 8-12	❍5.2 10-15		

• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

M

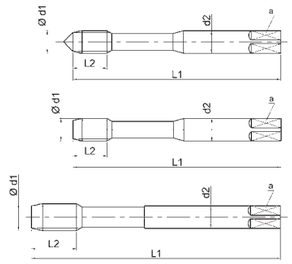
MASCHI A MACCHINA - Elicoidali 40° per fori ciechi tolleranza 6G+0,03 e 6H+0,1
MACHINE TAPS - Spiral flutes 40° for blind holes tolerance 6G+0,03 and 6H+0,1
TARAUDS MACHINE - Goujures hélicoïdales 40° pour trous borgnes tolérance 6G+0,03 et 6H+0,1

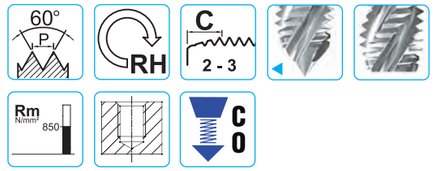
DIN13 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 371 d1 ≤ M6

DIN 371 d1 M8, M10

DIN 376 d1 ≥ M12





Profondità di filettatura - Thread depth - Prof. de filetage	**2,5xD**	**2,5xD**
Materiale - Tool Material - Substrat	**HSSE**	**HSSE**
Tolleranza - Thread tolerance - Tolérance du filetage	**6G+0,03**	**6H+0,1**
Trattamento superficiale - Surface treatment - Revêtement		

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto		€ Netto
◄	**3**	**0,5**	56	5	3,5	2,7	3	2,5	E60M3-7G	E60M3+0,1	14,00
◄	**4**	**0,7**	63	7	4,5	3,4	3	3,3	E60M4-7G	E60M4+0,1	14,00
◄	**5**	**0,8**	70	8	6	4,9	3	4,2	E60M5-7G	E60M5+0,1	14,00
◄	**6**	**1**	80	10	6	4,9	3	5	E60M6-7G	E60M6+0,1	14,00
	8	**1,25**	90	13	8	6,2	3	6,8	E60M8-7G	E60M8+0,1	16,20
	10	**1,5**	100	15	10	8	3	8,5	E60M10-7G	E60M10+0,1	17,50

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto		€ Netto
	12	**1,75**	110	18	9	7	3	10,3	E61M12-7G	E61M12+0,1	24,60
	14	**2**	110	20	11	9	3	12	E61M14-7G	E61M14+0,1	33,50
	16	**2**	110	20	12	9	4	14	E61M16-7G	E61M16+0,1	38,40
	18	**2,5**	125	25	14	11	4	15,5	E61M18-7G	E61M18+0,1	55,60
	20	**2,5**	140	25	16	12	4	17,5	E61M20-7G	E61M20+0,1	61,10

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min							
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10
M	Acciaio inox - Stainless steel - Acier inoxydable								
K	Ghisa - Cast iron - Fonte								
N	Leghe di Allumino - Al alloys - Alliage Al	❍4.1 10-15	•4.2 15-20			❍4.1 10-15	•4.2 15-20		
N	Leghe di Rame - Copper alloys - Alliages de cuivre	❍5.1 8-12	❍5.2 10-15			❍5.1 8-12	❍5.2 10-15		

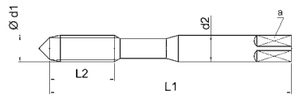
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

M

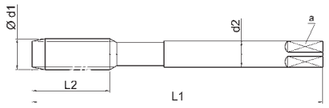
MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

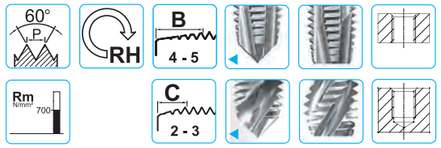
DIN13 | AL-CU-FE | ALLUMINIO, RAME, FERRO - ALUMINIUM, COPPER, IRON - ALUMINIUM, CUIVRE, FER

DIN 371 d1 ≤ M10



DIN 376 d1 ≥ M12





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3xD**
Materiale - Tool Material - Substrat	**HSSE**	**HSSE**
Tolleranza - Thread tolerance - Tolérance du filetage	**ISO2/6H**	**ISO2/6H**
Trattamento superficiale - Surface treatment - Revêtement	**TXC**	**TXC**

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	**3**	**0,5**	56	10	3,5	2,7	2	2,5
◀	**4**	**0,7**	63	13	4,5	3,4	2	3,3
◀	**5**	**0,8**	70	13	6	4,9	2	4,2
◀	**6**	**1**	80	16	6	4,9	2	5
◀	**8**	**1,25**	90	18	8	6,2	2	6,8
◀	**10**	**1,5**	100	20	10	8	2	8,5

CODE	€ Netto	CODE	€ Netto
E24M3AL-TXC	22,00	E70M3TXC	20,90
E24M4AL-TXC	22,00	E70M4TXC	20,90
E24M5AL-TXC	22,00	E70M5TXC	20,90
E24M6AL-TXC	22,00	E70M6TXC	20,90
E24M8AL-TXC	26,10	E70M8TXC	26,00
E24M10AL-TXC	31,20	E70M10TXC	30,80

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	**1,75**	110	25	9	7	3	10,3
	14	**2**	110	28	11	9	3	12
	16	**2**	110	28	12	9	3	14

CODE	€ Netto	CODE	€ Netto
E25M12AL-TXC	40,20	E71M12TXC	35,80
E25M14AL-TXC	50,70	E71M14TXC	51,20
E25M16AL-TXC	56,00	E71M16TXC	54,00

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min					
P	Acciaio dolce magnetico - Magnetic soft steel Acier doux magnétique - Rm <400 N/mm²	•1.1 20-30			•1.1 20-30		
N	Leghe di Allumino - Al alloys - Alliage Al	•4.1 10-15	•4.3 20-25		•4.1 20-25	•4.2 25-30	◦4.3 20-25
N	Leghe di Rame - Copper alloys - Alliages de cuivre	•5.1 8-12	•5.2 10-15		•5.1 15-20	•5.2 20-25	
S	Titanio puro - Pure titanium - Titane pur	•6.1 5-8					
S	Nichel puro - Pure nickel - Nickel pure	•7.1 6-8					
N	Materiali termoplastici - Thermoplastics - Thermoplastiques Truciolo lungo - Long chipping - Copeaux longue	•8.1 20-25					

• Raccomandato - Optimal - Recommandé ◦ Adatto - Suitable - Adaptè

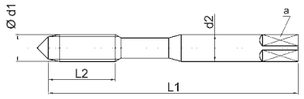
INOX | ACCIAIO INOSSIDABILE - STAINLESS STEEL - ACIER INOXYDABLE

M

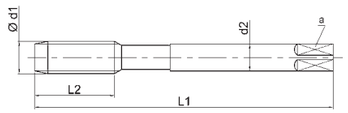
MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

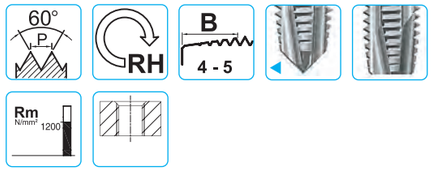
DIN13 | U | APPLICAZIONI UNIVERSALI - UNIVERSAL APPLICATIONS - USINAGE UNIVERSELS

DIN 371 d1 ≤ M10



DIN 376 d1 ≥ M12





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3,5xD**
Materiale - Tool Material - Substrat	**PM3**	**PM3**
Tolleranza - Thread tolerance - Tolérance du filetage	**6HX**	**6HX**
Trattamento superficiale - Surface treatment - Revêtement	**XP**	**XP**

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	**3**	**0,5**	56	10	3,5	2,7	3	2,5
◀	**4**	**0,7**	63	13	4,5	3,4	3	3,3
◀	**5**	**0,8**	70	13	6	4,9	3	4,2
◀	**6**	**1**	80	16	6	4,9	3	5
◀	**8**	**1,25**	90	18	8	6,2	3	6,8
◀	**10**	**1,5**	100	20	10	8	3	8,5

CODE	€ Netto		€ Netto
K24M3XP	23,80	-	
K24M4XP	23,80	-	
K24M5XP	23,80	-	
K24M6XP	23,80	K24M6FORY-XP	49,60
K24M8XP	29,60	K24M8FORY-XP	56,30
K24M10XP	33,40	K24M10FORY-XP	64,30

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	**1,75**	110	25	9	7	4	10,3
	14	**2**	110	28	11	9	4	12
	16	**2**	110	28	12	9	4	14
	18	**2,5**	125	33	14	11	4	15,5
	20	**2,5**	140	33	16	12	4	17,5

CODE	€ Netto		€ Netto
K25M12XP	40,90	K25M12FORY-XP	73,30
K25M14XP	53,00	-	
K25M16XP	65,50	-	
K25M18XP	86,10	-	
K25M20XP	104,40	-	

