

>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Universal-Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde. Besonders geeignet für Baustähle, Einsatzstähle, Vergütungsstähle, rost- und säurebeständige Stähle sowie Aluminium-Kupferlegierungen.

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13

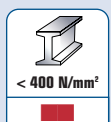
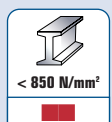



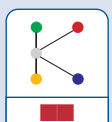
Range of application:

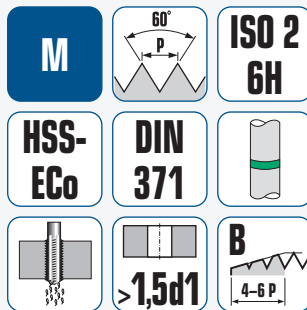
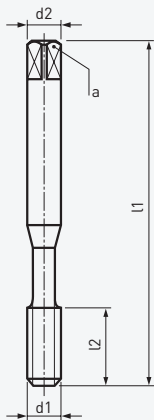
Universal machine taps with spiral point for through hole threads. Especially suitable for structural steels, case hardening steels, heat treatable steels, stainless and acid-resistant steels as well as aluminium-copper alloys.

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco corretto, impiego generale per fori passanti. Particolarmente adatti per acciai da costruzione, acciai da cementazione, acciai bonificati, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4802 Art.-Nr.	€
M 3	0,5	56	10	3,5	2,7	Ø 2,5 mm	0 4802003001 00	13,98
M 4	0,7	63	12	4,5	3,4	Ø 3,3 mm	0 4802004001 00	13,98
M 5	0,8	70	14	6	4,9	Ø 4,2 mm	0 4802005001 00	14,39
M 6	1	80	16	6	4,9	Ø 5,0 mm	0 4802006001 00	14,39
M 8	1,25	90	18	8	6,2	Ø 6,8 mm	0 4802008001 00	18,74
M 10	1,5	100	20	10	8	Ø 8,5 mm	0 4802010001 00	22,48



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Universal-Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde. Besonders geeignet für Baustähle, Einsatzstähle, Vergütungsstähle, rost- und säurebeständige Stähle sowie Aluminium-Kupferlegierungen.

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

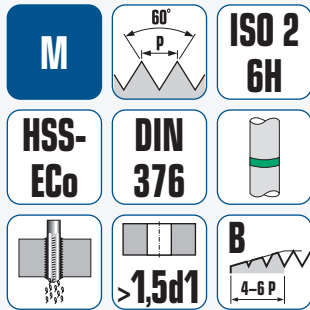
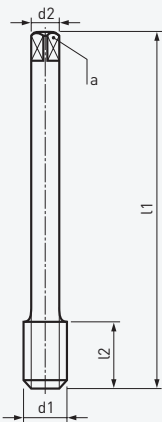
Universal machine taps with spiral point for through hole threads. Especially suitable for structural steels, case hardening steels, heat treatable steels, stainless and acid-resistant steels as well as aluminium-copper alloys.

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco corretto, impiego generale per fori passanti. Particolarmente adatti per acciai da costruzione, acciai da cementazione, acciai bonificati, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4803 Art.-Nr.	€
M 12	1,75	110	22	9	7	Ø 10,2 mm	0 4803012001 00	31,02
M 16	2	110	28	12	9	Ø 14,0 mm	0 4803016001 00	53,02
M 20	2	140	32	16	12	Ø 17,5 mm	0 4803020001 00	91,78



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Universal-Maschinengewindebohrer für Grundgewinde. Besonders geeignet für Baustähle, Einsatzstähle, Vergütungsstähle, rost- und säurebeständige Stähle sowie Aluminium-Kupferlegierungen.

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13

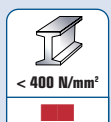
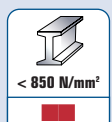



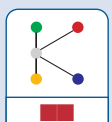
Range of application:

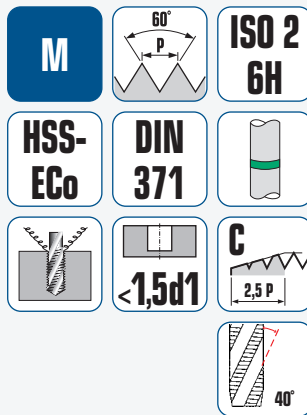
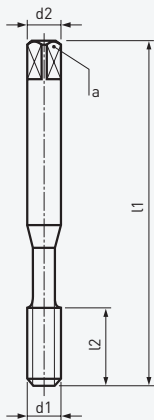
Universal machine taps for blind hole threads. Especially suitable for structural steels, case hardening steels, heat treatable steels, stainless and acid-resistant steels as well as aluminium-copper alloys.

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina impiego generale per fori ciechi. Particolarmente adatti per acciai da costruzione, acciai da cementazione, acciai bonificati, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4804 Art.-Nr.	€
M 3	0,5	56	10	3,5	2,7	Ø 2,5 mm	0 4804003001 00	14,30
M 4	0,7	63	12	4,5	3,4	Ø 3,3 mm	0 4804004001 00	14,30
M 5	0,8	70	14	6	4,9	Ø 4,2 mm	0 4804005001 00	14,74
M 6	1	80	16	6	4,9	Ø 5,0 mm	0 4804006001 00	14,74
M 8	1,25	90	18	8	6,2	Ø 6,8 mm	0 4804008001 00	19,18
M 10	1,5	100	20	10	8	Ø 8,5 mm	0 4804010001 00	23,00



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Universal-Maschinengewindebohrer für Grundgewinde. Besonders geeignet für Baustähle, Einsatzstähle, Vergütungsstähle, rost- und säurebeständige Stähle sowie Aluminium-Kupferlegierungen.

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

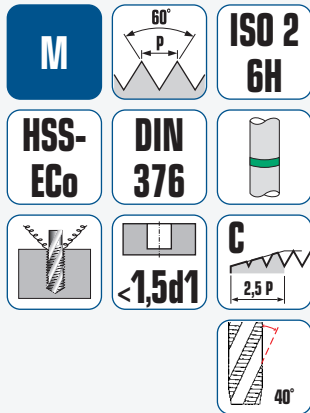
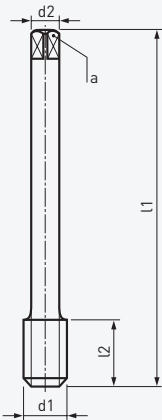
Universal machine taps for blind hole threads. Especially suitable for structural steels, case hardening steels, heat treatable steels, stainless and acid-resistant steels as well as aluminium-copper alloys.

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina impiego generale per fori ciechi. Particolarmente adatti per acciai da costruzione, acciai da cementazione, acciai bonificati, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4805 Art.-Nr.	€
M 12	1,75	110	22	9	7	Ø 10,2 mm	Ø 4805012001 00	35,12
M 16	2	110	28	12	9	Ø 14,0 mm	Ø 4805016001 00	60,82
M 20	2,5	140	32	16	12	Ø 17,5 mm	Ø 4805020001 00	99,73



VI/15

>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für legierte und unlegierte Stähle bis 1.100 N/mm² Zugfestigkeit.

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13


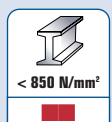



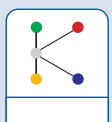
Range of application:

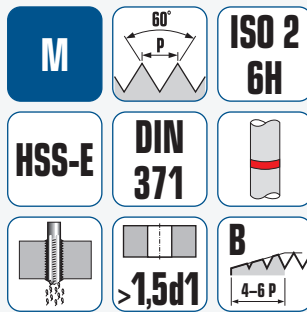
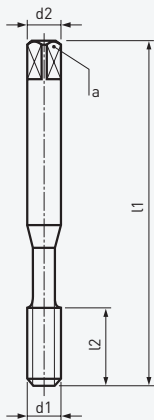
Machine taps with spiral point for through hole threads, especially suitable for alloyed and unalloyed steels up to 1.100 N/mm² tensile strength.

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per acciai legati e non legati con R fino a 1.100 N/mm².


 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN



TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4761 Art.-Nr.	€	Code 4762 Art.-Nr.	€
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4761003001 00	21,42	0 4762003001 00	23,85
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4761004001 00	21,73	0 4762004001 00	24,13
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4761005001 00	22,43	0 4762005001 00	25,06
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4761006001 00	22,64	0 4762006001 00	25,16
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4761008001 00	26,28	0 4762008001 00	29,33
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4761010001 00	30,66	0 4762010001 00	34,18



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für legierte und unlegierte Stähle bis 1.100 N/mm² Zugfestigkeit.

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

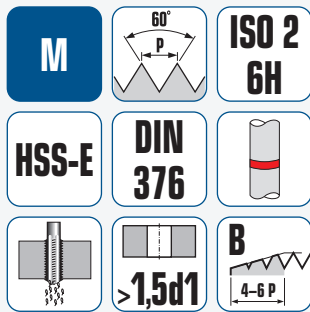
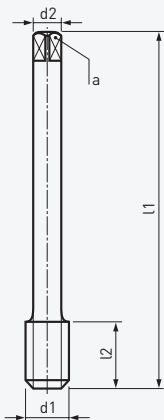
Machine taps with spiral point for through hole threads, especially suitable for alloyed and unalloyed steels up to 1.100 N/mm² tensile strength.

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per acciai legati e non legati con R fino a 1.100 N/mm².


 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN



TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4766 Art.-Nr.	€	Code 4767 Art.-Nr.	€
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4766012001 00	39,26	0 4767012001 00	43,63
M 14	2	110	30	11	9	Ø 12,0 mm	0 4766014001 00	50,94	0 4767014001 00	56,82
M 16	2	110	32	12	9	Ø 14,0 mm	0 4766016001 00	56,22	0 4767016001 00	62,69
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4766018001 00	87,46	0 4767018001 00	97,61
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4766020001 00	103,70	0 4767020001 00	105,70
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4766022001 00	119,90	0 4767022001 00	125,70
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4766024001 00	138,50	0 4767024001 00	143,60



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für legierte und unlegierte Stähle bis 1.100 N/mm² Zugfestigkeit.

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13

Range of application:

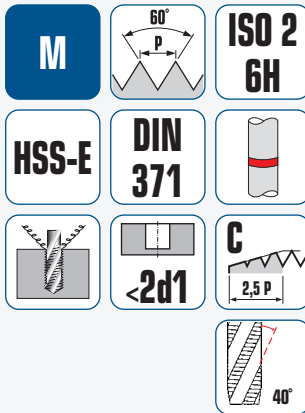
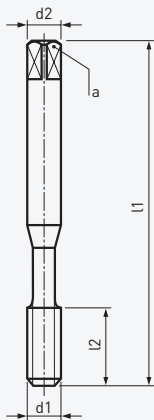
For blind hole threads, especially suitable for alloyed and unalloyed steels up to 1.100 N/mm² tensile strength.

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per acciai legati e non legati con R fino a 1.100 N/mm².

< 400 N/mm ²	< 850 N/mm ²	< 1.100 N/mm ²	< 1.300 N/mm ²	> 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN



TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4901 Art.-Nr.	€	Code 4902 Art.-Nr.	€
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4901003001 00	23,24	0 4902003001 00	25,97
M 4	0,7	63	7	4,5	3	Ø 3,3 mm	0 4901004001 00	23,24	0 4902004001 00	25,97
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4901005001 00	23,77	0 4902005001 00	26,48
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4901006051 00	24,88	0 4902006001 00	27,69
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4901008001 00	28,84	0 4902008001 00	32,17
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4901010001 00	33,79	0 4902010001 00	37,74



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für legierte und unlegierte Stähle bis 1.100 N/mm² Zugfestigkeit.

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

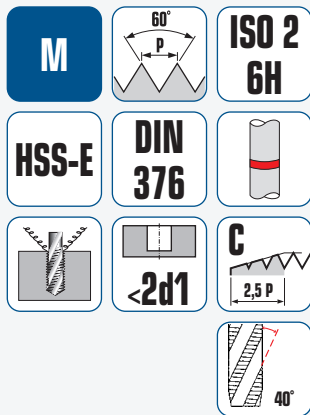
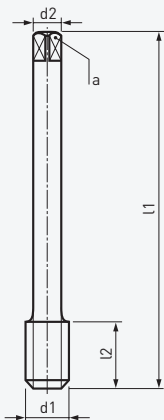
For blind hole threads, especially suitable for alloyed and unalloyed steels up to 1.100 N/mm² tensile strength.

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per acciai legati e non legati con R fino a 1.100 N/mm².


 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN



TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4906 Art.-Nr.	€	Code 4907 Art.-Nr.	€
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4906012001 00	44,32	0 4907012001 00	49,52
M 14	2	110	20	11	9	Ø 12,0 mm	0 4906014001 00	55,38	0 4907014001 00	61,79
M 16	2	110	20	12	9	Ø 14,0 mm	0 4906016001 00	60,87	0 4907016001 00	67,88
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4906018001 00	87,78	0 4907018001 00	97,91
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4906020001 00	107,30	0 4907020001 00	116,10
M 22	2,5	140	25	18	14,5	Ø 19,5 mm	0 4906022001 00	122,90	0 4907022001 00	135,60
M 24	3	160	30	18	14,5	Ø 21,0 mm	0 4906024001 00	140,50	0 4907024001 00	150,40
M 30	3,5	180	35	22	18	Ø 26,5 mm	0 4906030001 00	195,40	0 4907030001 00	218,00



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13


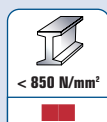
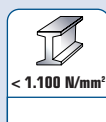


Range of application:

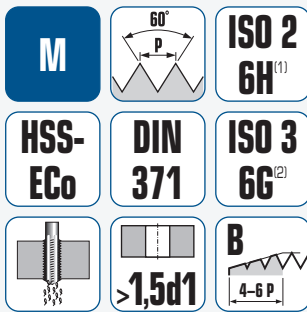
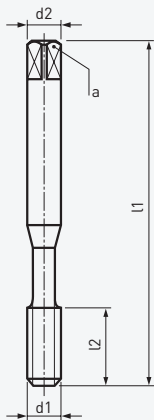
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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blank bright lucida		blank bright lucida	
Code 4711 Art.-Nr.	€	Code 4720 Art.-Nr.	€
M 2	18,12		
M 2,5	18,12		
M 3	10,52	0 4720003001 00	10,52
M 3,5	11,44		
M 4	10,91	0 4720004001 00	10,91
M 5	11,44	0 4720005001 00	11,44
M 6	11,44	0 4720006001 00	11,44
M 7	24,29		
M 8	13,42	0 4720008001 00	13,42
M 10	16,20	0 4720010001 00	16,20

⁽¹⁾ ISO 2 6H = Code 4711

⁽²⁾ ISO 3 6G = Code 4720



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

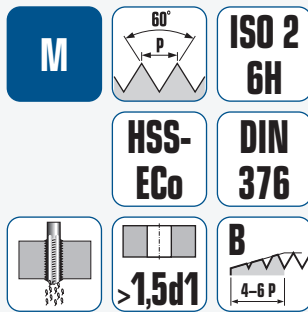
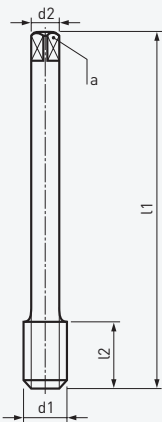
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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blank | bright | lucida

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4716 Art.-Nr.	€
M 3	0,5	56	11	2,2		Ø 2,5 mm	0 4716003001 00	12,03
M 4	0,7	63	13	2,8	2,1	Ø 3,3 mm	0 4716004001 00	12,21
M 5	0,8	70	16	3,5	2,7	Ø 4,2 mm	0 4716005001 00	12,21
M 6	1	80	19	4,5	3,4	Ø 5,0 mm	0 4716006001 00	12,21
M 8	1,25	90	22	6	4,9	Ø 6,8 mm	0 4716008001 00	12,73
M 10	1,5	100	24	7	5,5	Ø 8,5 mm	0 4716010001 00	14,62
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4716012001 00	17,89
M 14	2	110	30	11	9	Ø 12,0 mm	0 4716014001 00	22,26
M 16	2	110	32	12	9	Ø 14,0 mm	0 4716016001 00	25,29
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4716018001 00	35,55
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4716020001 00	37,72
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4716022001 00	52,58
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4716024001 00	49,80
M 30	3,5	180	45	22	18	Ø 26,5 mm	0 4716030001 00	80,54
M 36	4	200	50	28	22	Ø 32,0 mm	0 4716036001 00	118,30



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13


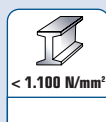


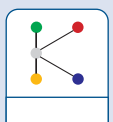
Range of application:

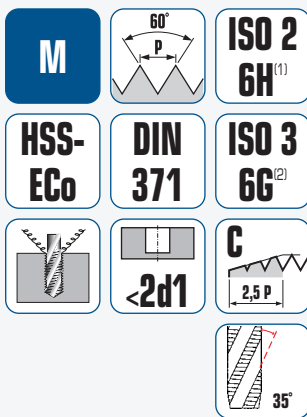
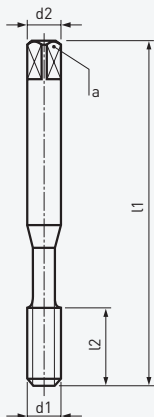
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressogetti di zinco, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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blank bright lucida		blank bright lucida								
Code 4891 Art.-Nr.	€	Code 4812 Art.-Nr.	€							
M 2	0,4	45	6	2,8	2,1	Ø 1,6 mm	0 4891002001 00	42,22		
M 2,5	0,45	50	6	2,8	2,1	Ø 2,05 mm	0 4891002501 00	42,22		
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4891003001 00	11,84	0 4812003001 00	11,84
M 3,5	0,6	56	6	4	3	Ø 2,9 mm	0 4891003501 00	13,24		
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4891004001 00	11,84	0 4812004001 00	11,84
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4891005001 00	12,03	0 4812005001 00	12,03
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4891006001 00	12,49	0 4812006001 00	12,49
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4891008001 00	14,62	0 4812008001 00	14,62
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4891010001 00	17,12	0 4812010001 00	17,12

