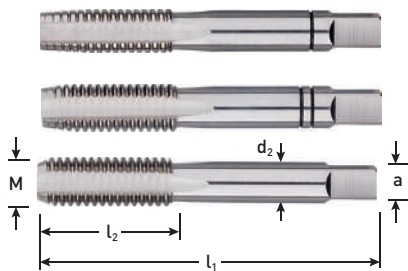


ROTEC®



Taps, dies and
threaded inserts

Execution: HSS hand tap sets, DIN 352, metric thread [M].
Sets of 3 pieces consisting of 1x plug tap, second tap en taper tap.



M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
2	0,4	36	8	2,8	2,1	1	300.0200	25,78
3	0,5	40	11	3,5	2,7	1	300.0300	10,04
3,5	0,6	45	13	4,0	3,0	1	300.0350	23,14
4	0,7	45	13	4,5	3,4	1	300.0400	10,74
4,5	0,75	50	16	6,0	4,9	1	300.0450	22,21
5	0,8	50	16	6,0	4,9	1	300.0500	11,47
6	1,0	50	19	6,0	4,9	1	300.0600	11,47
7	1,0	50	19	6,0	4,9	1	300.0700	26,51
8	1,25	56	22	6,0	4,9	1	300.0800	15,05
9	1,25	63	22	7,0	5,5	1	300.0900	37,03
10	1,5	70	24	7,0	5,5	1	300.1000	18,27
11	1,5	70	24	8,0	6,2	1	300.1100	49,60
12	1,75	75	29	9,0	7,0	1	300.1200	22,92
14	2,0	80	30	11,0	9,0	1	300.1400	28,30

M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
16	2,0	80	32	12,0	9,0	1	300.1600	36,52
18	2,5	95	40	14,0	11,0	1	300.1800	50,49
20	2,5	95	40	16,0	12,0	1	300.2000	54,09
22	2,5	100	40	18,0	14,5	1	300.2200	73,04
24	3,0	110	50	18,0	14,5	1	300.2400	85,97
27	3,0	110	50	20,0	16,0	1	300.2700	206,11
30	3,5	125	56	22,0	18,0	1	300.3000	268,56
33	3,5	125	56	25,0	20,0	1	300.3300	356,91
36	4,0	150	63	28,0	22,0	1	300.3600	399,03
39	4,0	150	63	32,0	24,0	1	300.3900	515,42
42	4,5	150	63	32,0	24,0	1	300.4200	582,26
45	4,5	160	70	36,0	29,0	1	300.4500	706,61
48	5,0	180	75	36,0	29,0	1	300.4800	997,59
52	5,0	180	75	40,0	32,0	1	300.5200	997,59

HSS Hand tap set, metric [M], in ABS-cassette



Execution: HSS hand tap sets, DIN 352, metric thread [M].
Each tap size is a set of 3 pieces consisting of 1x plug tap, second tap en taper tap.

Description	Type	Content	pcs/PU	Item no.	€ / PU
21 piece (7x3) hand tap set	300	1x hand tap set M3 - M4 - M5 - M6 - M8 - M10 and M12	1	900.2000	134,01

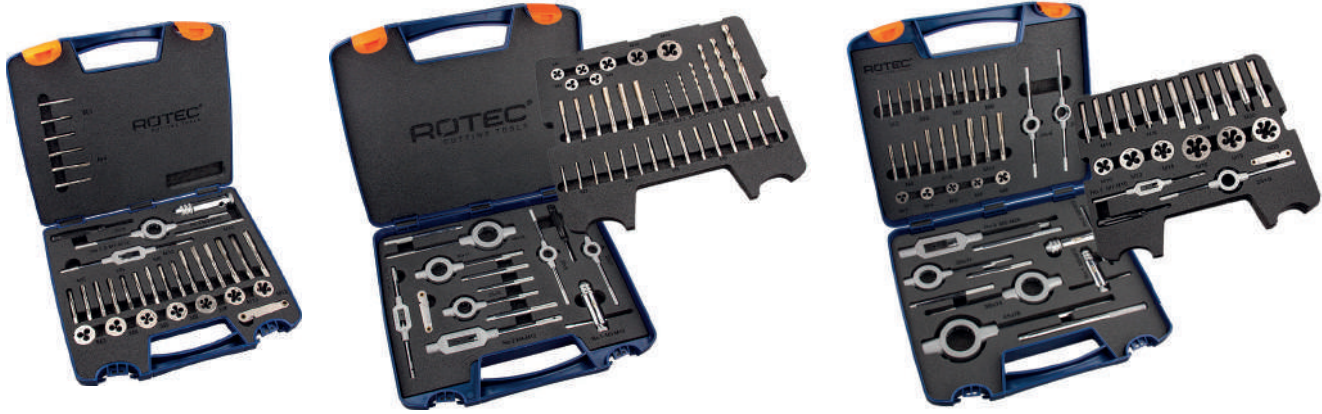
HSS Hand tap and drill bit set, metric [M], in ABS-cassette



Execution: HSS hand tap sets, DIN 352, metric thread [M] with matching pre-tap drill bits.
Each tap size is a set of 3 pieces consisting of 1x plug tap, second tap en taper tap.

Description	Type	Content	pcs/PU	Item no.	€ / PU
28 piece hand tap and drill bit set	300	1x hand tap set M3 - M4 - M5 - M6 - M8 - M10 and M12	1	900.2002K	160,33
	101	1x jobber drill bit ø2,5 - 3,3 - 4,2 - 5,0 - 6,8 - 8,5 and 10,2			

Hand tap and die set, metric [M], in plastic case



Description	Content	pcs/PU	Item no.	€ / PU
33 piece hand tap and die set	1x tap sets (3 pc/set) M3, M4, M5, M6, M8, M10 and M12 1x thread dies M3, M4, M5, M6, M8, M10 and M12 1x ratcheting tap wrench, size Nr. 1 1x die stock, size ø25x9 1x tapping wrench, size Nr. 1½ 1x thread gauge (metric) 1x screwdriver	1	900.2010K	215,12
45 piece hand tap, die and drill bit set	1x tap set (3 pc/set) M3, M4, M5, M6, M8, M10 and M12 1x thread die M3, M4, M5, M6, M8, M10 and M12 1x HSS jobber drill bit ø2.5, ø3.3, ø4.2, ø5.0, ø6.8, ø8.5 and ø10.2mm 1x die stock, size ø20x5, ø20x7, ø25x9, ø30x11 and ø38x14 1x tap wrench, size Nr. 1 and 2 1x thread gauge (metric) 1x ratcheting tap wrench, size Nr. 1 1x screwdriver	1	900.2020K	254,65
55 piece hand tap and die set	1x tap sets (3 pc/set) M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20 1x thread dies M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20 1x tap wrench, size Nr. 1 and 3 1x ratcheting tap wrench, size Nr. 1 and 2 1x die stock ø20x5, ø20x7, ø25x9, ø30x11, ø38x14, ø45x18 1x thread gauge (metric) 1x screwdriver	1	900.2022K	589,68

Threading set, metric [M], in plastic case



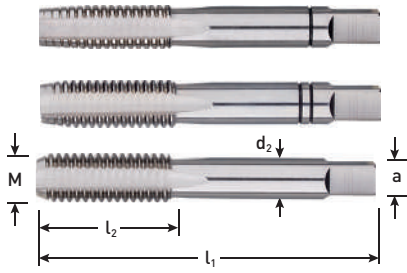
Description	Content	pcs/PU	Item no.	€ / PU
26 piece hand tap and die set	1x tap M3, M4, M5, M6, M8, M10 and M12 1x thread dies M3, M4, M5, M6, M8, M10 and M12 1x HSS jobber drill bit ø2.5, ø3.3, ø4.2, ø5.0, ø6.8, ø8.5 and ø10.2mm 1x die stock, size ø25x9 1x tap wrench, size Nr.2 1x ratcheting tap wrench, size Nr.1 1x thread gauge (metric) 1x screwdriver	1	900.2026	170,84

301

HSS-E Hand tap set, metric [M]

Execution: HSS-E hand tap sets, according to DIN 352, metric thread, sets of 3 taps. More wear resistant than HSS, therefore longer tool life.

Application: The alloyed base material allows machining of more difficult to machine materials such as high tensile steel and stainless steel.



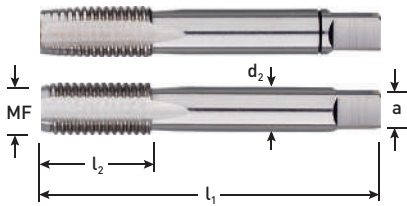
M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
3	0,5	40	11	3,5	2,7	1	301.0300	28,94
4	0,7	45	13	4,5	3,4	1	301.0400	31,07
5	0,8	50	16	6,0	4,9	1	301.0500	31,07
6	1,0	50	19	6,0	4,9	1	301.0600	33,22
8	1,25	56	22	6,0	4,9	1	301.0800	37,50
10	1,5	70	24	7,0	5,5	1	301.1000	52,51
12	1,75	75	29	9,0	7,0	1	301.1200	63,22
14	2,0	80	30	11,0	9,0	1	301.1400	89,99

M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
16	2,0	80	32	12,0	9,0	1	301.1600	132,86
18	2,5	95	40	14,0	11,0	1	301.1800	152,41
20	2,5	95	40	16,0	12,0	1	301.2000	165,71
22	2,5	100	40	18,0	14,5	1	301.2200	213,26
24	3,0	110	50	18,0	14,5	1	301.2400	285,46
27	3,0	110	50	20,0	16,0	1	301.2700	507,94
30	3,5	125	56	22,0	18,0	1	301.3000	587,55

305

HSS Hand tap set, metric fine [MF]

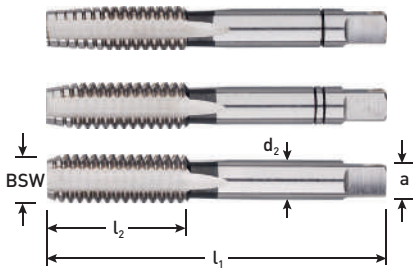
Execution: HSS hand tap sets according to DIN 2181, metric fine thread, sets of 2 taps.



MF	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
3	0,35	40	9	3,5	2,7	1	305.0303	32,28
4	0,35	45	10	4,5	3,4	1	305.0403	32,28
4	0,5	45	10	4,5	3,4	1	305.0405	33,64
5	0,5	50	12	6,0	4,9	1	305.0505	32,28
6	0,5	50	14	6,0	4,9	1	305.0605	32,28
6	0,75	50	14	6,0	4,9	1	305.0607	30,27
8	0,5	50	19	6,0	4,9	1	305.0805	30,27
8	0,75	50	19	6,0	4,9	1	305.0807	26,41
8	1,0	56	22	6,0	4,9	1	305.0810	26,41
10	0,75	63	20	7,0	5,5	1	305.1007	32,28
10	1,0	63	20	7,0	5,5	1	305.1010	26,41
10	1,25	70	24	7,0	5,5	1	305.1012	29,34
12	0,75	70	22	9,0	7,0	1	305.1207	41,95
12	1,0	70	22	9,0	7,0	1	305.1210	38,15
12	1,25	70	22	9,0	7,0	1	305.1212	38,15
12	1,5	70	22	9,0	7,0	1	305.1215	35,21
14	1,0	70	22	11,0	9,0	1	305.1410	64,55
14	1,25	70	22	11,0	9,0	1	305.1412	44,27

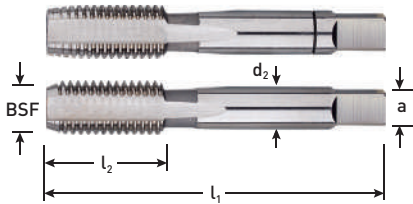
MF	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
14	1,5	70	22	11,0	9,0	1	305.1415	38,15
16	1,0	70	22	12,0	9,0	1	305.1610	71,59
16	1,5	70	22	12,0	9,0	1	305.1615	46,95
18	1,0	80	22	14,0	11,0	1	305.1810	80,71
18	1,5	80	22	14,0	11,0	1	305.1815	53,35
18	2,0	80	22	14,0	11,0	1	305.1820	77,46
20	1,0	80	22	16,0	12,0	1	305.2010	97,42
20	1,5	80	22	16,0	12,0	1	305.2015	65,08
20	2,0	80	22	16,0	12,0	1	305.2020	97,42
22	1,5	80	22	18,0	14,5	1	305.2215	91,75
22	2,0	80	22	18,0	14,5	1	305.2220	100,92
24	1,5	90	22	18,0	14,5	1	305.2415	104,87
24	2,0	90	22	18,0	14,5	1	305.2420	134,96
25	1,5	90	22	18,0	14,5	1	305.2515	207,89
27	1,5	90	22	20,0	16,0	1	305.2715	199,51
27	2,0	90	22	20,0	16,0	1	305.2720	234,73
30	1,5	90	22	22,0	18,0	1	305.3015	275,80
30	2,0	90	22	22,0	18,0	1	305.3020	287,38

Execution: HSS hand tap sets according to DIN 352, BSW thread, sets of 3 taps.



BSW	P	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
3/32	48	36	10	2,8	2,1	1	306.0002	35,20
1/8	40	40	12	3,5	2,7	1	306.0004	32,55
5/32	32	45	14	4,5	3,4	1	306.0006	31,24
3/16	24	50	18	6,0	4,9	1	306.0008	31,24
7/32	24	50	18	6,0	4,9	1	306.0010	32,55
1/4	20	50	19	6,0	4,9	1	306.0012	32,55
5/16	18	56	22	6,0	4,9	1	306.0014	34,33
3/8	16	70	24	7,0	5,5	1	306.0016	40,37
7/16	14	70	24	8,0	6,2	1	306.0018	48,41
1/2	12	75	29	9,0	7,0	1	306.0020	58,08
9/16	12	80	30	11,0	9,0	1	306.0022	75,69
5/8	11	80	32	12,0	9,0	1	306.0024	86,27
3/4	10	95	40	14,0	11,0	1	306.0026	114,43
7/8	9	100	40	18,0	14,5	1	306.0028	160,50
1	8	110	50	18,0	14,5	1	306.0030	176,04

Execution: HSS hand tap sets according to DIN 2181, BSF thread, sets of 2 taps.