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min									
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	❍1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20	•1.5 5-12	❍1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20	•1.5 5-12
M	Acciaio INOX – Stainless steel - Acier inoxydable	•2.1 10-15	•2.2 8-10	•2.3 6-8			•2.1 10-15	•2.2 8-10	•2.3 6-8		
K	Ghisa - Cast iron - Fonte	•3.3 10-15	•3.4 15-20				•3.3 10-15	•3.4 15-20			
N	Leghe di Allumino – Al alloys - Alliage Al	•4.2 25-30	•4.3 20-25				•4.2 25-30	•4.3 20-25			
N	Leghe di Rame - Copper alloys - Alliages de cuivre	•5.2 20-25					•5.2 20-25				

• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

M

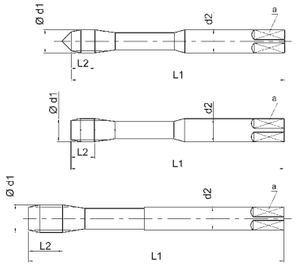
MASCHI A MACCHINA - Elicoidali 45° per fori ciechi
MACHINE TAPS - Spiral flutes 45° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 45° pour trous borgnes

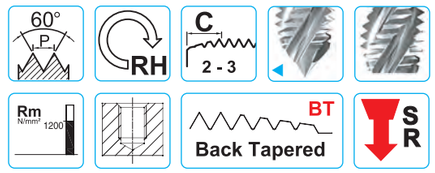
DIN13 | U | APPLICAZIONI UNIVERSALI - UNIVERSAL APPLICATIONS - USINAGE UNIVERSELS

DIN 371 d1 ≤ M6

DIN 371 d1 = M8, M10

DIN 376 d1 ≥ M12





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3,5xD**
Materiale - Tool Material - Substrat	**PM3**	**PM3**
Tolleranza - Thread tolerance - Tolérance du filetage	**6HX**	**6HX**
Trattamento superficiale - Surface treatment - Revêtement	**XP**	**XP**

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	**3**	**0,5**	56	5	3,5	2,7	3	2,5
◀	**4**	**0,7**	63	7	4,5	3,4	3	3,3
◀	**5**	**0,8**	70	8	6	4,9	3	4,2
◀	**6**	**1**	80	10	6	4,9	3	5
	8	**1,25**	90	13	8	6,2	3	6,8
	10	**1,5**	100	15	10	8	3	8,5

CODE	€ Netto		€ Netto
K82M3XP	22,70	-	
K82M4XP	22,70	-	
K82M5XP	22,70	-	
K82M6XP	22,70	K82M6FOR-XP	40,50
K82M8XP	28,10	K82M8FOR-XP	48,60
K82M10XP	32,00	K82M10FOR-XP	51,10

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
	12	**1,75**	110	18	9	7	4	10,3
	14	**2**	110	20	11	9	4	12
	16	**2**	110	20	12	9	4	14
	18	**2,5**	125	25	14	11	4	15,5
	20	**2,5**	140	25	16	12	4	17,5

CODE	€ Netto		€ Netto
K83M12XP	38,20	K83M12FOR-XP	59,80
K83M14XP	50,60	K83M14FOR-XP	75,80
K83M16XP	56,80	K83M16FOR-XP	89,90
K83M18XP	95,70	K83M18FOR-XP	123,90
K83M20XP	109,80	K83M20FOR-XP	140,50

S R Raccomandato per filettatura rigida
We recommend Syncro rigid threading
Recommandè pour le taraudage rigide

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min									
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	❍1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20	•1.5 5-12	❍1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20	•1.5 5-12
M	Acciaio inox - Stainless steel - Acier inoxydable	•2.1 10-15	•2.2 8-10	•2.3 6-8			•2.1 10-15	•2.2 8-10	•2.3 6-8		
K	Ghisa - Cast iron - Fonte	•3.3 10-15	•3.4 15-20				•3.3 10-15	•3.4 15-20			
N	Leghe di Allumino - Al alloys - Alliage Al	•4.2 25-30	•4.3 20-25				•4.2 25-30	•4.3 20-25			
N	Leghe di Rame - Copper alloys - Alliages de cuivre Truciolo lungo - Long chipping - Copeaux longs	•5.2 20-25					•5.2 20-25				

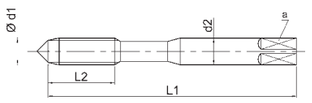
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

M

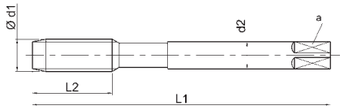
MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

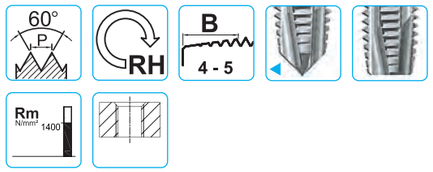
DIN13 | INOX | ACCIAIO INOSSIDABILE - STAINLESS STEEL - ACIER INOXYDABLE

DIN 371 d1 ≤ M10



DIN 376 d1 ≥ M12





LINE NEW

TOP

Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3xD
Materiale - Tool Material - Substrat	HSSV3	HSSV3
Tolleranza - Thread tolerance - Tolérance du filetage	6HX	6HX
Trattamento superficiale - Surface treatment - Revêtement	VS	TXC

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	3	0,5	56	10	3,5	2,7	3	2,5
◀	4	0,7	63	13	4,5	3,4	3	3,3
◀	5	0,8	70	13	6	4,9	3	4,2
◀	6	1	80	16	6	4,9	3	5
◀	8	1,25	90	18	8	6,2	3	6,8
◀	10	1,5	100	20	10	8	3	8,5

CODE	€ Netto	CODE	€ Netto
V24M3VS	17,10	V24M3TXC	21,10
V24M4VS	17,10	V24M4TXC	21,10
V24M5VS	17,10	V24M5TXC	21,10
V24M6VS	17,10	V24M6TXC	21,10
V24M8VS	20,20	V24M8TXC	26,30
V24M10VS	22,30	V24M10TXC	29,60

DIN 376 | Ød1 M | P mm | L_1 | L_2 | d_2 h9 | a h12 | Z | | CODE | € Netto | CODE | € Netto

	12	1,75	110	25	9	7	4	10,3	V25M12VS	28,70	V25M12TXC	36,30
	14	2	110	28	11	9	4	12	V25M14VS	38,50	V25M14TXC	47,30
	16	2	110	28	12	9	4	14	V25M16VS	42,10	V25M16TXC	50,80
	18	2,5	125	33	14	11	4	15,5	V25M18VS	58,20	V25M18TXC	69,50
	20	2,5	140	33	16	12	4	17,5	V25M20VS	67,30	V25M20TXC	84,10

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min							
P	Acciaio - Steel - Acier - Rm ≤ 1400 N/mm²	•1.1 10-15	•1.2 10-15			•1.3 20-25	•1.4 15-20	❍1.5 5-12	
M	Acciaio INOX – Stainless steel - Acier inoxydable	•2.1 6-8	•2.2 5-7	•2.3 3-5		•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6

• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

M

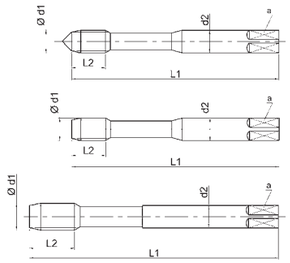
MASCHI A MACCHINA - Elicoidali 45°/48° per fori ciechi
MACHINE TAPS - Spiral flutes 45°/48° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 45°/48° pour trous borgnes

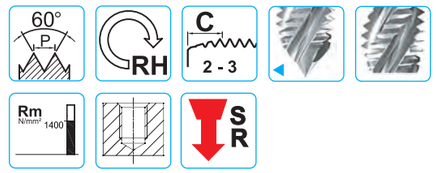
DIN13 | INOX | ACCIAIO INOSSIDABILE - STAINLESS STEEL - ACIER INOXYDABLE

DIN 371 d1 ≤ M6

DIN 371 d1 = M8, M10

DIN 376 d1 ≥ M12





LINE NEW

TOP

TOP NEW

Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3,5xD	3,5xD
Materiale - Tool Material - Substrat	HSSE-PM	HSSV3	HSSV3
Tolleranza - Thread tolerance - Tolérance du filetage	6HX	6HX	6HX
Trattamento superficiale - Surface treatment - Revêtement	VS	TXC	TXC

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	3	0,5	56	5	3,5	2,7	3	2,5
◀	4	0,7	63	7	4,5	3,4	3	3,3
◀	5	0,8	70	8	6	4,9	3	4,2
◀	6	1	80	10	6	4,9	3	5
	8	1,25	90	13	8	6,2	3	6,8
	10	1,5	100	15	10	8	3	8,5

CODE	€ Netto	CODE	€ Netto		€ Netto
E92M3VS	19,20	V82M3TXC	21,30	-	
E92M4VS	19,20	V82M4TXC	21,30	-	
E92M5VS	19,20	V82M5TXC	21,80	-	
E92M6VS	19,20	V82M6TXC	21,80	V82M6FOR-TXC	34,50
E92M8VS	22,20	V82M8TXC	25,50	V82M8FOR-TXC	42,60
E92M10VS	27,30	V82M10TXC	29,50	V82M10FOR-TXC	48,40