⁽¹⁾ ISO 2 6H = Code 4891

⁽²⁾ ISO 3 6G = Code 4812



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

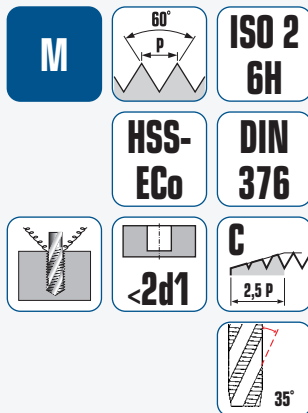
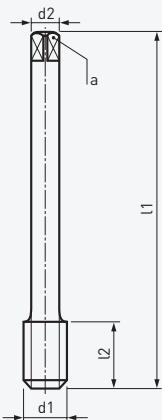
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4896 Art.-Nr.	€
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4896012001 00	19,71
M 14	2	110	20	11	9	Ø 12,0 mm	0 4896014001 00	24,60
M 16	2	110	20	12	9	Ø 14,0 mm	0 4896016001 00	27,15
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4896018001 00	39,05
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4896020001 00	40,37
M 22	2,5	140	25	18	14,5	Ø 19,5 mm	0 4896022001 00	54,10
M 24	3	160	30	18	14,5	Ø 21,0 mm	0 4896024001 00	51,44
M 30	3,5	180	35	22	18	Ø 26,5 mm	0 4896030001 00	87,01



VI/23

>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13


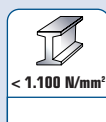

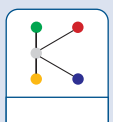
Range of application:

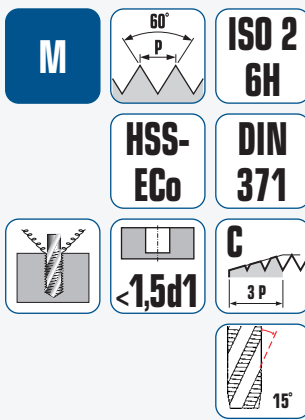
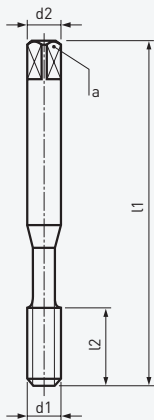
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4881 Art.-Nr.	€
M 2	0,4	45	8	2,8	2,1	Ø 1,6 mm	0 4881002001 00	42,22
M 2,5	0,45	50	9	2,8	2,1	Ø 2,05 mm	0 4881002501 00	42,22
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4881003001 00	12,10
M 3,5	0,6	56	13	4	3	Ø 2,9 mm	0 4881003501 00	13,53
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4881004001 00	12,10
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4881005001 00	12,31
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4881006001 00	12,78
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4881008001 00	15,16
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4881010001 00	17,50



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13

Range of application:

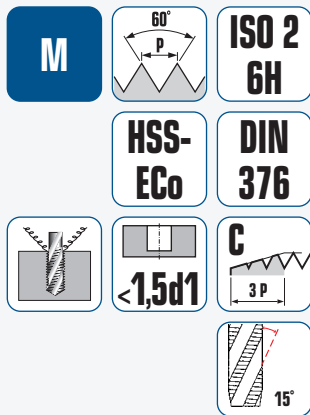
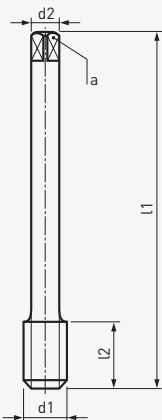
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).

< 400 N/mm ²	< 850 N/mm ²	< 1.100 N/mm ²	< 1.300 N/mm ²	> 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4886 Art.-Nr.	€
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4886012001 00	20,39
M 14	2	110	20	11	9	Ø 12,0 mm	0 4886014001 00	25,70
M 16	2	110	20	12	9	Ø 14,0 mm	0 4886016001 00	28,15
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4886018001 00	40,61
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4886020001 00	41,89
M 22	2,5	140	25	18	14,5	Ø 19,5 mm	0 4886022001 00	54,30
M 24	3	160	30	18	14,5	Ø 21,0 mm	0 4886024001 00	53,45



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde allgemeiner Anwendung. Geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm², Stahlguss sowie Aluminium-Legierungen (kurzspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13

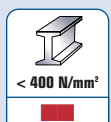
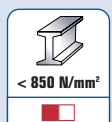



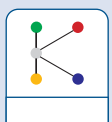
Range of application:

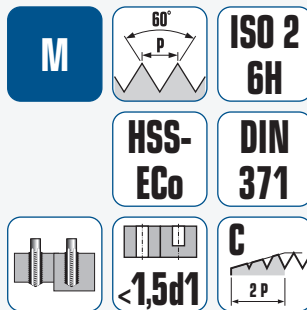
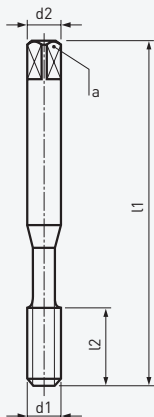
For through hole and blind hole threads in general application. Suitable for alloyed and unalloyed steels up to appr. 600 N/mm², cast steels as well as aluminium alloys (short chip-ping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Impiego generale per fori ciechi e fori passanti. Adatti per acciai legati e non legati con R fino a 600 N/mm², acciaio fuso, leghe di alluminio (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4790 Art.-Nr.	€
M 2	0,4	45	8	2,8	2,1	Ø 1,6 mm	0 4790002001 00	19,37
M 2,5	0,45	50	9	2,8	2,1	Ø 2,05 mm	0 4790002501 00	19,37
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4790003001 00	9,75
M 3,5	0,6	56	13	4	3	Ø 2,9 mm	0 4790003501 00	10,09
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4790004001 00	9,96
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4790005001 00	10,09
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4790006001 00	10,43
M 7	1	80	19	7	5,5	Ø 6,0 mm	0 4790007001 00	23,21
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4790008001 00	11,62
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4790010001 00	14,06



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde allgemeiner Anwendung. Geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm², Stahlguss sowie Aluminium-Legierungen (kurzspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

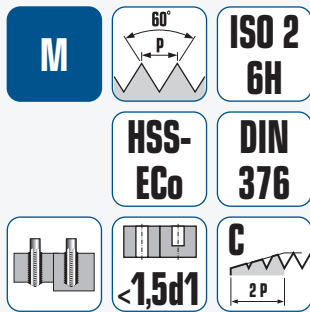
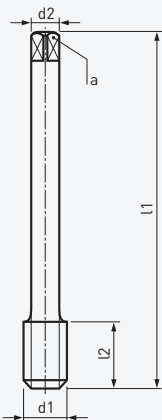
For through hole and blind hole threads in general application. Suitable for alloyed and unalloyed steels up to appr. 600 N/mm², cast steels as well as aluminium alloys (short chip-ping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Impiego generale per fori ciechi e fori passanti. Adatti per acciai legati e non legati con R fino a 600 N/mm², acciaio fuso, leghe di alluminio (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4794 Art.-Nr.	€
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4794012001 00	16,68
M 14	2	110	30	11	9	Ø 12,0 mm	0 4794014001 00	20,80
M 16	2	110	32	12	9	Ø 14,0 mm	0 4794016001 00	24,60
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4794018001 00	35,55
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4794020001 00	35,06
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4794022001 00	51,01
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4794024001 00	47,66



>> **HPT MASCHINGEWINDE-BOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13**

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für hochlegierte und hochfeste Stähle bis 1.400 N/mm² Zugfestigkeit.

HPT MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13


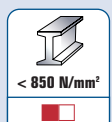



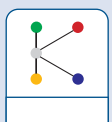
Range of application:

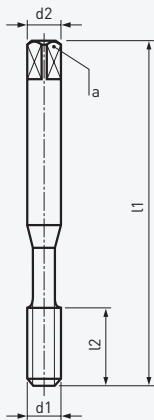
Machine taps with spiral point for through hole threads, especially suitable for high-alloyed steels and steels with high tensile strength up to 1.400 N/mm².


HPT MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

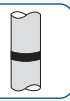
Impiego:



Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per acciai ad alta Resistenza fino a 1.400 N/mm².

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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M  **ISO 2 6H**

HSS-E/PM **DIN 371** 

 **>1,5d1** **B**  **4-6 P**



ALUNIT®

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4738 Art.-Nr.	€
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4738003001 00	25,95
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4738004001 00	26,50
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4738005001 00	27,63
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4738006001 00	29,36
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4738008001 00	33,28
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4738010001 00	37,91



>> HPT MASCHINENGEWINDE-BOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer für Durchgangsgewinde, besonders geeignet für hochlegierte und hochfeste Stähle bis 1.400 N/mm² Zugfestigkeit.

HPT MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

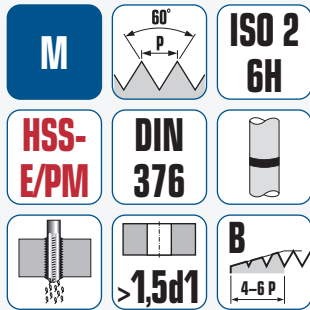
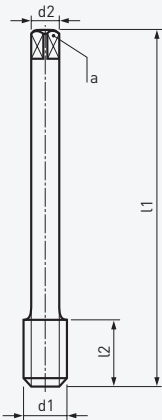
Machine taps for through hole threads, especially suitable for high-alloyed steels and steels with high tensile strength up to 1.400 N/mm².

HPT MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina per fori passanti, particolarmente adatti per acciai ad alta Resistenza fino a 1.400 N/mm².

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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ALUNIT®

d1	P	l1	l2	d2	a _{h12}		Code 4748	€
mm	mm	mm	mm	mm	mm		Art.-Nr.	
M 12	1,75	110	28	9	7	Ø 10,2 mm	0 4748012001 00	48,28



>> **HPT MASCHINGEWINDE-BOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13**

Einsatzbereich:

Für Grundgewinde, besonders geeignet für hochlegierte und hochfeste Stähle bis 1.400 N/mm² Zugfestigkeit.

HPT MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13


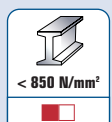



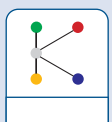
Range of application:

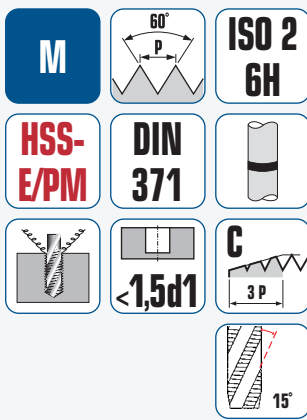
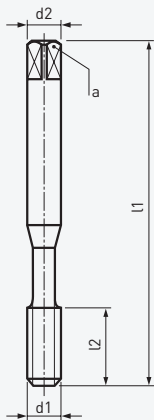
For blind hole threads, especially suitable for high-alloyed steels and steels with high tensile strength up to 1.400 N/mm².

HPT MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, particolarmente adatti per acciai ad alta Resistenza fino a 1.400 N/mm².

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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ALUNIT®

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4718 Art.-Nr.	€
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4718003001 00	27,07
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4718004001 00	27,69
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4718005001 00	28,91
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4718006001 00	30,90
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4718008001 00	35,33
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4718010001 00	41,86



>> HPT MASCHINENGEWINDE-BOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für hochlegierte und hochfeste Stähle bis 1.400 N/mm² Zugfestigkeit.

HPT MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13






Range of application:

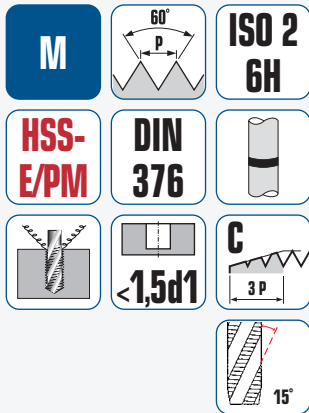
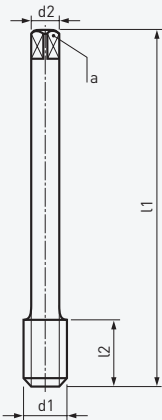
For blind hole threads, especially suitable for high-alloyed steels and steels with high tensile strength up to 1.400 N/mm².

HPT MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, particolarmente adatti per acciai ad alta Resistenza fino a 1.400 N/mm².

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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ALUNIT®

d1	P	l1	l2	d2	a _{h12}		Code 4728	€
mm	mm	mm	mm	mm	mm		Art.-Nr.	
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4728012001 00	49,41



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>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13






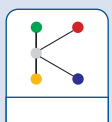
Range of application:

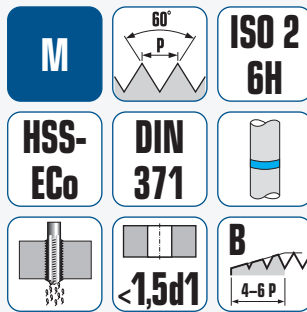
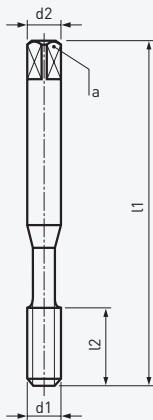
Machine taps with spiral point for through hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo) rame e leghe di rame (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4801 Art.-Nr.	€
M 3	0,5	56	11	3,5	2,7	∅ 2,5 mm	0 4801003001 00	22,22
M 4	0,7	63	13	4,5	3,4	∅ 3,3 mm	0 4801004001 00	24,68
M 5	0,8	70	16	6	4,9	∅ 4,2 mm	0 4801005001 00	24,88
M 6	1	80	19	6	4,9	∅ 5,0 mm	0 4801006001 00	27,07
M 8	1,25	90	22	8	6,2	∅ 6,8 mm	0 4801008001 00	30,79
M 10	1,5	100	24	10	8	∅ 8,5 mm	0 4801010001 00	35,52



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

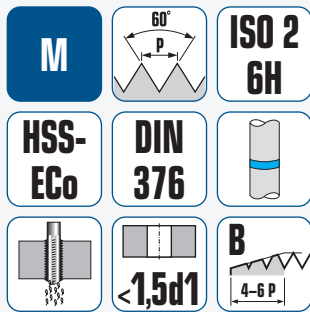
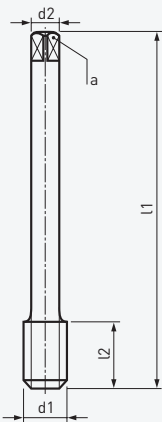
Machine taps with spiral point for through hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo) rame e leghe di rame (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4806 Art.-Nr.	€
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4806012001 00	45,20
M 14	2	110	30	11	9	Ø 12,0 mm	0 4806014001 00	62,43
M 16	2	110	32	12	9	Ø 14,0 mm	0 4806016001 00	65,14
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4806018001 00	94,14
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4806020001 00	106,60
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4806022001 00	137,20
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4806024001 00	146,00



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13






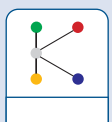
Range of application:

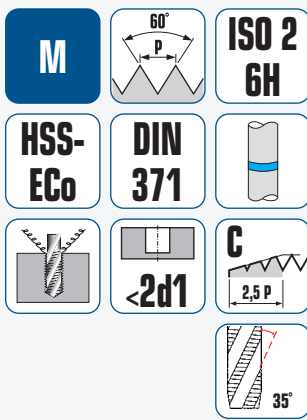
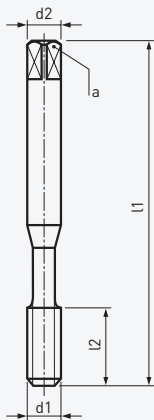
For blind hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).


MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori ciechi, particolarmente adatti per acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo), rame, leghe di rame (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4971 Art.-Nr.	€
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4971003001 00	25,21
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4971004001 00	25,83
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4971005001 00	27,07
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4971006001 00	29,06
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4971008001 00	33,47
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4971010001 00	39,99



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

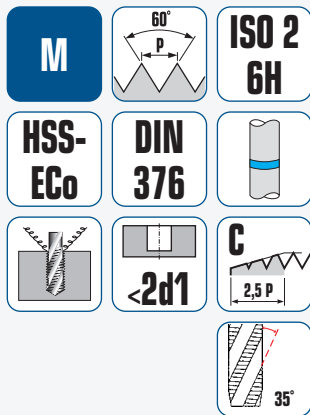
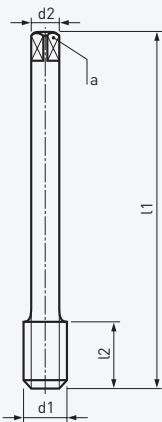
For blind hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, particolarmente adatti per acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo), rame, leghe di rame (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4976 Art.-Nr.	€
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4976012001 00	47,55
M 14	2	110	20	11	9	Ø 12,0 mm	0 4976014001 00	67,28
M 16	2	110	20	12	9	Ø 14,0 mm	0 4976016001 00	74,07
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4976018001 00	106,90
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4976020001 00	110,40
M 22	2,5	140	25	18	14,5	Ø 19,5 mm	0 4976022001 00	140,90
M 24	3	160	30	18	14,5	Ø 21,0 mm	0 4976024001 00	148,00
M 30	3,5	180	35	22	18	Ø 26,5 mm	0 4976030001 00	238,00



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>> MASCHINGEWINDEBOHRER MIT AUSGESETZTEN ZÄHNEN, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).

MACHINE TAPS WITH INTERRUPTED TEETH, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13






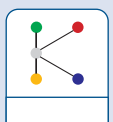
Range of application:

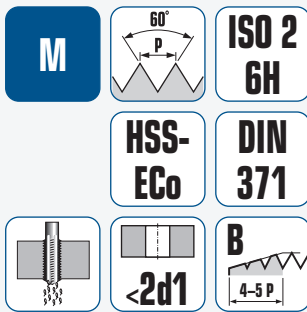
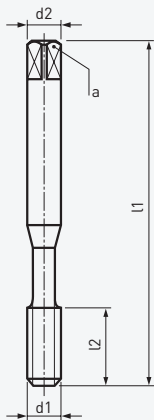
Machine taps with spiral point for through hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).