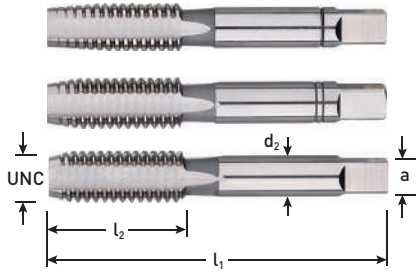


BSF	P	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
3/16	32	50	14	6,0	4,9	1	306.1010	26,31
1/4	26	50	18	6,0	4,9	1	306.1014	25,25
5/16	22	56	22	6,0	4,9	1	306.1016	27,74
3/8	20	63	22	7,0	5,5	1	306.1018	32,59
7/16	18	63	22	8,0	6,2	1	306.1020	39,12
1/2	16	75	24	9,0	7,0	1	306.1022	46,95
9/16	15	80	28	11,0	9,0	1	306.1024	61,17
5/8	14	80	28	12,0	9,0	1	306.1026	69,70
3/4	12	95	32	14,0	11,0	1	306.1030	92,46
7/8	11	100	36	18,0	14,5	1	306.1034	124,48
1	10	110	40	18,0	14,5	1	306.1038	142,25

307

HSS Hand tap set, Unified National Coarse [UNC]

Execution: HSS hand tap sets according to DIN 352, UNC thread, sets of 3 taps.

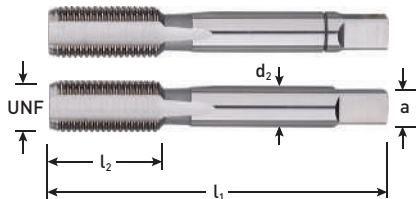


UNC	P	l_1	l_2	d_2	a	pcs/PU	Item no.	€ / PU
1/4	20	50	19	6,0	4,9	1	307.0014	31,56
5/16	18	56	22	6,0	4,9	1	307.0016	36,14
3/8	16	70	24	7,0	5,5	1	307.0018	40,76
7/16	14	70	24	8,0	6,2	1	307.0020	50,95
1/2	13	75	29	9,0	7,0	1	307.0022	58,69
9/16	12	80	30	11,0	9,0	1	307.0024	79,67
5/8	11	80	32	12,0	9,0	1	307.0026	90,79
3/4	10	95	40	14,0	11,0	1	307.0028	120,44
7/8	9	100	40	18,0	14,5	1	307.0030	155,59
1	8	110	50	18,0	14,5	1	307.0032	177,82
1.1/4	7	132	56	22,0	18,0	1	307.0036	306,75

308

HSS Hand tap set, Unified National Fine [UNF]

Execution: HSS hand tap sets according to DIN 2181, UNF thread, sets of 2 taps.

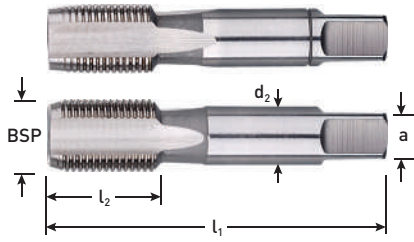


UNF	P	l_1	l_2	d_2	a	pcs/PU	Item no.	€ / PU
1/4	28	50	18	6,0	4,9	1	308.0014	21,92
5/16	24	56	22	6,0	4,9	1	308.0016	24,09
3/8	24	63	22	7,0	5,5	1	308.0018	27,18
7/16	20	63	22	8,0	6,2	1	308.0020	32,60
1/2	20	75	24	9,0	7,0	1	308.0022	40,76
9/16	18	80	28	11,0	9,0	1	308.0024	50,97
5/8	18	80	28	12,0	9,0	1	308.0026	60,52
3/4	16	95	32	14,0	11,0	1	308.0028	80,30
7/8	14	100	36	18,0	14,5	1	308.0030	103,73
1	12	110	40	18,0	14,5	1	308.0032	118,55

310

HSS Hand tap set, British Standard Pipe [BSP] (Gas)

Execution: HSS hand tap sets according to DIN 5157, BSP thread, sets of 2 taps.

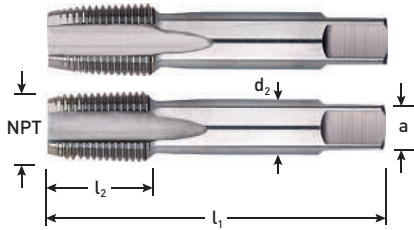


BSP	P	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
1/8	28	63	20	7,0	5,5	1	310.0125	27,79
1/4	19	70	22	11,0	9,0	1	310.0250	30,90
3/8	19	70	22	12,0	9,0	1	310.0375	45,70
1/2	14	80	22	16,0	12,0	1	310.0500	61,76
5/8	14	80	22	18,0	14,5	1	310.0625	88,91
3/4	14	90	22	20,0	16,0	1	310.0750	92,64
7/8	14	90	22	22,0	18,0	1	310.0875	151,15
1	11	100	25	25,0	20,0	1	310.1000	157,50
1.1/8	11	125	40	28,0	22,0	1	310.1125	327,14
1.1/4	11	125	40	32,0	24,0	1	310.1250	271,75
1.1/2	11	140	40	36,0	29,0	1	310.1500	419,48
1.3/4	11	140	40	40,0	32,0	1	310.1750	711,29
2	11	160	40	45,0	35,0	1	310.2000	795,23

314

HSS Hand tap set, National Pipe Taper [NPT]

Execution: HSS hand tap sets, NPT thread, sets of 2 taps.

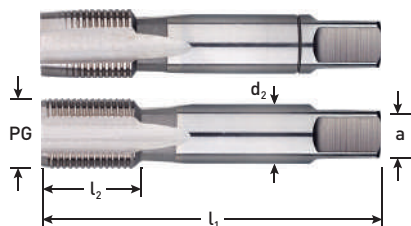


NPT	P	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
1/16	27	52	14	5,6	4,5	1	314.0010	58,43
1/8	27	59	15	8	6,3	1	314.0012	71,52
1/4	18	67	19	10	8	1	314.0014	85,68
3/8	18	75	21	12,5	10	1	314.0016	93,67
1/2	14	87	26	16	12,5	1	314.0018	116,99
3/4	14	96	28	20	16	1	314.0022	233,73
1	11,5	109	33	25	20	1	314.0026	356,22

315

HSS Hand tap set, Panzerrohrgewinde [PG]

Execution: HSS hand tap sets according to DIN 40432, PG-thread, sets of 2 taps.



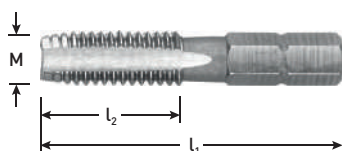
PG	P	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
7	20	70	22	9,0	7,0	1	315.0700	51,56
9	18	70	22	12,0	9,0	1	315.0900	68,75
11	18	80	22	14,0	11,0	1	315.1100	112,63
13,5	18	80	22	16,0	12,0	1	315.1350	138,97
16	18	80	22	18,0	14,5	1	315.1600	166,77
21	16	90	22	22,0	18,0	1	315.2100	219,32
29	16	100	25	28,0	22,0	1	315.2900	364,53
36	16	140	40	36,0	29,0	1	315.3600	580,88

317

HSS Tapping bit, metric [M]

Execution: HSS tapping bits with 1/4" (6,3mm) hexagonal shank according to DIN 3126-C6.3.

Application: For cutting metric [M] threads in steel, non-ferrous metals and plastics with cordless power tools.



M	p	l ₁	l ₂	pcs/PU	Item no.	€ / PU
3	0,5	33	11	1	317.0300	7,08
4	0,7	35	12	1	317.0400	7,08
5	0,8	36	15	1	317.0500	8,73

M	p	l ₁	l ₂	pcs/PU	Item no.	€ / PU
6	1,0	39	18	1	317.0600	8,73
8	1,25	40	19	1	317.0800	12,75
10	1,5	41	21	1	317.1000	14,87

900

HSS Tapping bit set, metric [M], in ABS-cassette

Execution: HSS tapping bit set with 1/4" (6,3mm) hexagonal shank according to DIN 3126-C6.3.

Application: For cutting metric [M] threads in steel, non-ferrous metals and plastics with cordless power tools.



Description	Type	Content	pcs/PU	Item no.	€ / PU
6 piece tap bit set	317	1x M3, M4, M5, M6, M8 and M10	1	900.2032	63,37

900

HSS Drill and tap bit set, metric [M], in cassette

ROTEC®



Execution: HSS drill and tap bit set with 1/4" (6,3mm) hexagonal shank according to DIN 3126-C6.3.

Application: For cutting metric [M] threads in steel, non-ferrous metals and plastics with cordless power tools.

Description	Type	Content	pcs/PU	Item no.	€ / PU
12 piece drill and tap bit set	140	1x ø2,5, 3,3, 4,2, 5,0, 6,8 and 8,5	1	900.2035	112,52
	317	1x M3, M4, M5, M6, M8 and M10			

900

HSS-G OPTI-LINE Machine tap set, gun, in ABS-cassette

ROTEC®



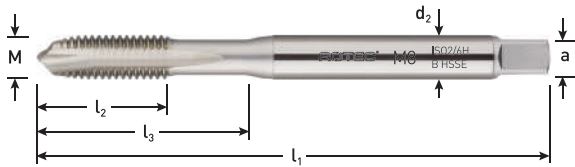
OPTI-LINE

Application: For through holes in (alloyed) steels <600 N/mm².
Material groups : 1.1 - 1.2 - 1.3

Remark: These taps are only available as a set!

Description	Content	pcs/PU	Item no.	€ / PU
7 piece machine tap set, for through holes	HSS-G machine taps OPTI-LINE (322), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2005	79,00
7+7 piece machine tap and drill bit set, for through holes	HSS-G machine taps OPTI-LINE (322), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12 HSS-G Drill bits: DIN 338 : 1x ø2.5, 3.3, 4.2, 5, 6.8, 8.5 and 10.2mm	1	900.2006	99,00

320 HSS-E Machine tap, metric, gun, in EV-pack



Execution: HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.

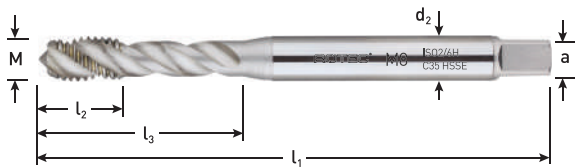
Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

Remark: Taps larger than M12 are packed in a plastic box QP22x75.

M
HSS
Co
DIN
371
DIN
376
60°

M	p	l ₁	l ₂	d ₂	a	l ₃	DIN	pcs/PU	Item no.	€ / PU
3	0,5	56	10	3,5	2,7	18	DIN 371	1	320.0300BE	15,95
4	0,7	63	12	4,5	3,4	21	DIN 371	1	320.0400BE	15,95
5	0,8	70	14	6,0	4,9	25	DIN 371	1	320.0500BE	16,62
6	1,0	80	18	6,0	4,9	30	DIN 371	1	320.0600BE	16,62
7	1,0	80	18	7,0	5,5	30	DIN 371	1	320.0700BE	31,13
8	1,25	90	20	8,0	6,2	35	DIN 371	1	320.0800BE	20,80
10	1,5	100	20	10,0	8,0	39	DIN 371	1	320.1000BE	26,38
3	0,5	56	10	2,2	-	-	DIN 376	1	321.0300BE	22,89
4	0,7	63	13	2,8	2,1	-	DIN 376	1	321.0400BE	17,85
5	0,8	70	16	3,5	2,7	-	DIN 376	1	321.0500BE	19,29
6	1,0	80	19	4,5	3,4	-	DIN 376	1	321.0600BE	19,29
8	1,25	90	22	6,0	4,9	-	DIN 376	1	321.0800BE	21,75
10	1,5	100	24	7,0	5,5	-	DIN 376	1	321.1000BE	28,69
12	1,75	110	29	9,0	7,0	-	DIN 376	1	321.1200BE	33,95
16	2,0	110	32	11,0	11,0	-	DIN 376	1	321.1600BE	56,21

320 HSS-E Machine tap, metric, spiral, in EV-pack



Execution: HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

Remark: Taps larger than M12 are packed in a plastic box QP22x75.

