

TECNOLOGIA DI FILETTATURA MASCHI IN MDI

CATALOGO e LISTINO

2014

HMIG



IGUTENSILI
COSTRUZIONE E AFFILATURA

Maschi in metallo duro integrale DIRITTO

M	HMIG110 NF	Maschio Metrico passo grosso Forato Neutro	DIN 371	Pag. 6
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	HMIG110 N	Maschio Metrico passo grosso Pieno Neutro		Pag. 8
	HMIG110 T	Maschio Metrico passo grosso Pieno Rivestito		Pag. 9
	HMIG120 NF	Maschio Metrico passo grosso Forato Neutro	DIN 376	Pag. 10
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	HMIG120 N	Maschio Metrico passo grosso Pieno Neutro		Pag. 12
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Maschi in metallo duro integrale DIRITTO

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Maschi in metallo duro integrale ELICOIDALE

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	HMIG320 T	Maschio Metrico passo grosso Pieno Rivestito		Pag. 35


Maschi in metallo duro integrale ELICOIDALE

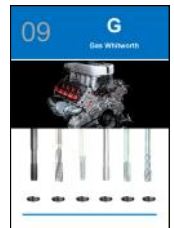
MF	HMIG410 NF	Maschio Metrico passo fine Forato Neutro	DIN 371	Pag. 37
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Maschi in metallo duro integrale per TEMPRATO
DIRITTO

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MF
HMIG510 TX Maschio Metrico passo fine **Pieno Rivestito** **Pag. 52**
Maschi in metallo duro integrale a RULLARE
DIRITTO

M
HMIG610 NF Maschio Metrico passo grosso **Forato Neutro** **DIN 2174** **Pag. 54**
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Maschi in metallo duro integrale
DIRITTO

G
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HMIG710 F Maschio Gas Whithwort **Forato Rivestito** **Pag. 65**
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Sezione tecnica

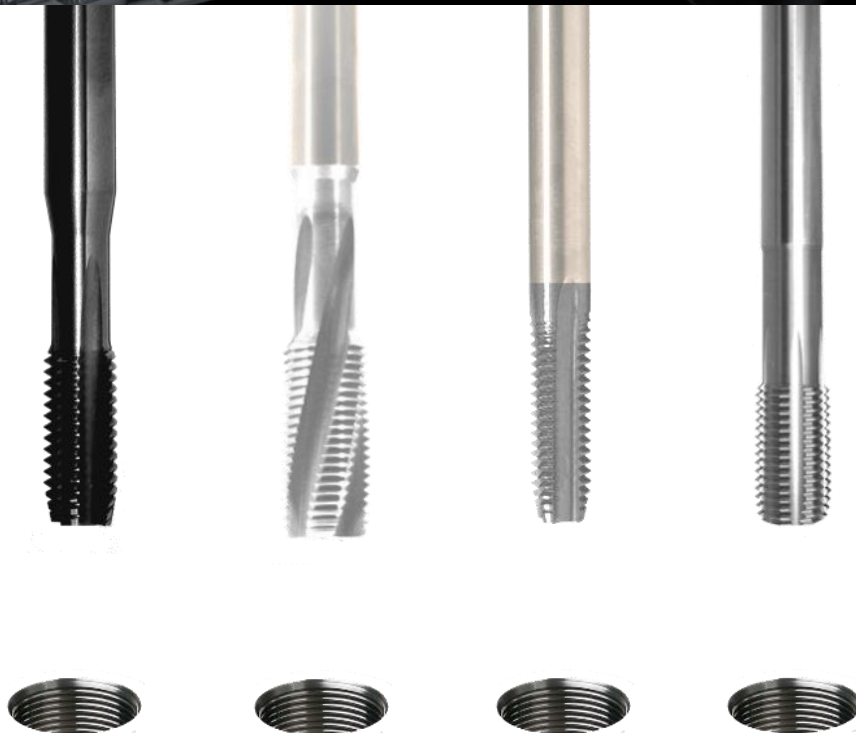
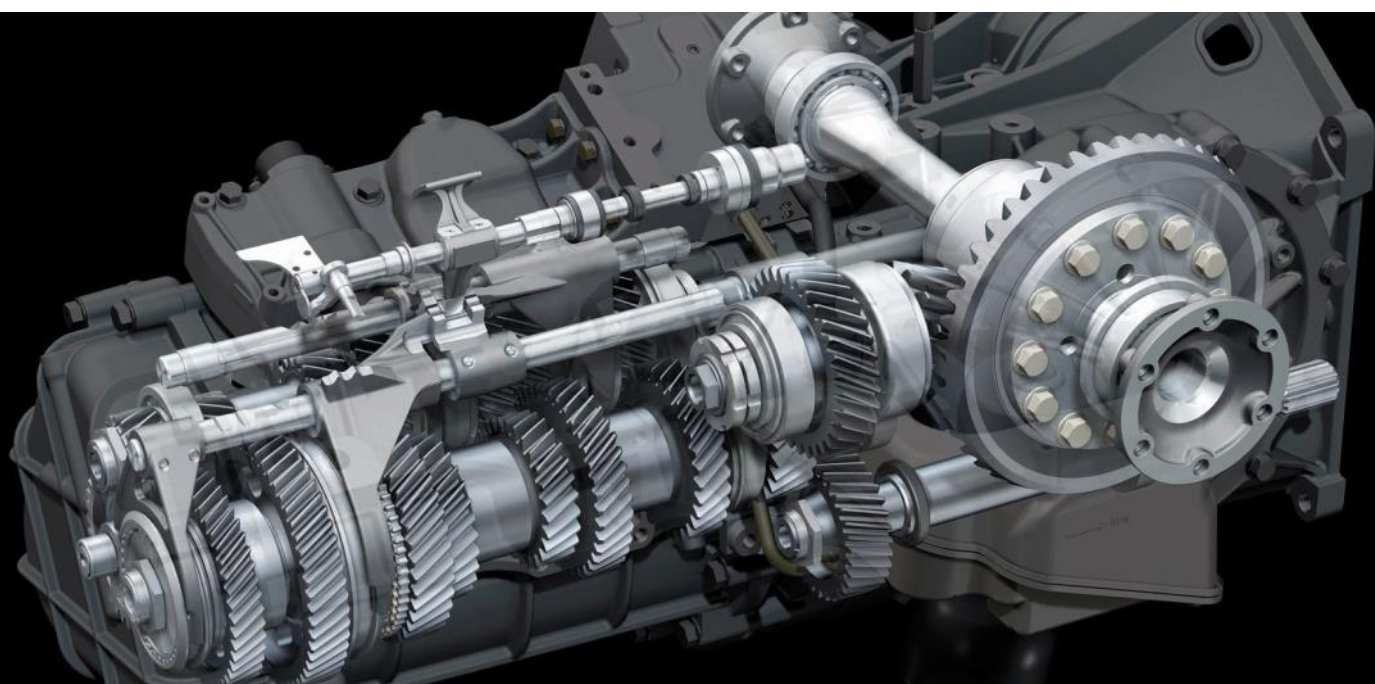
Parametri e avanzamenti - Indice materiali

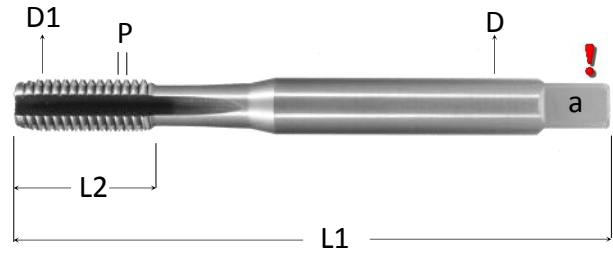
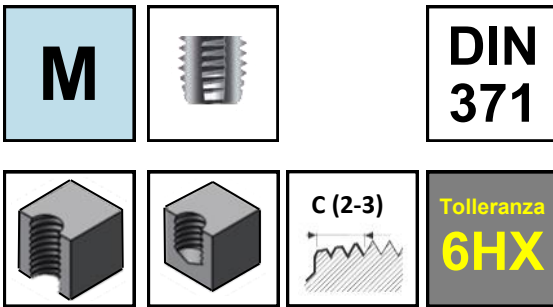
Pag. 68


01

M

Passo metrico grosso



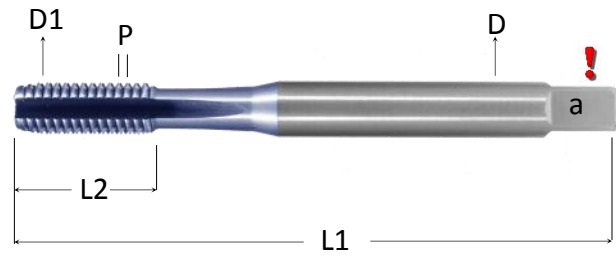

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG110.M3x0.5.N	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 91,95
HMIG110.M3.5x0.7.N	3.5	0.60	56	11	4.0	3.0	3	2.9	€ 92,41
HMIG110.M4x0.7.N	4.0	0.70	63	13	4.5	3.4	3	3.3	€ 92,88
HMIG110.M4.5x0.75.N	4.5	0.75	70	13	6.0	4.9	3	3.7	€ 97,43
HMIG110.M5x0.8.N	5.0	0.8	70	13	6.0	4.9	4	4.2	€ 101,99
HMIG110.M6x1.N	6.0	1.0	80	16	6.0	4.9	4	5.0	€ 115,52
HMIG110.M8x1.25.N	8.0	1.25	90	18	8.0	6.2	4	6.8	€ 179,70
HMIG110.M9x1.25.N	9.0	1.25	90	18	9.0	7.0	4	7.8	€ 199,24
HMIG110.M10x1.5.N	10.0	1.5	100	20	10.0	8.0	4	8.5	€ 218,79





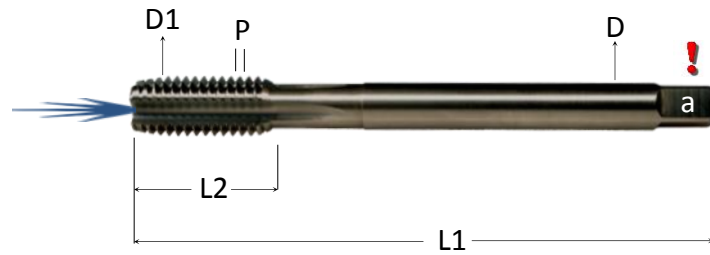
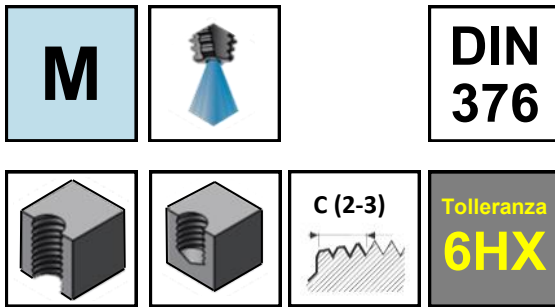
Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG110.M3x0.5.T	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 104,82
HMIG110.M3.5x0.7.T	3.5	0.60	56	11	4.0	3.0	3	2.9	€ 105,35
HMIG110.M4x0.7.T	4.0	0.70	63	13	4.5	3.4	3	3.3	€ 105,88
HMIG110.M4.5x0.75.T	4.5	0.75	70	13	6.0	4.9	3	3.7	€ 110,07
HMIG110.M5x0.8.T	5.0	0.8	70	13	6.0	4.9	4	4.2	€ 116,27
HMIG110.M6x1.T	6.0	1.0	80	16	6.0	4.9	4	5.0	€ 131,69
HMIG110.M8x1.25.T	8.0	1.25	90	18	8.0	6.2	4	6.8	€ 204,86
HMIG110.M9x1.25.T	9.0	1.25	90	18	9.0	7.0	4	7.8	€ 227,13
HMIG110.M10x1.5.T	10.0	1.5	100	20	10.0	8.0	4	8.5	€ 249,42



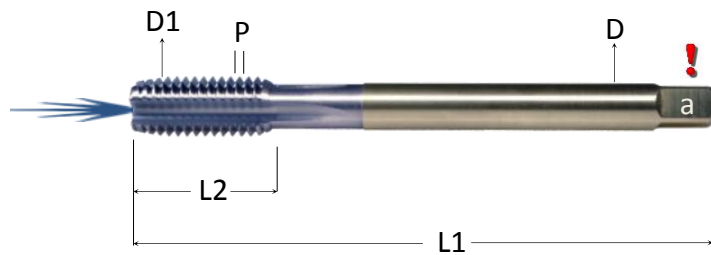

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG120.M4x0.7.NF	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 105,88
HMIG120.M5x0.8.NF	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 116,27
HMIG120.M6x1.NF	6.0	1.00	80	16	4.5	3.4	4	5	€ 131,69
HMIG120.M8x1.25.NF	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 204,86
HMIG120.M10x1.5.NF	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 249,42
HMIG120.M11x1.5.NF	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 249,97
HMIG120.M12x1.75.NF	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 272,70
HMIG120.M14x2.NF	14.0	2.00	110	28	11.0	9.0	5	12	€ 319,92
HMIG120.M16x2.NF	16.0	2.00	110	28	12.0	9.0	5	14	€ 367,15
HMIG120.M18x2.5.NF	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 413,03
HMIG120.M20x2.5.NF	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 458,93



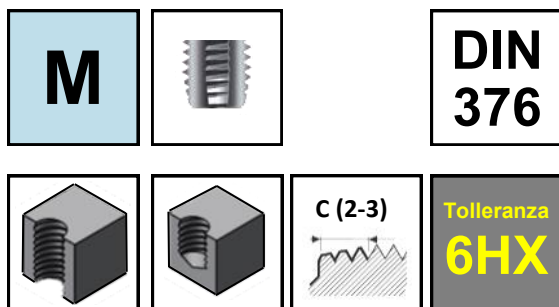

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG120.M4x0.7.F	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 120,70
HMIG120.M5x0.8.F	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 132,55
HMIG120.M6x1.F	6.0	1.00	80	16	4.5	3.4	4	5	€ 150,13
HMIG120.M8x1.25.F	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 233,54
HMIG120.M10x1.5.F	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 284,34
HMIG120.M11x1.5.F	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 284,97
HMIG120.M12x1.75.F	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 310,88
HMIG120.M14x2.F	14.0	2.00	110	28	11.0	9.0	5	12	€ 364,71
HMIG120.M16x2.F	16.0	2.00	110	28	12.0	9.0	5	14	€ 418,55
HMIG120.M18x2.5.F	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 470,85
HMIG120.M20x2.5.F	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 523,18



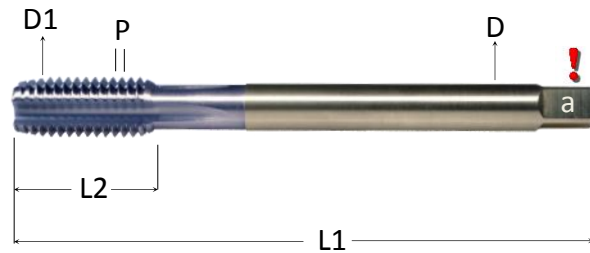

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h ₆	a h ₁₂	Z	Preforo	€
HMIG120.M4x0.7.N	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 92,88
HMIG120.M5x0.8.N	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 101,99
HMIG120.M6x1.N	6.0	1.00	80	16	4.5	3.4	4	5	€ 115,52
HMIG120.M8x1.25.N	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 179,70
HMIG120.M10x1.5.N	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 218,79
HMIG120.M11x1.5.N	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 219,28
HMIG120.M12x1.75.N	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 239,21
HMIG120.M14x2.N	14.0	2.00	110	28	11.0	9.0	5	12	€ 280,63
HMIG120.M16x2.N	16.0	2.00	110	28	12.0	9.0	5	14	€ 322,06
HMIG120.M18x2.5.N	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 362,31
HMIG120.M20x2.5.N	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 402,57





Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

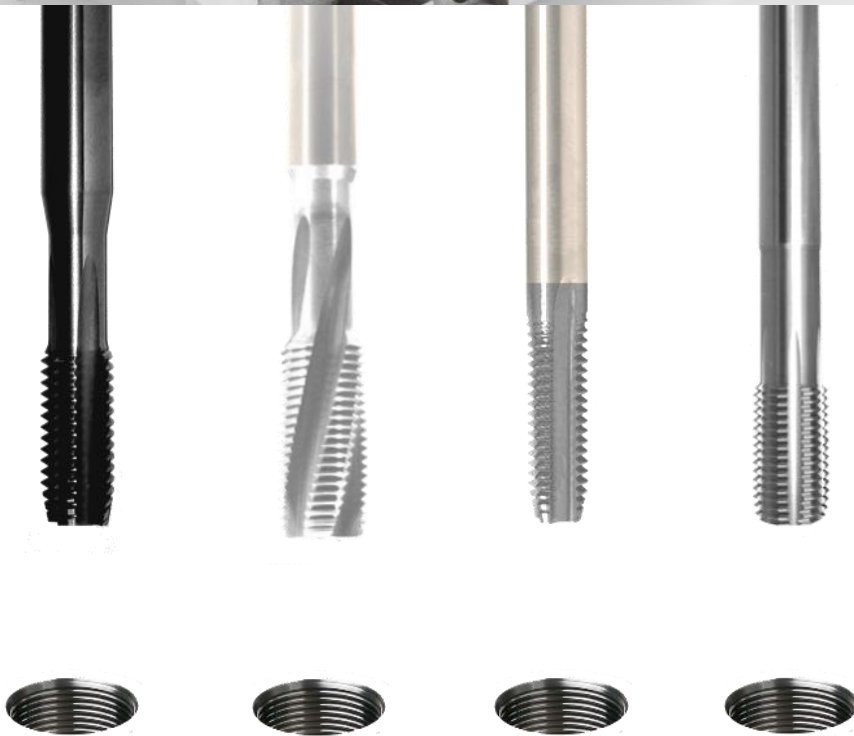
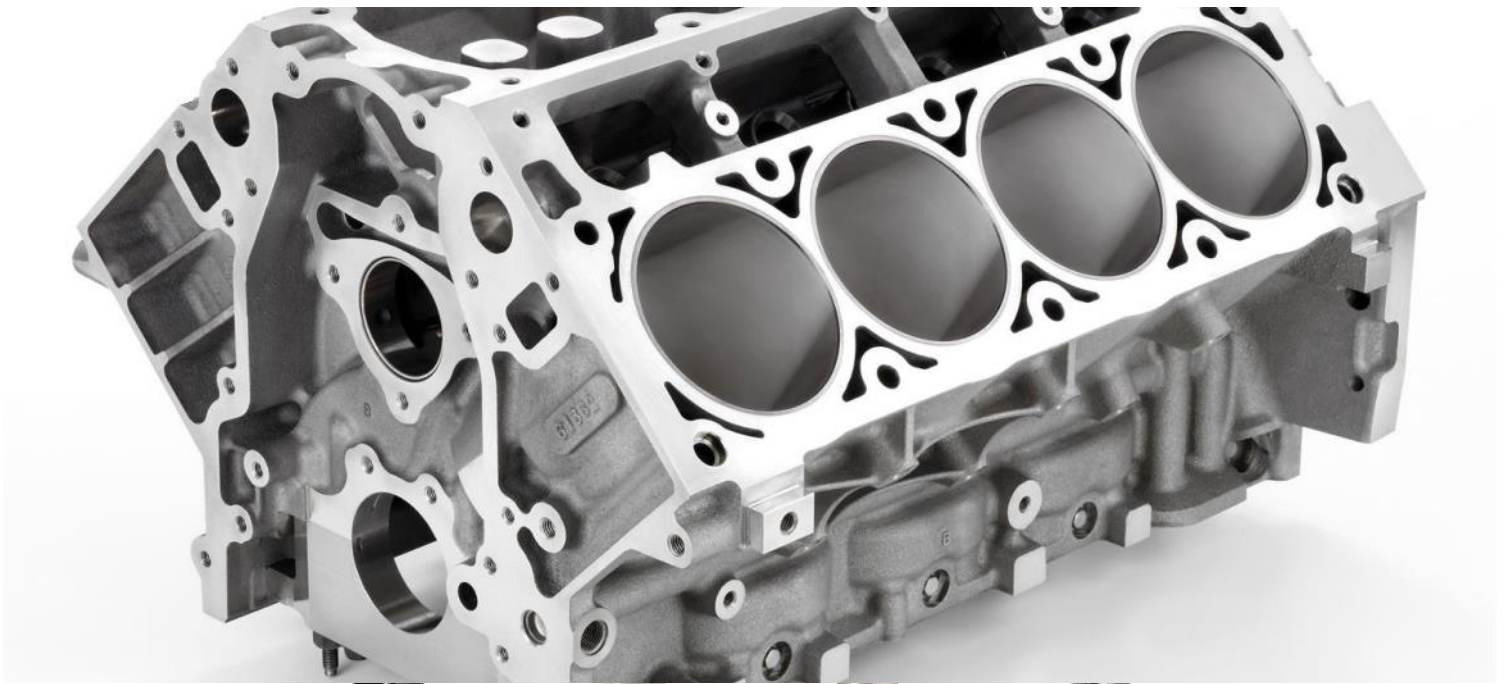
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG120.M4x0.7.T	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 105,88
HMIG120.M5x0.8.T	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 116,27
HMIG120.M6x1.T	6.0	1.00	80	16	4.5	3.4	4	5	€ 131,69
HMIG120.M8x1.25.T	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 204,86
HMIG120.M10x1.5.T	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 249,42
HMIG120.M11x1.5.T	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 249,97
HMIG120.M12x1.75.T	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 272,70
HMIG120.M14x2.T	14.0	2.00	110	28	11.0	9.0	5	12	€ 319,92
HMIG120.M16x2.T	16.0	2.00	110	28	12.0	9.0	5	14	€ 367,15
HMIG120.M18x2.5.T	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 413,03
HMIG120.M20x2.5.T	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 458,93