MASCHI A MACCHINA A DENTI ALTERNATI, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo) rame e leghe di rame (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4841 Art.-Nr.	€
M 3	0,5	56	10	3,5	2,7	Ø 2,5 mm	0 4841003001 00	19,81
M 4	0,7	63	12	4,5	3,4	Ø 3,3 mm	0 4841004001 00	19,81
M 5	0,8	70	14	6	4,9	Ø 4,2 mm	0 4841005001 00	20,71
M 6	1	80	16	6	4,9	Ø 5,0 mm	0 4841006001 00	20,71
M 8	1,25	90	18	8	6,2	Ø 6,8 mm	0 4841008001 00	24,35
M 10	1,5	100	20	10	8	Ø 8,5 mm	0 4841010001 00	28,43



>> MASCHINENGEWINDEBOHRER MIT AUSGESETZTEN ZÄHNEN, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie Aluminium-Legierungen (langspanend), Kupfer und Kupfer-Legierungen (langspanend).

MACHINE TAPS WITH INTERRUPTED TEETH, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

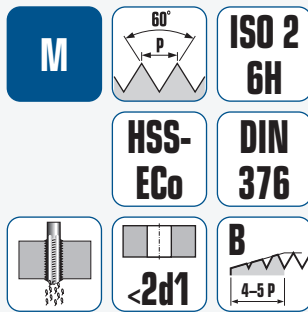
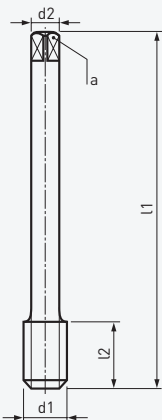
Machine taps with spiral point for through hole threads, especially suitable for stainless and acid-resistant steels as well as aluminium-alloys (long chipping), copper and copper-alloys (long chipping).

MASCHI A MACCHINA A DENTI ALTERNATI, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (a truciolo lungo) rame e leghe di rame (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4842 Art.-Nr.	€
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4842012001 00	33,44
M 14	2	110	30	11	9	Ø 12,0 mm	0 4842014001 00	41,59
M 16	2	110	32	12	9	Ø 14,0 mm	0 4842016001 00	44,32



>> MASCHINGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für rost- und säurebeständige Stähle, Aluminium-Legierungen (0,3% Si), Kupferlegierungen und Messing (langspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13





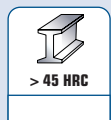
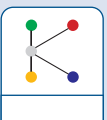
Range of application:

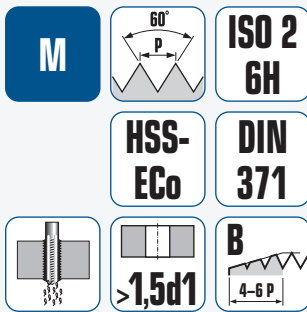
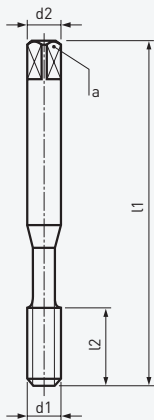
Machine taps with spiral point for through hole threads, suitable for stainless and acid-resistant steels, aluminium alloys (0,3% Si), copper alloys and brass (long chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (0,3% Si) leghe di rame, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4740 Art.-Nr.	€
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4740003001 00	9,90
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4740004001 00	10,15
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4740005001 00	10,66
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4740006001 00	10,66
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4740008001 00	12,36
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4740010001 00	14,70



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für rost- und säurebeständige Stähle, Aluminium-Legierungen (0,3% Si), Kupferlegierungen und Messing (langspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

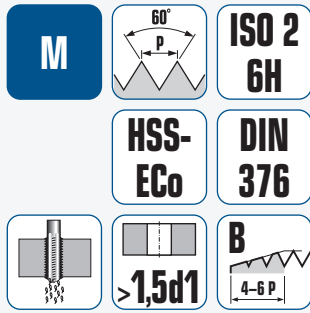
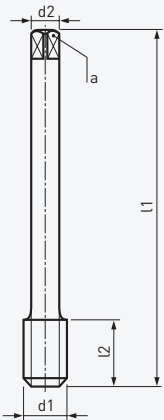
Machine taps with spiral point for through hole threads, suitable for stainless and acid-resistant steels, aluminium alloys (0,3% Si), copper alloys and brass (long chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (0,3% Si) leghe di rame, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4744 Art.-Nr.	€
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4744012001 00	18,74
M 14	2	110	30	11	9	Ø 12,0 mm	0 4744014001 00	23,42
M 16	2	110	32	12	9	Ø 14,0 mm	0 4744016001 00	26,70
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4744018001 00	37,27
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4744020001 00	39,68
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4744022001 00	41,56
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4744024001 00	52,34
M 30	3,5	180	45	22	18	Ø 26,5 mm	0 4744030001 00	84,60



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für rost- und säurebeständige Stähle, Aluminium-Legierungen (0,3% Si), Kupferlegierungen und Messing (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13






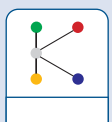
Range of application:

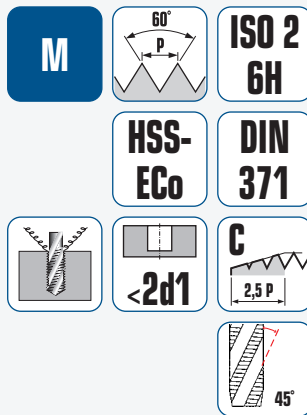
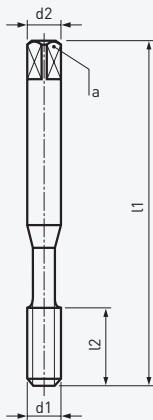
For blind hole threads, suitable for stainless and acid-resistant steels, aluminium alloys (0,3% Si), copper alloys and brass (long chip-ping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (0,3% Si) leghe di rame, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4981 Art.-Nr.	€
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4981003001 00	10,86
M 3,5	0,6	56	6	4	3	Ø 2,9 mm	0 4981003501 00	11,97
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4981004001 00	10,86
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4981005001 00	11,12
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4981006001 00	11,51
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4981008001 00	13,51
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4981010001 00	15,84



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für rost- und säurebeständige Stähle, Aluminium-Legierungen (0,3% Si), Kupferlegierungen und Messing (langspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

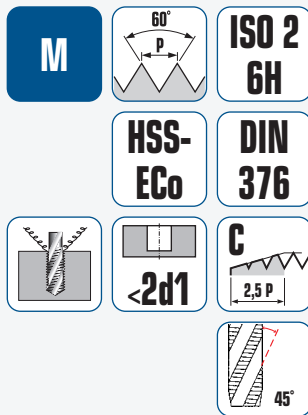
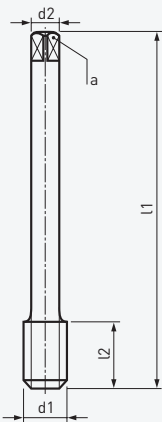
For blind hole threads, suitable for stainless and acid-resistant steels, aluminium alloys (0,3% Si), copper alloys and brass (long chip-ping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, adatti per, acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (0,3% Si) leghe di rame, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4986 Art.-Nr.	€
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4986012001 00	20,65
M 14	2	110	20	11	9	Ø 12,0 mm	0 4986014001 00	25,82
M 16	2	110	20	12	9	Ø 14,0 mm	0 4986016001 00	28,48
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4986018001 00	41,13
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4986020001 00	42,34



VI/41

>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, besonders geeignet für Grauguss, Sphäroguss und Temporguss sowie Aluminium-Legierungen (kurzspanend) und Kupfer-Legierungen (kurzspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13









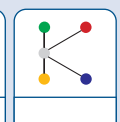
Range of application:

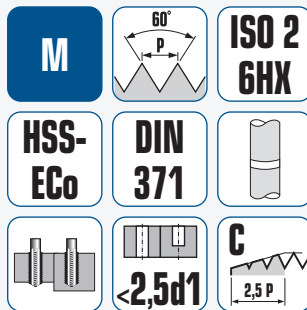
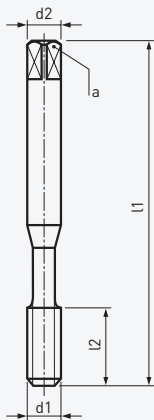
For through hole and blind hole threads, especially suitable for grey cast iron, spheroidal graphite and malleable cast iron as well as aluminium-alloys (short chipping) and copper-alloys (short chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi e fori passanti, particolarmente adatti per ghisa grigia, ghisa sferoidale, ghisa malleabile, leghe di alluminio (a truciolo corto), leghe di rame (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA 	Ti	Cu, Ms 	Al 	
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TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4811 Art.-Nr.	€
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4811003001 00	20,10
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4811004001 00	20,49
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4811005001 00	21,21
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4811006001 00	21,81
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4811008001 00	24,26
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4811010001 00	29,23



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, besonders geeignet für Grauguss, Sphäroguss und Tempereguss sowie Aluminium-Legierungen (kurzspanend) und Kupfer-Legierungen (kurzspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13










Range of application:

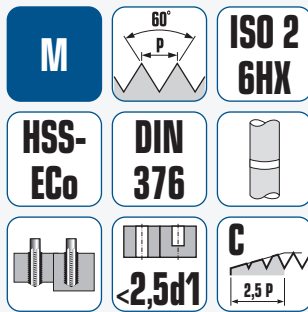
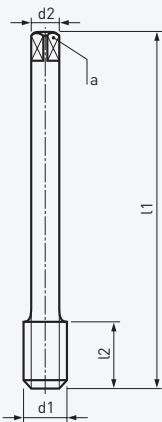
For through hole and blind hole threads, especially suitable for grey cast iron, spheroidal graphite and malleable cast iron as well as aluminium-alloys (short chipping) and copper-alloys (short chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi e fori passanti, particolarmente adatti per ghisa grigia, ghisa sferoidale, ghisa malleabile, leghe di alluminio (a truciolo corto), leghe di rame (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA 	Ti	Cu, Ms 	Al 	
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TiCN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4816 Art.-Nr.	€
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 4816012001 00	38,96
M 14	2	110	30	11	9	Ø 12,0 mm	0 4816014001 00	48,71
M 16	2	110	32	12	9	Ø 14,0 mm	0 4816016001 00	57,53
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4816018001 00	81,79
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4816020001 00	82,80
M 22	2,5	140	34	18	14,5	Ø 19,5 mm	0 4816022001 00	111,30
M 24	3	160	38	18	14,5	Ø 21,0 mm	0 4816024001 00	119,10



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für weiches Aluminium.

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13






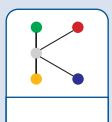
Range of application:

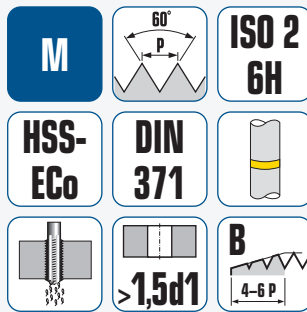
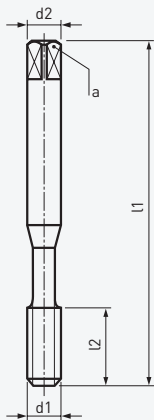
Machine taps with spiral point for through hole threads, especially suitable for soft aluminium.

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per alluminio dolce.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4731 Art.-Nr.	€
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 4731003001 00	15,22
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 4731004001 00	15,64
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 4731005001 00	16,45
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 4731006001 00	16,45
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 4731008001 00	18,85
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 4731010001 00	22,64



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, besonders geeignet für weiches Aluminium.

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

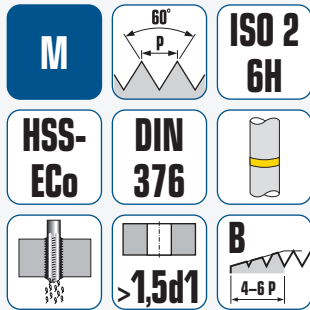
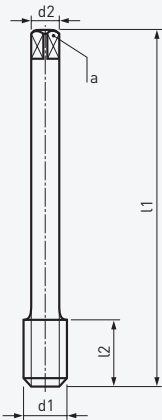
Machine taps with spiral point for through hole threads, especially suitable for soft aluminium.

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, particolarmente adatti per alluminio dolce.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4736 Art.-Nr.	€
M 12	1,75	110	28	9	7	Ø 10,2 mm	0 4736012001 00	28,84
M 14	2	110	30	11	9	Ø 12,0 mm	0 4736014001 00	35,94
M 16	2	110	32	12	9	Ø 14,0 mm	0 4736016001 00	40,91
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 4736018001 00	57,14
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 4736020001 00	60,87



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für weiches Aluminium.

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13






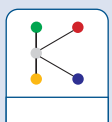
Range of application:

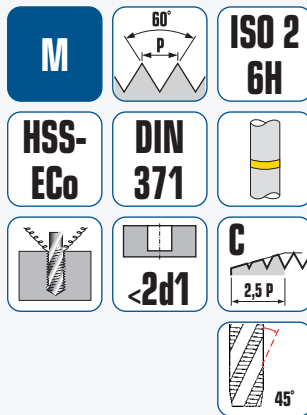
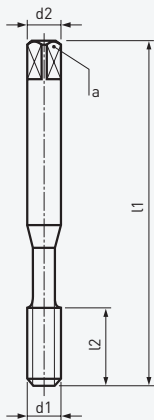
For blind hole threads, especially suitable for soft aluminium.

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, particolarmente adatti per alluminio dolce.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4931 Art.-Nr.	€
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4931003001 00	16,67
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4931004001 00	16,67
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4931005001 00	17,04
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4931006001 00	17,79
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4931008001 00	20,82
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4931010001 00	24,35



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, besonders geeignet für weiches Aluminium.

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

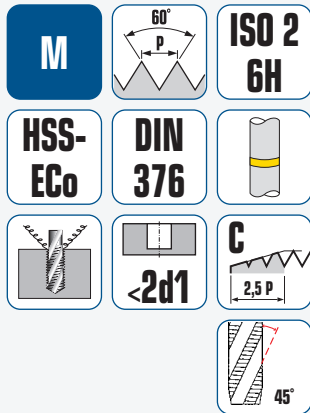
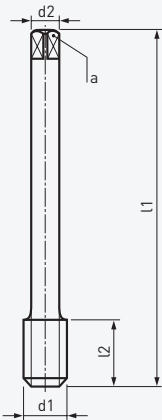
For blind hole threads, especially suitable for soft aluminium.

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, particolarmente adatti per alluminio dolce.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4936 Art.-Nr.	€
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4936012001 00	31,67
M 14	2	110	20	11	9	Ø 12,0 mm	0 4936014001 00	39,57
M 16	2	110	20	12	9	Ø 14,0 mm	0 4936016001 00	43,74
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4936018001 00	63,13
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4936020001 00	64,94



>> MASCHINENGWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm², Aluminium-Legierungen (< 10% Si) und Kupfer-Legierungen (kurzspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13


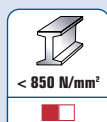
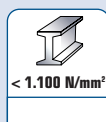


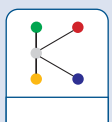
Range of application:

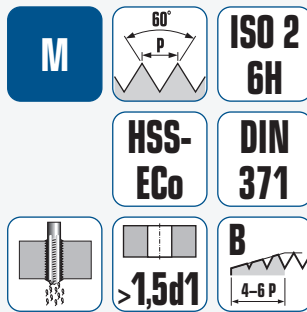
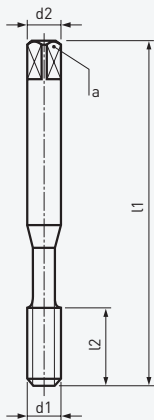
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm², aluminium alloys (< 10% Si) as well as copper alloys (short chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di alluminio (< 10% Si), leghe di rame (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5018 Art.-Nr.	€
M 3	0,5	56	11	3,5	2,7	Ø 2,5 mm	0 5018003001 00	14,96
M 4	0,7	63	13	4,5	3,4	Ø 3,3 mm	0 5018004001 00	15,39
M 5	0,8	70	16	6	4,9	Ø 4,2 mm	0 5018005001 00	16,17
M 6	1	80	19	6	4,9	Ø 5,0 mm	0 5018006001 00	16,17
M 8	1,25	90	22	8	6,2	Ø 6,8 mm	0 5018008001 00	18,74
M 10	1,5	100	24	10	8	Ø 8,5 mm	0 5018010001 00	22,44



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm², Aluminium-Legierungen (< 10% Si) und Kupfer-Legierungen (kurzspanend).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13

Range of application:

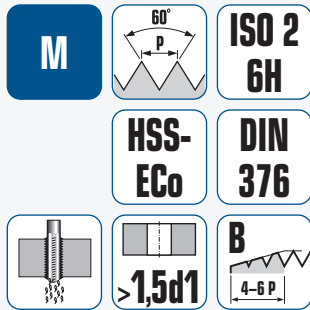
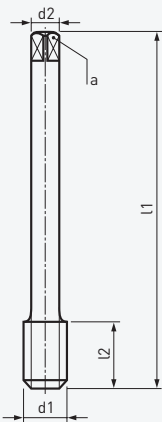
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm², aluminium alloys (< 10% Si) as well as copper alloys (short chipping).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di alluminio (< 10% Si), leghe di rame (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5028 Art.-Nr.	€
M 12	1,75	110	29	9	7	Ø 10,2 mm	0 5028012001 00	28,60
M 14	2	110	30	11	9	Ø 12,0 mm	0 5028014001 00	35,61
M 16	2	110	32	12	9	Ø 14,0 mm	0 5028016001 00	40,56
M 18	2,5	125	34	14	11	Ø 15,5 mm	0 5028018001 00	56,82
M 20	2,5	140	34	16	12	Ø 17,5 mm	0 5028020001 00	60,29