M
HSS
Co
DIN
371
DIN
376
60°

M	p	l ₁	l ₂	d ₂	a	l ₃	DIN	pcs/PU	Item no.	€ / PU
3	0,5	56	5	3,5	2,7	18	DIN 371	1	320.0300CE	19,53
4	0,7	63	7	4,5	3,4	21	DIN 371	1	320.0400CE	19,53
5	0,8	70	8	6,0	4,9	25	DIN 371	1	320.0500CE	19,87
6	1,0	80	10	6,0	4,9	30	DIN 371	1	320.0600CE	19,87
8	1,25	90	13	8,0	6,2	35	DIN 371	1	320.0800CE	24,27
10	1,5	100	15	10,0	8,0	39	DIN 371	1	320.1000CE	31,55
6	1,0	80	10	4,5	3,4	-	DIN 376	1	321.0600CE	20,44
8	1,25	90	13	6,0	4,9	-	DIN 376	1	321.0800CE	24,25
10	1,5	100	15	7,0	5,5	-	DIN 376	1	321.1000CE	31,11
12	1,75	110	18	9,0	7,0	-	DIN 376	1	321.1200CE	36,63
16	2,0	110	20	12,0	9,0	-	DIN 376	1	321.1600CE	53,57

320

HSS-E Machine tap, metric, DIN 371, gun



Execution: HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
3	0,5	56	10	3,5	2,7	18	1	320.0300B	15,51
4	0,7	63	12	4,5	3,4	21	1	320.0400B	15,51
5	0,8	70	14	6,0	4,9	25	1	320.0500B	16,18
6	1,0	80	18	6,0	4,9	30	1	320.0600B	16,18

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
7	1,0	80	18	7,0	5,5	30	1	320.0700B	30,64
8	1,25	90	20	8,0	6,2	35	1	320.0800B	20,31
10	1,5	100	20	10,0	8,0	39	1	320.1000B	25,69

HSS-E Machine tap, metric, DIN 376, gun



Execution: HSS-E machine taps, DIN 376, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
3	0,5	56	10	2,2	-	-	1	321.0300B	22,45
4	0,7	63	13	2,8	2,1	-	1	321.0400B	17,41
5	0,8	70	16	3,5	2,7	-	1	321.0500B	18,85
6	1,0	80	19	4,5	3,4	-	1	321.0600B	18,85
8	1,25	90	22	6,0	4,9	-	1	321.0800B	21,26
10	1,5	100	24	7,0	5,5	-	1	321.1000B	28,00
12	1,75	110	29	9,0	7,0	-	1	321.1200B	33,26

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
14	2,0	110	30	11,0	9,0	-	1	321.1400B	49,13
16	2,0	110	32	12,0	9,0	-	1	321.1600B	55,57
18	2,5	125	34	14,0	11,0	-	1	321.1800B	63,95
20	2,5	140	34	16,0	12,0	-	1	321.2000B	73,38
22	2,5	140	34	18,0	14,5	-	1	321.2200B	91,47
24	3,0	160	38	18,0	14,5	-	1	321.2400B	104,02

900

HSS-E Machine tap set, gun, in ABS-cassette



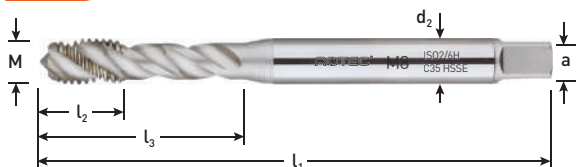
Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

Description	Content	pcs/pu	Item no.	€/PU
7 piece machine tap set, for through holes	HSS-E machine taps "OPTI" (320), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2007	119,20
7+7 piece machine tap and drill bit set, for through holes	HSS-E machine taps (320), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12 HSS-G Drill bits (105): DIN 338 : 1x ø2,5, 3,3, 4,2, 5, 6,8, 8,5 and 10,2mm	1	900.2008	130,24

320 HSS-E Machine tap, metric, DIN 371, spiral

Execution: HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in (alloyed) steels <800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 1.4



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
3	0,5	56	5	3,5	2,7	18	1	320.0300C	19,09
4	0,7	63	7	4,5	3,4	21	1	320.0400C	19,09
5	0,8	70	8	6,0	4,9	25	1	320.0500C	19,43

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
6	1,0	80	10	6,0	4,9	30	1	320.0600C	19,43
8	1,25	90	13	8,0	6,2	35	1	320.0800C	23,78
10	1,5	100	15	10,0	8,0	39	1	320.1000C	30,86

HSS-E Machine tap, metric, DIN 376, spiral

Execution: HSS-E machine taps, DIN 376, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in (alloyed) steels <800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 1.4



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
6	1,0	80	10	4,5	3,4	-	1	321.0600C	20,00
8	1,25	90	13	6,0	4,9	-	1	321.0800C	23,76
10	1,5	100	15	7,0	5,5	-	1	321.1000C	30,42
12	1,75	110	18	9,0	7,0	-	1	321.1200C	35,94
14	2,0	110	20	11,0	9,0	-	1	321.1400C	52,93

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
16	2,0	110	20	12,0	9,0	-	1	321.1600C	57,77
18	2,5	125	25	14,0	11,0	-	1	321.1800C	66,19
20	2,5	140	25	16,0	12,0	-	1	321.2000C	72,77
22	2,5	140	25	18,0	14,5	-	1	321.2200C	118,52
24	3,0	160	30	18,0	14,5	-	1	321.2400C	123,55

900 HSS-E Machine tap set, spiral, in ABS-cassette

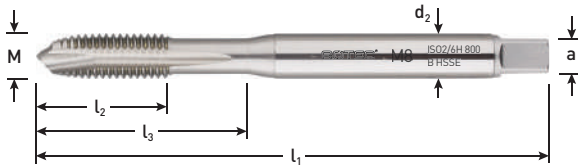
Application: For through holes in (alloyed) steels <800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 1.4



Description	Content	pcs/pu	Item no.	€ / PU
7 piece machine tap set, for blind holes	HSS-E machine taps "OPTI" (320), spiral: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2007C	126,41
7+7 piece machine tap and drill bit set, for blind holes	HSS-E machine taps (320), spiral: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12 HSS-G Drill bits (105): DIN 338 : 1x ø2,5, 3,3, 4,2, 5, 6,8, 8,5 and 10.2mm	1	900.2008C	142,63

330

HSS-E 800 Machine tap, metric, DIN 371, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
2	0,4	45	8	2,8	2,1	13	1	330.0200	37,14
2,5	0,45	50	9	2,8	2,1	14	1	330.0250	37,14
3	0,5	56	10	3,5	2,7	18	1	330.0300	21,38
3,5	0,6	56	12	4,0	3,0	20	1	330.0350	22,04
4	0,7	63	12	4,5	3,4	21	1	330.0400	21,71

800

Execution: HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in (alloyed) steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
5	0,8	70	14	6,0	4,9	25	1	330.0500	22,84
6	1,0	80	18	6,0	4,9	30	1	330.0600	22,84
8	1,25	90	20	8,0	6,2	35	1	330.0800	26,53
10	1,5	100	20	10,0	8,0	39	1	330.1000	33,95

HSS-E 800 Machine tap, metric, DIN 376, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
12	1,75	110	29	9,0	7,0	-	1	330.1200	48,25
14	2,0	110	30	11,0	9,0	-	1	330.1400	65,96
16	2,0	110	32	12,0	9,0	-	1	330.1600	70,58
18	2,5	125	34	14,0	11,0	-	1	330.1800	96,80
20	2,5	140	34	16,0	12,0	-	1	330.2000	102,50
22	2,5	140	34	18,0	14,5	-	1	330.2200	146,21
24	3,0	160	38	18,0	14,5	-	1	330.2400	135,45
27	3,0	160	38	20,0	16,0	-	1	330.2700	181,09

800

Execution: HSS-E machine taps, DIN 376, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in (alloyed) steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
30	3,5	180	45	22,0	18,0	-	1	330.3000	229,16
33	3,5	180	50	25,0	20,0	-	1	330.3300	312,56
36	4,0	200	56	28,0	22,0	-	1	330.3600	424,97
39	4,0	200	60	32,0	24,0	-	1	330.3900	535,42
42	4,5	200	60	32,0	24,0	-	1	330.4200	532,81
45	4,5	220	65	36,0	29,0	-	1	330.4500	532,81
48	5,0	250	70	36,0	29,0	-	1	330.4800	567,20
52	5,0	250	70	40,0	32,0	-	1	330.5200	651,21

900

HSS-E 800 Machine tap set, gun, in ABS-cassette



Application: For through holes in (alloyed) steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

Description	Content	pcs/PU	Item no.	€/PU
7+7 piece machine tap and drill bit set, for through holes	HSS-E machine taps "800" (330), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12 HSS-E drill bits (111): DIN 338 : 1x ø2,5, 3,3, 4,2, 5, 6,8, 8,5 and 10,2mm	1	900.2009	239,59

330 HSS-E 800 Machine tap, metric, DIN 371, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
2	0,4	45	6	2,8	2,1	13	1	330.0200C	43,88
3	0,5	56	5	3,5	2,7	18	1	330.0300C	23,52
4	0,7	63	7	4,5	3,4	21	1	330.0400C	23,84
5	0,8	70	8	6,0	4,9	25	1	330.0500C	25,28

800

Execution: HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
6	1,0	80	10	6,0	4,9	30	1	330.0600C	25,28
8	1,25	90	13	8,0	6,2	35	1	330.0800C	29,26
10	1,5	100	15	10,0	8,0	39	1	330.1000C	37,57

HSS-E 800 Machine tap, metric, DIN 376, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
12	1,75	110	18	9,0	7,0	-	1	330.1200C	53,11
14	2,0	110	20	11,0	9,0	-	1	330.1400C	72,45
16	2,0	110	20	12,0	9,0	-	1	330.1600C	77,73
18	2,5	125	25	14,0	11,0	-	1	330.1800C	106,63
20	2,5	140	25	16,0	12,0	-	1	330.2000C	112,83
22	2,5	140	25	18,0	14,5	-	1	330.2200C	160,87

800

Execution: HSS-E machine taps, DIN 376, metric thread [M], 60°, form B lead chamfer.

Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
24	3,0	160	30	18,0	14,5	-	1	330.2400C	148,96
27	3,0	160	30	20,0	16,0	-	1	330.2700C	199,45
30	3,5	180	45	22,0	18,0	-	1	330.3000C	233,84
33	3,5	180	50	25,0	20,0	-	1	330.3300C	343,83
36	4,0	200	40	28,0	22,0	-	1	330.3600C	467,65

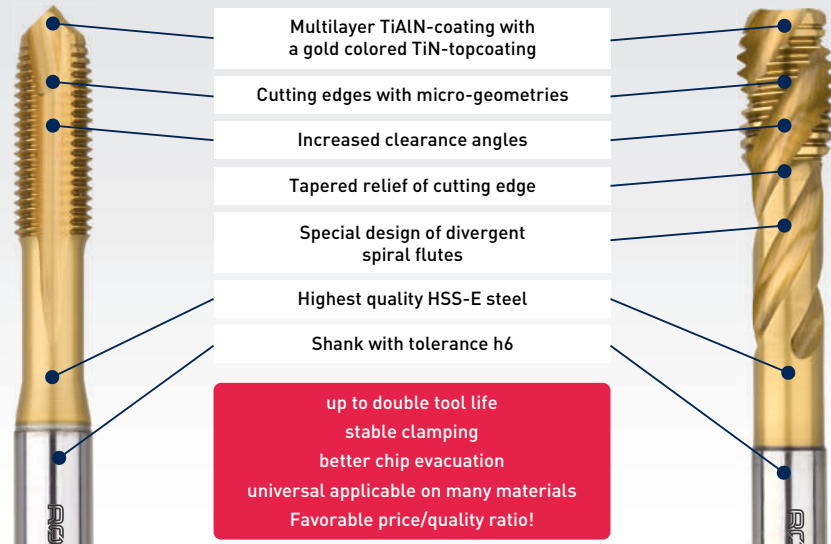
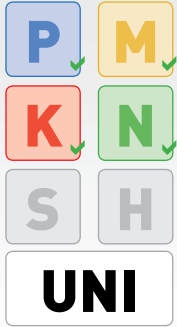
900 HSS-E 800 Machine tap set, spiral, in ABS-cassette



Application: For through holes in [alloyed] steels <800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

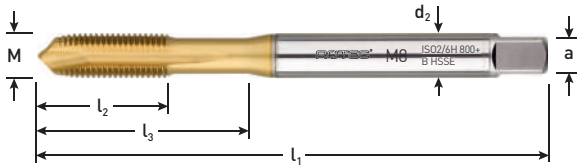
Description	Content	pcs/pu	Item no.	€ / PU
7+7 piece machine tap and drill bit set, for blind holes	HSS-E machine taps "800" (330), spiral: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12 HSS-E drill bits (111): DIN 338 : 1x ø2.5, 3.3, 4.2, 5, 6.8, 8.5 and 10.2mm	1	900.2009C	256,82

800+



330T

HSS-E '800+' Machine tap, metric, DIN 371, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
3	0,5	56	10	3,5	2,7	18	1	330.0300T	24,36
3,5	0,6	56	12	4,0	3,0	20	1	330.0350T	28,73
4	0,7	63	12	4,5	3,4	21	1	330.0400T	24,62
4,5	0,75	70	14	6,0	4,9	25	1	330.0450T	41,72
5	0,8	70	14	6,0	4,9	25	1	330.0500T	26,88

800+

Execution: HSS-E machine taps, DIN 371, metric [M], 60°, ISO2 (6H), reinforced shank, form B lead chamfer, TN2-coated (TiAlN + TiN) for increased cutting speeds and tool life.

Application: Universal taps for through holes in [alloyed] steels <1.000 N/mm², stainless steel <1.000 N/mm², cast iron <210 HB, short chipping aluminium and copper [alloys].
Material groups : 1.1 - 1.4, 2.1 - 2.2, 3.1 - 3.2, 4.2 - 4.5

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
6	1	80	18	6,0	4,9	30	1	330.0600T	27,89
7	1	80	18	7,0	5,5	30	1	330.0700T	38,54
8	1,25	90	20	8,0	6,2	35	1	330.0800T	33,38
9	1,25	90	20	9,0	7,0	35	1	330.0900T	55,30
10	1,5	100	20	10,0	8,0	39	1	330.1000T	43,90

HSS-E '800+' Machine tap, metric, DIN 376, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
3	0,5	56	11	2,2	1,8	-	1	330.0301T	30,20
4	0,7	63	12	2,8	2,1	-	1	330.0401T	28,99
5	0,8	70	14	3,5	2,7	-	1	330.0501T	31,46
6	1	80	18	4,5	3,4	-	1	330.0601T	32,46
8	1,25	90	20	6,0	4,9	-	1	330.0801T	38,80
10	1,5	100	20	7,0	5,5	-	1	330.1001T	49,13
12	1,75	110	24	9,0	7,0	-	1	330.1200T	60,92
14	2	110	25	11,0	9,0	-	1	330.1400T	80,39
16	2	110	32	12,0	9,0	-	1	330.1600T	87,09
18	2,5	125	32	14,0	11,0	-	1	330.1800T	118,20
20	2,5	140	32	16,0	12,0	-	1	330.2000T	129,47

800+

Execution: HSS-E machine taps, DIN 376, metric [M], 60°, ISO2 (6H), reduced shank, form B lead chamfer, TN2-coated (TiAlN + TiN) for increased cutting speeds and tool life.