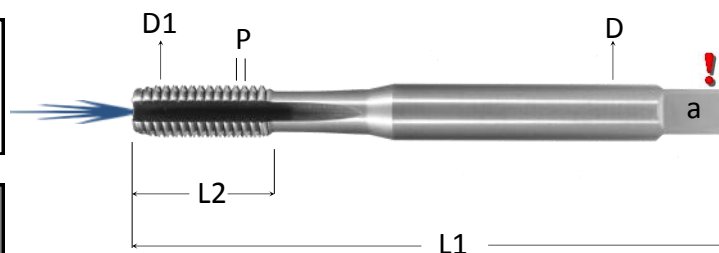
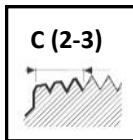
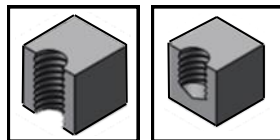


02

MF

Passo metrico fine



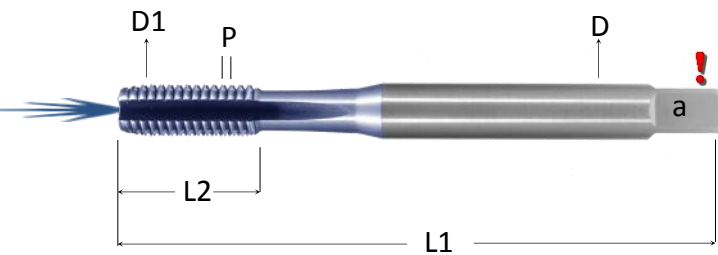

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG210.M3x0.5.NF	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 119,50
HMIG210.MF4x0.5.NF	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 120,70
HMIG210.MF5x0.5.NF	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 132,55
HMIG210.MF6x0.5.NF	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 150,13
HMIG210.MF6x0.75.NF	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 150,13
HMIG210.MF7x0.75.NF	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 233,54
HMIG210.MF8x0.5.NF	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 233,54
HMIG210.MF8x0.75.NF	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 233,54
HMIG210.MF8x1.NF	8.0	1.00	90	18	8.0	6.2	4	7	€ 233,54
HMIG210.MF9x0.5.NF	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 258,93
HMIG210.MF9x0.75.NF	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 258,93
HMIG210.MF9x1.NF	9.0	1.00	90	18	9.0	7.0	4	8	€ 258,93
HMIG210.MF10x0.5.NF	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 284,34
HMIG210.MF10x0.75.NF	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 284,34
HMIG210.MF10x1.NF	10.0	1.00	90	15	10.0	8.0	4	9	€ 284,34
HMIG210.MF10x1.25.NF	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 284,34



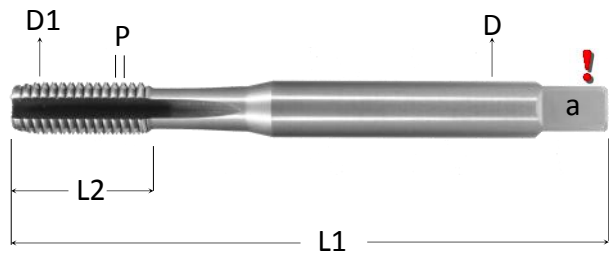
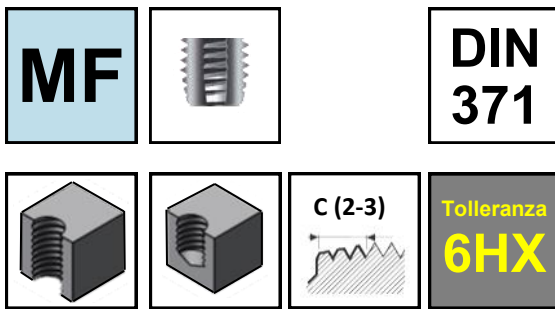

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG210.M3x0.5.F	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 136,23
HMIG210.MF4x0.5.F	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 137,60
HMIG210.MF5x0.5.F	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 151,11
HMIG210.MF6x0.5.F	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 171,15
HMIG210.MF6x0.75.F	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 171,15
HMIG210.MF7x0.75.F	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 266,23
HMIG210.MF8x0.5.F	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 266,23
HMIG210.MF8x0.75.F	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 266,23
HMIG210.MF8x1.F	8.0	1.00	90	18	8.0	6.2	4	7	€ 266,23
HMIG210.MF9x0.5.F	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 295,18
HMIG210.MF9x0.75.F	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 295,18
HMIG210.MF9x1.F	9.0	1.00	90	18	9.0	7.0	4	8	€ 295,18
HMIG210.MF10x0.5.F	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 324,15
HMIG210.MF10x0.75.F	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 324,15
HMIG210.MF10x1.F	10.0	1.00	90	15	10.0	8.0	4	9	€ 324,15
HMIG210.MF10x1.25.F	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 324,15



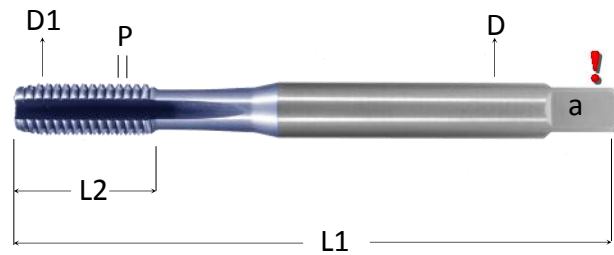

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG210.M3x0.5.N	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 104,82
HMIG210.MF4x0.5.N	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 105,88
HMIG210.MF5x0.5.N	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 116,27
HMIG210.MF6x0.5.N	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 131,69
HMIG210.MF6x0.75.N	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 131,69
HMIG210.MF7x0.75.N	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 131,69
HMIG210.MF8x0.5.N	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 204,86
HMIG210.MF8x0.75.N	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 204,86
HMIG210.MF8x1.N	8.0	1.00	90	18	8.0	6.2	4	7	€ 204,86
HMIG210.MF9x0.5.N	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 227,13
HMIG210.MF9x0.75.N	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 227,13
HMIG210.MF9x1.N	9.0	1.00	90	18	9.0	7.0	4	8	€ 227,13
HMIG210.MF10x0.5.N	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 249,42
HMIG210.MF10x0.75.N	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 249,42
HMIG210.MF10x1.N	10.0	1.00	90	15	10.0	8.0	4	9	€ 249,42
HMIG210.MF10x1.25.N	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 249,42





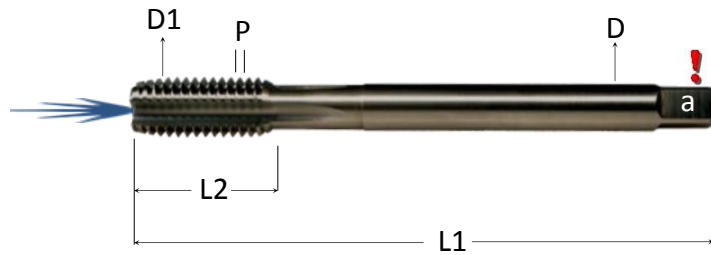
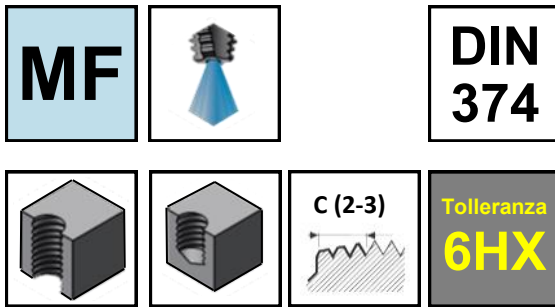
Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG210.M3x0.5.T	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 119,50
HMIG210.MF4x0.5.T	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 120,70
HMIG210.MF5x0.5.T	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 132,55
HMIG210.MF6x0.5.T	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 150,13
HMIG210.MF6x0.75.T	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 150,13
HMIG210.MF7x0.75.T	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 233,54
HMIG210.MF8x0.5.T	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 233,54
HMIG210.MF8x0.75.T	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 233,54
HMIG210.MF8x1.T	8.0	1.00	90	18	8.0	6.2	4	7	€ 233,54
HMIG210.MF9x0.5.T	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 258,93
HMIG210.MF9x0.75.T	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 258,93
HMIG210.MF9x1.T	9.0	1.00	90	18	9.0	7.0	4	8	€ 258,93
HMIG210.MF10x0.5.T	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 284,34
HMIG210.MF10x0.75.T	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 284,34
HMIG210.MF10x1.T	10.0	1.00	90	15	10.0	8.0	4	9	€ 284,34
HMIG210.MF10x1.25.T	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 284,34



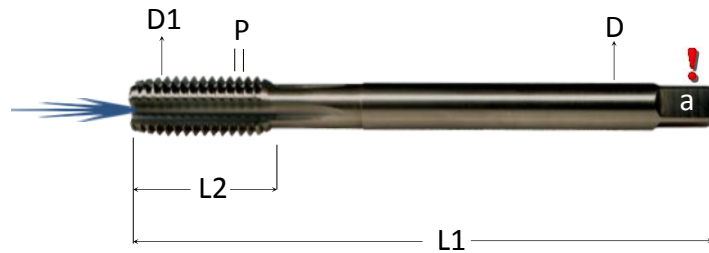
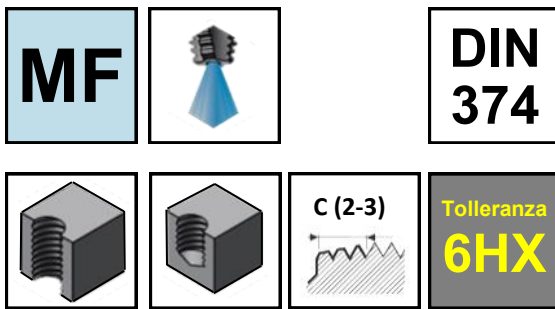

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG220.MF4x0.5.NF	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 120,70
HMIG220.MF5x0.5.NF	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 132,55
HMIG220.MF6x0.5.NF	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 150,13
HMIG220.MF6x0.75.NF	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 150,13
HMIG220.MF7x0.75.NF	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 233,54
HMIG220.MF8x0.5.NF	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 233,54
HMIG220.MF8x0.75.NF	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 233,54
HMIG220.MF8x1.NF	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 233,54
HMIG220.MF9x1.NF	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 284,34
HMIG220.MF10x0.5.NF	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 284,34
HMIG220.MF10x0.75.NF	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 284,34
HMIG220.MF10x1.NF	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 284,34
HMIG220.MF10x1.25.NF	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 284,34
HMIG220.MF11x0.75.NF	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 284,96
HMIG220.MF11x1.NF	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 284,96
HMIG220.MF12x0.5.NF	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 310,88
HMIG220.MF12x0.75.NF	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 310,88
HMIG220.MF12x1.NF	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 310,88
HMIG220.MF12x1.25.NF	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 310,88
HMIG220.MF12x1.5.NF	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 310,88
HMIG220.MF13x1.NF	13.0	1.00	100	22	11	9.0	5	12	€ 364,71
HMIG220.MF13x1.25.NF	13.0	1.25	100	22	11	9.0	5	12.75	€ 364,71
HMIG220.MF13x1.5.NF	13.0	1.5	100	22	11	9.0	5	12.5	€ 364,71
HMIG220.MF14x1.NF	14.0	1.00	100	22	11	9.0	5	13	€ 364,71
HMIG220.MF14x1.25.NF	14.0	1.25	100	22	11	9.0	5	12.75	€ 364,71
HMIG220.MF14x1.5.NF	14.0	1.50	100	22	11	9.0	5	12.5	€ 364,71
HMIG220.MF15x1.NF	15.0	1.00	100	22	12	9.0	5	14	€ 418,55
HMIG220.MF15x1.25.NF	15.0	1.25	100	22	12	9.0	5	13.75	€ 418,55


 Segue

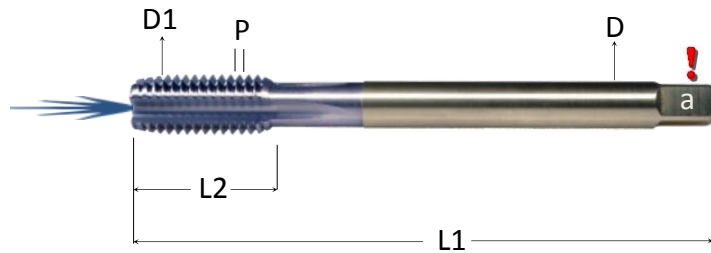


Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG220.MF15x1.5.NF	15.0	1.50	100	22	12	9.0	5	13.5	€ 418,55
HMIG220.MF16x1.NF	16.0	1.00	100	22	12	9.0	5	15	€ 418,55
HMIG220.MF16x1.25.NF	16.0	1.25	100	22	12	9.0	5	14.75	€ 418,55
HMIG220.MF16x1.5.NF	16.0	1.50	100	22	12	9.0	5	14.5	€ 418,55
HMIG220.MF17x1.NF	17.0	1.00	110	25	14	11.0	5	16	€ 470,85
HMIG220.MF17x1.5.NF	17.0	1.50	110	25	14	11.0	5	15.5	€ 470,85
HMIG220.MF18x1.NF	18.0	1.00	110	25	14	11.0	5	17	€ 470,85
HMIG220.MF18x1.5.NF	18.0	1.50	110	25	14	11.0	5	16.5	€ 470,85
HMIG220.MF18x2.NF	18.0	2.00	125	33	14	11.0	5	16	€ 470,85
HMIG220.MF19x1.NF	19.0	1.00	110	25	14	11.0	5	18	€ 523,18
HMIG220.MF19x1.5.NF	19.0	1.50	110	25	14	11.0	5	17.5	€ 523,18
HMIG220.MF20x1.NF	20.0	1.00	125	25	16	12.0	5	19	€ 523,18
HMIG220.MF20x1.5.NF	20.0	1.50	125	25	16	12.0	5	18.5	€ 523,18
HMIG220.MF20x2.NF	20.0	2.00	140	33	16	12.0	5	18	€ 523,18



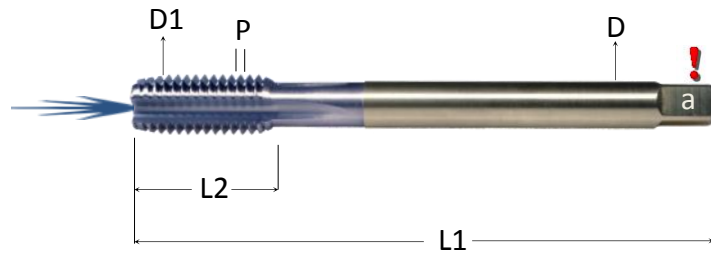

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG220.MF4x0.5.F	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 137,60
HMIG220.MF5x0.5.F	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 151,11
HMIG220.MF6x0.5.F	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 171,15
HMIG220.MF6x0.75.F	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 171,15
HMIG220.MF7x0.75.F	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 266,23
HMIG220.MF8x0.5.F	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 266,23
HMIG220.MF8x0.75.F	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 266,23
HMIG220.MF8x1.F	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 266,23
HMIG220.MF9x1.F	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 324,15
HMIG220.MF10x0.5.F	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 324,15
HMIG220.MF10x0.75.F	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 324,15
HMIG220.MF10x1.F	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 324,15
HMIG220.MF10x1.25.F	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 324,15
HMIG220.MF11x0.75.F	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 324,86
HMIG220.MF11x1.F	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 324,86
HMIG220.MF12x0.5.F	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 354,40
HMIG220.MF12x0.75.F	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 354,40
HMIG220.MF12x1.F	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 354,40
HMIG220.MF12x1.25.F	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 354,40
HMIG220.MF12x1.5.F	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 354,40
HMIG220.MF13x1.F	13.0	1.00	100	22	11	9.0	5	12	€ 415,77
HMIG220.MF13x1.25.F	13.0	1.25	100	22	11	9.0	5	12.75	€ 415,77
HMIG220.MF13x1.5.F	13.0	1.5	100	22	11	9.0	5	12.5	€ 415,77
HMIG220.MF14x1.F	14.0	1.00	100	22	11	9.0	5	13	€ 415,77
HMIG220.MF14x1.25.F	14.0	1.25	100	22	11	9.0	5	12.75	€ 415,77
HMIG220.MF14x1.5.F	14.0	1.50	100	22	11	9.0	5	12.5	€ 415,77
HMIG220.MF15x1.F	15.0	1.00	100	22	12	9.0	5	14	€ 477,15
HMIG220.MF15x1.25.F	15.0	1.25	100	22	12	9.0	5	13.75	€ 477,15
HMIG220.MF15x1.5.F	15.0	1.50	100	22	12	9.0	5	13.5	€ 477,15