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm², Aluminium-Legierungen (< 10% Si) und Kupfer-Legierungen (kurzspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13

Range of application:

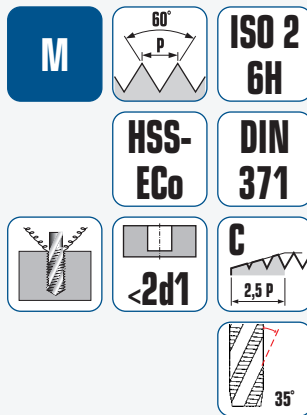
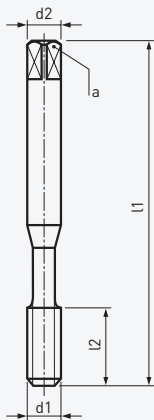
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm², aluminium alloys (< 10% Si) as well as copper alloys (short chipping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori ciechi, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di alluminio (< 10% Si), leghe di rame (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4822 Art.-Nr.	€
M 3	0,5	56	5	3,5	2,7	Ø 2,5 mm	0 4822003001 00	16,51
M 4	0,7	63	7	4,5	3,4	Ø 3,3 mm	0 4822004001 00	16,51
M 5	0,8	70	8	6	4,9	Ø 4,2 mm	0 4822005001 00	16,85
M 6	1	80	10	6	4,9	Ø 5,0 mm	0 4822006001 00	17,55
M 8	1,25	90	13	8	6,2	Ø 6,8 mm	0 4822008001 00	20,39
M 10	1,5	100	15	10	8	Ø 8,5 mm	0 4822010001 00	24,08



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm², Aluminium-Legierungen (< 10% Si) und Kupfer-Legierungen (kurzspanend).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

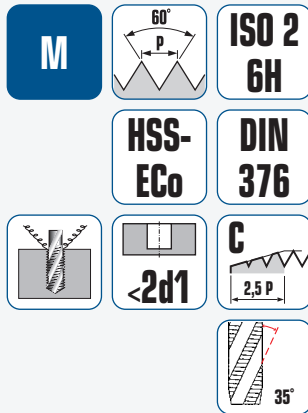
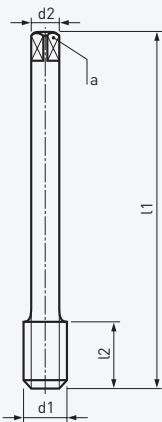
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm², aluminium alloys (< 10% Si) as well as copper alloys (short chipping).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori ciechi, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di alluminio (< 10% Si), leghe di rame (a truciolo corto).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{k12} mm		Code 4827 Art.-Nr.	€
M 12	1,75	110	18	9	7	Ø 10,2 mm	0 4827012001 00	31,57
M 14	2	110	20	11	9	Ø 12,0 mm	0 4827014001 00	39,36
M 16	2	110	20	12	9	Ø 14,0 mm	0 4827016001 00	43,29
M 18	2,5	125	25	14	11	Ø 15,5 mm	0 4827018001 00	62,58
M 20	2,5	140	25	16	12	Ø 17,5 mm	0 4827020001 00	64,54



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>> GEWINDEFORMER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm² sowie Aluminium, Aluminium-Legierungen (< 10% Si), Kupfer und Kupfer-Legierungen (langspanend).

FORMING TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13

Range of application:

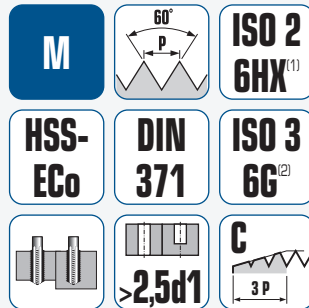
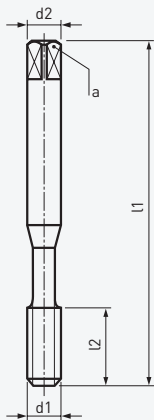
For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to approx. 850 N/mm² as well as aluminium, aluminium alloys (< 10% Si), copper and copper alloys (long chipping).

MASCHI A MACCHINA A ROLLARE, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², alluminio, leghe di alluminio (< 10% Si), rame, leghe di rame (a truciolo lungo).

< 400 N/mm ²	< 850 N/mm ²	< 1.100 N/mm ²	< 1.300 N/mm ²	> 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN		TiN	
Code 4855	€	Code 4865	€
Art.-Nr.		Art.-Nr.	

d1	P	l1	l2	d2	a _{h12}		Code 4855	€	Code 4865	€
mm	mm	mm	mm	mm	mm		Art.-Nr.		Art.-Nr.	
M 3	0,5	56	11	3,5	2,7	Ø 2,77–2,82 mm	0 4855003001 00	36,14	0 4865003001 00	36,14
M 4	0,7	63	13	4,5	3,4	Ø 3,68–3,73 mm	0 4855004001 00	36,84	0 4865004001 00	36,84
M 5	0,8	70	16	6	4,9	Ø 4,63–4,68 mm	0 4855005001 00	38,56	0 4865005001 00	38,56
M 6	1	80	19	6	4,9	Ø 5,51–5,59 mm	0 4855006001 00	40,90	0 4865006001 00	40,90
M 8	1,25	90	22	8	6,2	Ø 7,39–7,48 mm	0 4855008001 00	44,13	0 4865008001 00	44,13
M 10	1,5	100	24	10	8	Ø 9,25–9,35 mm	0 4855010001 00	55,92	0 4865010001 00	55,92

⁽¹⁾ ISO 2 6HX = Code 4855
⁽²⁾ ISO 3 6G = Code 4865



>> GEWINDEFORMER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm² sowie Aluminium, Aluminium-Legierungen (< 10% Si), Kupfer und Kupfer-Legierungen (langspanend).

FORMING TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13







Range of application:

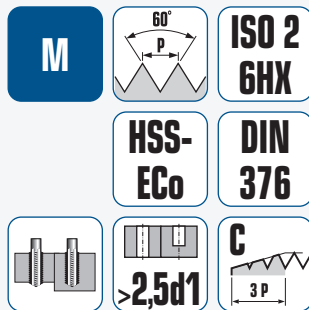
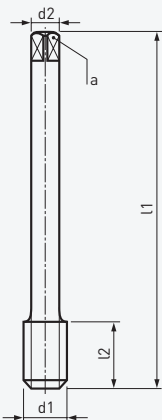
For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm² as well as aluminium, aluminium alloys (< 10% Si), copper and copper alloys (long chipping).

MASCHI A MACCHINA A ROLLARE, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², alluminio, leghe di alluminio (< 10% Si), rame, leghe di rame (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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TiN

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4856 Art.-Nr.	€
M 12	1,75	110	28	9	7	Ø 11,12-11,25 mm	0 4856012001 00	67,66



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>> MASCHINEN-MUTTER-GEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Temperguss, Sphäroguss, Zinklegierungen, Zinkdruckguss sowie Messing (langspanend).

MACHINE NUT TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13


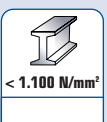
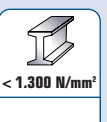
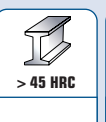
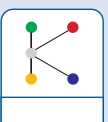
Range of application:

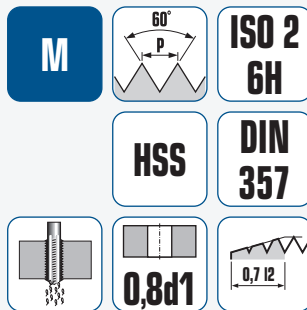
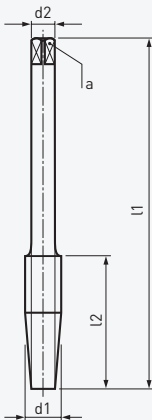
Suitable for alloyed and unalloyed steels up to appr. 850 N/mm², malleable cast iron, spheroidal graphite, zinc alloys, zinc die castings as well as brass (long chipping).

MASCHI A MACCHINA PER DADI, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Adatti per acciai legati e non legati con R fino a 850 N/mm², ghisa malleabile, ghisa sferoidale, leghe di zinco, pressoggetti di zinco, ottone (a truciolo lungo).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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blank | bright | lucida

d1 mm	p mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5314 Art.-Nr.	€
M 3	0,5	70	22	2,2	-	∅ 2,5 mm	0 5314003001 00	12,53
M 4	0,7	90	25	2,8	2,1	∅ 3,3 mm	0 5314004001 00	12,82
M 5	0,8	100	28	3,5	2,7	∅ 4,2 mm	0 5314005001 00	14,11
M 6	1	110	32	4,5	3,4	∅ 5,0 mm	0 5314006001 00	14,37
M 8	1,25	125	40	6	4,9	∅ 6,8 mm	0 5314008001 00	18,14
M 10	1,5	140	45	7	5,5	∅ 8,5 mm	0 5314010001 00	21,15
M 12	1,75	180	50	9	7	∅ 10,2 mm	0 5314012001 00	28,43
M 14	2	200	56	11	9	∅ 12,0 mm	0 5314014001 00	35,06
M 16	2	200	63	12	9	∅ 14,0 mm	0 5314016001 00	39,93
M 18	2,5	220	63	14	11	∅ 15,5 mm	0 5314018001 00	48,78
M 20	2,5	250	70	16	12	∅ 17,5 mm	0 5314020001 00	53,45
M 24	3	280	80	18	14,5	∅ 21,0 mm	0 5314024001 00	76,38



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-FEINGEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 1.000 N/mm², rost- und säurebeständige Stähle sowie Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO FINE THREADS DIN 13







Range of application:

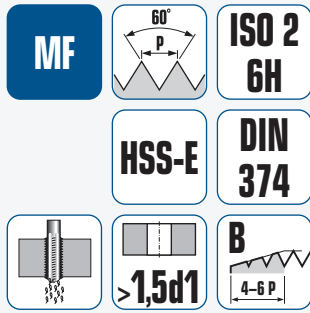
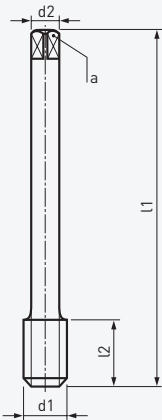
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 1.000 N/mm², stainless and acid-resistant steels as well as aluminium alloys (< 10% Si).

MASCHI A MACCHINA PER DADI, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 1000 N/mm², acciai inossidabili, acciai resistenti agli acidi, leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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vaporisiert | vaporised
vaporizzata

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5144 Art.-Nr.	€
MF 4	0,5	63	10	2,8	2,1	Ø 3,5 mm	0 5144009001 00	20,09
MF 5	0,5	70	12	3,5	2,7	Ø 4,5 mm	0 5144011001 00	21,42
MF 6	0,5	80	14	4,5	3,4	Ø 5,5 mm	0 5144013001 00	21,52
MF 6	0,75	80	14	4,5	3,4	Ø 5,2 mm	0 5144015001 00	21,31
MF 8	0,75	80	19	6	4,9	Ø 7,2 mm	0 5144017001 00	23,65
MF 10	0,75	90	20	7	5,5	Ø 9,2 mm	0 5144019001 00	30,87
MF 8	1	90	22	6	4,9	Ø 7,0 mm	0 5144022001 00	21,52
MF 10	1	90	20	7	5,5	Ø 9,0 mm	0 5144024001 00	22,43
MF 12	1	100	22	9	7	Ø 11,0 mm	0 5144026001 00	36,20
MF 14	1	100	22	11	9	Ø 13,0 mm	0 5144027001 00	34,60
MF 16	1	100	22	12	9	Ø 15,0 mm	0 5144029001 00	38,99
MF 18	1	110	25	14	11	Ø 17,0 mm	0 5144030001 00	50,30
MF 20	1	125	25	16	12	Ø 19,0 mm	0 5144031001 00	54,21
MF 22	1	125	25	18	14,5	Ø 21,0 mm	0 5144032001 00	75,41
MF 24	1	140	28	18	14,5	Ø 23,0 mm	0 5144033001 00	80,68
MF 10	1,25	100	24	7	5,5	Ø 8,8 mm	0 5144037001 00	28,18
MF 12	1,25	100	22	9	7	Ø 10,8 mm	0 5144038001 00	29,33
MF 14	1,25	100	22	11	9	Ø 12,8 mm	0 5144039001 00	32,99
MF 12	1,5	100	22	9	7	Ø 10,5 mm	0 5144040001 00	24,55
MF 14	1,5	100	22	11	9	Ø 12,5 mm	0 5144041001 00	32,68
MF 16	1,5	100	22	12	9	Ø 14,5 mm	0 5144043001 00	37,21
MF 18	1,5	110	25	14	11	Ø 16,5 mm	0 5144044001 00	46,19
MF 20	1,5	125	25	16	12	Ø 18,5 mm	0 5144045001 00	51,64
MF 22	1,5	125	25	18	14,5	Ø 20,5 mm	0 5144046001 00	54,79
MF 24	1,5	140	28	18	14,5	Ø 22,5 mm	0 5144047001 00	60,18

Fortsetzung auf Seite VI/56 | Continued on page VI/56 | Segue a pagina VI/56




>> **MASCHINGEWINDEBOHRER,
GERADE GENUTET, FÜR
METRISCHES ISO-
FEINGEWINDE DIN 13**

**MACHINE TAPS, STRAIGHT
FLUTED, FOR METRIC ISO
FINE THREADS DIN 13**

**MASCHI A MACCHINA,
SCANALATURE DIRITTE, PER
FILETTATURA METRICA ISO
FINE, DIN 13**

Fortsetzung von Seite VI/55 | Continued from page VI/55
 Segue da pagina VI/55

							vaporisiert vaporised vaporizzata	
d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5144 Art.-Nr.	€
MF 25	1,5	140	28	18	14,5	Ø 23,5 mm	0 5144048001 00	108,20
MF 26	1,5	140	28	18	14,5	Ø 24,5 mm	0 5144049001 00	77,54
MF 27	1,5	140	28	20	16	Ø 25,5 mm	0 5144050001 00	86,46
MF 28	1,5	140	28	20	16	Ø 26,5 mm	0 5144051001 00	89,18
MF 30	1,5	150	28	22	18	Ø 28,5 mm	0 5144052001 00	95,70
MF 32	1,5	150	28	22	18	Ø 30,5 mm	0 5144053001 00	114,30



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-FEINGEWINDE DIN 13

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR METRIC ISO FINE THREADS DIN 13







Range of application:

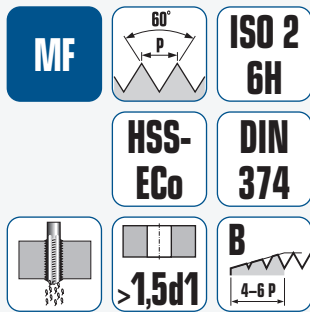
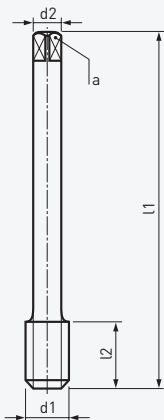
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO FINE, DIN 13


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5154 Art.-Nr.	€
MF 4	0,5	63	10	2,8	2,1	Ø 3,5 mm	0 5154009001 00	16,17
MF 5	0,5	70	12	3,5	2,7	Ø 4,5 mm	0 5154011001 00	17,19
MF 6	0,5	80	14	4,5	3,4	Ø 5,5 mm	0 5154013001 00	18,06
MF 6	0,75	80	14	4,5	3,4	Ø 5,2 mm	0 5154015001 00	17,85
MF 8	0,75	80	19	6	4,9	Ø 7,2 mm	0 5154017001 00	19,44
MF 10	0,75	90	20	7	5,5	Ø 9,2 mm	0 5154019001 00	24,85
MF 8	1	90	22	6	4,9	Ø 7,0 mm	0 5154022001 00	17,29
MF 10	1	90	20	7	5,5	Ø 9,0 mm	0 5154024001 00	18,06
MF 12	1	100	22	9	7	Ø 11,0 mm	0 5154026001 00	21,01
MF 14	1	100	22	11	9	Ø 13,0 mm	0 5154027001 00	27,96
MF 16	1	100	22	12	9	Ø 15,0 mm	0 5154029001 00	31,51
MF 18	1	110	25	14	11	Ø 17,0 mm	0 5154030001 00	40,61
MF 20	1	125	25	16	12	Ø 19,0 mm	0 5154031001 00	43,73
MF 22	1	125	25	18	14,5	Ø 21,0 mm	0 5154032001 00	60,80
MF 24	1	140	28	18	14,5	Ø 23,0 mm	0 5154033001 00	65,05
MF 10	1,25	100	24	7	5,5	Ø 8,8 mm	0 5154037001 00	22,80
MF 12	1,25	100	22	9	7	Ø 10,8 mm	0 5154038001 00	23,65
MF 14	1,25	100	22	11	9	Ø 12,8 mm	0 5154039001 00	26,58
MF 12	1,5	100	22	9	7	Ø 10,5 mm	0 5154040001 00	19,80
MF 14	1,5	100	22	11	9	Ø 12,5 mm	0 5154041001 00	26,32
MF 16	1,5	100	22	12	9	Ø 14,5 mm	0 5154043001 00	30,56
MF 18	1,5	110	25	14	11	Ø 16,5 mm	0 5154044001 00	37,27
MF 20	1,5	125	25	16	12	Ø 18,5 mm	0 5154045001 00	41,77
MF 22	1,5	125	25	18	14,5	Ø 20,5 mm	0 5154046001 00	44,22
MF 24	1,5	140	28	18	14,5	Ø 22,5 mm	0 5154047001 00	48,60