Application: Universal taps for through holes in [alloyed] steels <1.000 N/mm², stainless steel <1.000 N/mm², cast iron <210 HB, short chipping aluminium and copper [alloys].
Material groups : 1.1 - 1.4, 2.1 - 2.2, 3.1 - 3.2, 4.2 - 4.5

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
22	2,5	140	32	18,0	14,5	-	1	330.2200T	174,42
24	3	160	38	18,0	14,5	-	1	330.2400T	178,46
27	3	160	38	20,0	16,0	-	1	330.2700T	238,64
30	3,5	180	40	22,0	18,0	-	1	330.3000T	280,43
33	3,5	180	45	25,0	20,0	-	1	330.3300T	401,60
36	4	200	50	28,0	22,0	-	1	330.3600T	540,39
39	4	200	55	32,0	24,0	-	1	330.3900T	611,64
42	4,5	200	60	32,0	24,0	-	1	330.4200T	617,14
45	4,5	220	60	36,0	29,0	-	1	330.4500T	679,92
48	5	250	65	36,0	29,0	-	1	330.4800T	724,08
52	5	250	65	40,0	30,0	-	1	330.5200T	820,22

HSS-E '800+' Machine tap, metric, DIN 371, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
3	0,5	56	5	3,5	2,7	18	1	330.0300TC	25,49
3,5	0,6	56	6	4,0	3,0	20	1	330.0350TC	32,46
4	0,7	63	7	4,5	3,4	21	1	330.0400TC	25,69
4,5	0,75	70	7,5	6,0	4,9	25	1	330.0450TC	45,30
5	0,8	70	8	6,0	4,9	25	1	330.0500TC	28,01

800+

Execution: HSS-E machine taps, DIN 371, metric [M], 60°, ISO2 (6H), reinforced shank, form C lead chamfer with 40° helix, TN2-coated (TiAlN + TiN) for increased cutting speeds and tool life.

Application: Universal taps for blind holes in (alloyed) steels <1.000 N/mm², stainless steel <1.000 N/mm², cast iron <210 HB, short chipping aluminium and copper (alloys).
Material groups : 1.1 - 1.4, 2.1 - 2.2, 3.1 - 3.2, 4.2 - 4.5

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
6	1	80	10	6,0	4,9	30	1	330.0600TC	28,99
7	1	80	10	7,0	5,5	30	1	330.0700TC	41,85
8	1,25	90	13	8,0	6,2	35	1	330.0800TC	34,84
9	1,25	90	13	9,0	7,0	35	1	330.0900TC	57,08
10	1,5	100	15	10,0	8,0	39	1	330.1000TC	45,82

HSS-E '800+' Machine tap, metric, DIN 376, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
3	0,5	56	5	2,2	1,8	-	1	330.0301TC	30,27
4	0,7	63	8	2,8	2,1	-	1	330.0401TC	31,51
5	0,8	70	10	3,5	2,7	-	1	330.0501TC	34,11
6	1	80	12	4,5	3,4	-	1	330.0601TC	35,10
8	1,25	90	15	6,0	4,9	-	1	330.0801TC	41,98
10	1,5	100	17	7,0	5,5	-	1	330.1001TC	52,97
12	1,75	110	18	9,0	7,0	-	1	330.1200TC	65,55
14	2	110	20	11,0	9,0	-	1	330.1400TC	86,61
16	2	110	20	12,0	9,0	-	1	330.1600TC	93,89
18	2,5	125	25	14,0	11,0	-	1	330.1800TC	127,53
20	2,5	140	25	16,0	12,0	-	1	330.2000TC	139,32

800+

Execution: HSS-E machine taps, DIN 376, metric [M], 60°, ISO2 (6H), reduced shank, form C lead chamfer with 40° helix, TN2-coated (TiAlN + TiN) for increased cutting speeds and tool life.

Application: Universal taps for blind holes in (alloyed) steels <1.000 N/mm², stainless steel <1.000 N/mm², cast iron <210 HB, short chipping aluminium and copper (alloys).
Material groups : 1.1 - 1.4, 2.1 - 2.2, 3.1 - 3.2, 4.2 - 4.5

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
22	2,5	140	25	18,0	14,5	-	1	330.2200TC	188,32
24	3	160	30	18,0	14,5	-	1	330.2400TC	191,49
27	3	160	30	20,0	16,0	-	1	330.2700TC	244,67
30	3,5	180	35	22,0	18,0	-	1	330.3000TC	287,46
33	3,5	180	35	25,0	20,0	-	1	330.3300TC	412,40
36	4	200	40	28,0	22,0	-	1	330.3600TC	555,36
39	4	200	40	32,0	24,0	-	1	330.3900TC	663,16
42	4,5	200	45	32,0	24,0	-	1	330.4200TC	668,46
45	4,5	220	45	36,0	29,0	-	1	330.4500TC	706,67
48	5	250	50	36,0	29,0	-	1	330.4800TC	711,63
52	5	250	50	40,0	30,0	-	1	330.5200TC	852,34

900

HSS-E '800+' Machine tap set, in plastic case



Execution: HSS-E machine tap sets, DIN 371/376, metric [M], 60°, ISO2 (6H), TN2-coated (TiAlN + TiN) for increased cutting speeds and tool life.

Application: Universal taps for through holes in (alloyed) steels <1.000 N/mm², stainless steel <1.000 N/mm², cast iron <210 HB, short chipping aluminium and copper (alloys).
Material groups : 1.1 - 1.4, 2.1 - 2.2, 3.1 - 3.2, 4.2 - 4.5

Description	Content	pcs/pu	Item no.	€ / PU
7 piece machine tap set, for through holes	HSS-E machine taps "800+" (330T): DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2013	190,66
7 piece machine tap set, for blind holes	HSS-E machine taps "800+" (330T): DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2013C	204,97

331

HSS-E INOX 1000 Machine tap, metric, DIN 371, gun

ROTEC®



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
3	0,5	56	10	3,5	2,7	18	1	331.0300	23,55
4	0,7	63	12	4,5	3,4	21	1	331.0400	23,84
5	0,8	70	14	6,0	4,9	25	1	331.0500	25,28

INOX 1000

Execution: High performance HSS-E blue-ring machine taps according to DIN 371, for metric thread in through holes, ISO 2 (6H), form B lead chamfer, bright finish.

Application: For tapping of stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
6	1	80	18	6,0	4,9	30	1	331.0600	25,28
8	1,25	90	20	8,0	6,2	35	1	331.0800	29,26
10	1,5	100	20	10,0	8,0	39	1	331.1000	37,57

HSS-E INOX 1000 Machine tap, metric, DIN 376, gun

ROTEC®



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
8	1,25	90	20	6,0	4,9	-	1	331.0801	32,27
10	1,5	100	20	7,0	5,5	-	1	331.1001	39,67
12	1,75	110	24	9,0	7,0	-	1	331.1200	53,11
16	2	110	32	12,0	9,0	-	1	331.1600	77,73

INOX 1000

Execution: High performance HSS-E blue-ring machine taps according to DIN 376, for metric thread in through holes, ISO 2 (6H), form B lead chamfer, bright finish.

Application: For tapping of stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
18	2,5	125	32	14,0	11,0	-	1	331.1800	106,63
20	2,5	140	32	16,0	12,0	-	1	331.2000	112,83
24	3	160	38	18,0	14,5	-	1	331.2400	148,96

900

HSS-E INOX 1000 Machine tap set, gun, in ABS-cassette

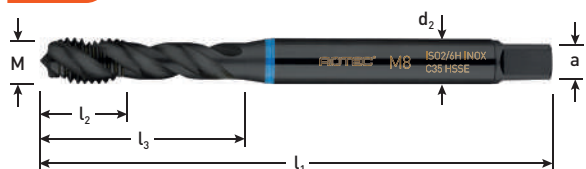
ROTEC®



Application: For tapping of stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

Description	Content	pcs/PU	Item no.	€/PU
7+7 piece machine tap and drill bit set, for through holes	HSS-E machine taps "INOX 1000" (331.xxxx), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12 HSS-E drill bits, type HD-S (110): DIN 338 : 1x ø2,5, 3,3, 4,2, 5, 6,8, 8,5 and 10.2mm	1	900.20091	260,47

331 HSS-E INOX 1000 Machine tap, metric, DIN 371, spiral



INOX 1000

Execution: High performance HSS-E blue-ring machine taps according to DIN 371, for metric thread in blind holes, ISO 2 (6H), 40° spiral helix, form C lead chamfer, bright finish.

Application: For tapping of stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
3	0,5	56	5	3,5	2,7	18	1	331.0300C	25,86
4	0,7	63	7	4,5	3,4	21	1	331.0400C	26,16
5	0,8	70	8	6,0	4,9	25	1	331.0500C	27,67

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
6	1	80	10	6,0	4,9	30	1	331.0600C	27,67
8	1,25	90	13	8,0	6,2	35	1	331.0800C	32,22
10	1,5	100	15	10,0	8,0	39	1	331.1000C	41,32

HSS-E INOX 1000 Machine tap, metric, DIN 376, spiral



INOX 1000

Execution: High performance HSS-E blue-ring machine taps according to DIN 376, for metric thread in blind holes, ISO 2 (6H), 40° spiral helix, form C lead chamfer, bright finish.

Application: For tapping of stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
12	1,75	110	18	9,0	7,0	-	1	331.1200C	58,37
16	2	110	20	12,0	9,0	-	1	331.1600C	85,30
18	2,5	125	25	14,0	11,0	-	1	331.1800C	117,23

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
20	2,5	140	25	16,0	12,0	-	1	331.2000C	124,18
24	3	160	30	18,0	14,5	-	1	331.2400C	163,98

900 HSS-E INOX 1000 Machine tap set, spiral, in ABS-cassette



Application: For tapping of stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

Description	Content	pcs/pu	Item no.	€ / PU
7+7 piece machine tap and drill bit set, for blind holes	HSS-E machine taps "INOX 1000" (331.xxxxC), spiral: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12 HSS-E drill bits, type HD-S (110): DIN 338 : 1x ø2,5, 3,3, 4,2, 5, 6,8, 8,5 and 10,2mm	1	900.2009IC	278,33

Inox+



- Wear resistant HardLube®-coating a very smooth surface
- Special geometries for stainless steel
- Accurate and high-finish threads
- Tapered relief of cutting edge
- Special design of divergent spiral flutes
- Highest quality HSS-E steel
- Shank with tolerance h6

Special geometries for ferritic, martenic and austenitic stainless steel and duplex.

THE problem solver on stainless steels!

331H

HSS-E 'Inox+' Machine tap, metric, DIN 371, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
3	0,5	56	10	3,5	2,7	18	1	331.0300H	25,23
4	0,7	63	12	4,5	3,4	21	1	331.0400H	26,80
5	0,8	70	14	6,0	4,9	25	1	331.0500H	29,75

Inox+

Execution: HSS-E machine taps, DIN 371, metric [M], 60°, ISO2 (6H), reinforced shank, form B lead chamfer. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Taps specifically designed for tapping of through holes in austenitic stainless steels and duplex <1.000 N/mm². Material groups : 2.1 - 2.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
6	1	80	18	6,0	4,9	30	1	331.0600H	31,46
8	1,25	90	20	8,0	6,2	35	1	331.0800H	38,28
10	1,5	100	20	10,0	8,0	39	1	331.1000H	51,18

HSS-E 'Inox+' Machine tap, metric, DIN 376, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
8	1,25	90	20	6,0	4,9	-	1	331.0801H	41,93
10	1,5	100	20	7,0	5,5	-	1	331.1001H	54,42
12	1,75	110	24	9,0	7,0	-	1	331.1200H	70,19
14	2	110	25	11,0	9,0	-	1	331.1400H	94,10
16	2	110	32	12,0	9,0	-	1	331.1600H	99,29
18	2,5	125	32	14,0	11,0	-	1	331.1800H	138,78
20	2,5	140	32	16,0	12,0	-	1	331.2000H	142,83

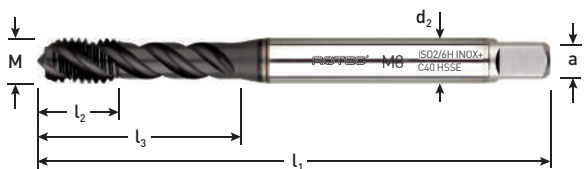
Inox+

Execution: HSS-E machine taps, DIN 376, metric [M], 60°, ISO2 (6H), reduced shank, form B lead chamfer. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Taps specifically designed for tapping of through holes in austenitic stainless steels and duplex <1.000 N/mm². Material groups : 2.1 - 2.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
22	2,5	140	32	18,0	14,5	-	1	331.2200H	184,75
24	3	160	38	18,0	14,5	-	1	331.2400H	218,06
27	3	160	38	20,0	16,0	-	1	331.2700H	245,00
30	3,5	180	40	22,0	18,0	-	1	331.3000H	318,51
33	3,5	180	45	25,0	20,0	-	1	331.3300H	424,57
36	4	200	50	28,0	22,0	-	1	331.3600H	569,23