DIN 376 | Ød1 M | P mm | L_1 | L_2 | d_2 h9 | a h12 | Z | | CODE | € Netto | CODE | € Netto | | € Netto

	12	1,75	110	18	9	7	3	10,3	E93M12VS	33,90	V83M12TXC	37,90	V83M12FOR-TXC	59,40
	14	2	110	20	11	9	3	12	E93M14VS	45,40	V83M14TXC	49,30	V83M14FOR-TXC	74,30
	16	2	110	20	12	9	4	14	E93M16VS	50,50	V83M16TXC	56,00	V83M16FOR-TXC	81,40
	18	2,5	125	25	14	11	4	15,5	E93M18VS	69,20	V83M18TXC	75,10	-	
	20	2,5	140	25	16	12	4	17,5	E93M20VS	77,30	V83M20TXC	84,10	-	

BT
Back Tapered

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min									
P	Acciaio - Steel - Acier - Rm ≤ 1400 N/mm²	•1.1 10-15	•1.2 10-15			•1.3 20-25	•1.4 15-20	•1.5 5-12		•1.3 20-25	•1.4 15-20	•1.5 5-12	
M	Acciaio INOX - Stainless steel - Acier inoxydable	•2.1 6-8	•2.2 5-7	•2.3 3-5		•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6	•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6

• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

U | APPLICAZIONI UNIVERSALI - UNIVERSAL APPLICATIONS - USINAGE UNIVERSELS

HR | ALTA RESISTENZA - HIGH RESISTANCE - HAUTE RÉSISTANCE

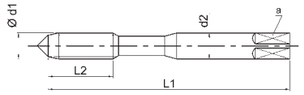
M

MASCHI A MACCHINA - Per fori ciechi e passanti con canalini di lubrificazione
MACHINE TAPS - For blind and through holes with oil grooves
TARAUDS MACHINE - Pour trous borgnes et débouchant avec rainures de lubrification

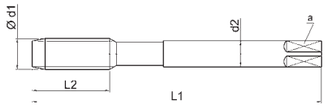
DIN13 | P - ROLL | MASCHI A RULLARE - ROLL FORM TAPS - TARAUDS À REFOULER

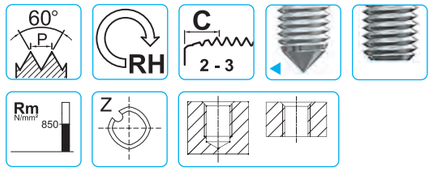
Rm < 850 Nm/m²

DIN 371 d1 ≤ M10



DIN 376 d1 ≥ M12





Profondità di filettatura - Thread depth - Prof. de filetage	3xD		
Materiale - Tool Material - Substrat	PM8		
Tolleranza - Thread tolerance - Tolérance du filetage	6HX		
Trattamento superficiale - Surface treatment - Revêtement	TiN		

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto			
◀	3	0,5	56	10	3,5	2,7	2	2,80	P2CCM3T	26,90		
◀	4	0,7	63	13	4,5	3,4	4	3,70	P2CCM4T	26,90		
◀	5	0,8	70	13	6	4,9	5	4,65	P2CCM5T	26,90		
◀	6	1	80	16	6	4,9	5	5,55	P2CCM6T	26,90		
◀	8	1,25	90	18	8	6,2	5	7,40	P2CCM8T	30,40		
◀	10	1,5	100	20	10	8	5	9,30	P2CCM10T	37,20		

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto			
	12	1,75	110	25	9	7	5	11,20	P2CCM12T	51,50		
	14	2	110	28	11	9	6	13,10	P2CCM14T	62,50		
	16	2	110	28	12	9	6	15,10	P2CCM16T	73,80		

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min			
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	•1.1 20-30	•1.2 20-30	•1.3 20-25	○1.4 15-20
M	Acciaio INOX – Stainless steel - Acier inoxydable	○2.1 10-15	○2.2 10-12	○2.3 6-10	
N	Leghe di Allumino – Al alloys - Alliage Al	○4.1 35-40	○4.2 40-45	○4.3 35-40	
N	Leghe di Rame - Copper alloys - Alliages de cuivre	○5.1 15-20	○5.2 15-20		

• Raccomandato - Optimal - Recommandé ○ Adatto - Suitable - Adaptè

M

MASCHI A MACCHINA - Per fori ciechi e passanti con canalini di lubrificazione
MACHINE TAPS - For blind and through holes with oil grooves
TARAUDS MACHINE - Pour trous borgnes et débouchant avec rainures de lubrification

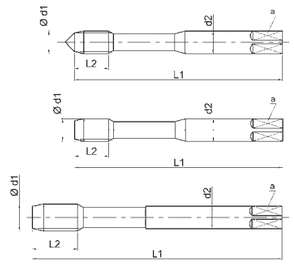
DIN13 | K-ROLL | MASCHI A RULLARE - ROLL FORM TAPS - TARAUDS À REFOULER

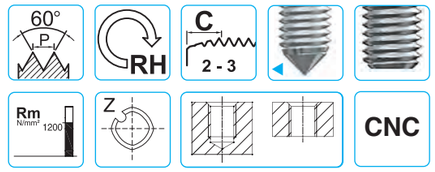
Rm < 1200 Nm/m²

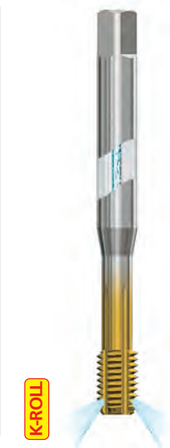
DIN 371 d1 ≤ M5

DIN 371 d1 ≤ M10

DIN 376 d1 ≥ M12







Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3xD	3xD
Materiale - Tool Material - Substrat	PM8	PM8	PM8
Tolleranza - Thread tolerance - Tolérance du filetage	6HX	6HX	6HX
Trattamento superficiale - Surface treatment - Revêtement	TiN-G	TiN-G	TiN-G

DIN 371	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto					
◀	3	0,5	56	5	3,5	2,7	4	2,80	K2CCM3TG	29,70				
◀	4	0,7	63	7	4,5	3,4	4	3,70	K2CCM4TG	29,70				
◀	5	0,8	70	8	6	4,9	5	4,65	K2CCM5TG	29,70				
	6	1	80	10	6	4,9	5	5,55	K2CCM6TG	29,70	K2CCM6FOR-TG	46,80	K2CCM6FORY-TG	60,80
	8	1,25	90	13	8	6,2	5	7,40	K2CCM8TG	34,20	K2CCM8FOR-TG	53,60	K2CCM8FORY-TG	69,80
	10	1,5	100	15	10	8	8	9,30	K2CCM10TG	41,10	K2CCM10FOR-TG	63,60	K2CCM10FORY-TG	78,30

DIN 376	Ød1 M	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto					
New	12	1,75	110	18	9	7	8	11,20	K2CCM12TG	49,80	K2CCM12FOR-TG	74,70	K2CCM12FORY-TG	88,60
New	14	2	110	20	11	9	8	13,10	K2CCM14TG	61,30	K2CCM14FOR-TG	88,40	K2CCM14FORY-TG	101,60
New	16	2	110	20	12	9	8	15,10	K2CCM16TG	77,30	K2CCM16FOR-TG	104,40	K2CCM16FORY-TG	119,10
New	18	2,5	125	25	14	11	8	16,9	K2CCM18TG	85,00	K2CCM18FOR-TG	113,00	K2CCM18FORY-TG	122,80
New	20	2,5	140	25	16	12	8	18,9	K2CCM20TG	96,60	K2CCM20FOR-TG	124,60	K2CCM20FORY-TG	134,40

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min								
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	•1.3 30-35	•1.4 25-30	•1.5 15-20	•1.3 30-35	•1.4 25-30	•1.5 15-20	•1.3 30-35	•1.4 25-30	•1.5 15-20
M	Acciaio INOX - Stainless steel - Acier inoxydable	○2.2 10-12	○2.3 6-10	○2.4 6-8	○2.2 10-12	○2.3 6-10	○2.4 6-8	○2.2 10-12	○2.3 6-10	○2.4 6-8