Fortsetzung auf Seite VI/58 | Continued on page VI/58 | Segue a pagina VI/58




>> **MASCHINGEWINDEBOHRER,
GERADE GENUTET, FÜR
METRISCHES ISO-
FEINGEWINDE DIN 13**

**MACHINE TAPS, STRAIGHT
FLUTED, FOR METRIC ISO
FINE THREADS DIN 13**

**MASCHI A MACCHINA,
SCANALATURE DIRITTE, PER
FILETTATURA METRICA ISO
FINE, DIN 13**

Fortsetzung von Seite VI/57 | Continued from page VI/57
Segue da pagina VI/57

							blank bright lucida	
d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5154 Art.-Nr.	€
MF 25	1,5	140	28	18	14,5	Ø 23,5 mm	0 5154048001 00	87,32
MF 26	1,5	140	28	18	14,5	Ø 24,5 mm	0 5154049001 00	62,64
MF 27	1,5	140	28	20	16	Ø 25,5 mm	0 5154050001 00	69,80
MF 30	1,5	150	28	22	18	Ø 28,5 mm	0 5154052001 00	77,26
MF 36	1,5	170	30	28	22	Ø 34,5 mm	0 5154057001 00	114,10
MF 38	1,5	170	30	28	22	Ø 36,5 mm	0 5154058001 00	250,90
MF 42	1,5	170	30	32	24	Ø 40,5 mm	0 5154060001 00	148,40
MF 45	1,5	180	32	36	29	Ø 43,5 mm	0 5154061001 00	167,70
MF 20	2	140	34	16	12	Ø 18,0 mm	0 5154066001 00	57,64
MF 24	2	140	28	18	14,5	Ø 22,0 mm	0 5154068001 00	54,66
MF 27	2	140	28	20	16	Ø 25,0 mm	0 5154069001 00	73,71
MF 30	2	150	28	22	18	Ø 28,0 mm	0 5154070001 00	84,29
MF 33	2	160	30	25	20	Ø 31,0 mm	0 5154071001 00	103,60
MF 36	2	170	30	28	22	Ø 34,0 mm	0 5154072001 00	128,20



>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR METRISCHES ISO-FEINGEWINDE DIN 13

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, SPIRAL FLUTED, FOR METRIC ISO FINE THREADS DIN 13







Range of application:

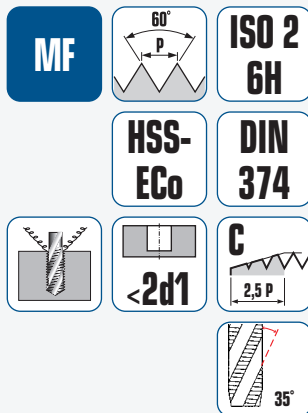
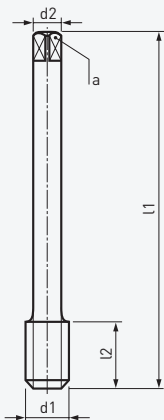
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA METRICA ISO FINE, DIN 13


Impiego:

Per fori ciechi, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5174 Art.-Nr.	€
MF 4	0,5	63	6	2,8	2,1	Ø 3,5 mm	0 5174009001 00	17,89
MF 5	0,5	70	7	3,5	2,7	Ø 4,5 mm	0 5174011001 00	18,14
MF 6	0,5	80	8	4,5	3,4	Ø 5,5 mm	0 5174013001 00	18,06
MF 6	0,75	80	8	4,5	3,4	Ø 5,2 mm	0 5174015001 00	18,06
MF 8	0,75	80	10	6	4,9	Ø 7,2 mm	0 5174017001 00	19,71
MF 8	1	90	10	6	4,9	Ø 7,0 mm	0 5174022001 00	18,06
MF 10	1	90	12	7	5,5	Ø 9,0 mm	0 5174024001 00	19,44
MF 12	1	100	14	9	7	Ø 11,0 mm	0 5174026001 00	23,24
MF 14	1	100	16	11	9	Ø 13,0 mm	0 5174028001 00	29,93
MF 16	1	100	16	12	9	Ø 15,0 mm	0 5174029001 00	35,43
MF 18	1	110	20	14	11	Ø 17,0 mm	0 5174030001 00	43,78
MF 20	1	125	20	16	12	Ø 19,0 mm	0 5174031001 00	48,72
MF 22	1	125	20	18	14,5	Ø 21,0 mm	0 5174032001 00	63,79
MF 24	1	140	24	18	14,5	Ø 23,0 mm	0 5174033001 00	67,70
MF 12	1,25	100	14	9	7	Ø 10,8 mm	0 5174038001 00	29,93
MF 14	1,25	100	16	11	9	Ø 12,8 mm	0 5174039001 00	31,26
MF 12	1,5	100	14	9	7	Ø 10,5 mm	0 5174040001 00	21,84
MF 14	1,5	100	16	11	9	Ø 12,5 mm	0 5174041001 00	28,60
MF 16	1,5	100	16	12	9	Ø 14,5 mm	0 5174043001 00	34,61
MF 18	1,5	110	20	14	11	Ø 16,5 mm	0 5174044001 00	39,24
MF 20	1,5	125	20	16	12	Ø 18,5 mm	0 5174045001 00	44,87
MF 22	1,5	125	20	18	14,5	Ø 20,5 mm	0 5174046001 00	51,44
MF 24	1,5	140	24	18	14,5	Ø 22,5 mm	0 5174047001 00	56,44
MF 27	1,5	140	24	20	16	Ø 25,5 mm	0 5174050001 00	81,82
MF 30	1,5	150	28	22	18	Ø 28,5 mm	0 5174052001 00	99,01

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>> **MASCHINGEWINDEBOHRER,
SPIRAL-GENUTET, FÜR
METRISCHES ISO-
FEINGEWINDE DIN 13**

**MACHINE TAPS, SPIRAL
FLUTED, FOR METRIC ISO
FINE THREADS DIN 13**

**MASCHI A MACCHINA,
SCANALATURE ELICOIDALI,
PER FILETTATURA METRICA
ISO FINE, DIN 13**

Fortsetzung von Seite VI/59 | Continued from page VI/59
Segue da pagina VI/59

							blank bright lucida	
d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5174 Art.-Nr.	€
MF 36	1,5	170	30	28	22	Ø 34,5 mm	0 5174057001 00	134,70
MF 38	1,5	170	30	28	22	Ø 36,5 mm	0 5174058001 00	226,90
MF 42	1,5	170	30	32	24	Ø 40,5 mm	0 5174060001 00	270,40
MF 45	1,5	180	32	36	29	Ø 43,5 mm	0 5174061001 00	320,80
MF 48	1,5	190	32	36	29	Ø 46,5 mm	0 5174062001 00	383,40
MF 20	2	140	20	16	12	Ø 18,0 mm	0 5174066001 00	61,06
MF 24	2	140	24	18	14,5	Ø 22,0 mm	0 5174068001 00	63,53
MF 27	2	140	24	20	16	Ø 25,0 mm	0 5174069001 00	91,30
MF 30	2	150	28	22	18	Ø 28,0 mm	0 5174070001 00	105,10
MF 33	2	160	30	25	20	Ø 31,0 mm	0 5174071001 00	139,60
MF 36	2	170	30	28	22	Ø 34,0 mm	0 5174072001 00	179,10



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR WHITWORTH-ROHRGEWINDE DIN ISO 228

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR WHITWORTH PIPE THREADS DIN ISO 228







Range of application:

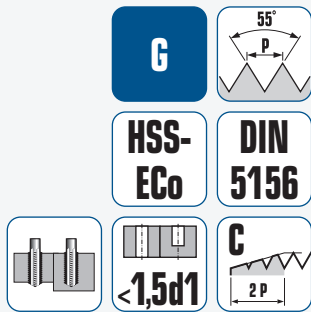
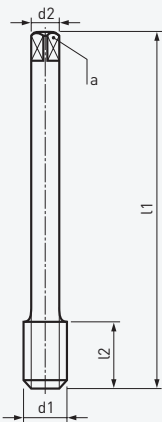
For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA WHITWORTH PER TUBI DIN ISO 228


Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4905 Art.-Nr.	€
G 1/8"	28	90	20	7	5,5	Ø 8,8 mm	0 4905016001 00	18,95
G 1/4"	19	100	22	11	9	Ø 11,8 mm	0 4905020001 00	25,01
G 3/8"	19	100	22	12	9	Ø 15,25 mm	0 4905024001 00	31,08
G 1/2"	14	125	25	16	12	Ø 19,0 mm	0 4905028001 00	42,14
G 5/8"	14	125	25	18	14,5	Ø 21,0 mm	0 4905032001 00	51,89
G 3/4"	14	140	28	20	16	Ø 24,5 mm	0 4905034001 00	64,85
G 7/8"	14	150	28	22	18	Ø 28,25 mm	0 4905036001 00	90,29
G 1"	11	160	30	25	20	Ø 30,75 mm	0 4905038001 00	96,74



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>> MASCHINENGEWINDEBOHRER, SPIRAL-GENUTET, FÜR WHITWORTH-ROHRGEWINDE DIN ISO 228

Einsatzbereich:

Für Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, SPIRAL FLUTED, FOR WHITWORTH PIPE THREADS DIN ISO 228

Range of application:

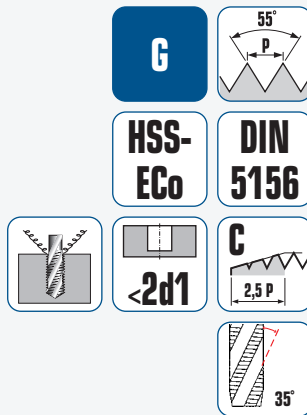
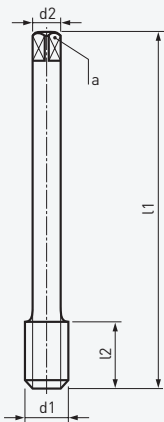
For blind hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE ELICOIDALI, PER FILETTATURA WHITWORTH PER TUBI DIN ISO 228

Impiego:

Per fori ciechi, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5055 Art.-Nr.	€
G 1/8"	28	90	20	7	5,5	Ø 8,8 mm	0 5055016001 00	29,81
G 1/4"	19	100	22	11	9	Ø 11,8 mm	0 5055020001 00	41,82
G 3/8"	19	100	22	12	9	Ø 15,25 mm	0 5055024001 00	49,73
G 1/2"	14	125	25	16	12	Ø 19,0 mm	0 5055028001 00	63,40
G 5/8"	14	125	25	18	14,5	Ø 21,0 mm	0 5055032001 00	80,61
G 3/4"	14	140	28	20	16	Ø 24,5 mm	0 5055034001 00	102,00
G 7/8"	14	150	28	22	18	Ø 28,25 mm	0 5055036001 00	135,90
G 1"	11	160	30	25	20	Ø 30,75 mm	0 5055038001 00	156,60



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR WHITWORTH-ROHRGEWINDE DIN ISO 228

Einsatzbereich:

Maschinengewindebohrer für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR WHITWORTH PIPE THREADS DIN ISO 228







Range of application:

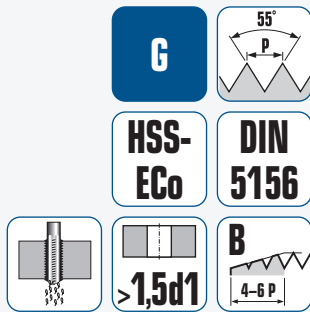
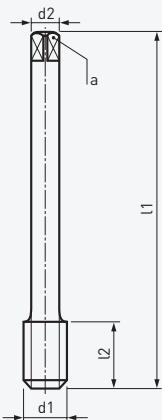
Machine taps for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA WHITWORTH PER TUBI DIN ISO 228


Impiego:

Maschi a macchina per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5204 Art.-Nr.	€
G 1/8"	28	90	20	7	5,5	Ø 8,8 mm	0 5204016001 00	23,21
G 1/4"	19	100	22	11	9	Ø 11,8 mm	0 5204020001 00	31,57
G 3/8"	19	100	22	12	9	Ø 15,25 mm	0 5204024001 00	38,78
G 1/2"	14	125	25	16	12	Ø 19,0 mm	0 5204028001 00	52,34
G 5/8"	14	125	25	18	14,5	Ø 21,0 mm	0 5204032001 00	65,05
G 3/4"	14	140	28	20	16	Ø 24,5 mm	0 5204034001 00	82,70
G 7/8"	14	150	28	22	18	Ø 28,25 mm	0 5204036001 00	106,00
G 1"	11	160	30	25	20	Ø 30,75 mm	0 5204038001 00	116,00



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>> MASCHINGEWINDEBOHRER, GERADE GENUTET, FÜR WHITWORTH-GEWINDE BSW, DIN 11

Einsatzbereich:

Maschingewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR WHITWORTH THREADS BSW, DIN 11


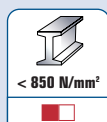
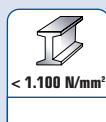


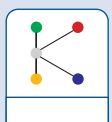
Range of application:

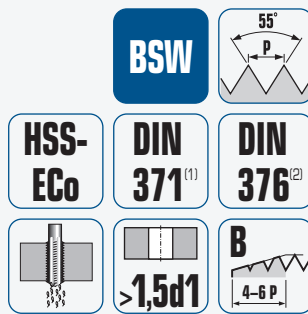
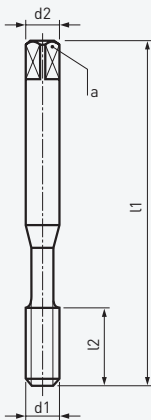
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA WHITWORTH BSW, DIN 11


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	P/1" mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5207 Art.-Nr.	€
W 1/8"	40	56	11	3,5	2,7	Ø 2,5 mm	0 5207016001 00	18,43
W 5/32"	32	63	13	4,5	3,4	Ø 3,2 mm	0 5207017001 00	18,43
W 3/16"	24	70	15	6	4,9	Ø 3,6 mm	0 5207018001 00	19,33
W 1/4"	20	80	17	7	5,5	Ø 5,1 mm	0 5207020001 00	19,33
W 5/16"	18	90	20	8	6,2	Ø 6,5 mm	0 5207022001 00	23,39
W 3/8"	16	100	22	9	7	Ø 7,9 mm	0 5207024001 00	26,16
W 7/16"	14	100	22	11	9	Ø 9,2 mm	0 5207026001 00	30,71
W 1/2"	12	110	25	12	9	Ø 10,5 mm	0 5207028001 00	30,71
W 9/16"	12	110	26	11	9	Ø 12,0 mm	0 5207030001 00	43,41
W 5/8"	11	110	27	12	9	Ø 13,25 mm	0 5207032001 00	43,41
W 3/4"	10	125	30	14	11	Ø 16,25 mm	0 5207034001 00	94,15
W 7/8"	9	140	32	18	14,5	Ø 19,25 mm	0 5207036001 00	107,20
W 1"	8	160	36	20	16	Ø 22,0 mm	0 5207038001 00	114,00

⁽¹⁾ DIN 371: W 1/8"-W 1/2"

⁽²⁾ DIN 376: W 9/16"-W 1"



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR UNIFIED GROBGEWINDE UNC ANSI B 1.1

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR UNIFIED COARSE THREADS UNC ANSI B 1.1







Range of application:

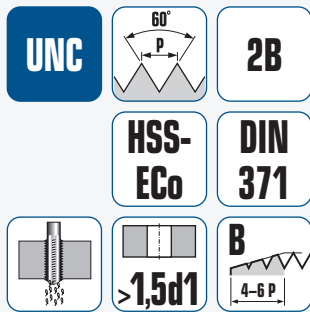
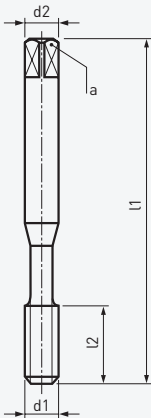
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA AMERICANA UNC GROSSA ANSI 1.1


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5205 Art.-Nr.	€
5-40	3,17	56	11	3,5	2,7	Ø 2,6 mm	0 5205005001 00	14,91
6-32	3,50	56	12	4	3	Ø 2,8 mm	0 5205006001 00	14,30
8-32	4,16	63	13	4,5	3,4	Ø 3,5 mm	0 5205008001 00	14,11
10-24	4,82	70	16	6	4,9	Ø 3,9 mm	0 5205010001 00	15,22
12-24	5,48	80	17	6	4,9	Ø 4,5 mm	0 5205012001 00	17,05
1/4"-20	6,35	80	19	7	5,2	Ø 5,2 mm	0 5205020001 00	16,34
5/16"-18	7,93	90	22	8	6,2	Ø 6,6 mm	0 5205022001 00	18,47
3/8"-16	9,52	90	22	9	7	Ø 8,0 mm	0 5205024001 00	20,70



VI/65

>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR UNIFIED GROBGEWINDE UNC ANSI B 1.1

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR UNIFIED COARSE THREADS UNC ANSI B 1.1

Range of application:

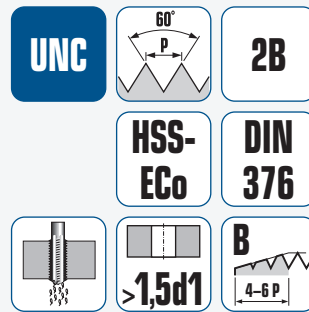
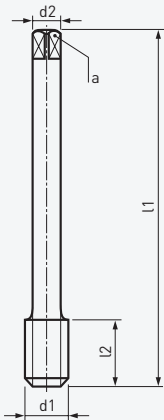
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA AMERICANA UNC GROSSA ANSI 1.1

Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

< 400 N/mm ²	< 850 N/mm ²	< 1.100 N/mm ²	< 1.300 N/mm ²	> 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5215 Art.-Nr.	€
7/16"-14	11,11	100	24	8	6,2	Ø 9,4 mm	0 5215026001 00	25,37
1/2"-13	12,78	110	28	9	7	Ø 10,75 mm	0 5215028001 00	27,40
9/16"-12	14,28	110	30	11	9	Ø 12,25 mm	0 5215030001 00	40,99
5/8"-11	15,87	110	32	12	9	Ø 13,5 mm	0 5215032001 00	34,70
3/4"-10	19,05	125	34	14	11	Ø 16,5 mm	0 5215034001 00	46,98
7/8"- 9	22,22	140	34	18	14,5	Ø 19,5 mm	0 5215038001 00	57,33
1"- 8	25,40	160	38	18	14,5	Ø 22,25 mm	0 5215042001 00	74,87
1 1/8"- 7	28,57	180	45	22	18	Ø 25,0 mm	0 5215046001 00	89,90



>> MASCHINENGEWINDEBOHRER, GERADE GENUTET, FÜR UNIFIED FEINGEWINDE UNF ANSI B 1.1

Einsatzbereich:

Maschinengewindebohrer mit Schälanschnitt für Durchgangsgewinde, geeignet für legierte und unlegierte Stähle bis ca. 600 N/mm² sowie Kupfer-Legierungen (kurzspanend) und Aluminium-Legierungen (< 10% Si).