HSS-E 'Inox+' Machine tap, metric, DIN 371, spiral



Inox+

Execution: HSS-E machine taps, DIN 371, metric [M], 60°, ISO2 (6H), reinforced shank, form C lead chamfer with 40° helix. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Taps specifically designed for tapping of blind holes in austenitic stainless steels and duplex <1.000 N/mm². Material groups : 2.1 - 2.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
3	0,5	56	5	3,5	2,7	18	1	331.0300HC	29,60
4	0,7	63	7	4,5	3,4	21	1	331.0400HC	28,71
5	0,8	70	8	6,0	4,9	25	1	331.0500HC	31,77

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
6	1	80	10	6,0	4,9	30	1	331.0600HC	33,51
8	1,25	90	13	8,0	6,2	35	1	331.0800HC	45,84
10	1,5	100	15	10,0	8,0	39	1	331.1000HC	54,37

HSS-E 'Inox+' Machine tap, metric, DIN 376, spiral



Inox+

Execution: HSS-E machine taps, DIN 376, metric [M], 60°, ISO2 (6H), reduced shank, form C lead chamfer with 40° helix. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Taps specifically designed for tapping of blind holes in austenitic stainless steels and duplex <1.000 N/mm². Material groups : 2.1 - 2.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
8	1,25	90	15	6,0	4,9	-	1	331.0801HC	43,72
10	1,5	100	17	7,0	5,5	-	1	331.1001HC	52,38
12	1,75	110	18	9,0	7,0	-	1	331.1200HC	74,47
14	2	110	20	11,0	9,0	-	1	331.1400HC	105,63
16	2	110	20	12,0	9,0	-	1	331.1600HC	105,78
18	2,5	125	25	14,0	11,0	-	1	331.1800HC	141,57
20	2,5	140	25	16,0	12,0	-	1	331.2000HC	164,68

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
22	2,5	140	25	18,0	14,5	-	1	331.2200HC	198,79
24	3	160	30	18,0	14,5	-	1	331.2400HC	231,11
27	3	160	30	20,0	16,0	-	1	331.2700HC	262,42
30	3,5	180	35	22,0	18,0	-	1	331.3000HC	299,55
33	3,5	180	35	25,0	20,0	-	1	331.3300HC	456,17
36	4	200	40	28,0	22,0	-	1	331.3600HC	570,07

900

HSS-E 'Inox+' Machine tap set, in plastic cassette

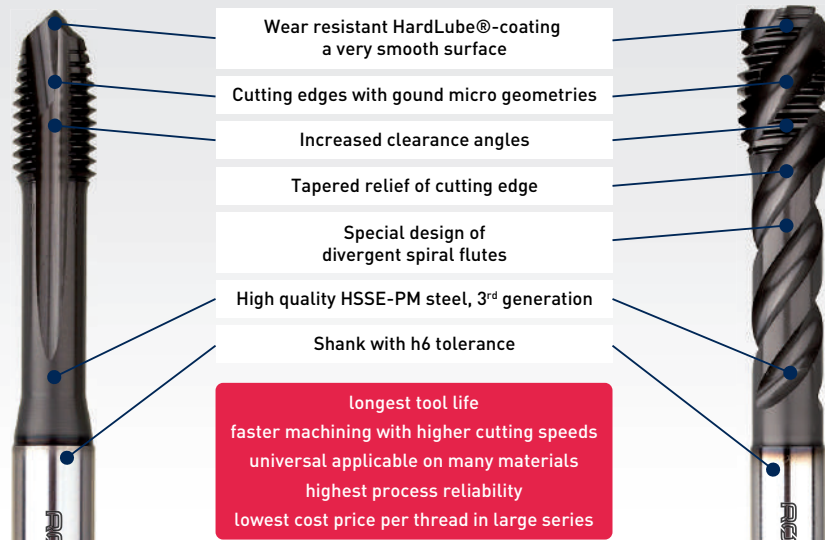


Execution: HSS-E machine tap set, DIN 371/376, metric [M], 60°, ISO2 (6H). Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Taps specifically designed for tapping of holes in austenitic stainless steels and duplex <1.000 N/mm². Material groups : 2.1 - 2.3

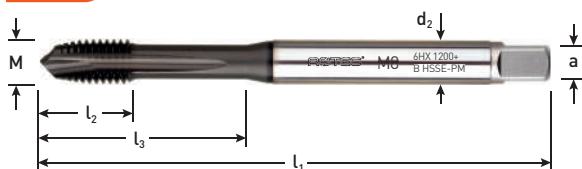
Description	Content	pcs/pu	Item no.	€ / PU
7 piece machine tap set, for through holes	HSS-E machine taps 'Inox+' (331H), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2014	239,32
7 piece machine tap set, for blind holes	HSS-E machine taps 'Inox+' (331H), spiral: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2014C	257,69

1200+



336

HSS-E PM '1200+' Machine tap, metric, DIN 371, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
2	0,4	45	10	2,8	2,1	13	1	336.0200	42,20
2,5	0,45	50	9	2,8	2,1	14	1	336.0250	42,20
3	0,5	56	5	3,5	2,7	18	1	336.0300	32,70
4	0,7	63	7	4,5	3,4	21	1	336.0400	34,43

1200+

Execution: HSS-E PM machine taps, DIN 371, metric [M], 60°, ISO1 (4H) [M1-M1,4], ISO 2(6H) [M1,6-M2,6], 6HX [M3-M10], reinforced shank, form B lead chamfer. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Universal high-performance taps for through holes in [alloyed] steels <1.200 N/mm², stainless steel <1.000 N/mm², cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm².
Material groups : 1.1 - 1.5, 2.1 - 2.3, 3.1 - 3.3, 4.1 - 4.10, 5.1, 5.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
5	0,8	70	8	6,0	4,9	25	1	336.0500	37,38
6	1	80	10	6,0	4,9	30	1	336.0600	38,71
8	1,25	90	13	8,0	6,2	35	1	336.0800	46,53
10	1,5	100	15	10,0	8,0	39	1	336.1000	61,16

HSS-E PM '1200+' Machine tap, metric, DIN 376, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
12	1,75	110	18	9,0	7,0	-	1	336.1200	90,11
14	2	110	20	11,0	9,0	-	1	336.1400	118,17
16	2	110	20	12,0	9,0	-	1	336.1600	127,02

1200+

Execution: HSS-E PM machine taps, DIN 376, metric [M], 60°, 6HX, reduced shank, form B lead chamfer. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Universal high-performance taps for through holes in [alloyed] steels <1.200 N/mm², stainless steel <1.000 N/mm², cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm².
Material groups : 1.1 - 1.5, 2.1 - 2.3, 3.1 - 3.3, 4.1 - 4.10, 5.1, 5.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
20	2,5	140	25	16,0	12,0	-	1	336.2000	188,54
24	3	160	30	18,0	14,5	-	1	336.2400	243,37

HSS-E PM '1200+' Machine tap, metric, DIN 371, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
2	0,4	45	10	2,8	2,1	13	1	336.0200C	46,96
2,5	0,45	50	9	2,8	2,1	14	1	336.0250C	46,96
3	0,5	56	5	3,5	2,7	18	1	336.0300C	36,30
4	0,7	63	7	4,5	3,4	21	1	336.0400C	38,28

1200+

Execution: HSS-E PM machine taps, DIN 371, metric [M], 60°, ISO1 (4H) (M1-M1,4), ISO 2(6H) (M1,6-M2,6), 6HX (M3-M10), reinforced shank, form C lead chamfer with 45° helix. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Universal high-performance taps for blind holes in (alloyed) steels <1.200 N/mm², stainless steel <1.000 N/mm², cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm².
Material groups : 1.1 - 1.5, 2.1 - 2.3, 3.1 - 3.3, 4.1 - 4.10, 5.1, 5.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
5	0,8	70	8	6,0	4,9	25	1	336.0500C	41,54
6	1	80	10	6,0	4,9	30	1	336.0600C	43,05
8	1,25	90	13	8,0	6,2	35	1	336.0800C	51,71
10	1,5	100	15	10,0	8,0	39	1	336.1000C	67,90

HSS-E PM '1200+' Machine tap, metric, DIN 376, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
12	1,75	110	18	9,0	7,0	-	1	336.1200C	100,17
14	2	110	20	11,0	9,0	-	1	336.1400C	131,29

1200+

Execution: HSS-E PM machine taps, DIN 376, metric [M], 60°, 6HX, reduced shank, form C lead chamfer with 45° helix. Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Universal high-performance taps for blind holes in (alloyed) steels <1.200 N/mm², stainless steel <1.000 N/mm², cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm².
Material groups : 1.1 - 1.5, 2.1 - 2.3, 3.1 - 3.3, 4.1 - 4.10, 5.1, 5.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
16	2	110	20	12,0	9,0	-	1	336.1600C	141,16
20	2,5	140	25	16,0	12,0	-	1	336.2000C	209,49

900

HSS-E PM '1200+' Machine tap set, in plastic case



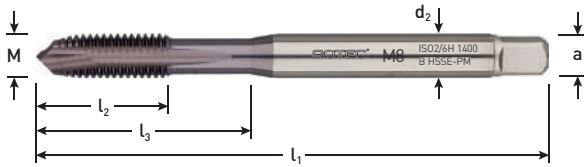
Execution: HSS-E PM machine taps DIN 371/376, metric [M], 60°, ISO1 (4H) (M1-M1,4), ISO 2(6H) (M1,6-M2,6), 6HX (M3-M10). Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

Application: Universal high-performance taps for through holes in (alloyed) steels <1.200 N/mm², stainless steel <1.000 N/mm², cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm².
Material groups : 1.1 - 1.5, 2.1 - 2.3, 3.1 - 3.3, 4.1 - 4.10, 5.1, 5.3

Description	Content	pcs/pu	Item no.	€ / PU
7 piece machine tap set, for through holes	HSS-E PM machine taps '1200+' (336), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2011	307,23
7 piece machine tap set, for blind holes	HSS-E PM machine taps '1200+' (336), spiral: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2011C	349,97

347

HSSE-PM 1400 Machine tap, metric, DIN 371, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pupu	Item no.	€/PU
3	0,5	56	10	3,5	2,7	18	1	347.0300	28,51
4	0,7	63	12	4,5	3,4	21	1	347.0400	28,88
5	0,8	70	14	6,0	4,9	25	1	347.0500	31,21

1400

Execution: High performance HSSE-PM (powder metallurgical steel) machine taps according to DIN 371, ISO 2 (6H), form B lead chamfer, TiCN-coating for faster cutting conditions and improved tool life. PM machine taps have much higher toughness and wear resistance compared to HSS-E taps.

Application: For tapping of (high) alloyed steels like Hardox, Weldox etc. with tensile strength < 1.400 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pupu	Item no.	€/PU
6	1	80	18	6,0	4,9	30	1	347.0600	32,32
8	1,25	90	20	8,0	6,2	35	1	347.0800	38,92
10	1,5	100	20	10,0	8,0	39	1	347.1000	51,09

HSSE-PM 1400 Machine tap, metric, DIN 376, gun



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
12	1,75	110	24	9,0	7,0	-	1	347.1200	76,42
16	2	110	32	12,0	9,0	-	1	347.1600	109,45

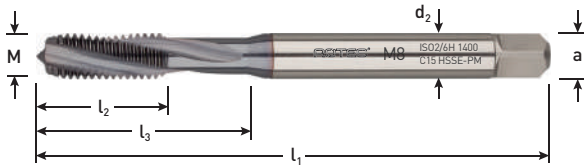
1400

Execution: High performance HSSE-PM (powder metallurgical steel) machine taps according to DIN 376, ISO 2 (6H), form B lead chamfer, TiCN-coating for faster cutting conditions and improved tool life. PM machine taps have much higher toughness and wear resistance compared to HSS-E taps.

Application: For tapping of (high) alloyed steels like Hardox, Weldox etc. with tensile strength < 1.400 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
20	2,5	140	32	16,0	12,0	-	1	347.2000	170,37
24	3	160	38	18,0	14,5	-	1	347.2400	315,15

HSSE-PM 1400 Machine tap, metric, DIN 371, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
3	0,5	56	5	3,5	2,7	18	1	347.0300C	35,31
4	0,7	63	7	4,5	3,4	21	1	347.0400C	35,72
5	0,8	70	8	6,0	4,9	25	1	347.0500C	38,43

1400

Execution: High performance HSSE-PM (powder metallurgical steel) machine taps according to DIN 371, ISO 2 (6H), G337, form C lead chamfer, TiCN-coating for faster cutting conditions and improved tool life. PM machine taps have much higher toughness and wear resistance compared to HSS-E taps.

Application: For tapping of (high) alloyed steels like Hardox, Weldox etc. with tensile strength < 1.400 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
6	1	80	10	6,0	4,9	30	1	347.0600C	39,60
8	1,25	90	13	8,0	6,2	35	1	347.0800C	47,27
10	1,5	100	15	10,0	8,0	39	1	347.1000C	61,95

HSSE-PM 1400 Machine tap, metric, DIN 376, spiral



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
12	1,75	110	18	9,0	7,0	-	1	347.1200C	93,25
16	2	110	20	12,0	9,0	-	1	347.1600C	134,22

1400

Execution: High performance HSSE-PM (powder metallurgical steel) machine taps according to DIN 376, ISO 2 (6H), 15° spiral helix, form C lead chamfer, TiCN-coating for faster cutting conditions and improved tool life. PM machine taps have much higher toughness and wear resistance compared to HSS-E taps.