 Segue

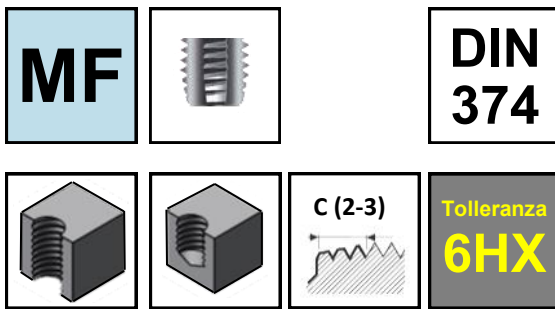


Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG220.MF16x1.F	16.0	1.00	100	22	12	9.0	5	15	€ 477,15
HMIG220.MF16x1.25.F	16.0	1.25	100	22	12	9.0	5	14.75	€ 477,15
HMIG220.MF16x1.5.F	16.0	1.50	100	22	12	9.0	5	14.5	€ 477,15
HMIG220.MF17x1.F	17.0	1.00	110	25	14	11.0	5	16	€ 536,77
HMIG220.MF17x1.5.F	17.0	1.50	110	25	14	11.0	5	15.5	€ 536,77
HMIG220.MF18x1.F	18.0	1.00	110	25	14	11.0	5	17	€ 536,77
HMIG220.MF18x1.5.F	18.0	1.50	110	25	14	11.0	5	16.5	€ 536,77
HMIG220.MF18x2.F	18.0	2.00	125	33	14	11.0	5	16	€ 536,77
HMIG220.MF19x1.F	19.0	1.00	110	25	14	11.0	5	18	€ 596,42
HMIG220.MF19x1.5.F	19.0	1.50	110	25	14	11.0	5	17.5	€ 596,42
HMIG220.MF20x1.F	20.0	1.00	125	25	16	12.0	5	19	€ 596,42
HMIG220.MF20x1.5.F	20.0	1.50	125	25	16	12.0	5	18.5	€ 596,42
HMIG220.MF20x2.F	20.0	2.00	140	33	16	12.0	5	18	€ 596,42



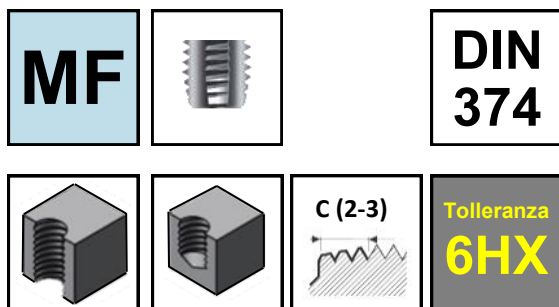

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG220.MF4x0.5.N	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 105,88
HMIG220.MF5x0.5.N	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 116,27
HMIG220.MF6x0.5.N	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 131,69
HMIG220.MF6x0.75.N	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 131,69
HMIG220.MF7x0.75.N	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 204,86
HMIG220.MF8x0.5.N	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 204,86
HMIG220.MF8x0.75.N	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 204,86
HMIG220.MF8x1.N	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 204,86
HMIG220.MF9x1.N	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 249,42
HMIG220.MF10x0.5.N	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 249,42
HMIG220.MF10x0.75.N	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 249,42
HMIG220.MF10x1.N	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 249,42
HMIG220.MF10x1.25.N	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 249,42
HMIG220.MF11x0.75.N	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 249,99
HMIG220.MF11x1.N	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 249,99
HMIG220.MF12x0.5.N	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 272,70
HMIG220.MF12x0.75.N	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 272,70
HMIG220.MF12x1.N	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 272,70
HMIG220.MF12x1.25.N	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 272,70
HMIG220.MF12x1.5.N	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 272,70
HMIG220.MF13x1.N	13.0	1.00	100	22	11	9.0	5	12	€ 319,92
HMIG220.MF13x1.25.N	13.0	1.25	100	22	11	9.0	5	12.75	€ 319,92
HMIG220.MF13x1.5.N	13.0	1.5	100	22	11	9.0	5	12.5	€ 319,92
HMIG220.MF14x1.N	14.0	1.00	100	22	11	9.0	5	13	€ 319,92
HMIG220.MF14x1.25.N	14.0	1.25	100	22	11	9.0	5	12.75	€ 319,92
HMIG220.MF14x1.5.N	14.0	1.50	100	22	11	9.0	5	12.5	€ 319,92
HMIG220.MF15x1.N	15.0	1.00	100	22	12	9.0	5	14	€ 367,15
HMIG220.MF15x1.25.N	15.0	1.25	100	22	12	9.0	5	13.75	€ 367,15
HMIG220.MF15x1.5.N	15.0	1.50	100	22	12	9.0	5	13.5	€ 367,15

 Segue 

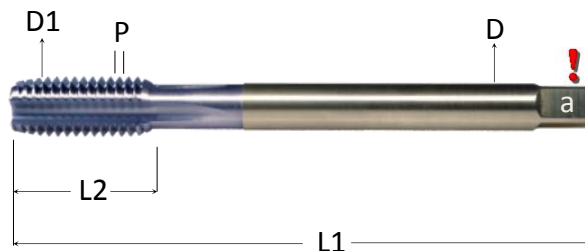


Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG220.MF16x1.N	16.0	1.00	100	22	12	9.0	5	15	€ 367,15
HMIG220.MF16x1.25.N	16.0	1.25	100	22	12	9.0	5	14.75	€ 367,15
HMIG220.MF16x1.5.N	16.0	1.50	100	22	12	9.0	5	14.5	€ 367,15
HMIG220.MF17x1.N	17.0	1.00	110	25	14	11.0	5	16	€ 413,03
HMIG220.MF17x1.5.N	17.0	1.50	110	25	14	11.0	5	15.5	€ 413,03
HMIG220.MF18x1.N	18.0	1.00	110	25	14	11.0	5	17	€ 413,03
HMIG220.MF18x1.5.N	18.0	1.50	110	25	14	11.0	5	16.5	€ 413,03
HMIG220.MF18x2.N	18.0	2.00	125	33	14	11.0	5	16	€ 413,03
HMIG220.MF19x1.N	19.0	1.00	110	25	14	11.0	5	18	€ 458,93
HMIG220.MF19x1.5.N	19.0	1.50	110	25	14	11.0	5	17.5	€ 458,93
HMIG220.MF20x1.N	20.0	1.00	125	25	16	12.0	5	19	€ 458,93
HMIG220.MF20x1.5.N	20.0	1.50	125	25	16	12.0	5	18.5	€ 458,93
HMIG220.MF20x2.N	20.0	2.00	140	33	16	12.0	5	18	€ 458,93



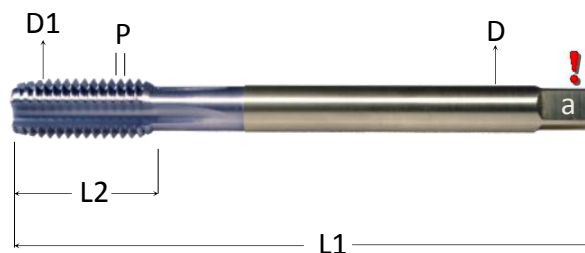

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG220.MF4x0.5.T	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 120,70
HMIG220.MF5x0.5.T	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 132,55
HMIG220.MF6x0.5.T	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 150,13
HMIG220.MF6x0.75.T	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 150,13
HMIG220.MF7x0.75.T	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 233,54
HMIG220.MF8x0.5.T	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 233,54
HMIG220.MF8x0.75.T	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 233,54
HMIG220.MF8x1.T	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 233,54
HMIG220.MF9x1.T	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 284,34
HMIG220.MF10x0.5.T	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 284,34
HMIG220.MF10x0.75.T	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 284,34
HMIG220.MF10x1.T	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 284,34
HMIG220.MF10x1.25.T	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 284,34
HMIG220.MF11x0.75.T	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 284,96
HMIG220.MF11x1.T	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 284,96
HMIG220.MF12x0.5.T	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 310,88
HMIG220.MF12x0.75.T	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 310,88
HMIG220.MF12x1.T	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 310,88
HMIG220.MF12x1.25.T	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 310,88
HMIG220.MF12x1.5.T	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 310,88
HMIG220.MF13x1.T	13.0	1.00	100	22	11	9.0	5	12	€ 364,71
HMIG220.MF13x1.25.T	13.0	1.25	100	22	11	9.0	5	12.75	€ 364,71
HMIG220.MF13x1.5.T	13.0	1.5	100	22	11	9.0	5	12.5	€ 364,71
HMIG220.MF14x1.T	14.0	1.00	100	22	11	9.0	5	13	€ 364,71
HMIG220.MF14x1.25.T	14.0	1.25	100	22	11	9.0	5	12.75	€ 364,71
HMIG220.MF14x1.5.T	14.0	1.50	100	22	11	9.0	5	12.5	€ 364,71
HMIG220.MF15x1.T	15.0	1.00	100	22	12	9.0	5	14	€ 418,55
HMIG220.MF15x1.25.T	15.0	1.25	100	22	12	9.0	5	13.75	€ 418,55
HMIG220.MF15x1.5.T	15.0	1.50	100	22	12	9.0	5	13.5	€ 418,55


 Segue

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG220.MF16x1.T	16.0	1.00	100	22	12	9.0	5	15	€ 418,55
HMIG220.MF16x1.25.T	16.0	1.25	100	22	12	9.0	5	14.75	€ 418,55
HMIG220.MF16x1.5.T	16.0	1.50	100	22	12	9.0	5	14.5	€ 418,55
HMIG220.MF17x1.T	17.0	1.00	110	25	14	11.0	5	16	€ 470,85
HMIG220.MF17x1.5.T	17.0	1.50	110	25	14	11.0	5	15.5	€ 470,85
HMIG220.MF18x1.T	18.0	1.00	110	25	14	11.0	5	17	€ 470,85
HMIG220.MF18x1.5.T	18.0	1.50	110	25	14	11.0	5	16.5	€ 470,85
HMIG220.MF18x2.T	18.0	2.00	125	33	14	11.0	5	16	€ 470,85
HMIG220.MF19x1.T	19.0	1.00	110	25	14	11.0	5	18	€ 523,18
HMIG220.MF19x1.5.T	19.0	1.50	110	25	14	11.0	5	17.5	€ 523,18
HMIG220.MF20x1.T	20.0	1.00	125	25	16	12.0	5	19	€ 523,18
HMIG220.MF20x1.5.T	20.0	1.50	125	25	16	12.0	5	18.5	€ 523,18
HMIG220.MF20x2.T	20.0	2.00	140	33	16	12.0	5	18	€ 523,18

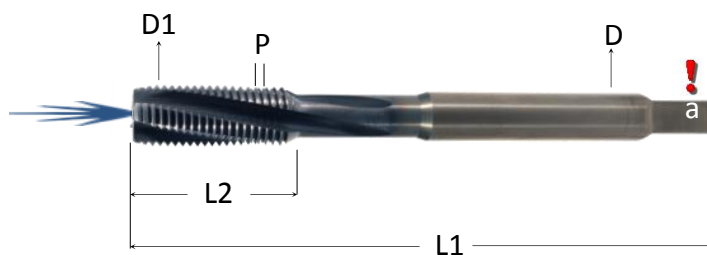


03

M

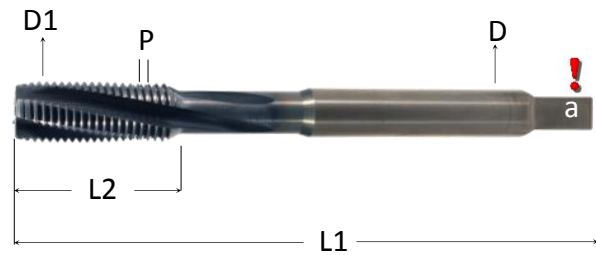
Passo metrico grosso




Materiali lavorabili

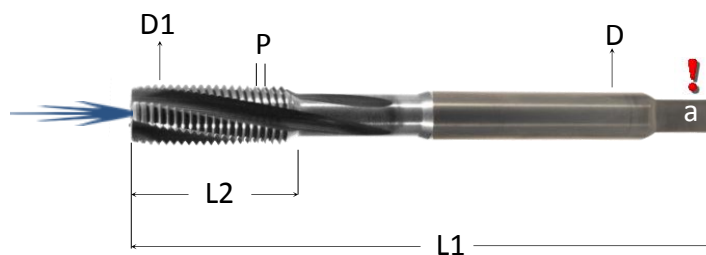
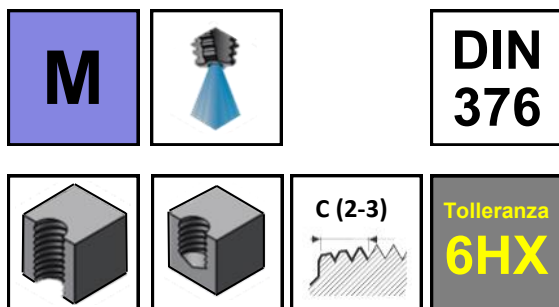
CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG310.M3x0.5.F	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 131,45
HMIG310.M3.5x0.7.F	3.5	0.60	56	11	4.0	3.0	3	2.9	€ 132,01
HMIG310.M4x0.7.F	4.0	0.70	63	13	4.5	3.4	3	3.3	€ 132,77
HMIG310.M4.5x0.75.F	4.5	0.75	70	13	6.0	4.9	3	3.7	€ 138,03
HMIG310.M5x0.8.F	5.0	0.8	70	13	6.0	4.9	4	4.2	€ 145,80
HMIG310.M6x1.F	6.0	1.0	80	16	6.0	4.9	4	5.0	€ 165,14
HMIG310.M8x1.25.F	8.0	1.25	90	18	8.0	6.2	4	6.8	€ 256,89
HMIG310.M9x1.25.F	9.0	1.25	90	18	9.0	7.0	4	7.8	€ 284,82
HMIG310.M10x1.5.F	10.0	1.5	100	20	10.0	8.0	4	8.5	€ 312,77




Materiali lavorabili

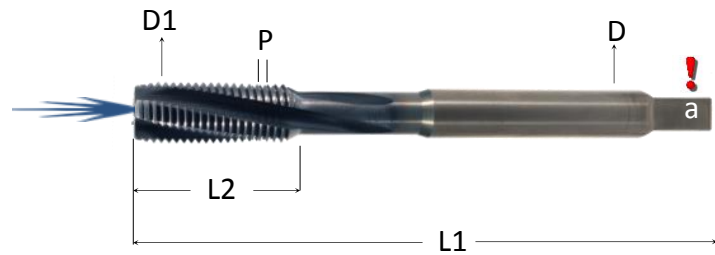
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG310.M3x0.5.T	3.0	0.50	56	10	3.5	2.7	3	2.5	€ 115,30
HMIG310.M3.5x0.7.T	3.5	0.60	56	11	4.0	3.0	3	2.9	€ 115,88
HMIG310.M4x0.7.T	4.0	0.70	63	13	4.5	3.4	3	3.3	€ 116,47
HMIG310.M4.5x0.75.T	4.5	0.75	70	13	6.0	4.9	3	3.7	€ 121,08
HMIG310.M5x0.8.T	5.0	0.8	70	13	6.0	4.9	4	4.2	€ 127,90
HMIG310.M6x1.T	6.0	1.0	80	16	6.0	4.9	4	5.0	€ 144,86
HMIG310.M8x1.25.T	8.0	1.25	90	18	8.0	6.2	4	6.8	€ 225,35
HMIG310.M9x1.25.T	9.0	1.25	90	18	9.0	7.0	4	7.8	€ 249,84
HMIG310.M10x1.5.T	10.0	1.5	100	20	10.0	8.0	4	8.5	€ 274,36




Materiali lavorabili

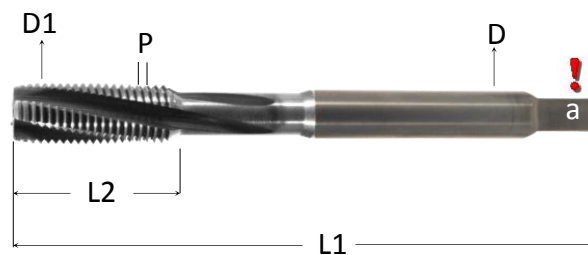
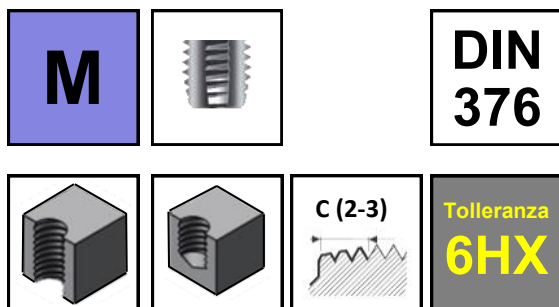
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG320.M4x0.7.NF	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 116,47
HMIG320.M5x0.8.NF	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 127,90
HMIG320.M6x1.NF	6.0	1.00	80	16	4.5	3.4	4	5	€ 144,86
HMIG320.M8x1.25.NF	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 225,35
HMIG320.M10x1.5.NF	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 274,36
HMIG320.M11x1.5.NF	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 274,97
HMIG320.M12x1.75.NF	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 299,97
HMIG320.M14x2.NF	14.0	2.00	110	28	11.0	9.0	5	12	€ 351,91
HMIG320.M16x2.NF	16.0	2.00	110	28	12.0	9.0	5	14	€ 403,86
HMIG320.M18x2.5.NF	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 454,33
HMIG320.M20x2.5.NF	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 504,82



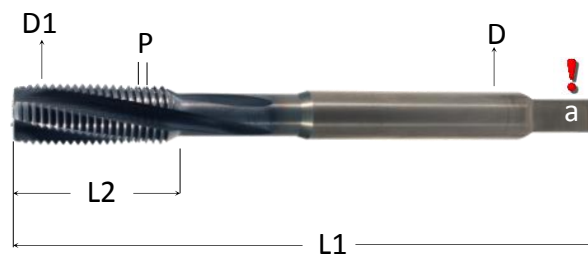

Materiali lavorabili

CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG320.M4x0.7.F	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 132,77
HMIG320.M5x0.8.F	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 145,80
HMIG320.M6x1.F	6.0	1.00	80	16	4.5	3.4	4	5	€ 165,14
HMIG320.M8x1.25.F	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 256,89
HMIG320.M10x1.5.F	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 312,77
HMIG320.M11x1.5.F	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 313,47
HMIG320.M12x1.75.F	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 341,97
HMIG320.M14x2.F	14.0	2.00	110	28	11.0	9.0	5	12	€ 401,18
HMIG320.M16x2.F	16.0	2.00	110	28	12.0	9.0	5	14	€ 460,40
HMIG320.M18x2.5.F	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 517,93
HMIG320.M20x2.5.F	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 575,50