• Raccomandato - Optimal - Recommandé ○ Adatto - Suitable - Adaptè

MJ UNJC UNJF AVIO

DIAMETRO ESTERNO ARROTONDATO
WITH ROUNDED CREST
DIAMÈTRE EXTÉRIEUR ARRONDI

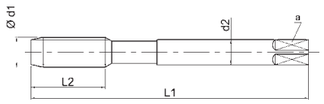
Ni NICHEL - NICKEL

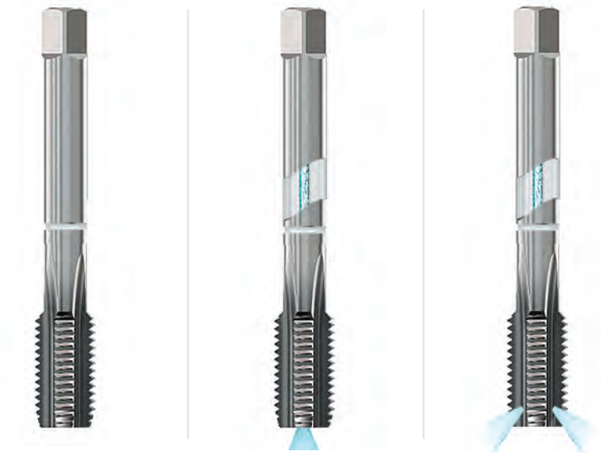
MF

MASCHI A MACCHINA - Scanalature diritte per ghisa
MACHINE TAPS - Straight flutes for cast iron
TARAUDS MACHINE - Goujures droites pour fonte

DIN13 | GG | GHISA - CAST IRON - FONTE

DIN 374 d1 ≥ M8





Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3,5xD	3,5xD
Materiale - Tool Material - Substrat	PM3	PM3	PM3
Tolleranza - Thread tolerance - Tolérance du filetage	6HX	6HX	6HX
Trattamento superficiale - Surface treatment - Revêtement	TiALn	TiALn	TiALn

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z	
	8	1	90	18	6	4,9	4	7
	10	1	90	15	7	5,5	4	9
	10	1,25	100	20	7	5,5	4	8,75
	12	1,25	100	22	9	7	4	10,75
	12	1,5	100	22	9	7	4	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5
	18	1,5	110	25	14	11	5	16,5
	20	1,5	125	25	16	12	5	18,5

CODE	€ Netto	CODE	€ Netto	CODE	€ Netto
K27MF8X1TX	33,00	K27MF8X1FOR-TX	52,40	K27MF8X1FORY-TX	64,40
K27MF10X1TX	35,60	K27MF10X1FOR-TX	55,40	K27MF10X1FORY-TX	67,90
K27MF10X1,25TX	35,60	K27MF10X1,25FOR-TX	55,40	K27MF10X1,25FORY-TX	65,20
K27MF12X1,25TX	40,60	K27MF12X1,25FOR-TX	65,40	K27MF12X1,25FORY-TX	75,30
K27MF12X1,5TX	40,60	K27MF12X1,5FOR-TX	65,50	K27MF12X1,5FORY-TX	75,30
K27MF14X1,5TX	53,20	K27MF14X1,5FOR-TX	79,80	K27MF14X1,5FORY-TX	89,60
K27MF16X1,5TX	63,10	K27MF16X1,5FOR-TX	90,20	K27MF16X1,5FORY-TX	100,00
K27MF18X1,5TX	82,30	K27MF18X1,5FOR-TX	110,30	K27MF18X1,5FORY-TX	120,00
K27MF20X1,5TX	99,50	K27MF20X1,5FOR-TX	127,50	K27MF20X1,5FORY-TX	137,30

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min													
K	Ghisa - Cast iron - Fonte	•3.1 25-30	•3.2 20-25	❍3.3 20-25	❍3.4 25-30	•3.5 10-15	•3.1 25-30	•3.2 20-25	❍3.3 20-25	❍3.4 25-30	•3.5 10-15	•3.1 25-30	•3.2 20-25	❍3.3 20-25	❍3.4 25-30	•3.5 10-15

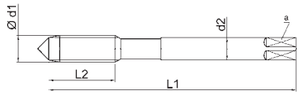
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

MF

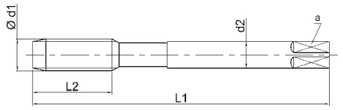
MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

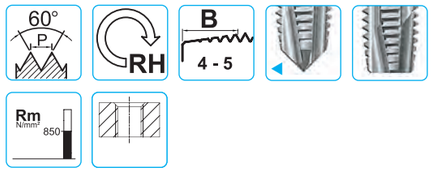
DIN13 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 374 d1 ≤ M10



DIN 374 d1 ≥ M12





Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3xD	3xD
Materiale - Tool Material - Substrat	HSSE	HSSE	HSSE
Tolleranza - Thread tolerance - Tolérance du filetage	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment - Revêtement		V	TiN

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z	
◀	8	1	90	18	6	4,9	3	7
◀	10	1,25	100	20	7	5,5	3	8,75
◀	12	1,25	100	22	9	7	3	10,75
	12	1,5	100	22	9	7	3	10,5
	14	1,5	100	22	11	9	4	12,5
	16	1,5	100	22	12	9	4	14,5
	18	1,5	110	25	14	11	4	16,5
	20	1,5	125	25	16	12	4	18,5

CODE	€ Netto	CODE	€ Netto	CODE	€ Netto
E25MF8X1	19,10	E25MF8X1V	23,00	E25MF8X1T	27,00
E25MF10X1,25	20,30	E25MF10X1,25V	22,10	E25MF10X1,25T	28,40
E25MF12X1,25	21,70	E25MF12X1,25V	25,00	E25MF12X1,25T	32,40
E25MF12X1,5	21,70	E25MF12X1,5V	25,00	E25MF12X1,5T	32,40
E25MF14X1,5	28,50	E25MF14X1,5V	32,80	E25MF14X1,5T	42,60
E25MF16X1,5	30,20	E25MF16X1,5V	36,00	E25MF16X1,5T	45,40
E25MF18X1,5	39,50	E25MF18X1,5V	46,20	E25MF18X1,5T	56,80
E25MF20X1,5	47,30	E25MF20X1,5V	56,60	E25MF20X1,5T	68,00

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min											
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	◑1.1 10-15	•1.2 10-15	•1.3 10-12	◑1.4 8-10	•1.1 10-15	•1.2 10-15	•1.3 10-12	◑1.4 8-10	•1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20
M	Acciaio inox - Stainless steel - Acier inoxydable												
K	Ghisa - Cast iron - Fonte									◑3.3 10-15	•3.4 15-20		
N	Leghe di Allumino - Al alloys - Alliage Al	◑4.1 10-15	•4.2 15-20			•4.1 10-15	•4.2 15-20			◑4.1 20-25	•4.2 25-30	◑4.3 20-25	
N	Leghe di Rame - Copper alloys - Alliages de cuivre	◑5.1 8-12	◑5.2 10-15			•5.1 8-12	•5.2 10-15			◑5.1 15-20	•5.2 20-25		

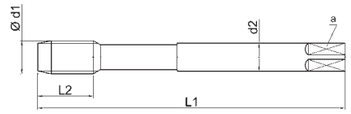
• Raccomandato - Optimal - Recommandé ◑ Adatto - Suitable - Adaptè

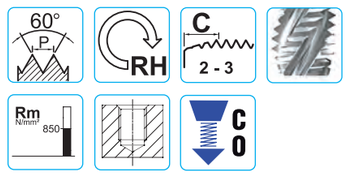
MF

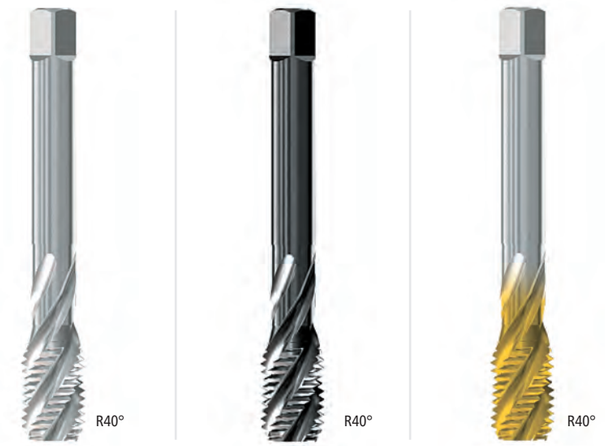
MASCHI A MACCHINA - Elica destra a 40° per fori ciechi
MACHINE TAPS - Spiral flutes 40° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 40° pour trous borgnes

DIN13 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 374







Profondità di filettatura - Thread depth - Prof. de filetage	2,5xD	2,5xD	2,5xD
Materiale - Tool Material - Substrat	HSSE	HSSE	HSSE
Tolleranza - Thread tolerance - Tolérance du filetage	ISO2/6H	ISO2/6H	ISO2/6H
Trattamento superficiale - Surface treatment - Revêtement		V	TiN

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z	
	8	1	90	13	6	4,9	3	7
	10	1,25	100	15	7	5,5	3	8,75
	12	1,25	100	13	9	7	3	10,75
	12	1,5	100	13	9	7	3	10,5
	14	1,5	100	15	11	9	4	12,5
	16	1,5	100	15	12	9	4	14,5
	18	1,5	110	17	14	11	4	16,5
	20	1,5	125	17	16	12	4	18,5