Application: For tapping of (high) alloyed steels like Hardox, Weldox etc. with tensile strength < 1.400 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
20	2,5	140	25	16,0	12,0	-	1	347.2000C	208,03
24	3	160	30	18,0	14,5	-	1	347.2400C	283,90

333

HSS-E UNI Machine tap, metric, DIN 371, gun



UNI

Execution: HSS-E machine taps with interrupted cut, according to DIN 371 with reinforced shank (up to M10) and DIN 376 with reduced shank, for metric thread in through holes, form B lead chamfer, bright finish.

Application: For tapping in mild steel (<800 N/mm²), aluminium, brass and bronze.
Material groups : 1.1 - 1.3 / 4.1 - 4.10

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
3	0,5	56	10	3,5	2,7	18	1	333.0300	28,61
4	0,7	63	12	4,5	3,4	21	1	333.0400	29,01
5	0,8	70	14	6,0	4,9	25	1	333.0500	30,53
6	1	80	18	6,0	4,9	30	1	333.0600	30,53

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
8	1,25	90	20	8,0	6,2	35	1	333.0800	35,65
10	1,5	100	20	10,0	8,0	39	1	333.1000	45,61
12	1,75	110	29	9,0	7,0	-	1	333.1200	64,66

330

HSS-E 800 Machine tap, metric left, DIN 371, gun



800

Execution: HSS-E machine taps according to DIN 371, for left handed metric thread in through holes, ISO 2 (6H), form B lead chamfer, bright finish

Application: For tapping (alloyed) steels with tensile strength < 800 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
3	0,5	56	10	3,5	2,7	18	1	330.0300L	40,09
4	0,7	63	12	4,5	3,4	21	1	330.0400L	40,09
5	0,8	70	14	6,0	4,9	25	1	330.0500L	41,69

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
6	1	80	18	6,0	4,9	30	1	330.0600L	41,69
8	1,25	90	20	8,0	6,2	35	1	330.0800L	50,90
10	1,5	100	20	10,0	8,0	39	1	330.1000L	57,30

HSS-E 800 Machine tap, metric left, DIN 376, gun



800

Execution: HSS-E machine taps according to DIN 376, for left handed metric thread in through holes, ISO 2 (6H), form B lead chamfer, bright finish.

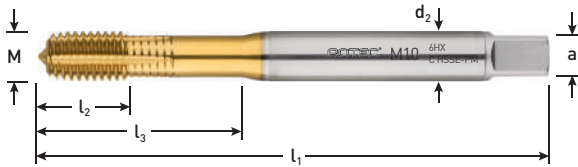
Application: For tapping (alloyed) steels with tensile strength < 800 N/mm²
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
12	1,75	110	24	9,0	7,0	-	1	330.1200L	72,16
14	2	110	25	11,0	9,0	-	1	330.1400L	115,32
16	2	110	32	12,0	9,0	-	1	330.1600L	106,20

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
18	2,5	125	32	14,0	11,0	-	1	330.1800L	200,31
20	2,5	140	32	16,0	12,0	-	1	330.2000L	204,40

353

HSSE-PM Roll forging tap, metric, coated (TiN)



Execution: High performance HSSE-PM (powder metallurgical steel) roll form taps according to DIN 371 (up to M10) and DIN 376 (M12 and up), ISO2 (6HX), with coolant grooves, TiN-coating for faster cutting conditions and improved tool life.

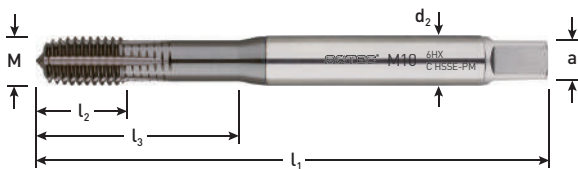
Application: For (synchro) roll forming of threads (up to 3xD deep) in through and blind holes in a vast range of materials. Very versatile.
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3 - 4.1 - 4.2 - 4.3 - 4.4 - 4.5 - 5.1



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
2	0,4	45	8	2,8	2,1	8	1	353.0200	63,97
2,5	0,45	50	9	2,8	2,1	9	1	353.0250	63,97
3	0,5	56	10	3,5	2,7	18	1	353.0300	41,25
4	0,7	63	7	4,5	3,4	21	1	353.0400	41,25
5	0,8	70	8	6,0	4,9	25	1	353.0500	45,50

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
6	1	80	10	6,0	4,9	30	1	353.0600	47,72
8	1,25	90	13	8,0	6,2	35	1	353.0800	58,26
10	1,5	100	15	10,0	8,0	39	1	353.1000	71,19
12	1,75	110	18	9,0	7,0	-	1	353.1200	89,33
16	2	110	20	12,0	9,0	-	1	353.1600	134,62

HSSE-PM Roll forging tap, metric, coated (TiCN)



Execution: High performance HSSE-PM (powder metallurgical steel) roll form taps according to DIN 371, ISO2 (6HX), with coolant grooves, TiCN-coating for faster cutting conditions and improved tool life.

Application: For (synchro) roll forming of threads (up to 3xD deep) in through and blind holes in a vast range of materials. Very versatile.
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3 - 4.1 - 4.2 - 4.3 - 4.4 - 4.5 - 5.1



M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
3	0,5	56	10	3,5	2,7	18	1	353.0300T	43,75
4	0,7	63	7	4,5	3,4	21	1	353.0400T	43,75
5	0,8	70	8	6,0	4,9	25	1	353.0500T	48,06

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
6	1	80	10	6,0	4,9	30	1	353.0600T	50,47
8	1,25	90	13	8,0	6,2	35	1	353.0800T	61,74
10	1,5	100	15	10,0	8,0	39	1	353.1000T	75,60

HSSE-PM Roll forging tap, metric, coated (TiCN), coolant through



Execution: High performance HSSE-PM (powder metallurgical steel) roll form taps according to DIN 371, ISO2 (6HX), with coolant grooves, TiCN-coating for faster cutting conditions and improved tool life. Coolant through for better lubrication and chip evacuation.

Application: For (synchro) roll forming of threads (up to 3xD deep) in through and blind holes in a vast range of materials. Very versatile.
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3 - 4.1 - 4.2 - 4.3 - 4.4 - 4.5 - 5.1

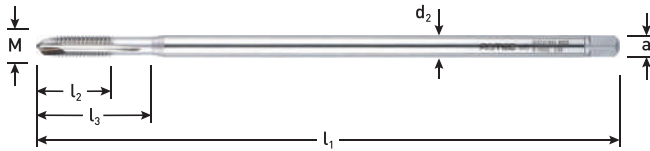


M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
5	0,8	70	8	6,0	4,9	25	1	353.0500TK	81,96
6	1	80	10	6,0	4,9	30	1	353.0600TK	85,56

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
8	1,25	90	13	8,0	6,2	35	1	353.0800TK	103,81
10	1,5	100	15	10,0	8,0	39	1	353.1000TK	125,76

349

HSS-E Machine tap, metric, extra long



Execution: Extra long HSS-E machine taps according to DIN 371-EL (up to M6) and DIN 376-EL (M8 and up), metric thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
3	0,5	100	10	3,5	2,7	18	1	349.0300	41,13
4	0,7	125	12	4,5	3,0	21	1	349.0400	41,60
5	0,8	140	14	6,0	4,9	25	1	349.0500	43,97
6	1	160	18	6,0	4,9	30	1	349.0600	43,97
8	1,25	180	20	6,0	4,9	-	1	349.0800	50,94

M	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/ PU
10	1,5	200	22	7,0	5,5	-	1	349.1000	65,79
12	1,75	220	29	9,0	7,0	-	1	349.1200	92,66
14	2	220	30	11,0	9,0	-	1	349.1400	133,23
16	2	220	32	12,0	9,0	-	1	349.1600	135,67

350

HSS Machine tap, metric, long



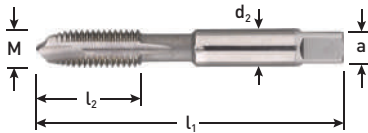
Execution: Long HSS machine taps according to DIN 357, metric thread, ISO2 (6H), form A lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

M	p	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/ PU
3	0,5	70	22	2,2	-	1	350.0300	26,70
4	0,7	90	25	2,8	2,1	1	350.0400	25,26
5	0,8	100	28	3,5	2,7	1	350.0500	26,70
6	1	110	32	4,5	3,4	1	350.0600	28,51

M	p	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/ PU
8	1,25	125	40	6,3	4,9	1	350.0800	31,91
10	1,5	140	45	8,0	5,5	1	350.1000	36,65
12	1,75	180	50	9,0	7,0	1	350.1200	46,16

327 HSS-E Machine tap, metric, short



Execution: Short HSS-E machine taps according to ISO 529, metric thread, form B lead chamfer, bright finish.

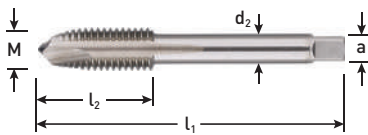
Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4



M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
3	0,5	48	11	3,15	2,5	1	327.0300	13,10
4	0,7	53	13	4,0	3,15	1	327.0400	13,10
5	0,8	58	16	5,0	4,0	1	327.0500	14,28
6	1	66	19	6,3	5,0	1	327.0600	14,67

M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
8	1,25	72	22	8,0	6,3	1	327.0800	18,65
10	1,5	80	24	10,0	8,0	1	327.1000	23,00
12	1,75	89	29	9,0	7,1	1	327.1200	32,54

328 HSS-E Machine tap, metric, extra short



Execution: Short HSS-E machine taps according to DIN 352, metric thread, form B lead chamfer, bright finish.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4



M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
3	0,5	40	11	3,5	2,7	1	328.0300	8,04
4	0,7	40	13	4,5	3,4	1	328.0400	8,04
5	0,8	48	16	6,0	4,9	1	328.0500	8,04
6	1	50	19	6,0	4,9	1	328.0600	8,58

M	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€ / PU
8	1,25	56	22	6,0	4,9	1	328.0800	10,79
10	1,5	70	24	7,0	5,5	1	328.1000	12,66
12	1,75	75	29	9,0	7,0	1	328.1200	16,43

Threading set, metric [M], in plastic case



Description	Content	pcs/PU	Item no.	€ / PU
26 piece hand tap and die set	1x tap M3, M4, M5, M6, M8, M10 and M12 1x thread dies M3, M4, M5, M6, M8, M10 and M12 1x HSS jobber drill bit ø2.5, ø3.3, ø4.2, ø5.0, ø6.8, ø8.5 and ø10.2mm 1x die stock, size ø25x9 1x tap wrench, size Nr.2 1x ratcheting tap wrench, size Nr.1 1x thread gauge (metric) 1x screwdriver	1	900.2026	170,84

335

HSS-E 800 Machine tap, metric fine, DIN 371, gun



800

Execution: HSS-E machine taps according to DIN 371, metric fine thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in [alloyed] steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
4	0,5	63	12	4,5	3,4	21	1	335.0405	31,06
5	0,5	70	14	6,0	4,9	25	1	335.0505	45,34
6	0,75	80	14	6,0	4,9	30	1	335.0607	45,07
7	0,75	80	18	7,0	5,5	30	1	335.0707	36,82

MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€/PU
8	0,75	80	18	8,0	6,2	30	1	335.0807	46,69
8	1	90	20	8,0	6,2	35	1	335.0810	42,32
10	1	90	20	10,0	8,0	35	1	335.1010	46,41
10	1,25	100	20	10,0	8,0	39	1	335.1012	51,74

HSS-E 800 Machine tap, metric fine, DIN 374, gun



800

Execution: HSS-E machine taps according to DIN 374, metric fine thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in [alloyed] steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

MF	p	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
5	0,75	70	12	3,5	2,7	1	335.0507	46,15
6	0,5	80	14	4,5	3,4	1	335.0605	46,15
9	1	90	20	8,0	6,2	1	335.0910	35,34
10	0,75	90	20	7,0	5,5	1	335.1007	48,47
12	1	100	20	9,0	7,0	1	335.1210	57,94
12	1,25	100	20	9,0	7,0	1	335.1212	65,88
12	1,5	100	20	9,0	7,0	1	335.1215	53,12
13	1	100	20	11,0	9,0	1	335.1310	68,42
13	1,5	100	20	11,0	9,0	1	335.1315	68,42
14	1	100	20	11,0	9,0	1	335.1410	72,57
14	1,25	100	20	11,0	9,0	1	335.1412	66,42
14	1,5	100	20	11,0	9,0	1	335.1415	72,57
15	1	100	20	12,0	9,0	1	335.1510	79,47
15	1,5	100	20	12,0	9,0	1	335.1515	79,47
16	1	100	20	12,0	9,0	1	335.1610	84,30
16	1,25	100	22	12,0	9,0	1	335.1612	127,47
16	1,5	100	20	12,0	9,0	1	335.1615	74,50
18	1	110	24	14,0	11,0	1	335.1810	115,49
18	1,25	110	24	14,0	11,0	1	335.1812	96,03
18	1,5	110	24	14,0	11,0	1	335.1815	88,74
18	2	125	24	14,0	11,0	1	335.1820	125,31
20	1,5	125	24	16,0	12,0	1	335.2015	103,44

MF	p	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
20	2	125	24	16,0	12,0	1	335.2020	152,59
22	1	125	25	18,0	14,5	1	335.2210	153,77
22	1,5	125	24	18,0	14,5	1	335.2215	147,46
22	2	125	24	18,0	14,5	1	335.2220	160,90
24	1	140	27	18,0	14,5	1	335.2410	149,00
24	1,5	140	27	18,0	14,5	1	335.2415	136,48
24	2	140	28	18,0	14,5	1	335.2420	149,00
25	1,5	140	27	18,0	14,5	1	335.2515	241,75
26	1,5	140	27	18,0	14,5	1	335.2615	286,70
27	1,5	140	27	20,0	16,0	1	335.2715	225,54
27	2	140	27	20,0	16,0	1	335.2720	294,72
30	1	150	27	22,0	18,0	1	335.3010	418,23
30	1,5	150	27	22,0	18,0	1	335.3015	214,27
30	2	150	28	22,0	18,0	1	335.3020	233,74
32	1,5	150	27	22,0	18,0	1	335.3215	233,74
33	1,5	160	30	25,0	20,0	1	335.3315	422,34
36	1,5	170	30	28,0	22,0	1	335.3615	318,12
36	2	170	30	28,0	22,0	1	335.3620	488,52
38	1,5	170	24	28,0	22,0	1	335.3815	467,46
40	1,5	170	25	32,0	24,0	1	335.4015	384,10
50	1,5	190	27	36,0	29,0	1	335.5015	934,83
63	1,5	275	40	50,0	39,0	1	335.6315	2.089,42

HSS-E 800 Machine tap, metric fine, DIN 374, spiral



800

Execution: HSS-E machine taps according to DIN 374, metric fine thread, ISO2 (6H), 40° spiral helix, form C lead chamfer, uncoated.