Materiali lavorabili

CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG320.M4x0.7.N	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 102,17
HMIG320.M5x0.8.N	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 112,19
HMIG320.M6x1.N	6.0	1.00	80	16	4.5	3.4	4	5	€ 127,07
HMIG320.M8x1.25.N	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 197,67
HMIG320.M10x1.5.N	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 240,67
HMIG320.M11x1.5.N	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 241,21
HMIG320.M12x1.75.N	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 263,13
HMIG320.M14x2.N	14.0	2.00	110	28	11.0	9.0	5	12	€ 308,69
HMIG320.M16x2.N	16.0	2.00	110	28	12.0	9.0	5	14	€ 354,27
HMIG320.M18x2.5.N	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 398,54
HMIG320.M20x2.5.N	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 442,83



Materiali lavorabili

CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG320.M4x0.7.T	4.0	0.70	63	13	2.8	2.1	3	3.3	€ 116,47
HMIG320.M5x0.8.T	5.0	0.80	70	13	3.5	2.7	4	4.2	€ 127,90
HMIG320.M6x1.T	6.0	1.00	80	16	4.5	3.4	4	5	€ 144,86
HMIG320.M8x1.25.T	8.0	1.25	90	18	6.0	4.9	4	6.8	€ 225,35
HMIG320.M10x1.5.T	10.0	1.50	100	20	7.0	5.5	4	8.5	€ 274,36
HMIG320.M11x1.5.T	11.0	1.50	100	20	8.0	6.2	4	9.5	€ 274,97
HMIG320.M12x1.75.T	12.0	1.75	110	25	9.0	7.0	5	10.3	€ 299,97
HMIG320.M14x2.T	14.0	2.00	110	28	11.0	9.0	5	12	€ 351,91
HMIG320.M16x2.T	16.0	2.00	110	28	12.0	9.0	5	14	€ 403,86
HMIG320.M18x2.5.T	18.0	2.50	125	33	14.0	11.0	5	15.5	€ 454,33
HMIG320.M20x2.5.T	20.0	2.50	140	33	16.0	12.0	5	17.5	€ 504,82

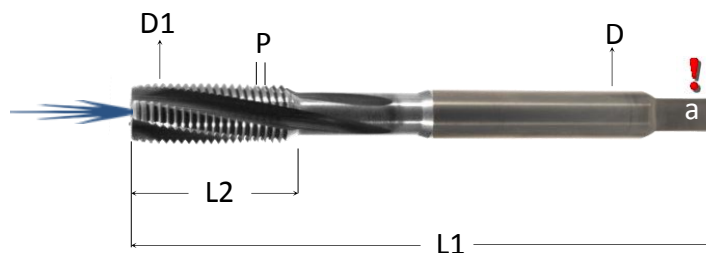
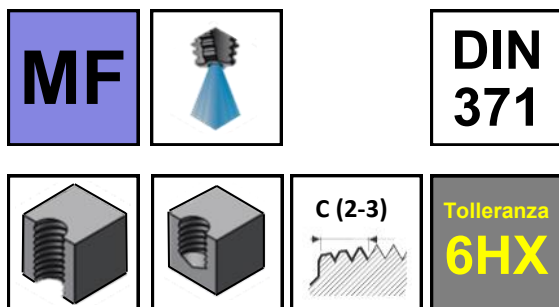


04

MF

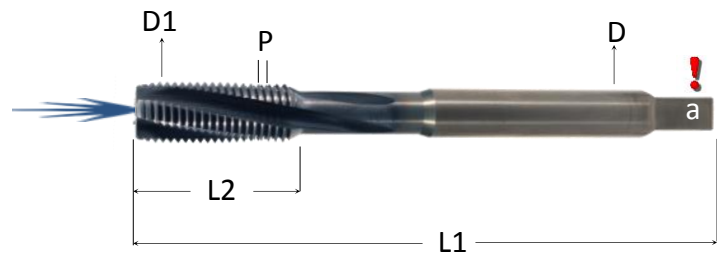
Passo metrico fine




Materiali lavorabili

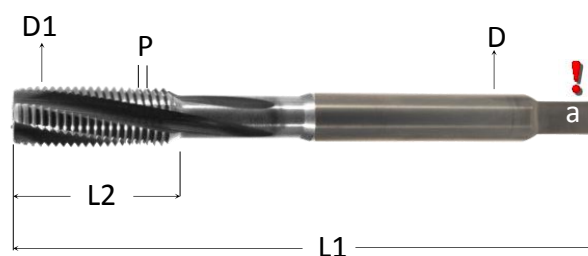
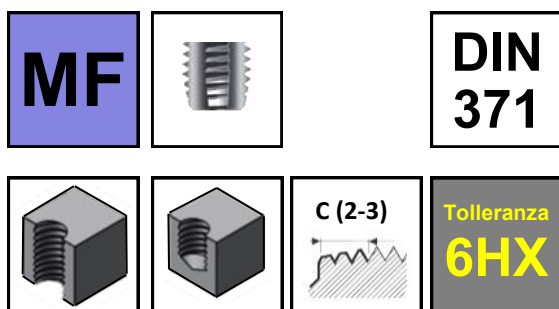
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG410.MF4x0.5.NF	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 131,45
HMIG410.MF5x0.5.NF	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 132,77
HMIG410.MF6x0.5.NF	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 145,80
HMIG410.MF6x0.75.NF	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 165,14
HMIG410.MF7x0.75.NF	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 165,14
HMIG410.MF8x0.5.NF	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 256,89
HMIG410.MF8x0.75.NF	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 256,89
HMIG410.MF8x1.NF	8.0	1.00	90	18	8.0	6.2	4	7	€ 256,89
HMIG410.MF9x0.5.NF	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 284,82
HMIG410.MF9x0.75.NF	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 284,82
HMIG410.MF9x1.NF	9.0	1.00	90	18	9.0	7.0	4	8	€ 284,82
HMIG410.MF10x0.5.NF	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 312,77
HMIG410.MF10x0.75.NF	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 312,77
HMIG410.MF10x1.NF	10.0	1.00	90	15	10.0	8.0	4	9	€ 312,77
HMIG410.MF10x1.25.NF	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 312,77




Materiali lavorabili

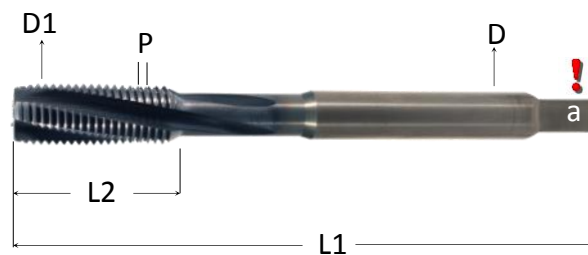
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG410.MF4x0.5.F	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 149,85
HMIG410.MF5x0.5.F	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 151,36
HMIG410.MF6x0.5.F	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 166,22
HMIG410.MF6x0.75.F	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 188,26
HMIG410.MF7x0.75.F	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 188,26
HMIG410.MF8x0.5.F	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 292,85
HMIG410.MF8x0.75.F	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 292,85
HMIG410.MF8x1.F	8.0	1.00	90	18	8.0	6.2	4	7	€ 292,85
HMIG410.MF9x0.5.F	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 324,70
HMIG410.MF9x0.75.F	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 324,70
HMIG410.MF9x1.F	9.0	1.00	90	18	9.0	7.0	4	8	€ 324,70
HMIG410.MF10x0.5.F	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 356,56
HMIG410.MF10x0.75.F	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 356,56
HMIG410.MF10x1.F	10.0	1.00	90	15	10.0	8.0	4	9	€ 356,56
HMIG410.MF10x1.25.F	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 356,56




Materiali lavorabili

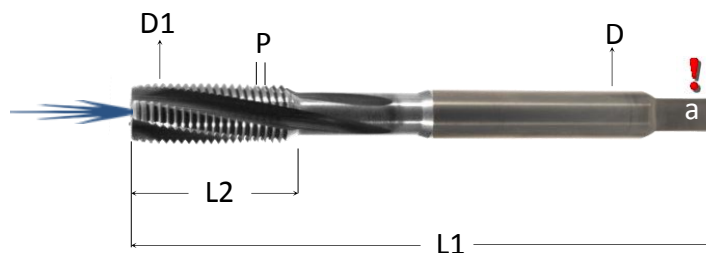
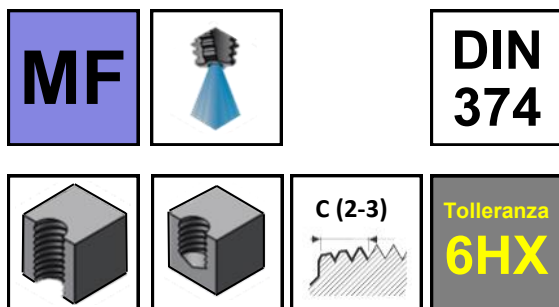
CODICE	D1	P. mm	L1	L2	D _{h6}	a _{h12}	Z	Preforo	€
HMIG410.MF4x0.5.N	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 115,30
HMIG410.MF5x0.5.N	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 116,47
HMIG410.MF6x0.5.N	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 127,90
HMIG410.MF6x0.75.N	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 144,86
HMIG410.MF7x0.75.N	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 144,86
HMIG410.MF8x0.5.N	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 144,86
HMIG410.MF8x0.75.N	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 225,35
HMIG410.MF8x1.N	8.0	1.00	90	18	8.0	6.2	4	7	€ 225,35
HMIG410.MF9x0.5.N	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 225,35
HMIG410.MF9x0.75.N	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 249,84
HMIG410.MF9x1.N	9.0	1.00	90	18	9.0	7.0	4	8	€ 249,84
HMIG410.MF10x0.5.N	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 249,84
HMIG410.MF10x0.75.N	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 274,36
HMIG410.MF10x1.N	10.0	1.00	90	15	10.0	8.0	4	9	€ 274,36
HMIG410.MF10x1.25.N	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 274,36




Materiali lavorabili

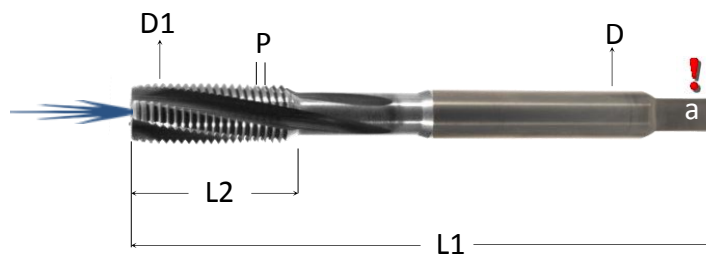
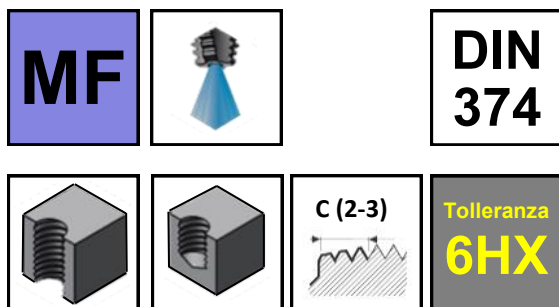
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG410.MF4x0.5.T	4.0	0.50	63	13	4.5	3.4	3	3.5	€ 131,45
HMIG410.MF5x0.5.T	5.0	0.50	70	13	6.0	4.9	4	4.5	€ 132,77
HMIG410.MF6x0.5.T	6.0	0.50	80	16	6.0	4.9	4	5.5	€ 145,80
HMIG410.MF6x0.75.T	6.0	0.72	80	16	6.0	4.9	4	5.25	€ 165,14
HMIG410.MF7x0.75.T	7.0	0.75	80	16	7.0	5.5	4	6.25	€ 165,14
HMIG410.MF8x0.5.T	8.0	0.75	90	18	8.0	6.2	4	7.5	€ 256,89
HMIG410.MF8x0.75.T	8.0	0.75	90	18	8.0	6.2	4	7.25	€ 256,89
HMIG410.MF8x1.T	8.0	1.00	90	18	8.0	6.2	4	7	€ 256,89
HMIG410.MF9x0.5.T	9.0	0.50	90	18	9.0	7.0	4	8.5	€ 256,89
HMIG410.MF9x0.75.T	9.0	0.75	90	18	9.0	7.0	4	8.25	€ 284,82
HMIG410.MF9x1.T	9.0	1.00	90	18	9.0	7.0	4	8	€ 284,82
HMIG410.MF10x0.5.T	10.0	0.50	90	15	10.0	8.0	4	9.5	€ 284,82
HMIG410.MF10x0.75.T	10.0	0.75	90	15	10.0	8.0	4	9.25	€ 284,82
HMIG410.MF10x1.T	10.0	1.00	90	15	10.0	8.0	4	9	€ 284,82
HMIG410.MF10x1.25.T	10.0	1.25	100	20	10.0	8.0	4	8.75	€ 284,82




Materiali lavorabili

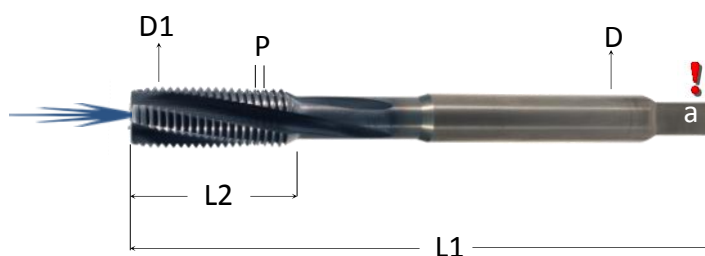
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG420.MF4x0.5.NF	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 132,77
HMIG420.MF5x0.5.NF	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 145,80
HMIG420.MF6x0.5.NF	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 165,14
HMIG420.MF6x0.75.NF	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 165,14
HMIG420.MF7x0.75.NF	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 256,89
HMIG420.MF8x0.5.NF	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 256,89
HMIG420.MF8x0.75.NF	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 256,89
HMIG420.MF8x1.NF	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 256,89
HMIG420.MF9x1.NF	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 312,77
HMIG420.MF10x0.5.NF	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 312,77
HMIG420.MF10x0.75.NF	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 312,77
HMIG420.MF10x1.NF	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 312,77
HMIG420.MF10x1.25.NF	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 312,77
HMIG420.MF11x0.75.NF	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 312,77
HMIG420.MF11x1.NF	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 312,77
HMIG420.MF12x0.5.NF	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 341,97
HMIG420.MF12x0.75.NF	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 341,97
HMIG420.MF12x1.NF	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 341,97
HMIG420.MF12x1.25.NF	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 341,97
HMIG420.MF12x1.5.NF	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 341,97
HMIG420.MF13x1.NF	13.0	1.00	100	22	11	9.0	5	12	€ 401,18
HMIG420.MF13x1.25.NF	13.0	1.25	100	22	11	9.0	5	12.75	€ 401,18
HMIG420.MF13x1.5.NF	13.0	1.5	100	22	11	9.0	5	12.5	€ 401,18
HMIG420.MF14x1.NF	14.0	1.00	100	22	11	9.0	5	13	€ 401,18
HMIG420.MF14x1.25.NF	14.0	1.25	100	22	11	9.0	5	12.75	€ 401,18
HMIG420.MF14x1.5.NF	14.0	1.50	100	22	11	9.0	5	12.5	€ 401,18
HMIG420.MF15x1.NF	15.0	1.00	100	22	12	9.0	5	14	€ 460,40
HMIG420.MF15x1.25.NF	15.0	1.25	100	22	12	9.0	5	13.75	€ 460,40
HMIG420.MF15x1.5.NF	15.0	1.50	100	22	12	9.0	5	13.5	€ 460,40


 Segue



Materiali lavorabili

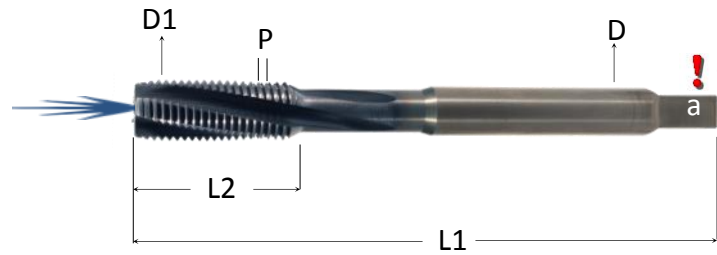
CODICE	D1	P. mm	L1	L2	D h ₆	a h ₁₂	Z	Preforo	€
HMIG420.MF16x1.NF	16.0	1.00	100	22	12	9.0	5	15	€ 460,40
HMIG420.MF16x1.25.NF	16.0	1.25	100	22	12	9.0	5	14.75	€ 460,40
HMIG420.MF16x1.5.NF	16.0	1.50	100	22	12	9.0	5	14.5	€ 460,40
HMIG420.MF17x1.NF	17.0	1.00	110	25	14	11.0	5	16	€ 517,93
HMIG420.MF17x1.5.NF	17.0	1.50	110	25	14	11.0	5	15.5	€ 517,93
HMIG420.MF18x1.NF	18.0	1.00	110	25	14	11.0	5	17	€ 517,93
HMIG420.MF18x1.5.NF	18.0	1.50	110	25	14	11.0	5	16.5	€ 517,93
HMIG420.MF18x2.NF	18.0	2.00	125	33	14	11.0	5	16	€ 517,93
HMIG420.MF19x1.NF	19.0	1.00	110	25	14	11.0	5	18	€ 575,50
HMIG420.MF19x1.5.NF	19.0	1.50	110	25	14	11.0	5	17.5	€ 575,50
HMIG420.MF20x1.NF	20.0	1.00	125	25	16	12.0	5	19	€ 575,50
HMIG420.MF20x1.5.NF	20.0	1.50	125	25	16	12.0	5	18.5	€ 575,50
HMIG420.MF20x2.NF	20.0	2.00	140	33	16	12.0	5	18	€ 575,50