CODE	€ Netto	CODE	€ Netto	CODE	€ Netto
E61MF8X1	19,00	E61MF8X1V	21,90	E61MF8X1T	27,20
E61MF10X1,25	19,70	E61MF10X1,25V	22,10	E61MF10X1,25T	29,00
E61MF12X1,25	25,70	E61MF12X1,25V	29,10	E61MF12X1,25T	37,00
E61MF12X1,5	25,70	E61MF12X1,5V	29,10	E61MF12X1,5T	37,00
E61MF14X1,5	32,90	E61MF14X1,5V	37,20	E61MF14X1,5T	46,30
E61MF16X1,5	36,00	E61MF16X1,5V	42,20	E61MF16X1,5T	51,10
E61MF18X1,5	46,70	E61MF18X1,5V	53,70	E61MF18X1,5T	64,00
E61MF20X1,5	58,50	E61MF20X1,5V	65,20	E61MF20X1,5T	80,20

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min											
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	◑1.1 10-15	•1.2 10-15	•1.3 10-12	◑1.4 8-10	•1.1 10-15	•1.2 10-15	•1.3 10-12	◑1.4 8-10	•1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20
M	Acciaio inox - Stainless steel - Acier inoxydable												
K	Ghisa - Cast iron - Fonte									◑3.3 10-15	•3.4 15-20		
N	Leghe di Allumino - Al alloys - Alliage Al	◑4.1 10-15	•4.2 15-20			•4.1 10-15	•4.2 15-20			◑4.1 20-25	•4.2 25-30	◑4.3 20-25	
N	Leghe di Rame - Copper alloys - Alliages de cuivre	◑5.1 8-12	◑5.2 10-15			•5.1 8-12	•5.2 10-15			◑5.1 15-20	•5.2 20-25		

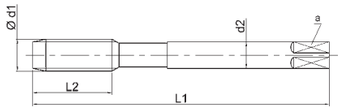
• Raccomandato - Optimal - Recommandé ◑ Adatto - Suitable - Adaptè

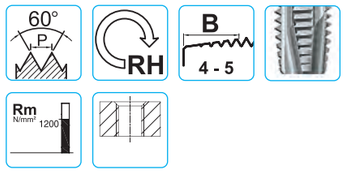
MF

MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

DIN13 | U | APPLICAZIONI UNIVERSALI - UNIVERSAL APPLICATIONS - USINAGE UNIVERSELS

DIN 374





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3,5xD**
Materiale - Tool Material - Substrat	**PM3**	**PM3**
Tolleranza - Thread tolerance - Tolérance du filetage	**6HX**	**6HX**
Trattamento superficiale - Surface treatment - Revêtement	**XP**	**XP**

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE	€ Netto		€ Netto
	8	**1**	90	18	6	4,9	3	7	K25MF8X1XP	32,60	K25MF8X1FORY-XP	58,90
	10	**1,25**	100	20	7	5,5	3	8,75	K25MF10X1,25XP	39,20	K25MF10X1,25FORY-XP	63,00
	12	**1,5**	100	22	9	7	4	10,5	K25MF12X1,5XP	44,90	K25MF12X1,5FORY-XP	77,40
	14	**1,5**	100	22	11	9	4	12,5	K25MF14X1,5XP	54,20	K25MF14X1,5FORY-XP	94,90
	16	**1,5**	100	22	12	9	4	14,5	K25MF16X1,5XP	58,10	K25MF16X1,5FORY-XP	99,70
	18	**1,5**	110	25	14	11	4	16,5	K25MF18X1,5XP	74,90	K25MF18X1,5FORY-XP	115,70
	20	**1,5**	125	25	16	12	4	18,5	K25MF20X1,5XP	94,90	K25MF20X1,5FORY-XP	140,00

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min								
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	❍1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20	•1.5 5-12	•1.2 20-30	•1.3 20-25	•1.4 15-20	❍1.5 5-12
M	Acciaio INOX - Stainless steel - Acier inoxydable	•2.1 10-15	•2.2 8-10	•2.3 6-8						
K	Ghisa - Cast iron - Fonte	•3.3 10-15	•3.4 15-20				•3.3 10-15	•3.4 15-20		
N	Leghe di Allumino - Al alloys - Alliage Al	•4.2 25-30	•4.3 20-25				•4.3 20-25			
N	Leghe di Rame - Copper alloys - Alliages de cuivre Truciolo lungo - Long chipping - Copeaux longs	•5.2 20-25					•5.2 20-25			

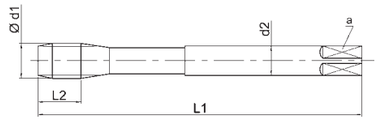
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

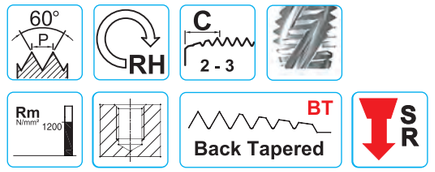
MF

MASCHI A MACCHINA - Elicoidali 45° per fori ciechi
MACHINE TAPS - Spiral flutes 45° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 45° pour trous borgnes

DIN13 | U | APPLICAZIONI UNIVERSALI - UNIVERSAL APPLICATIONS - USINAGE UNIVERSELS

DIN 374





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3,5xD**
Materiale - Tool Material - Substrat	**PM3**	**PM3**
Tolleranza - Thread tolerance - Tolérance du filetage	**6HX**	**6HX**
Trattamento superficiale - Surface treatment - Revêtement	**XP**	**XP**

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE	€ Netto		€ Netto
	8	**1**	90	13	6	4,9	3	7	K83MF8X1XP	30,10	K83MF8X1FOR-XP	49,40
	10	**1,25**	100	15	7	5,5	3	8,75	K83MF10X1,25XP	36,10	K83MF10X1FOR-XP	55,00
	12	**1,5**	100	13	9	7	4	10,5	K83MF12X1,5XP	43,00	K83MF12X1FOR-XP	67,90
	14	**1,5**	100	15	11	9	4	12,5	K83MF14X1,5XP	60,60	K83MF14X1,5FOR-XP	87,80
	16	**1,5**	100	15	12	9	4	14,5	K83MF16X1,5XP	65,40	K83MF16X1,5FOR-XP	92,50
	18	**1,5**	110	17	14	11	4	16,5	K83MF18X1,5XP	78,40	K83MF18X1,5FOR-XP	109,20
	20	**1,5**	125	17	16	12	4	18,5	K83MF20X1,5XP	104,60	K83MF20X1,5FOR-XP	133,30

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min								
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	❍1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20	•1.5 5-12	❍1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20	•1.5 5-12
M	Acciaio INOX - Stainless steel - Acier inoxydable	•2.1 10-15	•2.2 8-10	•2.3 6-8			•2.1 10-15	•2.2 8-10	•2.3 6-8		
K	Ghisa - Cast iron - Fonte	•3.3 10-15	•3.4 15-20				•3.3 10-15	•3.4 15-20			
N	Leghe di Allumino - Al alloys - Alliage Al	•4.2 25-30	•4.3 20-25				•4.2 25-30	•4.3 20-25			
N	Leghe di Rame - Copper alloys - Alliages de cuivre Truciolo lungo - Long chipping - Copeaux longs	•5.2 20-25					•5.2 20-25				

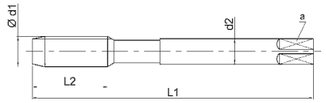
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

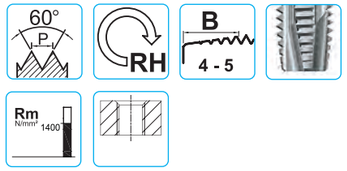
MF

MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

DIN13 | INOX | ACCIAIO INOSSIDABILE - STAINLESS STEEL - ACIER INOXYDABLE

DIN 374





Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3xD
Materiale - Tool Material - Substrat	HSSV3	HSSV3
Tolleranza - Thread tolerance - Tolérance du filetage	6HX	6HX
Trattamento superficiale - Surface treatment - Revêtement	VS	TXC

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z	
	8	**1**	90	18	6	4,9	3	7
	10	**1,25**	100	20	7	5,5	3	8,75
	12	**1,5**	100	22	9	7	4	10,5
	14	**1,5**	100	22	11	9	4	12,5
	16	**1,5**	100	22	12	9	4	14,5

CODE	€ Netto	CODE	€ Netto
V25MF8X1VS	27,70	V25MF8X1TXC	30,80
V25MF10X1,25VS	28,80	V25MF10X1,25TXC	34,20
V25MF12X1,5VS	32,80	V25MF12X1,5TXC	36,60
V25MF14X1,5VS	41,40	V25MF14X1,5TXC	46,10
V25MF16X1,5VS	46,00	V25MF16X1,5TXC	50,80

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min							
P	Acciaio - Steel - Acier - Rm < 1400 N/mm²	•1.1 10-15	•1.2 10-15		•1.3 20-25	•1.4 15-20	❍1.5 5-12		
M	Acciaio INOX – Stainless steel - Acier inoxydable	•2.1 6-8	•2.2 5-7	•2.3 3-5	•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6	

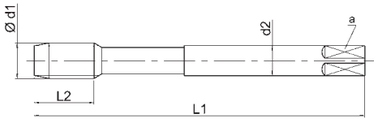
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