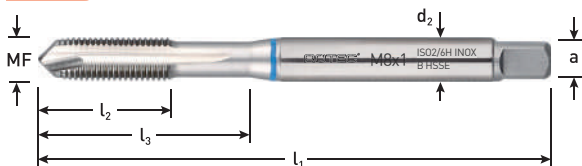
Application: For tapping of blind holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4



MF	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€/PU
6	0,75	80	8	6,0	4,9	1	335.0607C	39,88
8	0,75	80	8	8,0	4,9	1	335.0807C	54,40
8	1	90	10	6,0	4,9	1	335.0810C	50,87
10	1	90	10	7,0	5,5	1	335.1010C	54,16
10	1,25	100	15	7,0	5,5	1	335.1012C	56,97
12	1	100	10	9,0	7,0	1	335.1210C	66,52
12	1,25	100	15	9,0	7,0	1	335.1212C	83,80

MF	p	l ₁	l ₂	d ₂	a	pcs/PU	Item no.	€/PU
12	1,5	100	15	9,0	7,0	1	335.1215C	64,04
14	1,5	100	15	11,0	9,0	1	335.1415C	87,53
16	1,5	100	15	12,0	9,0	1	335.1615C	82,06
20	1,5	125	17	16,0	12,0	1	335.2015C	113,83
22	1,5	125	17	18,0	14,5	1	335.2215C	162,23
24	1,5	140	20	18,0	14,5	1	335.2415C	181,36

3351 HSS-E INOX Machine tap, metric fine, DIN 371, gun



INOX 1000

Execution: HSS-E machine taps according to DIN 371, metric fine thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3



MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
5	0,5	70	14	6,0	4,9	25	1	335.0505I	48,25
6	0,75	80	14	6,0	4,9	30	1	335.0607I	36,29
8	0,75	80	18	8,0	6,2	30	1	335.0807I	37,75

MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
8	1	90	20	8,0	6,2	35	1	335.0810I	36,62
10	1	90	20	10,0	8,0	35	1	335.1010I	43,25
10	1,25	100	20	10,0	8,0	39	1	335.1012I	48,21

HSS-E INOX Machine tap, metric fine, DIN 374, gun



INOX 1000

Execution: HSS-E machine taps according to DIN 374, for metric fine thread in through holes, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3



MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
12	1	100	20	9,0	7,0	-	1	335.1210I	58,47
12	1,25	100	20	9,0	7,0	-	1	335.1212I	66,49
12	1,5	100	20	9,0	7,0	-	1	335.1215I	58,47
14	1	100	20	11,0	9,0	-	1	335.1410I	79,94
14	1,25	100	20	11,0	9,0	-	1	335.1412I	73,11
14	1,5	100	20	11,0	9,0	-	1	335.1415I	79,94
16	1,25	100	20	12,0	9,0	-	1	335.1612I	85,43

MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
16	1,5	100	20	12,0	9,0	-	1	335.1615I	82,06
18	1	110	24	14,0	11,0	-	1	335.1810I	127,13
18	1,5	110	24	14,0	11,0	-	1	335.1815I	97,73
20	1,5	125	24	16,0	12,0	-	1	335.2015I	113,83
22	1,5	125	24	18,0	14,5	-	1	335.2215I	162,23
24	1,5	140	27	18,0	14,5	-	1	335.2415I	150,31
25	1,5	140	27	18,0	14,5	-	1	335.2515I	331,61

HSS-E INOX Machine tap, metric fine, DIN 374, spiral



INOX 1000

Execution: HSS-E machine taps according to DIN 374, metric fine thread, ISO2 (6H), 40° spiral helix, form C lead chamfer, uncoated.

Application: For tapping of blind holes in stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

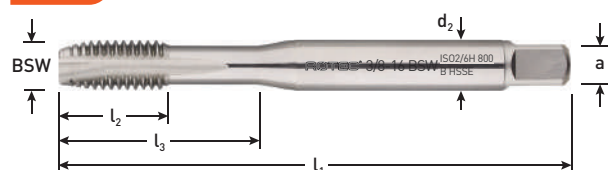


MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
8	1	90	10	6,0	4,9	-	1	335.0810IC	43,92
10	1	90	10	7,0	5,5	-	1	335.1010IC	47,48
12	1,5	100	15	9,0	7,0	-	1	335.1215IC	64,23
14	1,5	100	15	11,0	9,0	-	1	335.1415IC	87,87

MF	p	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
16	1,5	100	15	12,0	9,0	-	1	335.1615IC	90,18
20	1,5	125	17	16,0	12,0	-	1	335.2015IC	125,28
24	1,5	140	20	18,0	14,5	-	1	335.2415IC	165,27

337

HSS-E 800 Machine tap, BSW (Whitworth), DIN 371, gun



800

Execution: HSS-E machine taps according to DIN 371, BSW (Whitworth) thread, form B lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4



BSW	P	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
1/8	40	56	10	3,5	2,7	18	1	337.0006	29,03
5/32	32	63	13	4,5	3,4	21	1	337.0008	27,87
3/16	24	70	14	6,0	4,9	25	1	337.0010	29,03
1/4	20	80	18	7,0	5,5	32	1	337.0014	29,03

BSW	P	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
5/16	18	90	20	8,0	6,2	35	1	337.0016	35,26
3/8	16	100	21	9,0	7,0	39	1	337.0018	41,15
7/16	14	100	22	11,0	9,0	-	1	337.0020	47,44
1/2	12	110	25	12,0	9,0	-	1	337.0022	48,88

HSS-E 800 Machine tap, BSW (Whitworth), DIN 376, gun



800

Execution: HSS-E machine taps according to DIN 376, BSW (Whitworth) thread, form B lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

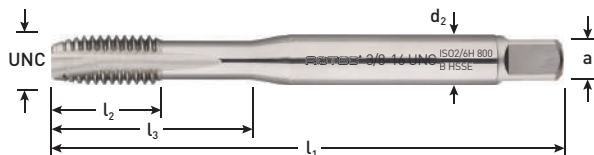


BSW	P	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
9/16	12	110	26	11,0	9,0	-	1	337.0024	70,52
5/8	11	110	27	12,0	9,0	-	1	337.0026	70,52
3/4	10	125	30	14,0	11,0	-	1	337.0030	146,77

BSW	P	l ₁	l ₂	d ₂	a	l ₃	pcs/pu	Item no.	€ / PU
7/8	9	140	32	18,0	14,5	-	1	337.0034	166,43
1	8	160	36	20,0	16,0	-	1	337.0038	187,91

338

HSS-E 800 Machine tap, UNC, DIN 371, gun



UNC	P	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
Nr. 4	40	56	10	3,5	2,7	18	1	338.0040	27,87
Nr. 5	40	56	10	3,5	2,7	18	1	338.0050	26,19
Nr. 6	32	56	12	4,0	3,0	20	1	338.0060	27,49
Nr. 8	32	63	12	4,5	3,4	21	1	338.0080	27,49
Nr.10	24	70	14	6,0	4,9	25	1	338.0100	27,75

800

Execution: HSS-E machine taps according to DIN 371, UNC thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNC	P	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
Nr.12	24	80	18	6,0	4,9	30	1	338.0120	27,42
1/4	20	80	18	7,0	5,5	32	1	338.0140	27,87
5/16	18	90	20	8,0	6,2	35	1	338.0160	31,72
3/8	16	100	21	10,0	8,0	39	1	338.0180	37,35

HSS-E 800 Machine tap, UNC, DIN 376, gun



UNC	P	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
7/16	14	100	22	8,0	6,2	-	1	338.0200	53,12
1/2	13	110	24	9,0	7,0	-	1	338.0220	53,12
9/16	12	110	25	11,0	9,0	-	1	338.0240	76,15
5/8	11	110	32	12,0	9,0	-	1	338.0260	71,25

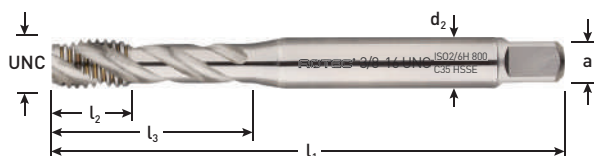
800

Execution: HSS-E machine taps according to DIN 376, UNC thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNC	P	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
3/4	10	125	32	14,0	11,0	-	1	338.0280	103,44
7/8	9	140	32	18,0	14,5	-	1	338.0300	154,76
1	8	160	36	18,0	14,5	-	1	338.0320	136,48
1.1/4	7	180	45	22,0	18,0	-	1	338.0360	283,47

HSS-E 800 Machine tap, UNC, DIN 371, spiral



800

Execution: HSS-E machine taps according to DIN 371, 40° spiral helix, UNC thread, ISO2 (6H), form C lead chamfer, uncoated.

Application: For tapping of blind holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNC	P	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
1/4	20	80	18	7,0	5,5	13	1	338.0140C	36,74
5/16	18	90	20	8,0	6,2	13	1	338.0160C	42,66
3/8	16	100	21	10,0	8,0	15	1	338.0180C	46,90

HSS-E 800 Machine tap, UNC, DIN 376, spiral



800

Execution: HSS-E machine taps according to DIN 376, 40° spiral helix, UNC thread, ISO2 (6H), form C lead chamfer, uncoated.

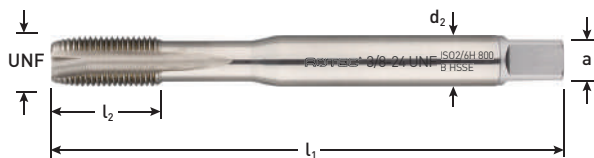
Application: For tapping of blind holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNC	P	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
7/16	14	100	20	8,0	6,2	-	1	338.0200C	59,24
1/2	13	110	24	9,0	7,0	-	1	338.0220C	59,68
9/16	12	110	28	11,0	9,0	-	1	338.0240C	83,77
5/8	11	110	30	12,0	9,0	-	1	338.0260C	85,32

UNC	P	l ₁	l ₂	d ₂	a	l ₃	pcs/PU	Item no.	€/PU
3/4	10	125	32	14,0	11,0	-	1	338.0280C	178,17
7/8	9	140	32	18,0	14,5	-	1	338.0300C	277,66
1	8	160	36	18,0	14,5	-	1	338.0320C	340,02
1.1/4	7	180	40	22,0	18,0	-	1	338.0360C	577,22

339

HSS-E 800 Machine tap, UNF, DIN 371, gun



800

Execution: HSS-E machine taps according to DIN 371, UNF thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNF	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€ / PU
Nr. 4	48	50	10	3,5	2,7	1	339.0040	28,68
Nr. 6	40	56	10	4,0	3,0	1	339.0060	28,68
Nr. 8	36	63	12	4,5	3,4	1	339.0080	28,68
Nr.10	32	70	14	6,0	4,9	1	339.0100	31,99
1/4	28	80	18	7,0	5,5	1	339.0140	35,10
5/16	24	90	20	8,0	6,2	1	339.0160	36,55
3/8	24	100	21	10,0	8,0	1	339.0180	43,25

HSS-E 800 Machine tap, UNF, DIN 376, gun



800

Execution: HSS-E machine taps according to DIN 376, UNF thread, ISO2 (6H), form B lead chamfer, uncoated.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNF	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€ / PU
7/16	20	100	20	8,0	6,2	1	339.0200	54,96
1/2	20	100	20	9,0	7,0	1	339.0220	61,13
9/16	18	100	20	11,0	9,0	1	339.0240	70,52
5/8	18	100	20	12,0	9,0	1	339.0260	73,48
3/4	16	110	25	14,0	11,0	1	339.0280	142,19
7/8	14	140	26	18,0	14,5	1	339.0300	168,02
1	12	150	28	20,0	16,0	1	339.0320	187,91

HSS-E 800 Machine tap, UNF, DIN 371, spiral



800

Execution: HSS-E machine taps according to DIN 371, 40° spiral helix, UNF thread, ISO2 (6H), form C lead chamfer, uncoated.

Application: For tapping of blind holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNF	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€ / PU
Nr.10	32	70	14	6,0	4,9	1	339.0100C	44,63
1/4	28	80	18	7,0	5,5	1	339.0140C	36,74
5/16	24	90	20	8,0	6,2	1	339.0160C	44,46
3/8	24	100	20	10,0	8,0	1	339.0180C	48,88

HSS-E 800 Machine tap, UNF, DIN 376, spiral



800

Execution: HSS-E machine taps according to DIN 376, 40° spiral helix, UNF thread, ISO2 (6H), form C lead chamfer, uncoated.