Materiali lavorabili

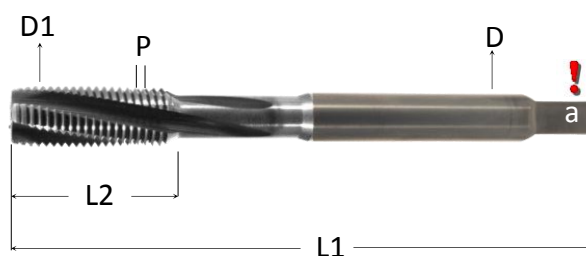
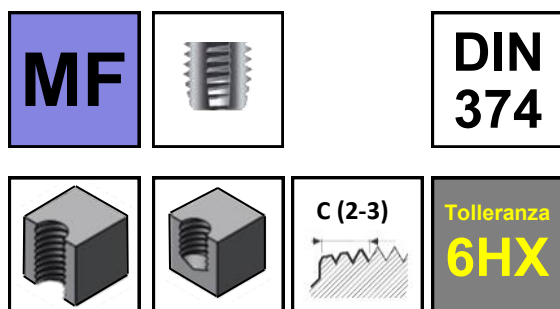
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG420.MF4x0.5.F	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 151,36
HMIG420.MF5x0.5.F	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 166,22
HMIG420.MF6x0.5.F	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 188,26
HMIG420.MF6x0.75.F	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 188,26
HMIG420.MF7x0.75.F	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 292,85
HMIG420.MF8x0.5.F	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 292,85
HMIG420.MF8x0.75.F	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 292,85
HMIG420.MF8x1.F	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 292,85
HMIG420.MF9x1.F	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 256,56
HMIG420.MF10x0.5.F	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 256,56
HMIG420.MF10x0.75.F	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 256,56
HMIG420.MF10x1.F	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 256,56
HMIG420.MF10x1.25.F	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 256,56
HMIG420.MF11x0.75.F	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 256,56
HMIG420.MF11x1.F	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 256,56
HMIG420.MF12x0.5.F	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 389,84
HMIG420.MF12x0.75.F	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 389,84
HMIG420.MF12x1.F	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 389,84
HMIG420.MF12x1.25.F	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 389,84
HMIG420.MF12x1.5.F	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 389,84
HMIG420.MF13x1.F	13.0	1.00	100	22	11	9.0	5	12	€ 457,35
HMIG420.MF13x1.25.F	13.0	1.25	100	22	11	9.0	5	12.75	€ 457,35
HMIG420.MF13x1.5.F	13.0	1.5	100	22	11	9.0	5	12.5	€ 457,35
HMIG420.MF14x1.F	14.0	1.00	100	22	11	9.0	5	13	€ 457,35
HMIG420.MF14x1.25.F	14.0	1.25	100	22	11	9.0	5	12.75	€ 457,35
HMIG420.MF14x1.5.F	14.0	1.50	100	22	11	9.0	5	12.5	€ 457,35
HMIG420.MF15x1.F	15.0	1.00	100	22	12	9.0	5	14	€ 524,86
HMIG420.MF15x1.25.F	15.0	1.25	100	22	12	9.0	5	13.75	€ 524,86
HMIG420.MF15x1.5.F	15.0	1.50	100	22	12	9.0	5	13.5	€ 524,86


 Segue



Materiali lavorabili

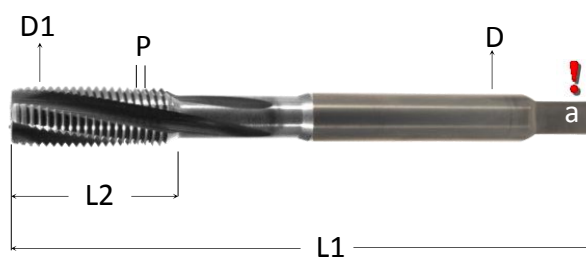
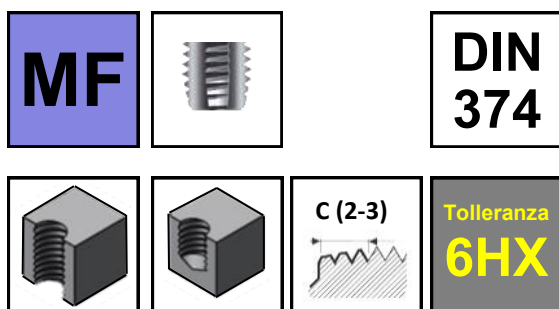
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG420.MF16x1.F	16.0	1.00	100	22	12	9.0	5	15	€ 524,86
HMIG420.MF16x1.25.F	16.0	1.25	100	22	12	9.0	5	14.75	€ 524,86
HMIG420.MF16x1.5.F	16.0	1.50	100	22	12	9.0	5	14.5	€ 524,86
HMIG420.MF17x1.F	17.0	1.00	110	25	14	11.0	5	16	€ 590,45
HMIG420.MF17x1.5.F	17.0	1.50	110	25	14	11.0	5	15.5	€ 590,45
HMIG420.MF18x1.F	18.0	1.00	110	25	14	11.0	5	17	€ 590,45
HMIG420.MF18x1.5.F	18.0	1.50	110	25	14	11.0	5	16.5	€ 590,45
HMIG420.MF18x2.F	18.0	2.00	125	33	14	11.0	5	16	€ 590,45
HMIG420.MF19x1.F	19.0	1.00	110	25	14	11.0	5	18	€ 656,06
HMIG420.MF19x1.5.F	19.0	1.50	110	25	14	11.0	5	17.5	€ 656,06
HMIG420.MF20x1.F	20.0	1.00	125	25	16	12.0	5	19	€ 656,06
HMIG420.MF20x1.5.F	20.0	1.50	125	25	16	12.0	5	18.5	€ 656,06
HMIG420.MF20x2.F	20.0	2.00	140	33	16	12.0	5	18	€ 656,06




Materiali lavorabili

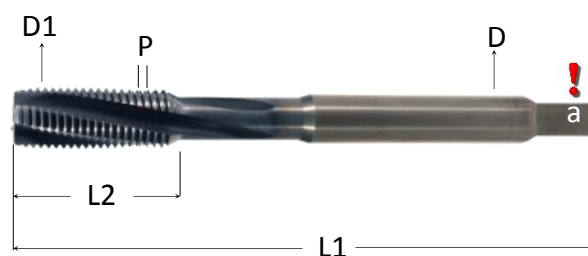
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG420.MF4x0.5.N	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 116,47
HMIG420.MF5x0.5.N	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 127,90
HMIG420.MF6x0.5.N	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 144,86
HMIG420.MF6x0.75.N	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 144,86
HMIG420.MF7x0.75.N	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 225,35
HMIG420.MF8x0.5.N	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 225,35
HMIG420.MF8x0.75.N	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 225,35
HMIG420.MF8x1.N	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 225,35
HMIG420.MF9x1.N	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 274,36
HMIG420.MF10x0.5.N	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 274,36
HMIG420.MF10x0.75.N	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 274,36
HMIG420.MF10x1.N	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 274,36
HMIG420.MF10x1.25.N	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 274,36
HMIG420.MF11x0.75.N	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 274,36
HMIG420.MF11x1.N	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 274,36
HMIG420.MF12x0.5.N	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 299,97
HMIG420.MF12x0.75.N	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 299,97
HMIG420.MF12x1.N	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 299,97
HMIG420.MF12x1.25.N	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 299,97
HMIG420.MF12x1.5.N	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 299,97
HMIG420.MF13x1.N	13.0	1.00	100	22	11	9.0	5	12	€ 351,91
HMIG420.MF13x1.25.N	13.0	1.25	100	22	11	9.0	5	12.75	€ 351,91
HMIG420.MF13x1.5.N	13.0	1.5	100	22	11	9.0	5	12.5	€ 351,91
HMIG420.MF14x1.N	14.0	1.00	100	22	11	9.0	5	13	€ 351,91
HMIG420.MF14x1.25.N	14.0	1.25	100	22	11	9.0	5	12.75	€ 351,91
HMIG420.MF14x1.5.N	14.0	1.50	100	22	11	9.0	5	12.5	€ 351,91
HMIG420.MF15x1.N	15.0	1.00	100	22	12	9.0	5	14	€ 403,86
HMIG420.MF15x1.25.N	15.0	1.25	100	22	12	9.0	5	13.75	€ 403,86
HMIG420.MF15x1.5.N	15.0	1.50	100	22	12	9.0	5	13.5	€ 403,86


 Segue



Materiali lavorabili

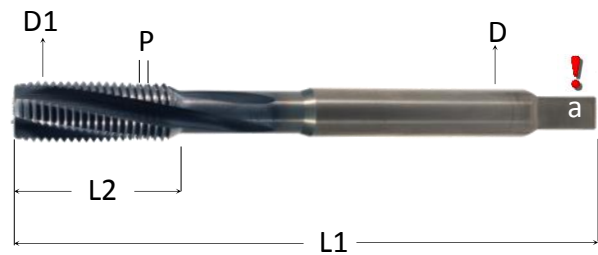
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG420.MF16x1.N	16.0	1.00	100	22	12	9.0	5	15	€ 403,86
HMIG420.MF16x1.25.N	16.0	1.25	100	22	12	9.0	5	14.75	€ 403,86
HMIG420.MF16x1.5.N	16.0	1.50	100	22	12	9.0	5	14.5	€ 403,86
HMIG420.MF17x1.N	17.0	1.00	110	25	14	11.0	5	16	€ 454,33
HMIG420.MF17x1.5.N	17.0	1.50	110	25	14	11.0	5	15.5	€ 454,33
HMIG420.MF18x1.N	18.0	1.00	110	25	14	11.0	5	17	€ 454,33
HMIG420.MF18x1.5.N	18.0	1.50	110	25	14	11.0	5	16.5	€ 454,33
HMIG420.MF18x2.N	18.0	2.00	125	33	14	11.0	5	16	€ 454,33
HMIG420.MF19x1.N	19.0	1.00	110	25	14	11.0	5	18	€ 504,82
HMIG420.MF19x1.5.N	19.0	1.50	110	25	14	11.0	5	17.5	€ 504,82
HMIG420.MF20x1.N	20.0	1.00	125	25	16	12.0	5	19	€ 504,82
HMIG420.MF20x1.5.N	20.0	1.50	125	25	16	12.0	5	18.5	€ 504,82
HMIG420.MF20x2.N	20.0	2.00	140	33	16	12.0	5	18	€ 504,82




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CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG420.MF4x0.5.T	4.0	0.40	63	13	2.8	2.1	3	3.5	€ 132,77
HMIG420.MF5x0.5.T	5.0	0.50	70	13	3.5	2.7	4	4.5	€ 145,80
HMIG420.MF6x0.5.T	6.0	0.50	80	16	4.5	3.4	4	5.5	€ 165,14
HMIG420.MF6x0.75.T	6.0	0.75	80	16	4.5	3.4	4	5.25	€ 165,14
HMIG420.MF7x0.75.T	7.0	0.75	80	16	5.5	4.3	4	6.25	€ 256,89
HMIG420.MF8x0.5.T	8.0	0.50	90	18	6.0	4.9	4	7.5	€ 256,89
HMIG420.MF8x0.75.T	8.0	0.75	90	18	6.0	4.9	4	7.25	€ 256,89
HMIG420.MF8x1.T	8.0	1.00	90	18	6.0	4.9	4	7.0	€ 256,89
HMIG420.MF9x1.T	9.0	1.00	90	18	7.0	5.5	4	8.0	€ 312,77
HMIG420.MF10x0.5.T	10.0	0.50	90	15	7.0	5.5	4	9.5	€ 312,77
HMIG420.MF10x0.75.T	10.0	0.75	90	15	7.0	5.5	4	9.25	€ 312,77
HMIG420.MF10x1.T	10.0	1.00	90	15	7.0	5.5	4	9.0	€ 312,77
HMIG420.MF10x1.25.T	10.0	1.25	100	20	7.0	5.5	4	8.75	€ 312,77
HMIG420.MF11x0.75.T	11.0	0.75	90	20	8.0	6.2	4	10.25	€ 312,77
HMIG420.MF11x1.T	11.0	1.00	90	20	8.0	6.2	4	10.0	€ 312,77
HMIG420.MF12x0.5.T	12.0	0.50	100	22	9.0	7.0	5	11.5	€ 341,97
HMIG420.MF12x0.75.T	12.0	0.75	100	22	9.0	7.0	5	11.25	€ 341,97
HMIG420.MF12x1.T	12.0	1.00	100	22	9.0	7.0	5	11.0	€ 341,97
HMIG420.MF12x1.25.T	12.0	1.25	100	22	9.0	7.0	5	10.75	€ 341,97
HMIG420.MF12x1.5.T	12.0	1.50	100	22	9.0	7.0	5	1.50	€ 341,97
HMIG420.MF13x1.T	13.0	1.00	100	22	11	9.0	5	12	€ 401,18
HMIG420.MF13x1.25.T	13.0	1.25	100	22	11	9.0	5	12.75	€ 401,18
HMIG420.MF13x1.5.T	13.0	1.5	100	22	11	9.0	5	12.5	€ 401,18
HMIG420.MF14x1.T	14.0	1.00	100	22	11	9.0	5	13	€ 401,18
HMIG420.MF14x1.25.T	14.0	1.25	100	22	11	9.0	5	12.75	€ 401,18
HMIG420.MF14x1.5.T	14.0	1.50	100	22	11	9.0	5	12.5	€ 401,18
HMIG420.MF15x1.T	15.0	1.00	100	22	12	9.0	5	14	€ 460,40
HMIG420.MF15x1.25.T	15.0	1.25	100	22	12	9.0	5	13.75	€ 460,40
HMIG420.MF15x1.5.T	15.0	1.50	100	22	12	9.0	5	13.5	€ 460,40


 Segue



Materiali lavorabili

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG420.MF16x1.T	16.0	1.00	100	22	12	9.0	5	15	€ 460,40
HMIG420.MF16x1.25.T	16.0	1.25	100	22	12	9.0	5	14.75	€ 460,40
HMIG420.MF16x1.5.T	16.0	1.50	100	22	12	9.0	5	14.5	€ 460,40
HMIG420.MF17x1.T	17.0	1.00	110	25	14	11.0	5	16	€ 517,93
HMIG420.MF17x1.5.T	17.0	1.50	110	25	14	11.0	5	15.5	€ 517,93
HMIG420.MF18x1.T	18.0	1.00	110	25	14	11.0	5	17	€ 517,93
HMIG420.MF18x1.5.T	18.0	1.50	110	25	14	11.0	5	16.5	€ 517,93
HMIG420.MF18x2.T	18.0	2.00	125	33	14	11.0	5	16	€ 517,93
HMIG420.MF19x1.T	19.0	1.00	110	25	14	11.0	5	18	€ 575,50
HMIG420.MF19x1.5.T	19.0	1.50	110	25	14	11.0	5	17.5	€ 575,50
HMIG420.MF20x1.T	20.0	1.00	125	25	16	12.0	5	19	€ 575,50
HMIG420.MF20x1.5.T	20.0	1.50	125	25	16	12.0	5	18.5	€ 575,50
HMIG420.MF20x2.T	20.0	2.00	140	33	16	12.0	5	18	€ 575,50

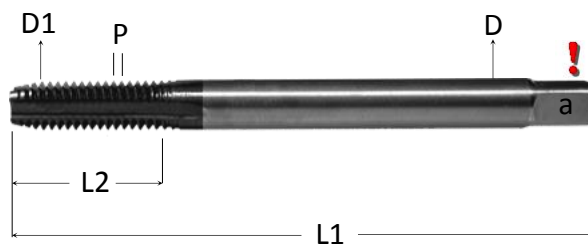
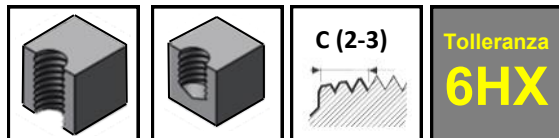


05

M

Passo metrico grosso
per TEMPRATO




Materiali lavorabili

A1.8

E5.4

I9.1 - I9.3

CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG510.M3x0.5.TX	3.0	0.50	56	10	3.5	2.7	4	2.5	€ 136,52
HMIG510.M4x0.7.TX	4.0	0.70	63	13	4.5	3.4	4	3.3	€ 141,77
HMIG510.M5x0.8.TX	5.0	0.80	70	13	6.0	4.9	5	4.2	€ 160,44
HMIG510.M6x1.TX	6.0	1.00	80	18	6.0	4.9	5	5	€ 180,87
HMIG510.M8x1.25.TX	8.0	1.25	90	25	8.0	6.2	5	6.8	€ 205,95
HMIG510.M10x1.5.TX	10.0	1.50	100	30	10.0	8.0	5	8.5	€ 268,38
HMIG510.M12x1.75.TX	12.0	1.75	110	30	12.0	9.0	6	10.3	€ 333,73
HMIG510.M14x2.TX	14.0	2.00	110	35	14.0	9.0	6	12	€ 428,95
HMIG510.M16x2.TX	16.0	2.00	110	40	16.0	12.0	6	14.25	€ 497,99
HMIG510.M18x2.5.TX	#	18.0	125	45	18.0	15.0	6	15.5	A richiesta
HMIG510.M20x2.5.TX	#	20.0	140	50	20.0	17.0	6	17.5	A richiesta

Normativa I.G. Utensili

 Indice materiali pagina 72

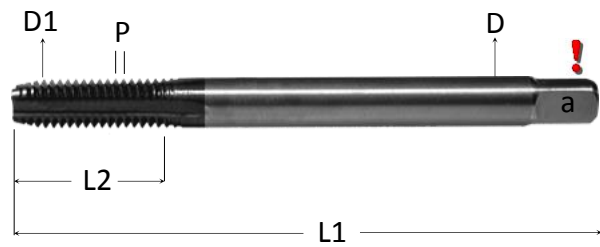
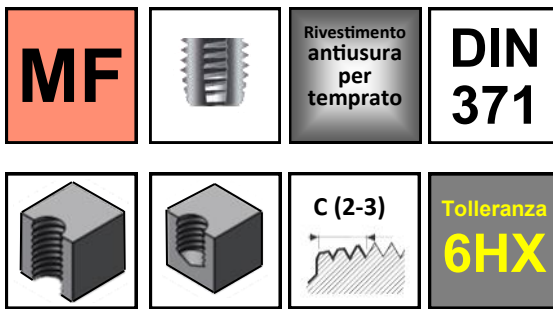
VARIANTE ALL'ORDINE:SQ = per richiedere il materiale senza quadro (es. HMIG110.M9X1,25.NF_SQ)