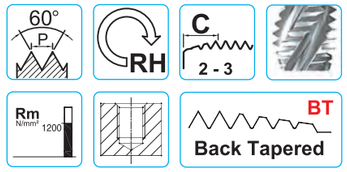
MF

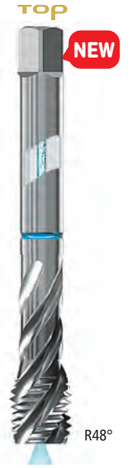
MASCHI A MACCHINA - Elicoidali 45°/48° per fori ciechi
MACHINE TAPS - Spiral flutes 45°/48° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 45°/48° pour trous borgnes

DIN13 | INOX | ACCIAIO INOSSIDABILE - STAINLESS STEEL - ACIER INOXYDABLE

DIN 374



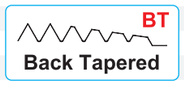




Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3,5xD	3,5xD
Materiale - Tool Material - Substrat	HSSE	HSSV3	HSSV3
Tolleranza - Thread tolerance - Tolérance du filetage	6HX	6HX	6HX
Trattamento superficiale - Surface treatment - Revêtement	VS	TXC	TXC

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z	
	8	**1**	90	13	6	4,9	3	7
	10	**1,25**	100	15	7	5,5	3	8,75
	12	**1,5**	100	13	9	7	4	10,5
	14	**1,5**	100	15	11	9	4	12,5
	16	**1,5**	100	15	12	9	4	14,5
	18	**1,5**	110	17	14	11	4	16,5
	20	**1,5**	125	17	16	12	4	18,5

CODE	€ Netto	CODE	€ Netto	CODE	€ Netto
E93MF8X1VS	25,10	V83MF8X1TXC	32,80	V83MF8X1FOR-TXC	49,60
E93MF10X1,25VS	30,70	V83MF10X1,25TXC	36,40	V83MF10X1,25FOR-TXC	55,20
E93MF12X1,5VS	36,50	V83MF12X1,5TXC	43,40	V83MF12X1,5FOR-TXC	65,10
E93MF14X1,5VS	47,20	V83MF14X1,5TXC	54,80	V83MF14X1,5FOR-TXC	80,10
E93MF16X1,5VS	52,50	V83MF16X1,5TXC	58,90	V83MF16X1,5FOR-TXC	84,10
-		V83MF18X1,5TXC	66,10	-	
-		V83MF20X1,5TXC	80,60	-	



ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min										
P	Acciaio - Steel - Acier - Rm < 1200 N/mm²	•1.1 20-25	•1.2 15-20		•1.3 20-25	•1.4 15-20	❍1.5 5-12		•1.3 20-25	•1.4 15-20	❍1.5 5-12	
M	Acciaio INOX – Stainless steel - Acier inoxydable	•2.1 6-8	•2.2 5-7	•2.3 3-5	•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6	•2.1 10-15	•2.2 8-10	•2.3 6-8	•2.4 3-6

• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

MF

MASCHI A MACCHINA - Per fori ciechi e passanti con canalini di lubrificazione
MACHINE TAPS - For blind and through holes with oil grooves
TARAUDS MACHINE - Pour trous borgnes et débouchant avec rainures de lubrification

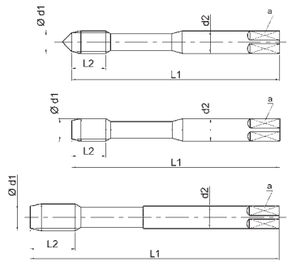
DIN13 | K-ROLL | MASCHI A RULLARE - ROLL FORM TAPS - TARAUDS À REFOULER

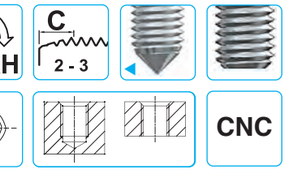
Rm < 1200 Nm/m²

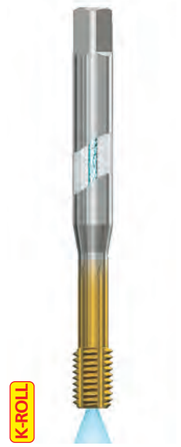
DIN 371 d1 ≤ M5

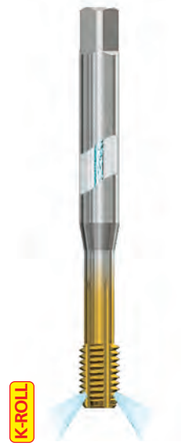
DIN 371 d1 ≤ M10

DIN 374 d1 ≥ M12









Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3xD	3xD
Materiale - Tool Material - Substrat	PM8	PM8	PM8
Tolleranza - Thread tolerance - Tolérance du filetage	6HX	6HX	6HX
Trattamento superficiale - Surface treatment - Revêtement	TiN-G	TiN-G	TiN-G

DIN 371	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE	€ Netto		€ Netto		€ Netto
◀	4	0,5	63	7	4,5	3,4	4	3,80	K2CCMF4X0,5TG	37,20				
◀	5	0,5	70	8	6	4,9	5	4,80	K2CCMF5X0,5TG	37,20				
	6	0,75	80	10	6	4,9	5	5,65	K2CCMF6X0,75TG	37,20				
	8	1	90	13	8	6,2	5	7,55	K2CCMF8X1TG	40,70	K2CCMF8X1FOR-TG	60,00	K2CCMF8X1FORY-TG	76,40
	10	1,25	100	15	10	8	8	9,40	K2CCMF10X1,25TG	44,20	K2CCMF10X1,25FOR-TG	66,60	K2CCMF10X1,25FORY-TG	81,40

DIN 374	Ød1 MF	P mm	L_1	L_2	d_2 h9	a h12	Z		CODE	€ Netto		€ Netto		€ Netto
	12	1,5	100	15	9	7	8	11,30	K2CCMF12X1,5TG	55,00	K2CCMF12X1,5FOR-TG	79,90	K2CCMF12X1,5FORY-TG	93,80
	14	1,5	100	15	11	9	8	13,30	K2CCMF14X1,5TG	69,80	K2CCMF14X1,5FOR-TG	99,50	K2CCMF14X1,5FORY-TG	110,10
	16	1,5	100	15	12	9	8	15,30	K2CCMF16X1,5TG	93,80	K2CCMF16X1,5FOR-TG	110,20	K2CCMF16X1,5FORY-TG	120,00
New	18	1,5	110	17	14	11	8	17,30	K2CCMF18X1,5TG	84,00	K2CCMF18X1,5FOR-TG	112,00	K2CCMF18X1,5FORY-TG	121,80
New	20	1,5	125	17	16	12	8	19,30	K2CCMF20X1,5TG	91,70	K2CCMF20X1,5FOR-TG	119,70	K2CCMF20X1,5FORY-TG	129,50

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min								
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	•1.3 35-50	•1.4 25-30	•1.5 15-20	•1.3 35-50	•1.4 25-30	•1.5 15-20	•1.3 35-50	•1.4 25-30	•1.5 15-20
M	Acciaio INOX - Stainless steel - Acier inoxydable	◦2.2 10-12	◦2.3 6-10	◦2.4 6-8	◦2.2 10-12	◦2.3 6-10	◦2.4 6-8	◦2.2 10-12	◦2.3 6-10	◦2.4 6-8

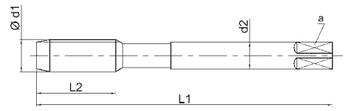
• Raccomandato - Optimal - Recommandé ◦ Adatto - Suitable - Adaptè

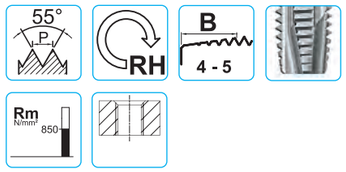
GAS

MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

ISO 228 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 5156





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3xD**	**3xD**
Materiale - Tool Material - Substrat	**HSSE**	**HSSE**	**HSSE**
Tolleranza - Thread tolerance - Tolérance du filetage	**ISO 228**	**ISO 228**	**ISO 228**
Trattamento superficiale - Surface treatment - Revêtement		**V**	**TiN**

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z	
1/8	**28**	9,73	90	15	7	5,5	3	8,8
1/4	**19**	13,16	100	22	11	9	3	11,8
3/8	**19**	16,66	100	22	12	9	4	15,25
1/2	**14**	20,96	125	25	16	12	4	19
3/4	**14**	26,44	140	25	20	16	4	24,5
1"	**11**	33,25	160	30	25	20	5	30,75

CODE	€ Netto		€ Netto		€ Netto
E25G1/8	18,00	E25G1/8V	20,90	E25G1/8T	27,30
E25G1/4	24,40	E25G1/4V	27,90	E25G1/4T	36,80
E25G3/8	34,30	E25G3/8V	38,80	E25G3/8T	48,20
E25G1/2	45,80	E25G1/2V	51,20	E25G1/2T	67,50
E25G3/4	76,90	E25G3/4V	90,90	E25G3/4T	108,90
E25G1"	142,90	E25G1"V	155,00	E25G1"T	190,00