MACHINE TAPS, STRAIGHT FLUTED, FOR UNIFIED FINE THREADS UNF ANSI B 1.1







Range of application:

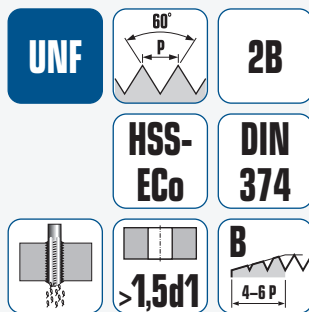
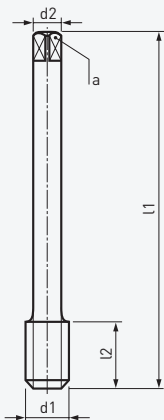
Machine taps with spiral point for through hole threads, suitable for alloyed and unalloyed steels up to appr. 600 N/mm² as well as copper alloys (short chipping) and aluminium alloys (< 10% Si).

MASCHI A MACCHINA, SCANALATURE DIRITTE, PER FILETTATURA AMERICANA UNF FINE ANSI B 1.1


Impiego:

Maschi a macchina, imbocco coretto per fori passanti, adatti per acciai legati e non legati con R fino a 600 N/mm², leghe di rame (a truciolo corto), leghe di alluminio (< 10% Si).

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 5206 Art.-Nr.	€
5-44	3,17	56	11	2,2	—	∅ 2,7 mm	0 5206005001 00	18,67
6-40	3,50	56	12	2,5	2,1	∅ 3,0 mm	0 5206006001 00	16,84
8-36	4,16	63	13	2,8	2,1	∅ 3,5 mm	0 5206008001 00	16,84
10-32	4,82	70	16	3,5	2,7	∅ 4,1 mm	0 5206010001 00	17,45
12-28	5,48	80	17	4	3	∅ 4,7 mm	0 5206012001 00	20,60
1/4"-28	6,35	80	19	4,5	3,4	∅ 5,5 mm	0 5206020001 00	19,37
5/16"-24	7,93	90	22	6	4,9	∅ 6,9 mm	0 5206022001 00	20,70
3/8"-24	9,52	90	20	7	5,5	∅ 8,5 mm	0 5206024001 00	21,92
7/16"-20	11,11	100	24	8	6,2	∅ 9,9 mm	0 5206026001 00	28,30
1/2"-20	12,78	100	22	9	7	∅ 11,5 mm	0 5206028001 00	27,81
9/16"-18	14,28	100	22	11	9	∅ 12,9 mm	0 5206030001 00	41,99
5/8"-18	15,87	100	22	12	9	∅ 14,5 mm	0 5206032001 00	37,64
3/4"-16	19,05	110	25	14	11	∅ 17,5 mm	0 5206034001 00	49,61
7/8"-14	22,22	125	25	18	14,5	∅ 20,5 mm	0 5206036001 00	60,57
1"-12	25,40	125	25	18	14,5	∅ 23,25 mm	0 5206038001 00	82,08
1 1/8"-12	28,57	150	28	22	18	∅ 26,5 mm	0 5206040001 00	94,16



VI/67

>> HANDGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.

HAND TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13

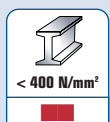

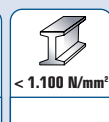
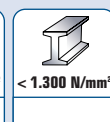
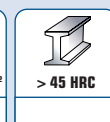
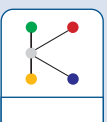
Range of application:

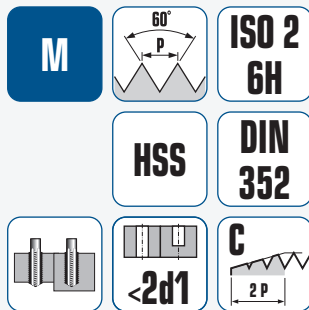
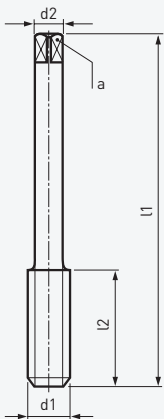
For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to approx. 850 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.

MASCHI A MANO, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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Satz*
Set*
Serie*

Vorschneider
Pilot cutter
Sbozzatore

Mittelschneider
Middle cutter
Intermedio

Fertigschneider
Finishing cutter
Finitore

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4503 Art.-Nr.	€	Code 4503 Art.-Nr.	Code 4503 Art.-Nr.	Code 4503 Art.-Nr.	€
M 2	0,4	36	8	2,8	2,1	Ø 1,6 mm	0 4503008001 00	19,86	0 4503008101 00	0 4503008201 00	0 4503008301 00	6,61
M 2,2	0,45	36	9	2,8	2,1	Ø 1,75 mm	0 4503009001 00	30,39	0 4503009101 00	0 4503009201 00	0 4503009301 00	10,14
M 2,3	0,4	36	9	2,8	2,8	Ø 1,9 mm	0 4503010001 00	30,39	0 4503010101 00	0 4503010201 00	0 4503010301 00	10,14
M 2,5	0,45	40	9	2,8	2,1	Ø 2,05 mm	0 4503011001 00	30,39	0 4503011101 00	0 4503011201 00	0 4503011301 00	10,14
M 2,6	0,45	40	9	2,8	2,1	Ø 2,1 mm	0 4503012001 00	30,39	0 4503012101 00	0 4503012201 00	0 4503012301 00	10,14
M 3	0,5	40	11	3,5	2,7	Ø 2,5 mm	0 4503013001 00	21,22	0 4503013101 00	0 4503013201 00	0 4503013301 00	7,07
M 3,5	0,6	45	13	4	3	Ø 2,9 mm	0 4503014001 00	24,60	0 4503014101 00	0 4503014201 00	0 4503014301 00	8,20
M 4	0,7	45	13	4,5	3,4	Ø 3,3 mm	0 4503015001 00	21,22	0 4503015101 00	0 4503015201 00	0 4503015301 00	7,07
M 4,5	0,75	50	16	6	4,9	Ø 3,7 mm	0 4503016001 00	31,57	0 4503016101 00	0 4503016201 00	0 4503016301 00	10,52
M 5	0,8	50	16	6	4,9	Ø 4,2 mm	0 4503017001 00	21,81	0 4503017101 00	0 4503017201 00	0 4503017301 00	7,26
M 6	1	50	19	6	4,9	Ø 5,0 mm	0 4503019001 00	22,42	0 4503019101 00	0 4503019201 00	0 4503019301 00	7,47
M 7	1	50	19	6	4,9	Ø 6,0 mm	0 4503020001 00	31,01	0 4503020101 00	0 4503020201 00	0 4503020301 00	10,32
M 8	1,25	56	22	6	4,9	Ø 6,8 mm	0 4503021001 00	25,63	0 4503021101 00	0 4503021201 00	0 4503021301 00	8,56
M 9	1,25	63	22	7	5,5	Ø 7,8 mm	0 4503022001 00	41,06	0 4503022101 00	0 4503022201 00	0 4503022301 00	13,68
M 10	1,5	70	24	7	5,5	Ø 8,5 mm	0 4503023001 00	29,05	0 4503023101 00	0 4503023201 00	0 4503023301 00	9,67
M 11	1,5	70	24	8	6,2	Ø 9,5 mm	0 4503024001 00	53,78	0 4503024101 00	0 4503024201 00	0 4503024301 00	17,92
M 12	1,75	75	29	9	7	Ø 10,2 mm	0 4503025001 00	41,94	0 4503025101 00	0 4503025201 00	0 4503025301 00	13,98
M 14	2	80	30	11	9	Ø 12,0 mm	0 4503026001 00	53,22	0 4503026101 00	0 4503026201 00	0 4503026301 00	17,72
M 16	2	80	32	12	9	Ø 14,0 mm	0 4503027001 00	63,90	0 4503027101 00	0 4503027201 00	0 4503027301 00	21,29
M 18	2,5	95	40	14	11	Ø 15,5 mm	0 4503028001 00	93,07	0 4503028101 00	0 4503028201 00	0 4503028301 00	31,08
M 20	2,5	95	40	16	12	Ø 17,5 mm	0 4503029001 00	94,71	0 4503029101 00	0 4503029201 00	0 4503029301 00	31,57
M 22	2,5	100	40	18	14,5	Ø 19,5 mm	0 4503030001 00	116,10	0 4503030101 00	0 4503030201 00	0 4503030301 00	38,72
M 24	3	110	50	18	14,5	Ø 21,0 mm	0 4503031001 00	135,30	0 4503031101 00	0 4503031201 00	0 4503031301 00	43,78

Fortsetzung auf Seite VI/69 | Continued on page VI/69 | Segue a pagina VI/69

* Satz bestehend aus je 1 Stk. Vor-, Mittel- und Fertigschneider

* Set consisting 1 pc. each pilot, middle and finishing cutter


* Serie composta di 1 sbozzatore, 1 intermedio, 1 finitore

>> **HANDGEWINDEBOHRER,
GERADE GENUTET, FÜR
METRISCHES ISO-GEWINDE
DIN 13**

**HAND TAPS, STRAIGHT
FLUTED, FOR METRIC ISO-
THREADS DIN 13**

**MASCHI A MANO,
SCANALATURE DIRITTE, PER
FILETTATURA METRICA ISO,
DIN 13**

Fortsetzung von Seite VI/68 | Continued from page VI/68
Segue da pagina VI/68

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							Satz* Set* Serie*	Vorschneider Pilot cutter Sbozzatore	Mittelschneider Middle cutter Intermedio	Fertigschneider Finishing cutter Finitore		
d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{H12} mm		Code 4503 Art.-Nr.	€	Code 4503 Art.-Nr.	Code 4503 Art.-Nr.	Code 4503 Art.-Nr.	€
M 27	3	110	50	20	16	Ø 24,0 mm	0 4503032001 00	177,80	0 4503032101 00	0 4503032201 00	0 4503032301 00	59,28
M 30	3,5	125	56	22	18	Ø 26,5 mm	0 4503033001 00	220,90	0 4503033101 00	0 4503033201 00	0 4503033301 00	73,66
M 33	3,5	125	56	25	20	Ø 29,5 mm	0 4503034001 00	272,30	0 4503034101 00	0 4503034201 00	0 4503034301 00	90,73
M 36	4	150	63	28	22	Ø 32,0 mm	0 4503035001 00	322,20	0 4503035101 00	0 4503035201 00	0 4503035301 00	107,50
M 39	4	150	63	32	24	Ø 35,0 mm	0 4503036001 00	419,40	0 4503036101 00	0 4503036201 00	0 4503036301 00	139,90
M 42	4,5	150	63	32	24	Ø 37,5 mm	0 4503037001 00	464,00	0 4503037101 00	0 4503037201 00	0 4503037301 00	154,70
M 45	4,5	160	70	36	29	Ø 40,5 mm	0 4503038001 00	541,70	0 4503038101 00	0 4503038201 00	0 4503038301 00	180,60
M 48	5	180	75	36	29	Ø 43,0 mm	0 4503039001 00	611,20	0 4503039101 00	0 4503039201 00	0 4503039301 00	203,80
M 52	5	180	75	40	32	Ø 47,0 mm	0 4503040001 00	736,50	0 4503040101 00	0 4503040201 00	0 4503040301 00	245,40

* Satz bestehend aus je 1 Stk. Vor-, Mittel- und Fertigschneider

* Set consisting 1 pc. each pilot, middle and finishing cutter

* Serie composta di 1 sbozzatore, 1 intermedio, 1 finitore

>> HANDGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13, LINKS

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.

HAND TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13, LEFT HAND






Range of application:

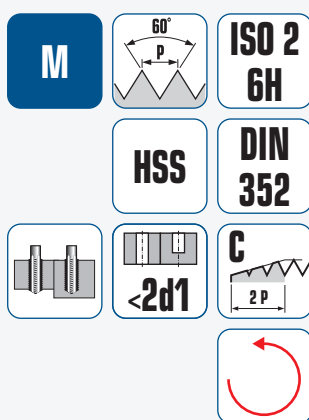
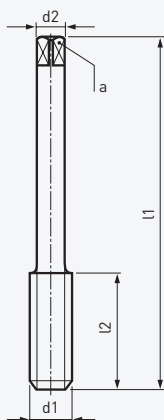
For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.

MASCHI A MANO, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13, SINISTRI

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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blank | bright | lucida




Satz*
Set*
Serie*

Vorschneider
Pilot cutter
Sbozzatore

Mittelschneider
Middle cutter
Intermedio

Fertigschneider
Finishing cutter
Finitore

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4513 Art.-Nr.	€	Code 4513 Art.-Nr.	Code 4513 Art.-Nr.	Code 4513 Art.-Nr.	€
M 2	0,4	36	8	2,8	2,1	Ø 1,6 mm	0 4513008001 00	78,69	0 4513008101 00	0 4513008201 00	0 4513008301 00	26,24
M 3	0,5	40	12	3,5	2,7	Ø 2,5 mm	0 4513013001 00	22,35	0 4513013101 00	0 4513013201 00	0 4513013301 00	7,45
M 4	0,7	45	14	4,5	3,4	Ø 3,3 mm	0 4513015001 00	22,35	0 4513015101 00	0 4513015201 00	0 4513015301 00	7,45
M 5	0,8	50	16	6	4,9	Ø 4,2 mm	0 4513017001 00	22,35	0 4513017101 00	0 4513017201 00	0 4513017301 00	7,45
M 6	1	50	18	6	4,9	Ø 5,0 mm	0 4513019001 00	22,35	0 4513019101 00	0 4513019201 00	0 4513019301 00	7,45
M 8	1,25	56	18	6	4,9	Ø 6,8 mm	0 4513021001 00	23,54	0 4513021101 00	0 4513021201 00	0 4513021301 00	7,84
M 10	1,5	70	23	7	5,5	Ø 8,5 mm	0 4513023001 00	31,59	0 4513023101 00	0 4513023201 00	0 4513023301 00	10,53
M 12	1,75	75	28	9	7	Ø 10,2 mm	0 4513025001 00	40,09	0 4513025101 00	0 4513025201 00	0 4513025301 00	13,37
M 14	2	80	30	11	9	Ø 12,0 mm	0 4513026001 00	47,09	0 4513026101 00	0 4513026201 00	0 4513026301 00	15,70
M 16	2	80	30	12	9	Ø 14,0 mm	0 4513027001 00	58,86	0 4513027101 00	0 4513027201 00	0 4513027301 00	19,62
M 18	2,5	95	35	14	11	Ø 15,5 mm	0 4513028001 00	77,79	0 4513028101 00	0 4513028201 00	0 4513028301 00	25,93
M 20	2,5	95	35	16	12	Ø 17,5 mm	0 4513029001 00	97,16	0 4513029101 00	0 4513029201 00	0 4513029301 00	32,37
M 22	2,5	100	35	18	14,5	Ø 19,5 mm	0 4513030001 00	195,40	0 4513030101 00	0 4513030201 00	0 4513030301 00	65,13
M 24	3	110	38	18	14,5	Ø 21,0 mm	0 4513031001 00	131,90	0 4513031101 00	0 4513031201 00	0 4513031301 00	43,97

* Satz bestehend aus je 1 Stk. Vor-, Mittel- und Fertigschneider
 * Set consisting 1 pc. each pilot, middle and finishing cutter
 * Serie composta di 1 sbozzatore, 1 intermedio, 1 finitore

>> HANDGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-GEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, besonders geeignet für rost- und säurebeständige Stähle sowie legierte und unlegierte Stähle bis ca. 1.000 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.

HAND TAPS, STRAIGHT FLUTED, FOR METRIC ISO-THREADS DIN 13

Range of application:

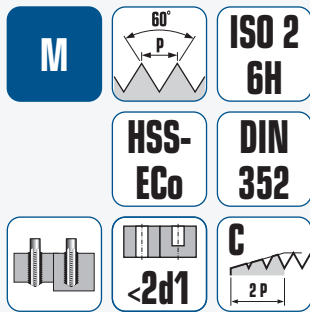
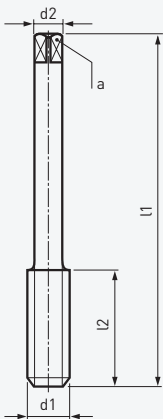
For through hole and blind hole threads, especially suitable for stainless and acid-resistant steels as well as alloyed and unalloyed steels up to appr. 1.000 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.

MASCHI A MANO, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO, DIN 13

Impiego:

Per fori passanti e fori ciechi, particolarmente adatti per acciai inossidabili, acciai resistenti agli acidi, acciai legati e non legati con R fino a 1.000 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.