06

MF

Passo metrico fine
per TEMPRATO




Materiali lavorabili

A1.8

E5.4

I9.1 - I9.3

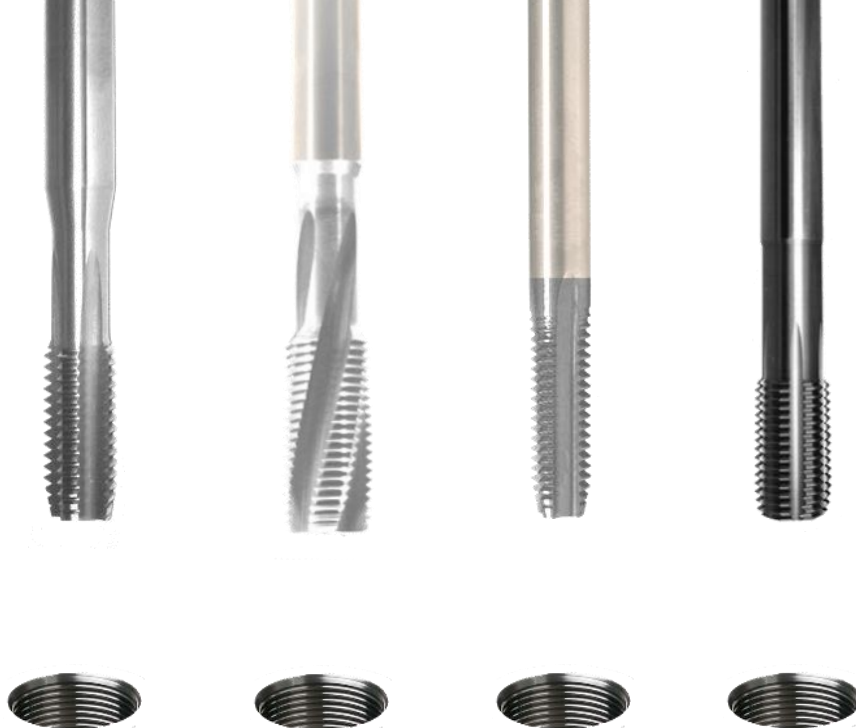
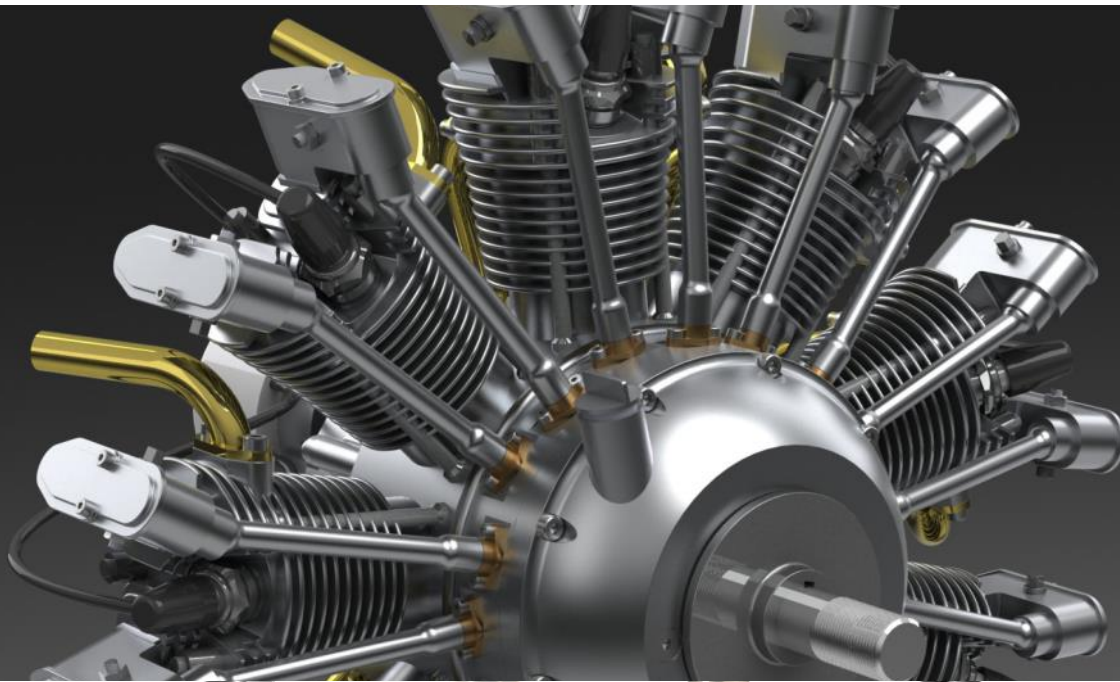
CODICE	D1	P. mm	L1	L2	D h6	a h12	Z	Preforo	€
HMIG510.MF3x0.35.TX	3.0	0.35	56	10	3.5	2.7	4	2.5	€ 155,63
HMIG510.MF4x0.40.TX	4.0	0.40	63	13	4.5	3.4	4	3.3	€ 161,62
HMIG510.MF5x0.50.TX	5.0	0.50	70	13	6.0	4.9	5	4.2	€ 182,90
HMIG510.MF6x0.50.TX	6.0	0.50	80	16	6.0	4.9	5	5.5	€ 206,19
HMIG510.MF6x0.75.TX	6.0	0.75	80	16	6.0	4.9	5	5.25	€ 206,19
HMIG510.MF8x0.50.TX	8.0	0.50	90	18	8.0	6.2	5	7.5	€ 234,78
HMIG510.MF8x0.75.TX	8.0	0.75	90	18	8.0	6.2	5	7.25	€ 234,78
HMIG510.MF8x1.TX	8.0	1.00	90	18	8.0	6.2	5	7.0	€ 234,78
HMIG510.MF10x1.TX	10.0	1.00	100	30	10.0	8.0	5	8.5	€ 305,95
HMIG510.MF12x1.5.TX	12.0	1.50	110	30	12.0	9.0	6	10.3	€ 380,45
HMIG510.MF14x1.5.TX	14.0	1.50	110	35	14.0	9.0	6	12	€ 438,62
HMIG510.MF16x1.5.TX	16.0	1.50	110	40	16.0	12.0	6	14.25	€ 496,80

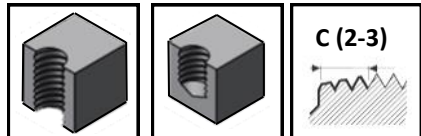
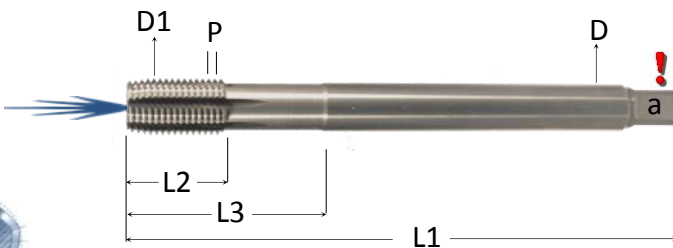


07

M

Passo metrico grosso

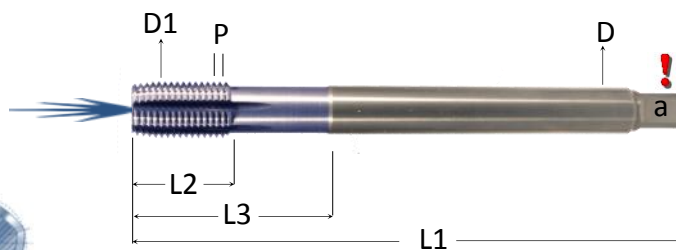





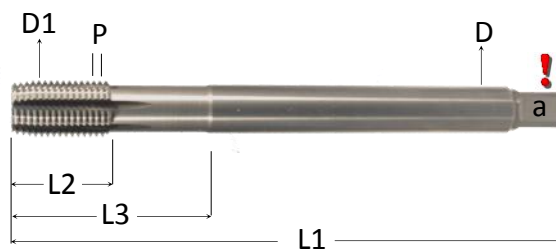
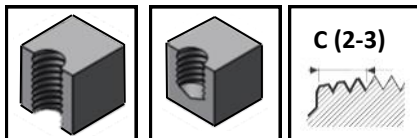
Materiali lavorabili


CODICE	D1	P. mm	L	L2	L3	D	€
HMIG610.M6x1.NF	6.0	1.00	80	16	29	6.0	A richiesta
HMIG610.M7x1.NF	7.0	1.00	80	19	29	8.0	A richiesta
HMIG610.M8x1.25.NF	8.0	1.25	90	18	33	8.0	A richiesta
HMIG610.M9x1.25.NF	9.0	1.25	90	18	33	10.0	A richiesta
HMIG610.M10x1.5.NF	10.0	1.50	100	20	36	10.0	A richiesta
HMIG610.M11x1.5.NF	11.0	1.50	100	22	38	8.0	A richiesta
HMIG610.M12x1.75.NF	12.0	1.75	110	22	-	9.0	A richiesta
HMIG610.M14x2.0.NF	14.0	2.00	110	22	-	11.0	A richiesta
HMIG610.M16x2.0.NF	16.0	2.00	110	22	-	12.0	A richiesta
HMIG610.M18x2.5.NF	18.0	2.50	125	22	-	14.0	A richiesta
HMIG610.M20x2.5.NF	20.0	2.50	140	25	-	16.0	A richiesta




Materiali lavorabili

CODICE	D1	P. mm	L	L2	L3	D	Preforo 	€
HMIG610.M6x1.F	6.0	1.00	80	16	29	6.0		A richiesta
HMIG610.M7x1.F	7.0	1.00	80	19	29	8.0		A richiesta
HMIG610.M8x1.25.F	8.0	1.25	90	18	33	8.0		A richiesta
HMIG610.M9x1.25.F	9.0	1.25	90	18	33	10.0		A richiesta
HMIG610.M10x1.5.F	10.0	1.50	100	20	36	10.0		A richiesta
HMIG610.M11x1.5.F	11.0	1.50	100	22	38	8.0		A richiesta
HMIG610.M12x1.75.F	12.0	1.75	110	22	-	9.0		A richiesta
HMIG610.M14x2.0.F	14.0	2.00	110	22	-	11.0		A richiesta
HMIG610.M16x2.0.F	16.0	2.00	110	22	-	12.0		A richiesta
HMIG610.M18x2.5.F	18.0	2.50	125	22	-	14.0		A richiesta
HMIG610.M20x2.5.F	20.0	2.50	140	25	-	16.0		A richiesta

M
**DIN
 2174**

Materiali lavorabili

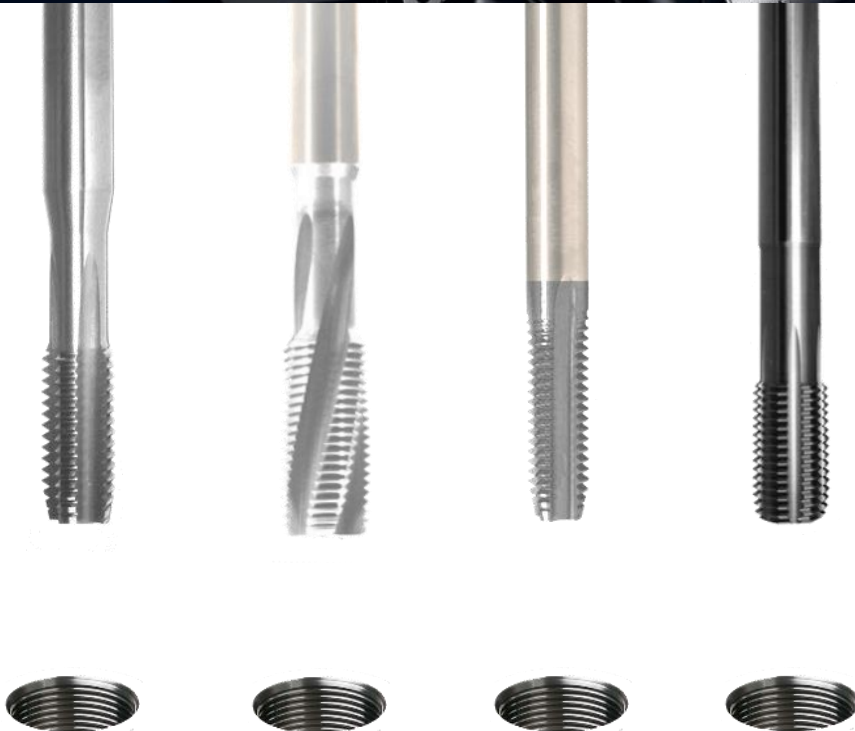
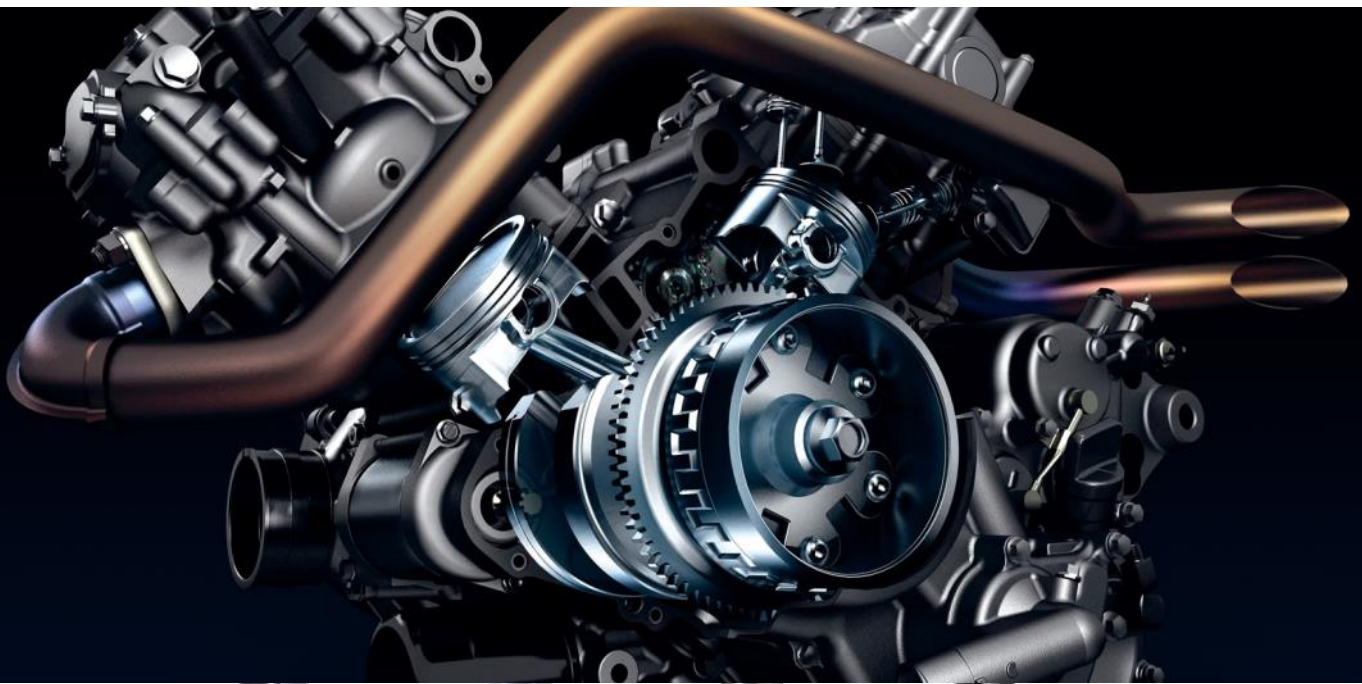
CODICE	D1	P. mm	L	L2	L3	D	 Preforo	€
HMIG610.M6x1.N	6.0	1.00	80	16	29	6.0		A richiesta
HMIG610.M7x1.N	7.0	1.00	80	19	29	8.0		A richiesta
HMIG610.M8x1.25.N	8.0	1.25	90	18	33	8.0		A richiesta
HMIG610.M9x1.25.N	9.0	1.25	90	18	33	10.0		A richiesta
HMIG610.M10x1.5.N	10.0	1.50	100	20	36	10.0		A richiesta
HMIG610.M11x1.5.N	11.0	1.50	100	22	38	8.0		A richiesta
HMIG610.M12x1.75.N	12.0	1.75	110	22	-	9.0		A richiesta
HMIG610.M14x2.0.N	14.0	2.00	110	22	-	11.0		A richiesta
HMIG610.M16x2.0.N	16.0	2.00	110	22	-	12.0		A richiesta
HMIG610.M18x2.5.N	18.0	2.50	125	22	-	14.0		A richiesta
HMIG610.M20x2.5.N	20.0	2.50	140	25	-	16.0		A richiesta

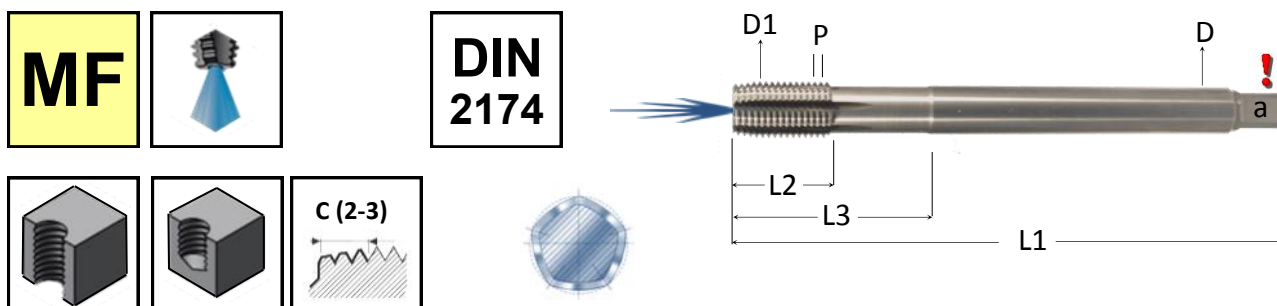



08

MF

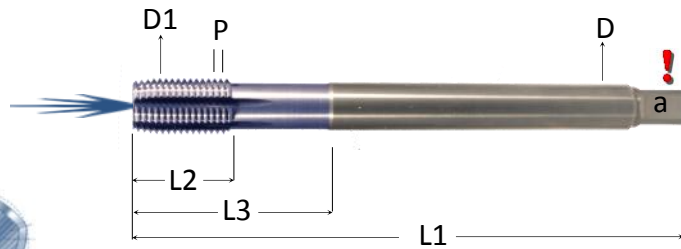
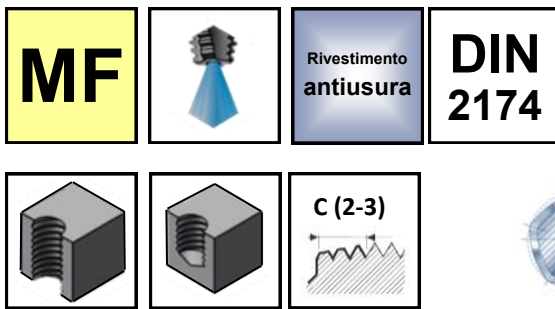
Passo metrico fine





Materiali lavorabili

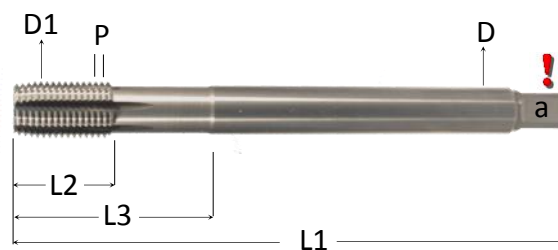
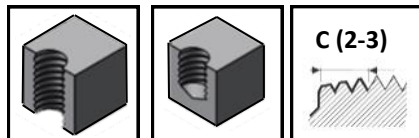
CODICE	D1	P. mm	L	L2	L3	D	 Preforo	€
HMIG620.M6x0.75.NF	6.0	0.75	80	16	29	6.0		A richiesta
HMIG620.M7x0.75.NF	7.0	0.75	80	19	29	8.0		A richiesta
HMIG620.M8x0.75.NF	8.0	0.75	90	19	33	8.0		A richiesta
HMIG620.M8x1.NF	8.0	1.00	90	19	33	8.0		A richiesta
HMIG620.M9x0.75.NF	9.0	0.75	90	19	33	10.0		A richiesta
HMIG620.M9x1.NF	9.0	1.00	90	19	33	10.0		A richiesta
HMIG620.M10x0.75.NF	10.0	0.75	100	20	36	10.0		A richiesta
HMIG620.M10x1.NF	10.0	1.00	100	20	36	10.0		A richiesta
HMIG620.M10x1.25.NF	10.0	1.25	100	20	36	10.0		A richiesta
HMIG620.M11x0.75.NF	11.0	0.75	100	22	38	8.0		A richiesta
HMIG620.M11x1.NF	11.0	1.00	100	22	38	8.0		A richiesta
HMIG620.M12x0.75.NF	12.0	0.75	110	22	-	9.0		A richiesta
HMIG620.M12x1.NF	12.0	1.00	110	22	-	9.0		A richiesta
HMIG620.M12x1.25.NF	12.0	1.25	110	22	-	9.0		A richiesta
HMIG620.M12x1.5.NF	12.0	1.50	110	22	-	9.0		A richiesta
HMIG620.M14x1.NF	14.0	1.00	110	22	-	11.0		A richiesta
HMIG620.M14x1.25.NF	14.0	1.25	110	22	-	11.0		A richiesta
HMIG620.M14x1.5.NF	14.0	1.50	110	22	-	11.0		A richiesta
HMIG620.M15x1.NF	15.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M15x1.5.NF	15.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M16x1.NF	16.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M16x1.25.NF	16.0	1.25	110	22	-	12.0		A richiesta
HMIG620.M16x1.5.NF	16.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M17x1.NF	17.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M17x1.5.NF	17.0	1.50	110	22	-	14.0		A richiesta
HMIG620.M18x1.NF	18.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M18x1.5.NF	18.0	1.50	125	22	-	14.0		A richiesta
HMIG620.M18x2.NF	18.0	2.00	125	22	-	14.0		A richiesta
HMIG620.M20x1.NF	20.0	1.00	140	25	-	16.0		A richiesta
HMIG620.M20x1.5.NF	20.0	1.50	140	25	-	16.0		A richiesta
HMIG620.M20x2.NF	20.0	2.00	140	25	-	16.0		A richiesta