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min											
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20
M	Acciaio inox - Stainless steel - Acier inoxydable												
K	Ghisa - Cast iron - Fonte									❍3.3 10-15	•3.4 15-20		
N	Leghe di Allumino - Al alloys - Alliage Al	❍4.1 10-15	•4.2 15-20			•4.1 10-15	•4.2 15-20			❍4.1 20-25	•4.2 25-30	❍4.3 20-25	
N	Leghe di Rame - Copper alloys - Alliages de cuivre	❍5.1 8-12	❍5.2 10-15			•5.1 8-12	•5.2 10-15			❍5.1 15-20	•5.2 20-25		

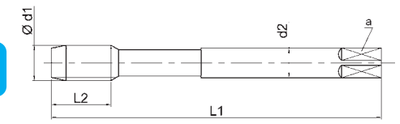
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

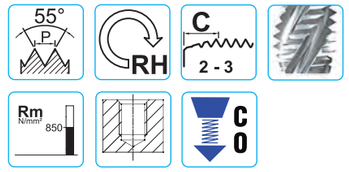
GAS

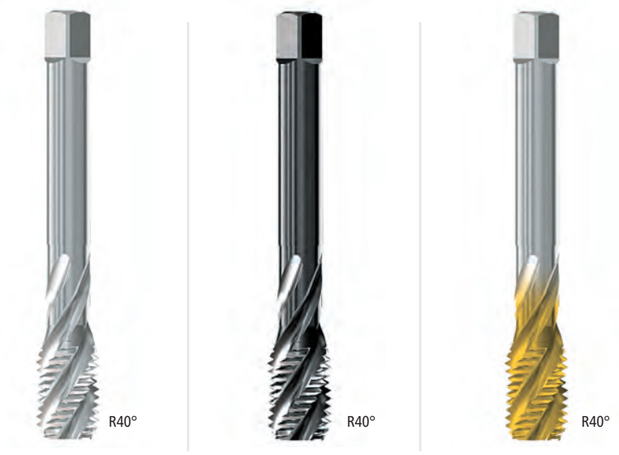
MASCHI A MACCHINA - Elica destra a 40° per fori ciechi
MACHINE TAPS - Spiral flutes 40° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 40° pour trous borgnes

ISO 228 | USO GENERALE - GENERAL PURPOSE - USAGE GÉNÉRAL

DIN 5156







Profondità di filettatura - Thread depth - Prof. de filetage	**2,5xD**	**2,5xD**	**2,5xD**
Materiale - Tool Material - Substrat	**HSSE**	**HSSE**	**HSSE**
Tolleranza - Thread tolerance - Tolérance du filetage	**ISO 228**	**ISO 228**	**ISO 228**
Trattamento superficiale - Surface treatment - Revêtement		**V**	**TiN**

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z	
1/4	**19**	13,16	100	15	11	9	3	11,8
3/8	**19**	16,66	100	15	12	9	4	15,25
1/2	**14**	20,96	125	18	16	12	4	19
5/8	**14**	22,91	125	18	18	14,5	4	21
3/4	**14**	26,44	140	20	20	16	4	24,5
7/8	**14**	30,20	150	20	22	18	4	28,25
1"	**11**	33,25	160	24	25	20	5	30,75

CODE	€ Netto		€ Netto		€ Netto
E61G1/8	19,50	E61G1/8V	22,50	E61G1/8T	28,80
E61G1/4	27,70	E61G1/4V	30,80	E61G1/4T	41,40
E61G3/8	36,70	E61G3/8V	40,60	E61G3/8T	51,90
E61G1/2	49,10	E61G1/2V	54,60	E61G1/2T	70,80
E61G5/8	62,20	E61G5/8V	68,60	E61G5/8T	85,80
E61G3/4	83,70	E61G3/4V	91,80	E61G3/4T	112,90
E61G7/8	108,70	E61G7/8V	125,00	E61G7/8T	157,30
E61G1"	147,50	E61G1"V	159,00	E61G1"T	198,10

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min											
P	Acciaio - Steel - Acier - Rm ≤ 850 N/mm²	❍1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 10-15	•1.2 10-15	•1.3 10-12	❍1.4 8-10	•1.1 20-30	•1.2 20-30	•1.3 20-25	•1.4 15-20
M	Acciaio inox - Stainless steel - Acier inoxydable												
K	Ghisa - Cast iron - Fonte									❍3.3 10-15	•3.4 15-20		
N	Leghe di Allumino - Al alloys - Alliage Al	❍4.1 10-15	•4.2 15-20			•4.1 10-15	•4.2 15-20			❍4.1 20-25	•4.2 25-30	❍4.3 20-25	
N	Leghe di Rame - Copper alloys - Alliages de cuivre	❍5.1 8-12	❍5.2 10-15			•5.1 8-12	•5.2 10-15			❍5.1 15-20	•5.2 20-25		

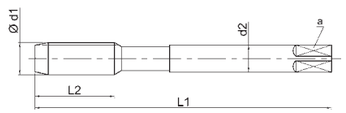
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

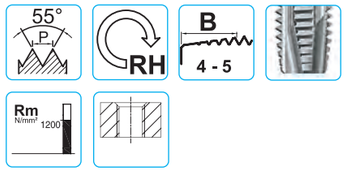
GAS

MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

ISO 228 | U | APPLICAZIONI UNIVERSALI - UNIVERSAL APPLICATIONS - USINAGE UNIVERSELS

DIN 5156





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**
Materiale - Tool Material - Substrat	**PM3**
Tolleranza - Thread tolerance - Tolérance du filetage	**ISO228X**
Trattamento superficiale - Surface treatment - Revêtement	**XP**

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z	
1/8	**28**	9,73	90	15	7	5,5	3	8,8
1/4	**19**	13,16	100	22	11	9	4	11,8
3/8	**19**	16,66	100	22	12	9	4	15,25
1/2	**14**	20,96	125	25	16	12	4	19
3/4	**14**	26,44	140	25	20	16	4	24,5

CODE	€ Netto
K25G1/8XP	35,30
K25G1/4XP	50,00
K25G3/8XP	63,90
K25G1/2XP	93,90
K25G3/4XP	147,70

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	❍1.1 20-30 · •1.2 20-30 · •1.3 20-25 · •1.4 15-20 · •1.5 5-12
M	Acciaio inox - Stainless steel - Acier inoxydable	•2.1 10-15 · •2.2 8-10 · •2.3 6-8
K	Ghisa - Cast iron - Fonte	•3.3 10-15 · •3.4 15-20
N	Leghe di Allumino - Al alloys - Alliage Al	•4.2 25-30 · •4.3 20-25
N	Leghe di Rame - Copper alloys - Alliages de cuivre Truciolo lungo - Long chipping - Copeaux longs	•5.2 20-25

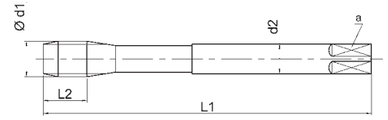
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

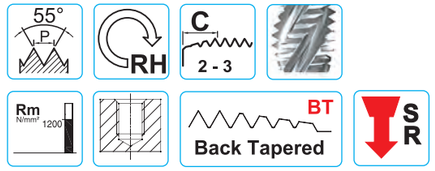
GAS

MASCHI A MACCHINA - Elicoidali 45° per fori ciechi
MACHINE TAPS - Spiral flutes 45° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 45° pour trous borgnes

ISO 228 | U | APPLICAZIONI UNIVERSALI - UNIVERSAL APPLICATIONS - USINAGE UNIVERSELS

DIN 5156





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**	**3,5xD**
Materiale - Tool Material - Substrat	**PM3**	**PM3**
Tolleranza - Thread tolerance - Tolérance du filetage	**ISO 228X**	**ISO 228X**
Trattamento superficiale - Surface treatment - Revêtement	**XP**	**XP**

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z	
1/8	**28**	9,73	90	15	7	5,5	3	8,8
1/4	**19**	13,16	100	15	11	9	3	11,8
3/8	**19**	16,66	100	15	12	9	4	15,25
1/2	**14**	20,96	125	18	16	12	4	19
3/4	**14**	26,44	140	20	20	16	4	24,5
1"	**11**	33,25	160	24	25	20	5	30,75

CODE	€ Netto	CODE	€ Netto
K83G1/8XP	39,80	K83G1/8FOR-XP	62,20
K83G1/4XP	57,40	K83G1/4FOR-XP	82,20
K83G3/8XP	72,80	K83G3/8FOR-XP	98,00
K83G1/2XP	98,60	K83G1/2FOR-XP	127,30
K83G3/4XP	160,20	K83G3/4FOR-XP	198,90
K83G1"XP	268,00	K83G1"FOR-XP	314,50