< 400 N/mm ²	< 850 N/mm ²	< 1.100 N/mm ²	< 1.300 N/mm ²	> 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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vaporisiert | vaporised | vaporizzata



Satz*	Vorschneider	Mittelschneider	Fertigschneider
Set*	Pilot cutter	Middle cutter	Finishing cutter
Serie*	Sbozzatore	Intermedio	Finitore

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4523 Art.-Nr.	€	Code 4523 Art.-Nr.	Code 4523 Art.-Nr.	Code 4523 Art.-Nr.	€
M 3	0,5	40	12	3,5	2,7	Ø 2,5 mm	0 4523013001 00	21,31	0 4523013101 00	0 4523013201 00	0 4523013301 00	7,10
M 4	0,7	45	14	4,5	3,4	Ø 3,3 mm	0 4523015001 00	21,31	0 4523015101 00	0 4523015201 00	0 4523015301 00	7,10
M 5	0,8	50	16	6	4,9	Ø 4,2 mm	0 4523017001 00	28,32	0 4523017101 00	0 4523017201 00	0 4523017301 00	9,44
M 6	1	50	18	6	4,9	Ø 5,0 mm	0 4523019001 00	29,50	0 4523019101 00	0 4523019201 00	0 4523019301 00	9,83
M 8	1,25	56	18	6	4,9	Ø 6,8 mm	0 4523021001 00	33,09	0 4523021101 00	0 4523021201 00	0 4523021301 00	11,03
M 10	1,5	70	23	7	5,5	Ø 8,5 mm	0 4523023001 00	44,87	0 4523023101 00	0 4523023201 00	0 4523023301 00	14,96
M 12	1,75	75	28	9	7	Ø 10,2 mm	0 4523025001 00	54,39	0 4523025101 00	0 4523025201 00	0 4523025301 00	18,12
M 14	2	80	30	11	9	Ø 12,0 mm	0 4523026001 00	58,72	0 4523026101 00	0 4523026201 00	0 4523026301 00	19,58
M 16	2	80	30	12	9	Ø 14,0 mm	0 4523027001 00	77,79	0 4523027101 00	0 4523027201 00	0 4523027301 00	25,93
M 18	2,5	95	35	14	11	Ø 15,5 mm	0 4523028001 00	98,35	0 4523028101 00	0 4523028201 00	0 4523028301 00	32,78
M 20	2,5	95	35	16	12	Ø 17,5 mm	0 4523029001 00	108,40	0 4523029101 00	0 4523029201 00	0 4523029301 00	36,11

* Satz bestehend aus je 1 Stk. Vor-, Mittel- und Fertigschneider
 * Set consisting 1 pc. each pilot, middle and finishing cutter
 * Serie composta di 1 sbozzatore, 1 intermedio, 1 finitore

>> HANDGEWINDEBOHRER, GERADE GENUTET, FÜR METRISCHES ISO-FEINGEWINDE DIN 13

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.

HAND TAPS, STRAIGHT FLUTED, FOR METRIC ISO FINE THREADS DIN 13



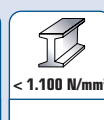
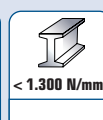
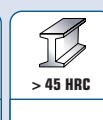
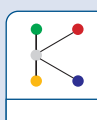
Range of application:

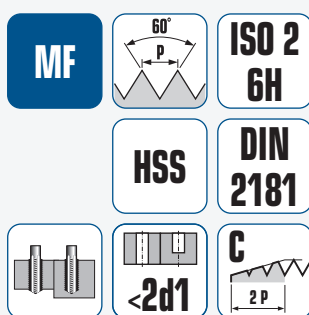
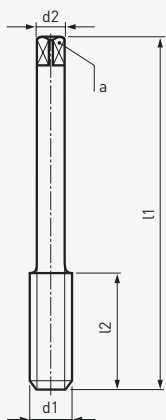
For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.

MASCHI A MANO, SCANALATURE DIRITTE, PER FILETTATURA METRICA ISO FINE, DIN 13

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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blank | bright | lucida



Satz*
Set*
Serie*

Vorschneider
Pilot cutter
Sbozzatore

Fertigschneider
Finishing cutter
Finitore

d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4533 Art.-Nr.	€	Code 4533 Art.-Nr.	Code 4533 Art.-Nr.	€
MF 3	0,35	40	9	3,5	2,7	∅ 2,65 mm	0 4533006001 00	31,57	0 4533006101 00	0 4533006201 00	15,79
MF 4	0,35	45	10	4,5	3,4	∅ 3,65 mm	0 4533008001 00	31,57	0 4533008101 00	0 4533008201 00	15,79
MF 4	0,5	45	10	4,5	3,4	∅ 3,5 mm	0 4533009001 00	21,19	0 4533009101 00	0 4533009201 00	10,59
MF 5	0,5	50	12	6	4,9	∅ 4,5 mm	0 4533011001 00	22,61	0 4533011101 00	0 4533011201 00	11,30
MF 6	0,5	50	14	6	4,9	∅ 5,5 mm	0 4533013001 00	24,44	0 4533013101 00	0 4533013201 00	12,22
MF 6	0,75	50	14	6	4,9	∅ 5,2 mm	0 4533015001 00	22,61	0 4533015101 00	0 4533015201 00	11,30
MF 8	0,75	50	19	6	4,9	∅ 7,2 mm	0 4533017001 00	27,09	0 4533017101 00	0 4533017201 00	13,55
MF 10	0,75	63	20	7	5,5	∅ 9,2 mm	0 4533019001 00	35,05	0 4533019101 00	0 4533019201 00	17,52
MF 14	0,75	70	16	11	9	∅ 13,0 mm	0 4533021001 00	75,02	0 4533021101 00	0 4533021201 00	37,51
MF 8	1	56	22	6	4,9	∅ 7,0 mm	0 4533022001 00	22,61	0 4533022101 00	0 4533022201 00	11,30
MF 10	1	63	20	7	5,5	∅ 9,0 mm	0 4533024001 00	24,83	0 4533024101 00	0 4533024201 00	12,42
MF 12	1	70	22	9	7	∅ 11,0 mm	0 4533026001 00	28,51	0 4533026101 00	0 4533026201 00	14,26
MF 14	1	70	22	11	9	∅ 13,0 mm	0 4533027001 00	41,13	0 4533027101 00	0 4533027201 00	20,56
MF 16	1	70	22	12	9	∅ 15,0 mm	0 4533029001 00	44,21	0 4533029101 00	0 4533029201 00	22,10
MF 18	1	80	22	14	11	∅ 17,0 mm	0 4533030001 00	59,97	0 4533030101 00	0 4533030201 00	29,99
MF 20	1	80	22	16	12	∅ 19,0 mm	0 4533031001 00	64,03	0 4533031101 00	0 4533031201 00	32,02
MF 22	1	80	22	18	14,5	∅ 21,0 mm	0 4533032001 00	75,56	0 4533032101 00	0 4533032201 00	37,78
MF 10	1,25	70	24	7	5,5	∅ 8,8 mm	0 4533037001 00	29,71	0 4533037101 00	0 4533037201 00	14,85
MF 12	1,25	70	22	9	7	∅ 10,8 mm	0 4533038001 00	35,85	0 4533038101 00	0 4533038201 00	17,92
MF 14	1,25	70	22	11	9	∅ 12,8 mm	0 4533039001 00	43,39	0 4533039101 00	0 4533039201 00	21,69
MF 12	1,5	70	22	9	7	∅ 10,5 mm	0 4533040001 00	27,92	0 4533040101 00	0 4533040201 00	13,96
MF 14	1,5	70	22	11	9	∅ 12,5 mm	0 4533041001 00	34,86	0 4533041101 00	0 4533041201 00	17,42
MF 16	1,5	70	22	12	9	∅ 14,5 mm	0 4533043001 00	36,32	0 4533043101 00	0 4533043201 00	18,12

Fortsetzung auf Seite VI/73 | Continued on page VI/73 | Segue a pagina VI/73

* Satz bestehend aus je 1 Stk. Vor- und Fertigschneider

* Set consisting 1 pc. each pilot and finishing cutter

* Serie composta di 1 sbozzatore, 1 finitore

>> **HANDGEWINDEBOHRER,
GERADE GENUTET, FÜR
METRISCHES ISO-
FEINGEWINDE DIN 13**

**HAND TAPS, STRAIGHT
FLUTED, FOR METRIC ISO
FINE THREADS DIN 13**

**MASCHI A MANO,
SCANALATURE DIRITTE, PER
FILETTATURA METRICA ISO
FINE, DIN 13**

Fortsetzung von Seite VI/72 | Continued from page VI/72
Segue da pagina VI/72

							Satz* Set* Serie*		blank bright lucida		
							Vorschneider Pilot cutter Sbozzatore	Fertigschneider Finishing cutter Finitore			
d1 mm	P mm	l1 mm	l2 mm	d2 mm	a _{H12} mm		Code 4533 Art.-Nr.	€	Code 4533 Art.-Nr.	Code 4533 Art.-Nr.	€
MF 18	1,5	80	22	14	11	Ø 16,5 mm	0 4533044001 00	52,77	0 4533044101 00	0 4533044201 00	26,38
MF 20	1,5	80	22	16	12	Ø 18,5 mm	0 4533045001 00	51,38	0 4533045101 00	0 4533045201 00	25,70
MF 22	1,5	80	22	18	14,5	Ø 20,5 mm	0 4533046001 00	66,63	0 4533046101 00	0 4533046201 00	33,34
MF 24	1,5	90	22	18	14,5	Ø 22,5 mm	0 4533047001 00	76,83	0 4533047101 00	0 4533047201 00	38,41
MF 26	1,5	90	22	18	14,5	Ø 24,5 mm	0 4533049001 00	97,07	0 4533049101 00	0 4533049201 00	48,54
MF 27	1,5	90	22	20	16	Ø 25,5 mm	0 4533050001 00	103,60	0 4533050101 00	0 4533050201 00	51,77
MF 28	1,5	90	22	20	16	Ø 26,5 mm	0 4533051001 00	103,60	0 4533051101 00	0 4533051201 00	51,77
MF 30	1,5	90	22	22	18	Ø 28,5 mm	0 4533052001 00	119,60	0 4533052101 00	0 4533052201 00	59,80
MF 35	1,5	100	25	28	22	Ø 33,5 mm	0 4533056001 00	172,70	0 4533056101 00	0 4533056201 00	86,31
MF 36	1,5	100	25	28	22	Ø 34,5 mm	0 4533057001 00	181,00	0 4533057101 00	0 4533057201 00	90,49
MF 40	1,5	110	25	32	24	Ø 38,5 mm	0 4533059001 00	232,90	0 4533059101 00	0 4533059201 00	116,50
MF 18	2	80	22	14	11	Ø 16,0 mm	0 4533065001 00	62,02	0 4533065101 00	0 4533065201 00	31,01
MF 20	2	80	22	16	12	Ø 18,0 mm	0 4533066001 00	64,03	0 4533066101 00	0 4533066201 00	32,02
MF 24	2	90	22	18	14,5	Ø 22,0 mm	0 4533068001 00	78,65	0 4533068101 00	0 4533068201 00	39,36
MF 27	2	90	22	20	16	Ø 25,0 mm	0 4533069001 00	110,30	0 4533069101 00	0 4533069201 00	55,12
MF 30	2	90	22	22	18	Ø 28,0 mm	0 4533070001 00	132,10	0 4533070101 00	0 4533070201 00	65,99

* Satz bestehend aus je 1 Stk. Vor- und Fertigschneider

* Set consisting 1 pc. each pilot and finishing cutter

* Serie composta di 1 sbozzatore, 1 finitore

>> HANDGEWINDEBOHRER, GERADE GENUTET, FÜR WHITWORTH-ROHRGEWINDE DIN ISO 228

Einsatzbereich:

Für Durchgangs- und Grundgewinde, geeignet für legierte und unlegierte Stähle bis ca. 850 N/mm², Stahlguss, Temperguss, Messing, Aluminium und Kupfer.

HAND TAPS, STRAIGHT FLUTED, FOR WHITWORTH PIPE THREADS DIN ISO 228



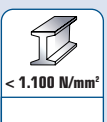
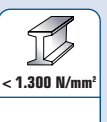
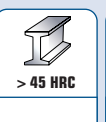
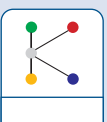
Range of application:

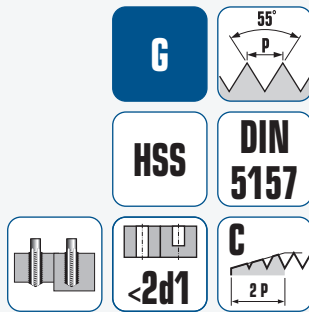
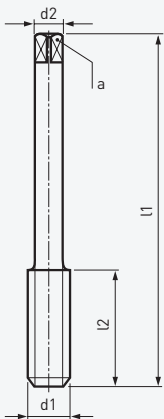
For through hole and blind hole threads, suitable for alloyed and unalloyed steels up to appr. 850 N/mm², cast steels, malleable cast iron, brass, aluminium and copper.

MASCHI A MANO, SCANALATURE DIRITTE, PER FILETTATURA WHITWORTH PER TUBI DIN ISO 228

Impiego:

Per fori passanti e fori ciechi, adatti per acciai legati e non legati con R fino a 850 N/mm², acciaio fuso, ghisa malleabile, ottone, alluminio, rame.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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blank | bright | lucida



Satz*
Set*
Serie*

Vorschneider
Pilot cutter
Sbozzatore

Fertigschneider
Finishing cutter
Finitore

d1 inch	P/1" mm	l1 mm	l2 mm	d2 mm	a _{h12} mm		Code 4573 Art.-Nr.	€	Code 4573 Art.-Nr.	Code 4573 Art.-Nr.	€
G 1/8"	28	63	20	7	5,5	Ø 8,8 mm	0 4573016001 00	36,26	0 4573016101 00	0 4573016201 00	18,11
G 1/4"	19	70	22	11	9	Ø 11,8 mm	0 4573020001 00	47,90	0 4573020101 00	0 4573020201 00	23,94
G 3/8"	19	70	22	12	9	Ø 15,25 mm	0 4573024001 00	57,44	0 4573024101 00	0 4573024201 00	28,72
G 1/2"	14	80	22	16	12	Ø 19,0 mm	0 4573028001 00	82,95	0 4573028101 00	0 4573028201 00	41,50
G 5/8"	14	80	22	18	14,5	Ø 21,0 mm	0 4573032001 00	100,80	0 4573032101 00	0 4573032201 00	50,37
G 3/4"	14	90	22	20	16	Ø 24,5 mm	0 4573034001 00	122,10	0 4573034101 00	0 4573034201 00	61,06
G 7/8"	14	90	22	22	18	Ø 28,25 mm	0 4573036001 00	161,30	0 4573036101 00	0 4573036201 00	80,61
G 1"	11	100	25	25	20	Ø 30,75 mm	0 4573038001 00	198,80	0 4573038101 00	0 4573038201 00	99,40
G 1 1/8"	11	125	40	28	22	Ø 35,5 mm	0 4573040001 00	301,00	0 4573040101 00	0 4573040201 00	150,50
G 1 1/4"	11	125	40	32	24	Ø 39,5 mm	0 4573042001 00	324,80	0 4573042101 00	0 4573042201 00	162,40
G 1 3/8"	11	125	40	36	29	Ø 42,0 mm	0 4573044001 00	400,20	0 4573044101 00	0 4573044201 00	200,10
G 1 1/2"	11	140	40	36	29	Ø 45,0 mm	0 4573046001 00	412,40	0 4573046101 00	0 4573046201 00	206,20
G 1 3/4"	11	140	40	40	32	Ø 51,0 mm	0 4573048001 00	542,90	0 4573048101 00	0 4573048201 00	271,50
G 2"	11	160	40	45	35	Ø 57,0 mm	0 4573050001 00	612,00	0 4573050101 00	0 4573050201 00	306,00

* Satz bestehend aus je 1 Stk. Vor- und Fertigschneider

* Set consisting 1 pc. each pilot and finishing cutter

* Serie composta di 1 sbozzatore, 1 finitore

>> SCHNEIDEISEN FÜR METRISCHES ISO-GEWINDE DIN 13







DIES FOR METRIC ISO-THREADS DIN 13

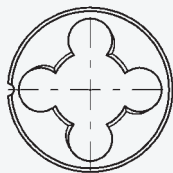
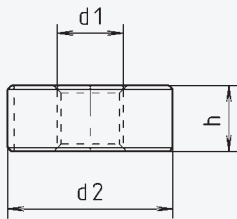
FILIERE PER FILETTATURA METRICA ISO, DIN 13

Schneideisen mit Schälanschnitt.

Dies with spiral point.