Materiali lavorabili

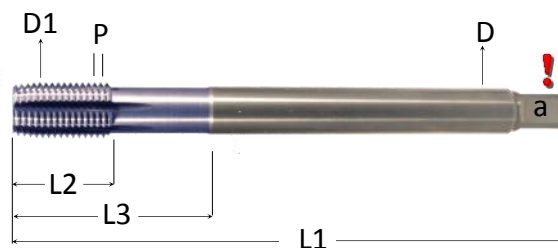
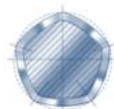
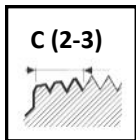
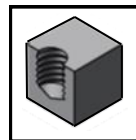
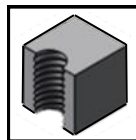
CODICE	D1	P. mm	L	L2	L3	D	 Preforo	€
HMIG620.M6x0.75.F	6.0	0.75	80	16	29	6.0		A richiesta
HMIG620.M7x0.75.F	7.0	0.75	80	19	29	8.0		A richiesta
HMIG620.M8x0.75.F	8.0	0.75	90	19	33	8.0		A richiesta
HMIG620.M8x1.F	8.0	1.00	90	19	33	8.0		A richiesta
HMIG620.M9x0.75.F	9.0	0.75	90	19	33	10.0		A richiesta
HMIG620.M9x1.F	9.0	1.00	90	19	33	10.0		A richiesta
HMIG620.M10x0.75.F	10.0	0.75	100	20	36	10.0		A richiesta
HMIG620.M10x1.F	10.0	1.00	100	20	36	10.0		A richiesta
HMIG620.M10x1.25.F	10.0	1.25	100	20	36	10.0		A richiesta
HMIG620.M11x0.75.F	11.0	0.75	100	22	38	8.0		A richiesta
HMIG620.M11x1.F	11.0	1.00	100	22	38	8.0		A richiesta
HMIG620.M12x0.75.F	12.0	0.75	110	22	-	9.0		A richiesta
HMIG620.M12x1.F	12.0	1.00	110	22	-	9.0		A richiesta
HMIG620.M12x1.25.F	12.0	1.25	110	22	-	9.0		A richiesta
HMIG620.M12x1.5.F	12.0	1.50	110	22	-	9.0		A richiesta
HMIG620.M14x1.F	14.0	1.00	110	22	-	11.0		A richiesta
HMIG620.M14x1.25.F	14.0	1.25	110	22	-	11.0		A richiesta
HMIG620.M14x1.5.F	14.0	1.50	110	22	-	11.0		A richiesta
HMIG620.M15x1.F	15.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M15x1.5.F	15.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M16x1.F	16.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M16x1.25.F	16.0	1.25	110	22	-	12.0		A richiesta
HMIG620.M16x1.5.F	16.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M17x1.F	17.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M17x1.5.F	17.0	1.50	110	22	-	14.0		A richiesta
HMIG620.M18x1.F	18.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M18x1.5.F	18.0	1.50	125	22	-	14.0		A richiesta
HMIG620.M18x2.F	18.0	2.00	125	22	-	14.0		A richiesta
HMIG620.M20x1.F	20.0	1.00	140	25	-	16.0		A richiesta
HMIG620.M20x1.5.F	20.0	1.50	140	25	-	16.0		A richiesta
HMIG620.M20x2.F	20.0	2.00	140	25	-	16.0		A richiesta




MF
**DIN
 2174**

Materiali lavorabili

CODICE	D1	P. mm	L	L2	L3	D		€
HMIG620.M6x0.75.N	6.0	0.75	80	16	29	6.0		A richiesta
HMIG620.M7x0.75.N	7.0	0.75	80	19	29	8.0		A richiesta
HMIG620.M8x0.75.N	8.0	0.75	90	19	33	8.0		A richiesta
HMIG620.M8x1.N	8.0	1.00	90	19	33	8.0		A richiesta
HMIG620.M9x0.75.N	9.0	0.75	90	19	33	10.0		A richiesta
HMIG620.M9x1.N	9.0	1.00	90	19	33	10.0		A richiesta
HMIG620.M10x0.75.N	10.0	0.75	100	20	36	10.0		A richiesta
HMIG620.M10x1.N	10.0	1.00	100	20	36	10.0		A richiesta
HMIG620.M10x1.25.N	10.0	1.25	100	20	36	10.0		A richiesta
HMIG620.M11x0.75.N	11.0	0.75	100	22	38	8.0		A richiesta
HMIG620.M11x1.N	11.0	1.00	100	22	38	8.0		A richiesta
HMIG620.M12x0.75.N	12.0	0.75	110	22	-	9.0		A richiesta
HMIG620.M12x1.N	12.0	1.00	110	22	-	9.0		A richiesta
HMIG620.M12x1.25.N	12.0	1.25	110	22	-	9.0		A richiesta
HMIG620.M12x1.5.N	12.0	1.50	110	22	-	9.0		A richiesta
HMIG620.M14x1.N	14.0	1.00	110	22	-	11.0		A richiesta
HMIG620.M14x1.25.N	14.0	1.25	110	22	-	11.0		A richiesta
HMIG620.M14x1.5.N	14.0	1.50	110	22	-	11.0		A richiesta
HMIG620.M15x1.N	15.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M15x1.5.N	15.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M16x1.N	16.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M16x1.25.N	16.0	1.25	110	22	-	12.0		A richiesta
HMIG620.M16x1.5.N	16.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M17x1.N	17.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M17x1.5.N	17.0	1.50	110	22	-	14.0		A richiesta
HMIG620.M18x1.N	18.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M18x1.5.N	18.0	1.50	125	22	-	14.0		A richiesta
HMIG620.M18x2.N	18.0	2.00	125	22	-	14.0		A richiesta
HMIG620.M20x1.N	20.0	1.00	140	25	-	16.0		A richiesta
HMIG620.M20x1.5.N	20.0	1.50	140	25	-	16.0		A richiesta
HMIG620.M20x2.N	20.0	2.00	140	25	-	16.0		A richiesta





Materiali lavorabili

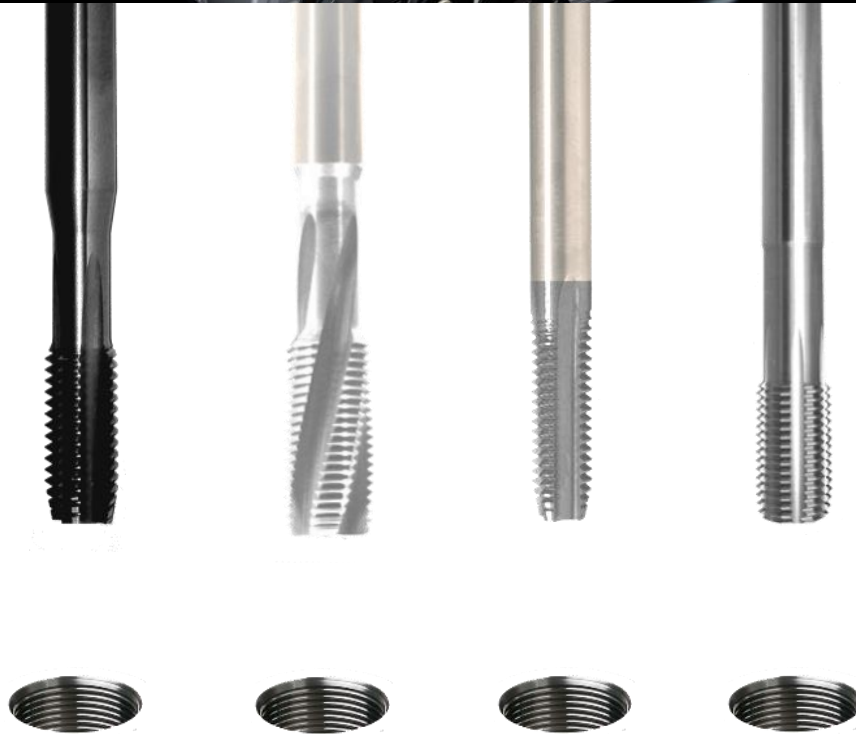
CODICE	D1	P. mm	L	L2	L3	D		€
HMIG620.M6x0.75.T	6.0	0.75	80	16	29	6.0		A richiesta
HMIG620.M7x0.75.T	7.0	0.75	80	19	29	8.0		A richiesta
HMIG620.M8x0.75.T	8.0	0.75	90	19	33	8.0		A richiesta
HMIG620.M8x1.T	8.0	1.00	90	19	33	8.0		A richiesta
HMIG620.M9x0.75.T	9.0	0.75	90	19	33	10.0		A richiesta
HMIG620.M9x1.T	9.0	1.00	90	19	33	10.0		A richiesta
HMIG620.M10x0.75.T	10.0	0.75	100	20	36	10.0		A richiesta
HMIG620.M10x1.T	10.0	1.00	100	20	36	10.0		A richiesta
HMIG620.M10x1.25.T	10.0	1.25	100	20	36	10.0		A richiesta
HMIG620.M11x0.75.T	11.0	0.75	100	22	38	8.0		A richiesta
HMIG620.M11x1.T	11.0	1.00	100	22	38	8.0		A richiesta
HMIG620.M12x0.75.T	12.0	0.75	110	22	-	9.0		A richiesta
HMIG620.M12x1.T	12.0	1.00	110	22	-	9.0		A richiesta
HMIG620.M12x1.25.T	12.0	1.25	110	22	-	9.0		A richiesta
HMIG620.M12x1.5.T	12.0	1.50	110	22	-	9.0		A richiesta
HMIG620.M14x1.T	14.0	1.00	110	22	-	11.0		A richiesta
HMIG620.M14x1.25.T	14.0	1.25	110	22	-	11.0		A richiesta
HMIG620.M14x1.5.T	14.0	1.50	110	22	-	11.0		A richiesta
HMIG620.M15x1.T	15.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M15x1.5.T	15.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M16x1.T	16.0	1.00	110	22	-	12.0		A richiesta
HMIG620.M16x1.25.T	16.0	1.25	110	22	-	12.0		A richiesta
HMIG620.M16x1.5.T	16.0	1.50	110	22	-	12.0		A richiesta
HMIG620.M17x1.T	17.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M17x1.5.T	17.0	1.50	110	22	-	14.0		A richiesta
HMIG620.M18x1.T	18.0	1.00	110	22	-	14.0		A richiesta
HMIG620.M18x1.5.T	18.0	1.50	125	22	-	14.0		A richiesta
HMIG620.M18x2.T	18.0	2.00	125	22	-	14.0		A richiesta
HMIG620.M20x1.T	20.0	1.00	140	25	-	16.0		A richiesta
HMIG620.M20x1.5.T	20.0	1.50	140	25	-	16.0		A richiesta
HMIG620.M20x2.T	20.0	2.00	140	25	-	16.0		A richiesta

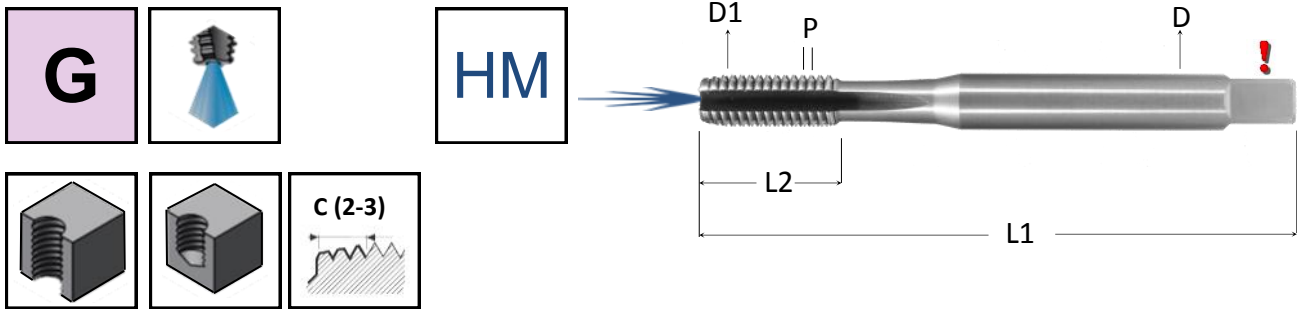


09

G

Gas Whitworth



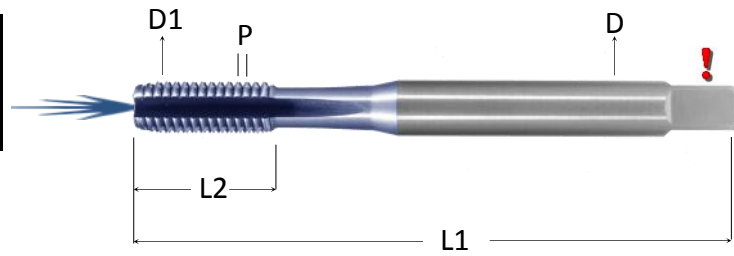
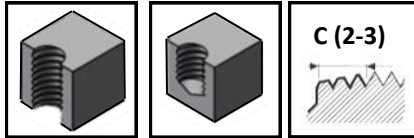

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	1"	L	L2	D	Z	Preforo	€
HMIG710.G1/8.NF	9.73	28	90	20	7.0	4	9.25	€ 249,42
HMIG710.G1/4.NF	13.16	19	100	22	11.0	5	12.50	€ 319,92
HMIG710.G3/8.NF	16.16	19	100	22	12.0	5	15.00	€ 367,15



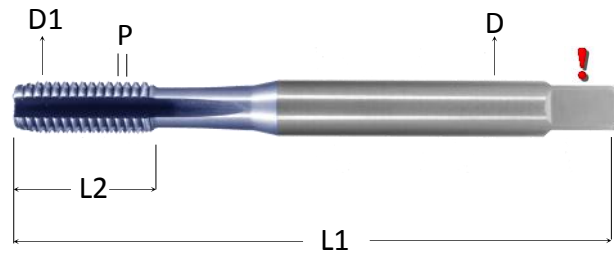

Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	1"	L	L2	D	Z	Preforo	€
HMIG710.G1/8.F	9.73	28	90	20	7.0	4	9.25	€ 284,34
HMIG710.G1/4.F	13.16	19	100	22	11.0	5	12.50	€ 364,71
HMIG710.G3/8.F	16.16	19	100	22	12.0	5	15.00	€ 418,55




Materiali lavorabili

C3.1 - C3.2 - C3.5

D4.4 - D4.5 - D4.6

CODICE	D1	1"	L	L2	D	Z	Preforo	€
HMIG710.G1/8.T	9.73	28	90	20	7.0	4	9.25	€ 249,42
HMIG710.G1/4.T	13.16	19	100	22	11.0	5	12.50	€ 319,92
HMIG710.G3/8.T	16.16	19	100	22	12.0	5	15.00	€ 367,15