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	❍1.1 20-30 · •1.2 20-30 · •1.3 20-25 · •1.4 15-20 · •1.5 5-12 · ❍1.1 20-30 · •1.2 20-30 · •1.3 20-25 · •1.4 15-20 · •1.5 5-12
M	Acciaio inox - Stainless steel - Acier inoxydable	•2.1 10-15 · •2.2 8-10 · •2.3 6-8 · •2.1 10-15 · •2.2 8-10 · •2.3 6-8
K	Ghisa - Cast iron - Fonte	•3.3 10-15 · •3.4 15-20 · •3.3 10-15 · •3.4 15-20
N	Leghe di Allumino - Al alloys - Alliage Al	•4.2 25-30 · •4.3 20-25 · •4.2 25-30 · •4.3 20-25
N	Leghe di rame - Copper alloys - Alliages de cuivre Truciolo lungo - Long chipping - Copeaux longs	•5.2 20-25 · •5.2 20-25

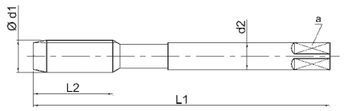
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

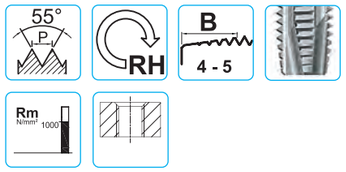
GAS

MASCHI A MACCHINA - Imbocco corretto per fori passanti
MACHINE TAPS - Straight flutes with spiral point for through holes
TARAUDS MACHINE - Goujures droites, entrée gun, pour trous débouchant

ISO 228 | INOX | ACCIAIO INOSSIDABILE - STAINLESS STEEL - ACIER INOXYDABLE

DIN 5156





Profondità di filettatura - Thread depth - Prof. de filetage	**3xD**
Materiale - Tool Material - Substrat	**HSSV3**
Tolleranza - Thread tolerance - Tolérance du filetage	**ISO 228X**
Trattamento superficiale - Surface treatment - Revêtement	**TXC**

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z	
1/8	**28**	9,73	90	15	7	5,5	3	8,8
1/4	**19**	13,16	100	22	11	9	4	11,8
3/8	**19**	16,66	100	22	12	9	4	15,25
1/2	**14**	20,96	125	25	16	12	4	19
3/4	**14**	26,44	140	25	20	16	4	24,5

CODE	€ Netto
V25G1/8TXC	31,10
V25G1/4TXC	43,30
V25G3/8TXC	54,60
V25G1/2TXC	79,20
V25G3/4TXC	127,50

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min				
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	•1.3 20-25	•1.4 15-20	❍1.5 5-12		
M	Acciaio inox - Stainless steel - Acier inoxydable	•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6	

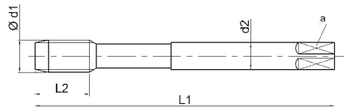
• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

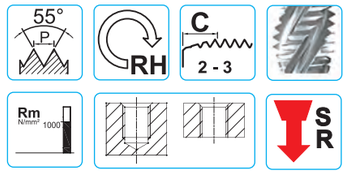
GAS

MASCHI A MACCHINA - Elicoidali 48° per fori ciechi
MACHINE TAPS - Spiral flutes 48° for blind holes
TARAUDS MACHINE - Goujures hélicoïdales 48° pour trous borgnes

ISO 228 | INOX | ACCIAIO INOSSIDABILE - STAINLESS STEEL - ACIER INOXYDABLE

DIN 5156





Profondità di filettatura - Thread depth - Prof. de filetage	**3,5xD**	**3,5xD**
Materiale - Tool Material - Substrat	**HSSV3**	**HSSV3**
Tolleranza - Thread tolerance - Tolérance du filetage	**ISO 228X**	**ISO 228X**
Trattamento superficiale - Surface treatment - Revêtement	**TXC**	**TXC**

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z	
1/8	**28**	9,73	90	15	7	5,5	3	8,8
1/4	**19**	13,16	100	15	11	9	3	11,8
3/8	**19**	16,66	100	15	12	9	4	15,25
1/2	**14**	20,96	125	18	16	12	4	19
3/4	**14**	26,44	140	20	20	16	4	24,5
1"	**11**	33,25	160	24	25	20	5	30,75

CODE	€ Netto	CODE	€ Netto
V83G1/8TXC	34,80	V83G1/8FOR-TXC	52,40
V83G1/4TXC	48,10	V83G1/4FOR-TXC	73,20
V83G3/8TXC	58,40	V83G3/8FOR-TXC	83,20
V83G1/2TXC	83,40	V83G1/2FOR-TXC	108,40
V83G3/4TXC	131,90	V83G3/4FOR-TXC	165,50
V83G1"TXC	221,00	V83G1"FOR-TXC	258,50

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min							
P	Acciaio - Steel - Acier - Rm ≤ 1000 N/mm²	•1.3 20-25	•1.4 15-20	❍1.5 5-12		•1.3 20-25	•1.4 15-20	❍1.5 5-12	
M	Acciaio inox - Stainless steel - Acier inoxydable	•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6	•2.1 10-15	•2.2 8-10	•2.3 6-8	❍2.4 3-6

• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

GAS

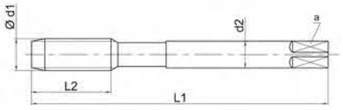
MASCHI A MACCHINA - Per fori ciechi e passanti con canalini di lubrificazione
MACHINE TAPS - For blind and through holes with oil grooves
TARAUDS MACHINE - Pour trous borgnes et débouchant avec rainures de lubrification

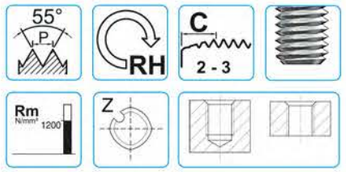
UFS ROLL

ISO 228

MASCHI A RULLARE - ROLL FORM TAPS - TARAUDS À REFOULER

DIN 5156





	P-ROLL	K-ROLL	K-ROLL
Profondità di filettatura - Thread depth - Prof. de filetage	3xD	3xD	3xD
Materiale - Tool Material - Substrat	PM8	PM8	PM8
Tolleranza - Thread tolerance - Tolérance du filetage	ISO 228X	ISO 228X	ISO 228X
Trattamento superficiale - Surface treatment - Revêtement	TiN	TiN-G	TiN-G

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto
1/8	28	9,73	90	15	7	5,5	5	9,25	P2CCG1/8T 41,00
1/4	19	13,16	100	22	11	9	6	12,5	P2CCG1/4T 57,30
3/8	19	16,66	100	22	12	9	6	16	P2CCG3/8T 70,80
1/2	14	20,96	125	25	16	12	8	20	P2CCG1/2T 84,60
3/4	14	26,44	140	25	20	16	8	25,5	P2CCG3/4T 124,00

Ød1 GAS	P TPI	Ø mm	L_1	L_2	d_2 h9	a h12	Z		CODE € Netto	€ Netto
1/8	28	9,73	90	10	7	5,5	8	9,25	K2CCG1/8TG 45,80	K2CCG1/8FOR-TG 68,20
1/4	19	13,16	100	13	11	9	8	12,5	K2CCG1/4TG 65,90	K2CCG1/4FOR-TG 93,00
3/8	19	16,66	100	13	12	9	8	16	K2CCG3/8TG 81,40	K2CCG3/8FOR-TG 108,60
1/2	14	20,96	125	18	16	12	8	20	K2CCG1/2TG 97,00	K2CCG1/2FOR-TG 127,20
5/8	14	22,91	125	18	18	14,5	8	22	K2CCG5/8TG 130,30	K2CCG5/8FOR-TG 170,60
3/4	14	26,44	140	18	20	16	8	25,5	K2CCG3/4TG 138,80	K2CCG3/4FOR-TG 177,60
7/8	14	30,20	150	18	22	18	8	29,25	K2CCG7/8TG 206,20	K2CCG7/8FOR-TG 252,70
1"	11	33,25	160	23	25	20	8	32	K2CCG1"TG 224,80	K2CCG1"FOR-TG 279,10

ISO	Campo di impiego Application range Gamme d'application	Gruppo di materiali - Velocità di taglio m/min Material groups - Cutting speed m/min Groupes de matières - Vitesse de coupe m/min									
P	Acciaio - Steel - Acier - Rm ≤ 1200 N/mm²	•1.1 20-30	•1.2 20-30	•1.3 20-25	❍1.4 15-20	•1.3 30-35	•1.4 25-30	•1.5 15-20	•1.3 30-35	•1.4 25-30	•1.5 15-20
M	Acciaio inox - Stainless steel - Acier inoxydable	❍2.1 10-15	❍2.2 10-12	❍2.3 6-10		❍2.2 10-12	❍2.3 6-10	❍2.4 6-8	❍2.2 10-12	❍2.3 6-10	❍2.4 6-8
N	Leghe di Allumino - Al alloys - Alliage Al	❍4.1 35-40	❍4.2 40-45	❍4.3 35-40							
N	Leghe di rame - Copper alloys - Alliages de cuivre	❍5.1 15-20	❍5.2 15-20								

• Raccomandato - Optimal - Recommandé ❍ Adatto - Suitable - Adaptè

TAPS, ROLL TAPS, THREAD PLUG GAUGES AND DIES

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