Filiere, imbocco corretto.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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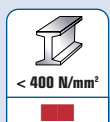

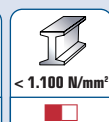
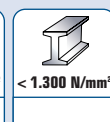
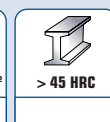
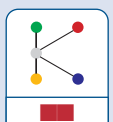
d1 mm	P mm	d2 mm	h mm	Code 5553 Art.-Nr.	€
M 2	0,4	16	5	0 5553002001 00	14,21
M 2,2	0,45	16	5	0 5553002201 00	13,97
M 2,3	0,4	16	5	0 5553002301 00	17,84
M 2,5	0,45	16	5	0 5553002501 00	13,77
M 2,6	0,45	16	5	0 5553002601 00	17,25
M 3	0,5	20	5	0 5553003001 00	12,41
M 3,5	0,6	20	5	0 5553003501 00	12,41
M 4	0,7	20	5	0 5553004001 00	11,88
M 4,5	0,75	20	7	0 5553004501 00	18,20
M 5	0,8	20	7	0 5553005001 00	11,88
M 6	1	20	7	0 5553006001 00	11,88
M 7	1	25	9	0 5553007001 00	13,35
M 8	1,25	25	9	0 5553008001 00	12,18
M 9	1,25	25	9	0 5553009001 00	14,21
M 10	1,5	30	11	0 5553010001 00	14,21
M 11	1,5	30	11	0 5553011001 00	20,14
M 12	1,75	38	14	0 5553012001 00	20,14
M 14	2	38	14	0 5553014001 00	15,86
M 16	2	45	18	0 5553016001 00	29,50
M 18	2,5	45	18	0 5553018001 00	29,91
M 20	2,5	45	18	0 5553020001 00	31,04
M 22	2,5	55	22	0 5553022001 00	43,49
M 24	3	55	22	0 5553024001 00	48,59
M 27	3	65	25	0 5553027001 00	61,14
M 30	3,5	65	25	0 5553030001 00	64,87

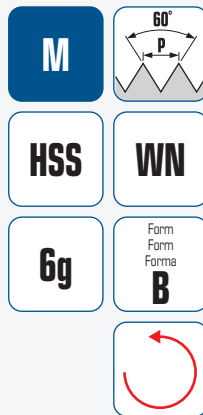
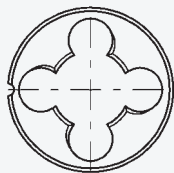
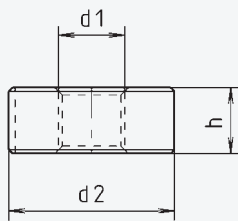


>> **SCHNEIDEISEN FÜR
METRISCHES ISO-GEWINDE
DIN 13, LINKS**

**DIES FOR METRIC ISO-
THREADS DIN 13, LEFT HAND**

**FILIERE PER FILETTATURA
METRICA ISO, DIN 13
FILETTATURA SINISTRA**

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	d2 mm	h mm	Code 5554 Art.-Nr.	€
M 3	0,5	20	5	0 5554003001 00	18,05
M 3,5	0,6	20	5	0 5554003501 00	23,50
M 4	0,7	20	5	0 5554004001 00	18,05
M 4,5	0,75	20	7	0 5554004501 00	27,30
M 5	0,8	20	7	0 5554005001 00	18,05
M 6	1	20	7	0 5554006001 00	18,05
M 7	1	25	9	0 5554007001 00	19,50
M 8	1,25	25	9	0 5554008001 00	27,85
M 9	1,25	25	9	0 5554009001 00	39,15
M 10	1,5	30	11	0 5554010001 00	42,61
M 11	1,5	30	11	0 5554011001 00	55,16
M 12	1,75	38	14	0 5554012001 00	55,16
M 14	2	38	14	0 5554014001 00	55,16
M 16	2	45	18	0 5554016001 00	55,16
M 18	2,5	45	18	0 5554018001 00	55,16
M 20	2,5	45	18	0 5554020001 00	55,16
M 22	2,5	55	22	0 5554022001 00	82,70
M 24	3	55	22	0 5554024001 00	82,70



>> SCHNEIDEISEN FÜR METRISCHES ISO-FEINGEWINDE DIN 13







DIES FOR METRIC ISO FINE THREADS DIN 13

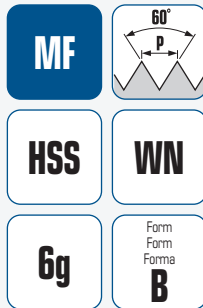
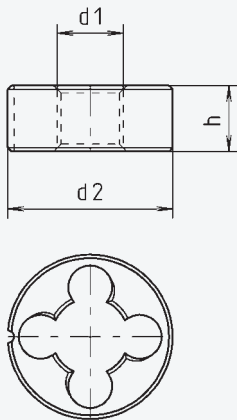
FILIERE PER FILETTATURA METRICA ISO FINE, DIN 13

Schneideisen mit Schälanschnitt.

Dies with spiral point.

Filiere, imbocco corretto.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 mm	P mm	d2 mm	h mm	Code 5613 Art.-Nr.	€
MF 3	0,35	20	5	0 5613006001 00	19,90
MF 4	0,35	20	5	0 5613008001 00	21,15
MF 4	0,5	20	5	0 5613009001 00	15,47
MF 5	0,5	20	5	0 5613011001 00	15,38
MF 6	0,5	20	5	0 5613013001 00	19,84
MF 8	0,5	25	9	0 5613014001 00	19,84
MF 6	0,75	20	7	0 5613015001 00	15,38
MF 7	0,75	25	9	0 5613016001 00	22,09
MF 8	0,75	25	9	0 5613017001 00	15,38
MF 10	0,75	30	11	0 5613019001 00	26,89
MF 8	1	25	9	0 5613022001 00	15,38
MF 9	1	25	9	0 5613023001 00	18,33
MF 10	1	30	11	0 5613024001 00	18,33
MF 11	1	30	11	0 5613025001 00	26,18
MF 12	1	38	10	0 5613026001 00	26,18
MF 14	1	38	10	0 5613027001 00	27,25
MF 16	1	45	14	0 5613029001 00	38,39
MF 18	1	45	14	0 5613030001 00	38,81
MF 20	1	45	14	0 5613031001 00	40,41
MF 22	1	55	16	0 5613032001 00	40,41
MF 10	1,25	30	11	0 5613037001 00	18,33
MF 12	1,25	38	10	0 5613038001 00	26,18
MF 14	1,25	38	10	0 5613039001 00	27,25
MF 12	1,5	38	10	0 5613040001 00	26,18
MF 14	1,5	38	10	0 5613041001 00	27,25



Fortsetzung auf Seite VI/78 | Continued on page VI/78 | Segue a pagina VI/78

>> SCHNEIDEISEN FÜR METRISCHES ISO- FEINGEWINDE DIN 13

DIES FOR METRIC ISO FINE THREADS DIN 13

FILIERE PER FILETTATURA METRICA ISO FINE, DIN 13

Fortsetzung von Seite VI/77 | Continued from page VI/77
Segue da pagina VI/77

				blank bright lucida	
d1 mm	P mm	d2 mm	h mm	Code 5613 Art.-Nr.	€
MF 16	1,5	45	14	0 5613043001 00	38,39
MF 18	1,5	45	14	0 5613044001 00	38,81
MF 20	1,5	45	14	0 5613045001 00	40,41
MF 22	1,5	55	16	0 5613046001 00	56,39
MF 24	1,5	55	16	0 5613047001 00	63,16
MF 26	1,5	55	16	0 5613049001 00	63,16
MF 27	1,5	65	18	0 5613050001 00	79,37
MF 28	1,5	65	18	0 5613051001 00	79,37
MF 30	1,5	65	18	0 5613052001 00	84,37
MF 20	2	45	14	0 5613066001 00	40,41
MF 24	2	55	16	0 5613068001 00	63,16
MF 27	2	65	18	0 5613069001 00	79,37
MF 30	2	65	18	0 5613070001 00	84,37
MF 33	2	65	18	0 5613071001 00	87,56
MF 36	2	65	18	0 5613072001 00	91,18



>> SCHNEIDEISEN FÜR WHITWORTH-ROHRGEWINDE DIN ISO 228

DIES FOR WHITWORTH PIPE THREADS DIN ISO 228

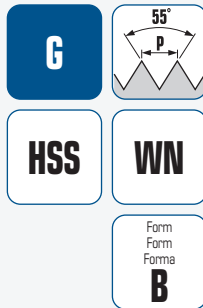
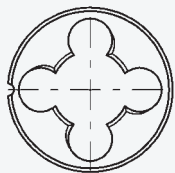
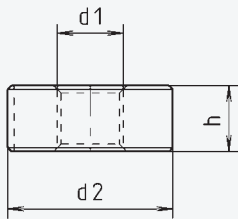
FILIERE PER FILETTATURA WHITWORTH PER TUBI DIN ISO 228

Schneideisen mit Schälanschnitt.

Dies with spiral point.

Filiere, imbocco corretto.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	d1 mm	P/1" ∩	d2 mm	h mm	Code 5673 Art.-Nr.	€
G 1/8"	9,73	28	30	11	0 5673016001 00	13,34
G 1/4"	13,16	19	38	10	0 5673020001 00	18,03
G 3/8"	16,66	19	45	14	0 5673024001 00	26,42
G 1/2"	20,96	14	45	14	0 5673028001 00	26,42
G 5/8"	22,91	14	55	16	0 5673032001 00	37,75
G 3/4"	26,44	14	55	16	0 5673034001 00	39,33
G 7/8"	30,20	14	65	18	0 5673036001 00	51,01
G 1"	33,25	11	65	18	0 5673038001 00	52,08
G 1 1/8"	37,90	11	75	20	0 5673040001 00	67,19
G 1 1/4"	41,91	11	75	20	0 5673042001 00	67,19
G 1 3/8"	44,32	11	90	22	0 5673044001 00	108,70
G 1 1/2"	47,80	11	90	22	0 5673046001 00	108,70
G 1 3/4"	53,75	11	105	22	0 5673048001 00	124,30
G 2"	59,61	11	105	22	0 5673050001 00	133,40



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>> SCHNEIDEISEN FÜR WHITWORTH-GEWINDE BSW, DIN 11



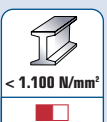
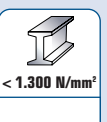
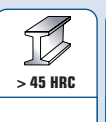
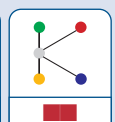
Schneideisen mit Schälanschnitt.

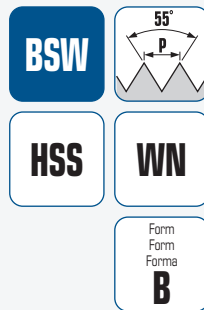
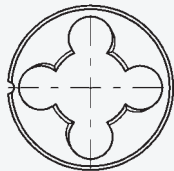
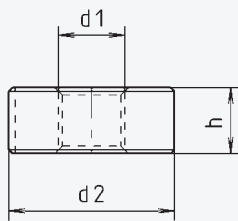
DIES FOR WHITWORTH THREADS BSW, DIN 11

Dies with spiral point.

FILIERE PER FILETTATURA WHITWORTH BSW, DIN 11

Filiere, imbocco corretto.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	d1 mm	P/1" ∨∨	d2 mm	h mm	Code 5653 Art.-Nr.	€
W 3/32"	2,38	48	16	5	0 5653015001 00	10,17
W 1/8"	3,18	40	20	5	0 5653016001 00	7,31
W 3/16"	4,76	24	20	7	0 5653018001 00	7,74
W 1/4"	6,35	20	20	7	0 5653020001 00	7,31
W 5/16"	7,94	18	25	9	0 5653022001 00	7,85
W 3/8"	9,53	16	30	11	0 5653024001 00	9,54
W 7/16"	11,11	14	30	11	0 5653026001 00	10,17
W 1/2"	12,7	12	38	14	0 5653028001 00	11,66
W 9/16"	14,29	12	38	14	0 5653030001 00	15,57
W 5/8"	15,88	11	45	18	0 5653032001 00	23,20
W 3/4"	19,05	10	45	18	0 5653034001 00	23,20
W 7/8"	22,23	9	55	22	0 5653036001 00	38,57
W 1"	25,4	8	55	22	0 5653038001 00	39,11



>> SCHNEIDEISEN FÜR UNIFIED GROBGEWINDE UNC ANSI B 1.1







DIES FOR UNIFIED COARSE THREADS UNC ANSI B 1.1

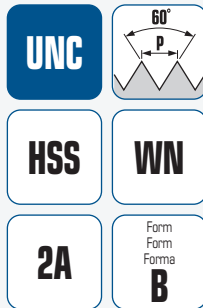
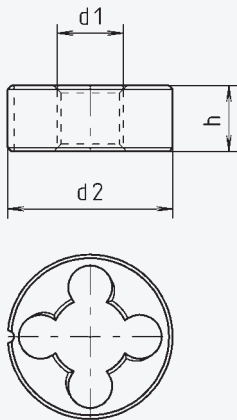
FILIERE PER FILETTATURA AMERICANA UNC GROSSA ANSI 1.1

Schneideisen mit Schälanschnitt.

Dies with spiral point.

Filiere, imbocco corretto.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAUGUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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d1 inch	d1 mm	P/1" ▽▽	d2 mm	h mm	Code 5753 Art.-Nr.	€
Nr. 1	1,85	64	16	5	0 5753001001 00	39,35
Nr. 2	2,18	56	16	5	0 5753002001 00	39,35
Nr. 3	2,52	48	16	5	0 5753003001 00	39,35
Nr. 4	2,85	40	16	5	0 5753004001 00	10,16
Nr. 5	3,18	40	20	5	0 5753005001 00	10,16
Nr. 6	3,51	32	20	7	0 5753006001 00	10,16
Nr. 8	4,17	32	20	7	0 5753008001 00	10,16
Nr. 10	4,83	24	20	7	0 5753010001 00	10,16
Nr. 12	5,49	24	20	7	0 5753012001 00	10,16
1/4"	6,35	20	20	7	0 5753020001 00	9,99
5/16"	7,94	18	25	9	0 5753022001 00	11,01
3/8"	9,53	16	30	11	0 5753024001 00	14,17
7/16"	11,11	14	30	11	0 5753026001 00	13,27
1/2"	12,7	13	38	14	0 5753028001 00	20,39
9/16"	14,29	12	38	14	0 5753030001 00	18,15
5/8"	15,88	11	45	18	0 5753032001 00	22,43
3/4"	19,05	10	45	18	0 5753034001 00	28,25
7/8"	22,23	9	55	22	0 5753036001 00	40,99
1"	25,4	8	55	22	0 5753038001 00	44,16



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>> SCHNEIDEISEN FÜR UNIFIED FEINGEWINDE UNF ANSI B 1.1

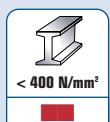

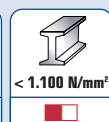
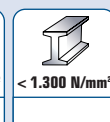
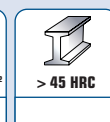
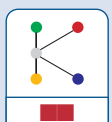
Schneideisen mit Schälanschnitt.

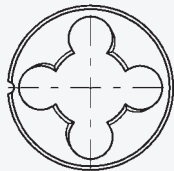
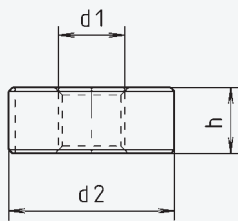
DIES FOR UNIFIED FINE THREADS UNF ANSI B 1.1

Dies with spiral point.

FILIERE PER FILETTATURA AMERICANA UNF FINE ANSI B 1.1

Filiere, imbocco corretto.

 < 400 N/mm ²	 < 850 N/mm ²	 < 1.100 N/mm ²	 < 1.300 N/mm ²	 > 45 HRC	INOX < 850 N/mm ²	INOX > 850 N/mm ²	GRAU GUSS CAST IRON GHISA GRIGIA	Ti	Cu, Ms	Al	
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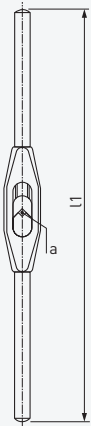
	d1 inch	d1 mm	P/1" ∩∩	d2 mm	h mm	Code 5773 Art.-Nr.	€
Nr. 1		1,85	72	16	5	0 5773001001 00	39,35
Nr. 2		2,18	64	16	5	0 5773002001 00	39,35
Nr. 3		2,52	56	16	5	0 5773003001 00	39,35
Nr. 4		2,85	48	16	5	0 5773004001 00	11,44
Nr. 5		3,18	44	20	5	0 5773005001 00	11,24
Nr. 6		3,51	40	20	5	0 5773006001 00	11,24
Nr. 8		4,17	36	20	7	0 5773008001 00	11,24
Nr. 10		4,83	32	20	7	0 5773010001 00	11,24
Nr. 12		5,49	28	20	7	0 5773012001 00	11,24
1/4"		6,35	28	20	7	0 5773020001 00	11,24
5/16"		7,94	24	25	9	0 5773022001 00	12,90
3/8"		9,53	24	30	11	0 5773024001 00	15,50
7/16"		11,11	20	30	11	0 5773026001 00	14,51
1/2"		12,7	20	38	10	0 5773028001 00	23,99
9/16"		14,29	18	38	10	0 5773030001 00	22,46
5/8"		15,88	18	45	14	0 5773032001 00	28,44
3/4"		19,05	16	45	14	0 5773034001 00	29,15
7/8"		22,23	14	55	16	0 5773036001 00	45,62
1"		25,4	12	55	16	0 5773038001 00	47,69
1 1/8"		28,58	12	65	18	0 5773040001 00	127,10



>> WINDEISEN,
VERSTELLBAR

TAP WRENCHES,
ADJUSTABLE

GIRAMASCHIO,
REGOLABILE



**DIN
1814**



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VI/83

Nr. No.	a	l1 mm	Code 5430 Art.-Nr.	€
1	M1-M10	180	0 5430000101 00	10,75
2	M4-M12	280	0 5430000201 00	17,46
3	M5-M20	380	0 5430000301 00	28,31
4	M11-M27	500	0 5430000401 00	45,80
5	M14-M33	750	0 5430000501 00	66,50

>> **SCHNEIDEISENHALTER
FÜR RUNDE GESCHLITZTE
SCHNEIDEISEN OHNE KAPSEL**

**DIE STOCKS FOR SPLIT
ROUND DIES WITHOUT DIE
INSERT**

**PORTAFILIERA PER FILIERE
TONDE**






**DIN EN
22568**

**DIN EN
24231**



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Nr. No.	d2° mm	h° mm				Code 5440 Art.-Nr.	€
1	16	5	≤ M 2,6	M 2,6 x 0,25	3/32"	0 5440016501 00	6,50
2	20	5	≤ M 4	M 6 x 0,5	5/32"	0 5440020501 00	5,11
3	20	7	≤ M 6	M 6 x 0,75	1/4"	0 5440020701 00	5,11
4	25	9	≤ M 9	M 9 x 1	5/16"	0 5440025901 00	5,60
5	30	11	≤ M 11	M 11 x 1	7/16", G 1/8"	0 5440030101 00	9,35
6	38	10		M 15 x 1,5	G 1/4"	0 5440038101 00	13,19
7	38	14	≤ M 14		9/16"	0 5440038401 00	13,19
8	45	14		M 20 x 2	G 1/2"	0 5440045101 00	22,15
9	45	18	≤ M 20		13/16"	0 5440045801 00	20,74
10	55	16		M 26 x 2	G 3/4"	0 5440055101 00	28,25
11	55	22	≤ M 24		1"	0 5440055201 00	28,25
12	65	25	≤ M 36	M 36 x 3	1 3/8"	0 5440065201 00	42,50

* Angaben von Schneideisen | Data of dies | Dati relativi alle filiere