11

SEZIONE TECNICA



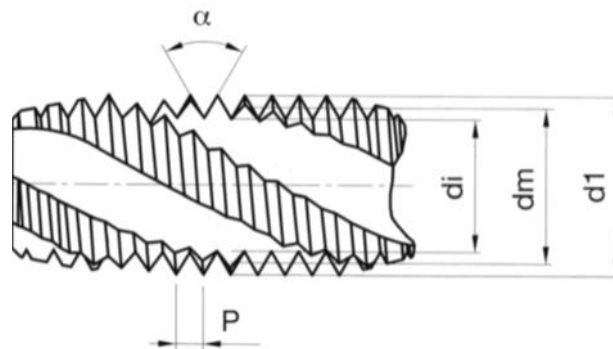
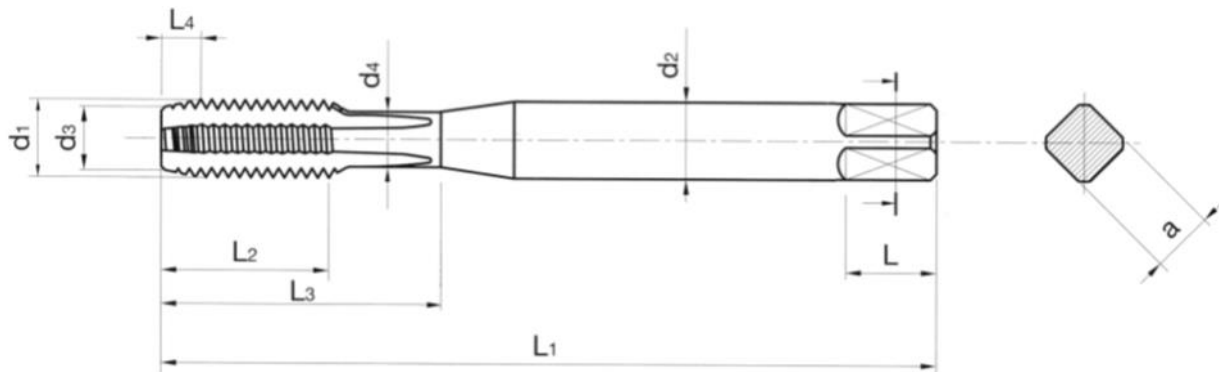
Acciai		Steel		
A1.1	Acciaio dolce magnetico	Magnetic soft steel	HB < 120	Rm N/mm ² < 400
A1.2	Acciaio da costruzione, da cementazione, automatico	Structural steel, case carburizing steel, free cutting steel	< 200	< 700
A1.3	Acciaio al carbonio	Plain carbon steel	< 250	< 850
A1.4	Acciaio legato- Bonificato, fusioni d'acciaio	Alloyed steel - Tempered steel, steel casting	< 250	< 850
A1.5	Acciaio legato - Bonificato	Alloyed steel - Tempered steel	250 ÷ 350	850 ÷ 1200
A1.6	Acciaio legato - Alta resistenza	Alloyed steel - High strength steel	38 ÷ 45 HRC	1200 ÷ 1400
A1.7	Acciaio legato - Alta resistenza	Alloyed steel - High strength steel	45 ÷ 49 HRC	1400 ÷ 1600
A1.8	Acciaio legato - Temprato	Hardened steel	49 ÷ 62 HRC	
Acciaio INOX		Stainless Steel		
B2.1	Acciaio inox automatico	Free machining stainless steel	< 250	< 850
B2.2	Austenitico	Austenitic	< 250	< 850
B2.3	Ferritico, Ferritico + Austenitico, Martensitico	Ferritic, Ferritic + Austenitic, Martensitic	< 320	< 1100
B2.4	Leghe Cr-Ni resistenti alle alte temperature	Cr-Ni alloys high temperatures resistant	330 ÷ 410	1100 ÷ 1400
Ghisa		Cast iron		
C3.1	Ghisa grigia lamellare	Lamellar grey cast iron	< 180	< 600
C3.2	Ghisa grigia lamellare	Lamellar grey cast iron	180 ÷ 300	600 ÷ 1000
C3.3	Ghisa sferoidale	Nodular cast iron	< 300	< 1000
C3.4	Ghisa malleabile	Malleable cast iron	< 210	< 700
C3.5	Ghisa vermicolare a grafite compatta	Compacted cast iron with vermicular graphite	200 ÷ 300	700 ÷ 1000
Alluminio, Magnesio		Aluminium, Magnesium		
D4.1	Alluminio / Magnesio non legato	Aluminium / Magnesium unalloyed	< 100	< 350
D4.2	Leghe di Al Si < 0,5% - Truciolo lungo	Al alloys, Si < 0,5% - long chipping	< 150	< 500
D4.3	Leghe di Al Si < 10% - Truciolo medio	Al alloys, Si < 10% - Medium chipping	< 150	< 500
D4.4	Leghe Al Si > 10% - Truciolo corto	Al alloys, Si > 10% - Short chipping	< 180	< 600
D4.5	Leghe standard di magnesio	Magnesium standard alloys		120 ÷ 300
D4.6	Leghe di magnesio ad alta resistenza	High strength bronze	70 ÷ 120	240 ÷ 400
Rame		Cooper		
E5.1	Rame puro, Rame elettrolitico - Truciolo lungo	Cooper unalloyed - Long chipping	< 100	< 350
E5.2	Leghe di rame, α-ottone - Truciolo lungo	Cooper alloys, soft brass - Long chipping	< 200	< 700
E5.3	Leghe di rame, β-ottone, Bronzo - Truciolo corto	Cooper alloys, hard brass, bronze - Short chipping	< 200	< 700
E5.4	Bronzo ad alta resistenza	High strength bronze	< 440	< 1500
Titanio		Titanium		
F6.1	Titanio non legato	Titanium unalloyed	< 200	< 700
F6.2	Leghe di titanio	Titanium alloys	< 270	< 900
F6.3	Leghe di titanio	Titanium alloys	< 410	< 1400
Nichel		Nickel		
G7.1	Nichel non legato	Nickel unalloyed	< 150	< 500
G7.2	Leghe di Nichel	Nickel alloys	< 270	< 900
G7.3	Leghe di Nichel	Nickel alloys	< 470	< 1600
Materie plastiche		Synthetic Material		
H8.1	Materiali plastici - Truciolo extralungo	Thermoplastic - Extra long chipping		< 80
H8.2	Materiali termoindurenti - Truciolo corto	Thermosetting plastic - Short chipping		< 110
H8.3	Materie plastiche con fibre di rinforzo	Reinforced plastic materials	240 ÷ 440	800 ÷ 1500
Materiali speciali		Special materials		
I9.1	Materiali metallo - Ceramici (Cermets)	TIC - Hard materials	< 51 HRC	< 1700
I9.2	Leghe a base cobalto	Alloys on cobalt base	< 350	< 1200
I9.3	Leghe di tungsteno	Tungsten alloys	< 52 HRC	< 1800
Grafite		Graphite		
L10.1	Grafite	Graphite		< 100

ATTENZIONE: I valori di velocità di taglio (Vc in m/min) qui elencati sono puramente indicativi e devono essere adattati alle condizioni d'impiego (materiale, lubrificanti, macchina)

Legenda						
☺ Consigliato	HMIG110NF	HMIG110F	HMIG110N	HMIG110T		
☹ Accettabile	HMIG120NF	HMIG120F	HMIG120N	HMIG120T		
	HMIG210NF	HMIG210F	HMIG210N	HMIG210T	HMIG510TX	
	HMIG220NF	HMIG220F	HMIG220N	HMIG220T		

Acciai							Steel	
A1.1								
A1.2								
A1.3								
A1.4								
A1.5								
A1.6								
A1.7						☹ 4-6		
A1.8						☺ 1-4		
Acciaio INOX							Stainless Steel	
B2.1								
B2.2								
B2.3								
B2.4								
Ghisa							Cast iron	
C3.1	☺ 30-40	☺ 40-60	☺ 22-30	☺ 30-45				
C3.2	☺ 25-30	☺ 30-40	☺ 18-22	☺ 22-30				
C3.3	☹ 25-30	☹ 30-40	☹ 18-22	☹ 22-30				
C3.4	☹ 30-40	☹ 40-60	☹ 22-30	☹ 30-45				
C3.5	☺ 25-30	☺ 30-40	☺ 18-22	☺ 22-30				
Alluminio, Magnesio							Aluminium, Magnesium	
D4.1								
D4.2								
D4.3	☹ 40-50	☹ 60-70	☹ 30-37	☹ 45-52				
D4.4	☺ 30-40	☺ 40-60	☺ 22-30	☺ 30-45				
D4.5	☺ 40-60	☺ 60-80	☺ 30-45	☺ 45-60				
D4.6	☺ 40-60	☺ 60-80	☺ 30-45	☺ 45-60				
Rame							Cooper	
E5.1								
E5.2								
E5.3	☹ 40-50	☹ 60-70	☹ 30-37	☹ 45-52				
E5.4	☹ 8-10	☹ 12-15	☹ 6-8	☹ 9-11	☺ 5-10			
Titanio							Titanium	
F6.1								
F6.2								
F6.3								
Nichel							Nickel	
G7.1								
G7.2								
G7.3								
Materie plastiche							Synthetic Material	
H8.1								
H8.2	☹ 20-25	☹ 30-35	☹ 15-18	☹ 22-26				
H8.3	☹ 10-15	☹ 15-20	☹ 8-11	☹ 11-15				
Materiali speciali							Special materials	
I9.1						☺ 5-10		
I9.2								
I9.3						☺ 4-8		
Grafite							Graphite	
L10.1	☺ 20-25	☺ 30-35	☺ 15-18	☺ 22-26				

ATTENZIONE: I valori di velocità di taglio (Vc in m/min) qui elencati sono puramente indicativi e devono essere adattati alle condizioni d'impiego (materiale, lubrificanti, macchina)

Terminologia dei maschi in metallo duro integrale

Legenda
Legend

L1 = Lunghezza totale

L2 = Lunghezza del filetto

L3 = Lunghezza utile di lavoro

L4 = Lunghezza imbocco (Vedi Tabella Sotto)

P = Passo

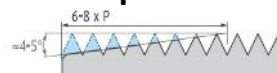
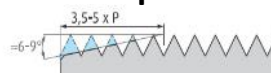
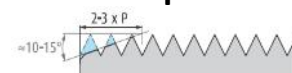
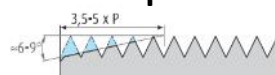
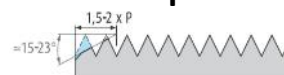
D1 = Diametro nominale

D2 = Diametro del gambo


α = Angolo profilo

dm = Diametro medio

di = Diametro interno


Tipo di imbocco
Tipo A

Tipo B

Tipo C

Tipo D

Tipo E


Prefori di maschiatura a esportazione

ISO M	P mm		Ø di foratura MIN	Ø di foratura MAX
M1	0,25	0,75	0,725	0,785
M1,1	0,25	0,85	0,829	0,885
M1,2	0,25	0,95	0,929	0,985
M1,4	0,30	1,10	1,075	1,142
M1,6	0,35	1,25	1,221	1,321
M1,7	0,35	1,35	1,321	1,421
M1,8	0,35	1,45	1,421	1,521
M2	0,40	1,60	1,567	1,679
M2,2	0,45	1,75	1,713	1,838
M2,3	0,40	1,90	1,813	1,938
M2,5	0,45	2,05	2,013	2,138
M2,6	0,45	2,10	2,113	2,238
M3	0,50	2,50	2,459	2,599
M3,5	0,60	2,90	2,850	3,010
M4	0,70	3,30	3,242	3,422
M4,5	0,75	3,70	3,688	3,878
M5	0,80	4,20	4,134	4,334
M6	1,00	5,00	4,917	4,153
M7	1,00	6,00	5,917	6,153
M8	1,25	6,80	6,647	6,912
M9	1,25	7,80	7,647	7,912
M10	1,50	8,50	8,376	8,676
M11	1,50	9,50	9,376	9,676
M12	1,72	10,30	10,106	10,441
M14	2,00	12,00	11,835	12,210
M16	2,00	14,00	13,835	14,210
M18	2,50	15,50	15,294	15,744
M20	2,50	17,50	17,294	17,744


GAS	P TPI		Ø di foratura MIN	Ø di foratura MAX
1/8	28	8,80	8,566	8,848
1/4	19	11,80	11,445	11,890
3/8	19	15,25	14,950	15,395

Prefori di maschiatura a esportazione

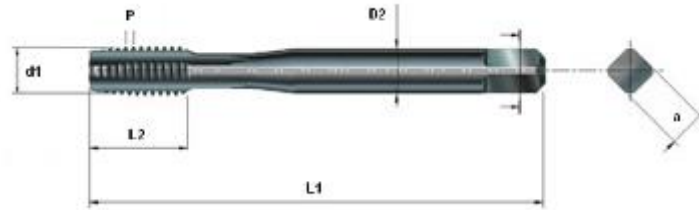
ISO MF	P mm		Ø di foratura MIN	Ø di foratura MAX
MF4	0,50	3,50	3,459	3,599
MF4,5	0,50	4,00	3,959	4,099
MF5	0,50	4,50	4,459	4,599
MF6	0,50	5,50	5,459	5,599
MF6	0,75	5,25	5,188	5,378
MF7	0,75	6,25	6,188	6,378
MF8	0,50	7,50	7,459	7,599
MF8	0,75	7,25	7,188	7,378
MF8	1,00	7,00	6,917	7,153
MF9	0,75	8,25	8,188	8,378
MF9	1,00	8,00	7,917	8,153
MF10	0,50	9,50	9,459	9,599
MF10	0,75	9,25	9,188	9,378
MF10	1,00	9,00	8,917	9,153
MF10	1,25	8,75	8,647	8,912
MF11	1,00	10,00	9,917	10,153
MF12	0,50	11,50	11,459	11,599
MF12	0,75	11,25	11,188	11,378
MF12	1,00	11,00	10,917	11,153
MF12	1,25	10,75	10,647	10,912
MF12	1,50	10,50	10,376	10,676
MF13	1,00	12,00	11,917	12,153
MF14	1,00	13,00	12,917	13,153
MF14	1,25	12,75	12,647	12,912
MF14	1,50	12,50	12,376	12,676
MF15	1,00	14,00	13,917	14,153
MF15	1,50	13,50	13,376	13,676
MF16	1,00	15,00	14,917	15,153
MF16	1,25	14,80	14,647	14,912
MF16	1,50	14,50	14,376	14,676
MF17	1,00	16,00	15,917	16,153
MF17	1,50	15,50	15,376	15,676
MF18	1,00	17,00	16,917	17,153
MF18	1,50	16,50	16,376	16,676
MF18	2,00	16,00	15,835	16,210
MF20	1,00	19,00	18,917	19,153
MF20	1,50	18,50	18,376	18,676
MF20	2,00	18,00	17,835	18,210

Prefori di maschiatura a rullare

ISO M	P mm		Tolleranza
M2	0,40	1,82	± 0,02
M2,2	0,45	2,00	± 0,02
M2,3	0,40	2,10	± 0,02
M2,5	0,45	2,30	± 0,02
M2,6	0,45	2,40	± 0,02
M3	0,50	2,80	± 0,02
M3,5	0,60	3,25	± 0,02
M4	0,70	3,70	± 0,02
M5	0,80	4,65	± 0,02
M6	1,00	5,55	± 0,02
M8	1,25	7,40	± 0,02
M10	1,50	9,30	± 0,02
M12	1,75	11,20	± 0,02
M14	2,00	13,10	± 0,02
M16	2,00	15,10	± 0,02
M18	2,50	16,90	± 0,02
M20	2,50	18,90	± 0,02

ISO MF	P mm		Tolleranza
MF4	0,50	3,80	± 0,03
MF5	0,50	4,80	± 0,03
MF6	0,50	5,80	± 0,03
MF6	0,75	5,65	± 0,03
MF8	1,00	7,55	± 0,05
MF10	1,00	9,55	± 0,05
MF10	1,25	9,40	± 0,05
MF12	1,00	11,55	± 0,05
MF12	1,25	11,40	± 0,05
MF12	1,50	11,30	± 0,05
MF14	1,00	13,55	± 0,05
MF14	1,25	13,40	± 0,05
MF14	1,50	13,30	± 0,05
MF16	1,00	15,55	± 0,05
MF16	1,25	15,40	± 0,05
MF16	1,50	15,30	± 0,05
MF18	1,00	17,55	± 0,05
MF18	1,25	17,40	± 0,05
MF18	1,50	17,30	± 0,05
MF20	1,00	19,55	± 0,05
MF20	1,25	19,40	± 0,05
MF20	1,50	19,30	± 0,05
MF20	2,00	19,10	± 0,05

Riempire i campi sottostanti e inviarlo tramite FAX


 Ditta :

 Data :

 Referente :

 Disegno :

 Q.tà :

 d1 :

 D2 :

 L2 :

 L1 :

 P :

 a :

 Rivestimento :

 Neutro :

 Rotazione DX :

 Rotazione SX :

 Foro passante :

 Foro cieco :

 Refrigerazione :

Caratteristiche macchina e tipologia di staffaggio

 Tipo di macchina :

 Mandrino :

 Tipo di staffaggio :

Condizioni di lavoro

 Lavorazione :

 Refrigerante utilizzato :

 Tipo di taglio :

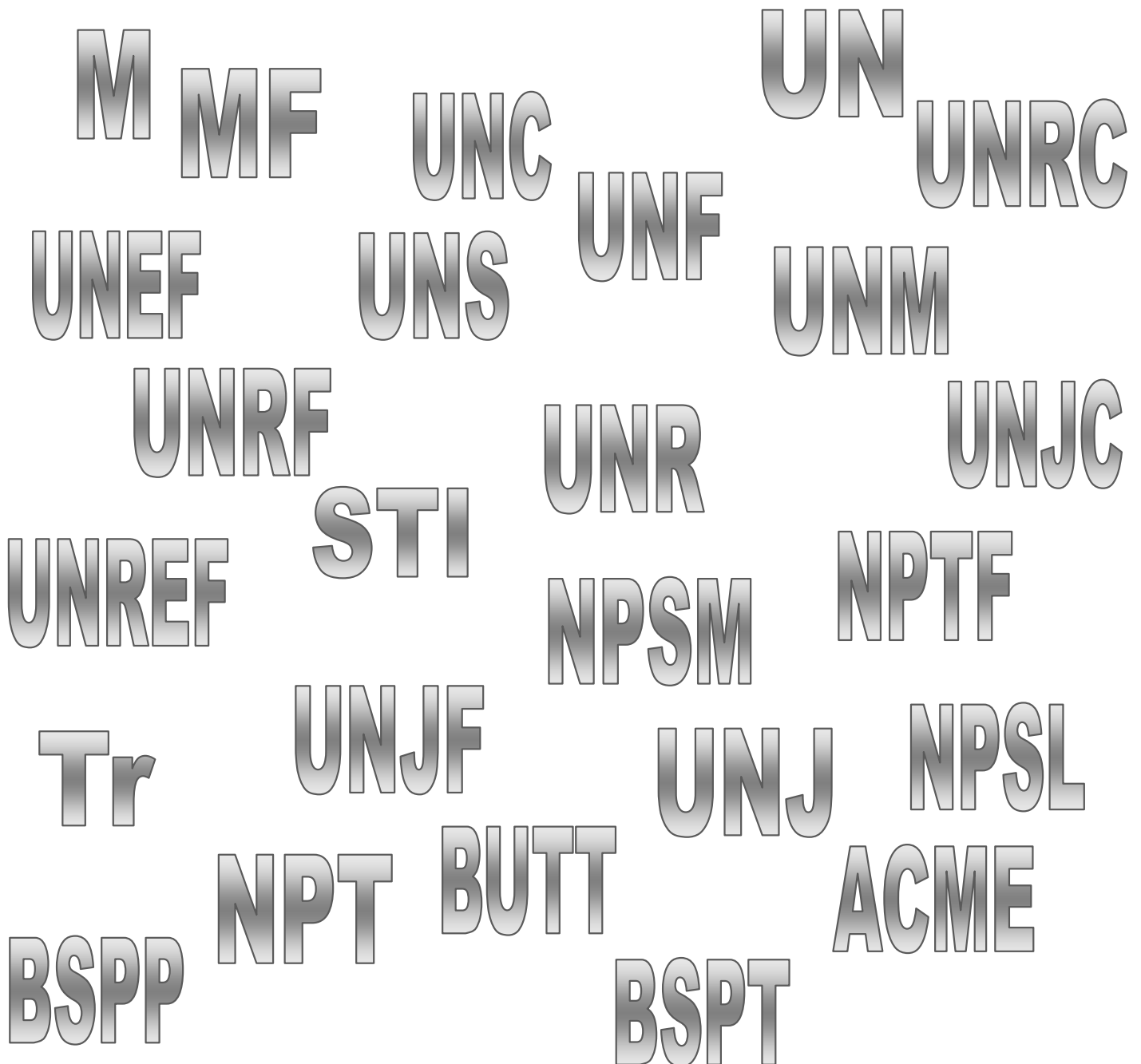
Caratteristiche del materiale da lavorare

 Materiale :

 Selezionare il tipo di richiesta : Offerta :

 Ordine diretto :
Timbro e firma

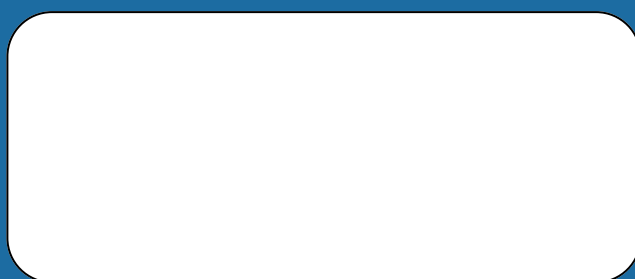
 I dati forniti saranno trattati secondo le attuali
 norme vigenti del garante della privacy



La I.G. Utensili essendo produttore di maschi in metallo duro, e avendo capacità tecnica basata su:

- Personale specializzato
- Ufficio tecnico per la progettazione
- Macchinari all'avanguardia

**PUO' FAR FRONTE A RICHIESTE DI FILETTATURE E
UTENSILI SPECIALI SU DISEGNO**



I.G. Utensili

Via Amos Verzelloni 12/B

42015 Correggio (RE)

Tel .+39 0522 693523 Fax +39 0522 641727

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