Application: For tapping of blind holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNF	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€ / PU
7/16	20	100	20	8,0	6,2	1	339.0200C	59,24
1/2	20	100	20	9,0	7,0	1	339.0220C	59,24
9/16	18	100	20	11,0	9,0	1	339.0240C	85,32
3/4	16	110	25	14,0	11,0	1	339.0280C	170,99
7/8	14	140	26	18,0	14,5	1	339.0300C	277,66
1	12	150	28	20,0	16,0	1	339.0320C	340,02

341

HSS-E 800 Machine tap, BSP, gun



BSP	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/8	28	90	18	7,0	5,5	1	341.0125	43,77
1/4	19	100	22	11,0	9,0	1	341.0250	74,90
3/8	19	100	22	12,0	9,0	1	341.0375	77,48
1/2	14	125	25	16,0	12,0	1	341.0500	103,44
5/8	14	125	25	18,0	14,5	1	341.0625	157,78
3/4	14	140	28	20,0	16,0	1	341.0750	174,57

800

Execution: HSS-E machine taps according to DIN 5156, BSP thread, ISO2 (6H), form B lead chamfer, uncoated

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

BSP	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
7/8	14	150	28	22,0	18,0	1	341.0875	172,77
1	11	160	30	25,0	20,0	1	341.1000	257,04
1.1/4	11	170	25	32,0	24,0	1	341.1250	405,47
1.1/2	11	190	32	36,0	29,0	1	341.1500	561,57
2	11	220	40	45,0	35,0	1	341.2000	945,74

HSS-E 800 Machine tap, BSP, spiral



BSP	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/8	28	90	10	7,0	5,5	1	341.0125C	48,21
1/4	19	100	14	11,0	9,0	1	341.0250C	86,35
3/8	19	100	15	12,0	9,0	1	341.0375C	85,23
1/2	14	125	17	16,0	12,0	1	341.0500C	113,83
5/8	14	125	17	18,0	14,5	1	341.0625C	168,77
3/4	14	140	20	20,0	16,0	1	341.0750C	191,95

800

Execution: HSS-E machine taps according to DIN 5156, 40° spiral helix, BSP thread, ISO2 (6H), form C lead chamfer, uncoated.

Application: For tapping of blind holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

BSP	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
7/8	14	150	22	22,0	18,0	1	341.0875C	236,05
1	11	160	24	25,0	20,0	1	341.1000C	266,54
1.1/4	11	170	25	32,0	24,0	1	341.1250C	532,02
1.1/2	11	190	27	36,0	29,0	1	341.1500C	1.082,83
2	11	220	40	45,0	35,0	1	341.2000C	1.508,80

323

HSS-E OPT-LINE Machine tap, BSP, gun



BSP	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/8	28	90	18	7,0	5,5	1	323.0125	35,02
1/4	19	100	22	11,0	9,0	1	323.0250	59,91
3/8	19	100	22	12,0	9,0	1	323.0375	61,98

OPTI

Execution: HSS-E machine taps according to DIN 5156, BSP thread, ISO2 (6H), form B lead chamfer, uncoated

Application: For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4

BSP	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/2	14	125	25	16,0	12,0	1	323.0500	82,75
3/4	14	140	28	20,0	16,0	1	323.0750	139,67
1	11	160	30	25,0	20,0	1	323.1000	181,92

342

HSS-E Machine tap, BSPT, blind and through holes



Execution: HSS-E machine taps, BSPT thread, form C lead chamfer, uncoated. Suitable for both blind and through holes. Taper 1:16

Application: For tapping of through and blind (<1.5xD) holes in (alloyed) steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3



BSPT	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/8	28	90	20	7,0	5,5	1	342.0002	62,66
1/4	19	100	22	11,0	9,0	1	342.0004	90,69
3/8	19	100	22	12,0	9,0	1	342.0006	122,78

BSPT	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/2	14	125	28	16,0	12,0	1	342.0008	212,93
3/4	14	140	28	20,0	16,0	1	342.0010	343,94
1	11	160	38	25,0	20,0	1	342.0012	363,18

343

HSS-E Machine tap, NPT, blind and through holes



Execution: HSS-E machine taps, NPT thread, form C lead chamfer, uncoated. Suitable for both blind and through holes.

Application: For tapping of through and blind (<1.5xD) holes in (alloyed) steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3

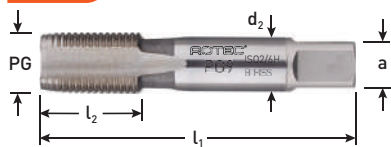


NPT	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/16	27	90	20	6,0	4,9	1	343.0020	84,54
1/8	27	90	20	7,0	5,5	1	343.0040	68,18
1/4	18	100	22	11,0	9,0	1	343.0060	68,52
3/8	18	100	22	12,0	9,0	1	343.0080	79,18

NPT	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
1/2	14	125	28	16,0	12,0	1	343.0100	128,27
3/4	14	140	28	20,0	16,0	1	343.0120	231,13
1	11,5	160	38	25,0	20,0	1	343.0140	365,66

345

HSS-E Machine tap, PG, blind and through holes



Execution: HSS-E machine taps, PG thread, form C lead chamfer, uncoated. Suitable for both blind and through holes.

Application: For tapping of through and blind (<1.5xD) holes in (alloyed) steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3

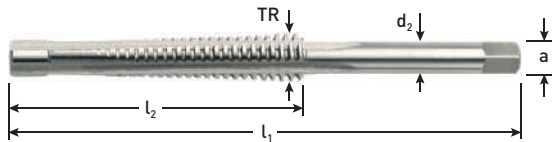


PG	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
7	20	70	22	9,0	7,0	1	345.0700	30,78
9	18	70	22	12,0	9,0	1	345.0900	41,02
11	18	80	22	14,0	11,0	1	345.1100	67,32
13,5	18	80	22	16,0	12,0	1	345.1350	80,14

PG	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
16	18	80	22	18,0	14,5	1	345.1600	96,15
21	16	90	22	22,0	18,0	1	345.2100	163,01
29	16	100	25	28,0	22,0	1	345.2900	372,94
36	16	140	40	36,0	29,0	1	345.3600	805,34

356

HSS-E Machine tap, Trapezium (TR), gun



Execution: HSS-E Machine taps, for trapezium threads up to 1xD, long 20-24 threads lead chamfer, uncoated. For threads with 7H tolerance, large clearance threads. For through holes only.

Application: For tapping of through holes in (alloyed) steels with tensile strength < 700 N/mm². Material groups : 1.1 - 1.2 - 1.3

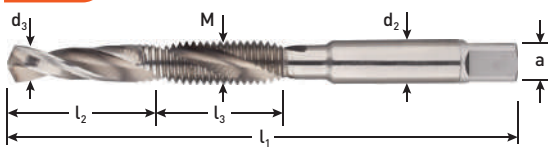


TR	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
12	3	165	111	8	6,2	1	356.1200	547,76
14	3	140	85	10	8	1	356.1400	583,32
16	4	180	116	11	9	1	356.1600	638,23
18	4	190	120	12	9	1	356.1800	652,84

TR	P	l ₁	l ₂	d ₂	a	pcs/pu	Item no.	€/PU
20	4	200	124	14	11	1	356.2000	679,43
22	5	235	155	16	12	1	356.2200	879,90
24	5	245	160	18	14,5	1	356.2400	1.012,30

355

HSS-E Combi-drill-tap-bit, metric



Execution: HSS-E combi tap drill bits for quick and easy drilling a hole and tapping a thread in one operation. Cylindrical shanks with square thread according to DIN 10 (machine tap shanks),

Application: For through holes.

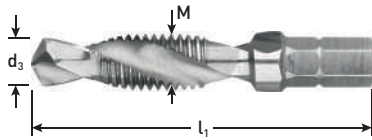


M	p	d ₃	l ₁	l ₂	l ₃	d ₂	a	pcs/pu	Item no.	€/PU
3	0,5	2,4	56	16	11	3,0	2,5	1	355.0300	31,48
4	0,7	3	63	18	14	4,0	3,3	1	355.0400	30,40
5	0,8	3,8	70	20	18	5,0	4,2	1	355.0500	30,40
6	1,0	4,9	80	22	22	6,0	5	1	355.0600	33,95
8	1,25	6,2	90	26	25	8,0	6,8	1	355.0800	39,13
10	1,5	8	100	30	31	10,0	8,5	1	355.1000	42,26
12	1,75	9	115	32	35	12,0	10,2	1	355.1200	50,07

316

HSS Combi-drill-tap-bit 1/4"-bit shank, metric

ROTEC®



Execution: HSS-G combi tap drill bits for quickly drilling a hole, tapping a thread and deburring in one operation. The 1/4" hexagonal shanks (according to DIN 3126-C6.3) can also be used in drill chucks.

Application: For use on plastics, non-ferrous metals and steels. Ideal for portable (cordless) power tools.



M	p	l ₁	d ₃	pcs/pu	Item no.	€ / PU
3	0,5	36	2,5	1	316.0300	16,56
4	0,7	39	3,3	1	316.0400	16,56
5	0,8	41	4,2	1	316.0500	16,56
6	1,0	44	5,0	1	316.0600	16,56
8	1,25	50	6,8	1	316.0800	16,74
10	1,5	59	8,5	1	316.1000	19,98

900

HSS Combi-drill-tap-bit set 1/4"-bit shank, metric, in ABS-cassette

ROTEC®



Execution: Set with HSS combi tap drill bits with 1/4" hexagonal shank according to DIN 3126-C6.3. Can also be used in drill chucks Ideal for portable (cordless) power tools. In plastic cassette.

Description	Type	Content	pcs/pu	Item no.	€ / PU
7 piece combi tap and drill bit set	316	1x M3, M4, M5, M6, M8 and M10 1x Hexagonal bit socket holder.	1	900.2030	106,56

360

HSS Round thread die, metric



Execution: HSS round thread dies, according to DIN-EN 22568, for metric threads.
Application: For tapping of (alloyed) steels with tensile strength < 800 N/mm².
 Material groups : 1.1 - 1.2 - 1.3 - 4.2



M	p	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
2	0,4	16	5	1	360.0200	34,40
2,5	0,45	16	5	1	360.0250	37,50
3	0,5	20	5	1	360.0300	16,78
3,5	0,6	20	5	1	360.0350	20,21
4	0,7	20	5	1	360.0400	15,74
4,5	0,75	20	7	1	360.0450	20,21
5	0,8	20	7	1	360.0500	16,18
6	1,0	20	7	1	360.0600	16,18
7	1,0	25	9	1	360.0700	22,30
8	1,25	25	9	1	360.0800	18,24
9	1,25	25	9	1	360.0900	24,03
10	1,5	30	11	1	360.1000	23,26
11	1,5	30	11	1	360.1100	29,40

M	p	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
12	1,75	38	14	1	360.1200	29,62
14	2,0	38	14	1	360.1400	29,62
16	2,0	45	18	1	360.1600	53,26
18	2,5	45	18	1	360.1800	53,26
20	2,5	45	18	1	360.2000	53,26
22	2,5	55	22	1	360.2200	109,69
24	3,0	55	22	1	360.2400	109,69
27	3,0	65	25	1	360.2700	169,75
30	3,5	65	25	1	360.3000	156,45
33	3,5	65	25	1	360.3300	176,83
36	4,0	65	25	1	360.3600	176,83
39	4,0	75	30	1	360.3900	238,75
42	4,5	75	30	1	360.4200	222,64

900

Round thread die set, metric, in ABS-cassette



Execution: HSS round thread dies, according to DIN-EN 22568, for metric threads.
Application: For tapping of (alloyed) steels with tensile strength < 800 N/mm².
 Material groups : 1.1 - 1.2 - 1.3 - 4.2

Description	Type	Content	pcs/PU	Item no.	€ / PU
7 pc threading die set	360	HSS round threading dies (360): 1x M3, M4, M5, M6, M8, M10 and M12	1	900.2050	102,38

900

Thread die and die stock set, metric, in metal case



Execution: HSS round thread dies, according to DIN-EN 22568, for metric threads.
Application: For tapping of (alloyed) steels with tensile strength < 800 N/mm².
 Material groups : 1.1 - 1.2 - 1.3 - 4.2

Description	Content	pcs/PU	Item no.	€ / PU
12 pc threading die set	HSS Dies (360): 1x M3, M4, M5, M6, M8, M10 and M12 Die stocks: 1x ø20x5, ø20x7, ø25x9, ø30x11 and ø38x14	1	900.2025	179,38

360

HSS-E Round thread die 'INOX', metric



INOX

Execution: HSS-E round thread dies, according to DIN-EN 22568, for metric threads.

Application: For tapping of stainless steel and (alloyed) steels with tensile strength < 1.000 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 4.2 - 4.3



M	p	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
3	0,5	20	5	1	360.0300B	33,58
4	0,7	20	5	1	360.0400B	31,57
5	0,8	20	7	1	360.0500B	32,29
6	1,0	20	7	1	360.0600B	32,29
8	1,25	25	9	1	360.0800B	34,86
10	1,5	30	11	1	360.1000B	44,54
12	1,75	38	14	1	360.1200B	56,73
14	2,0	38	14	1	360.1400B	56,73

M	p	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
16	2,0	45	18	1	360.1600B	102,27
18	2,5	45	18	1	360.1800B	102,27
20	2,5	45	18	1	360.2000B	102,27
22	2,5	55	22	1	360.2200B	193,10
24	3,0	55	22	1	360.2400B	193,10
27	3,0	65	25	1	360.2700B	298,86
30	3,5	65	25	1	360.3000B	358,59

HSS Round thread die, metric left



Execution: HSS round thread dies, according to DIN-EN 22568, for left-handed metric threads.

Application: For tapping of (alloyed) steels with tensile strength < 800 N/mm².
Material groups : 1.1 - 1.2 - 1.3 - 4.2



M	p	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
3	0,5	20	5	1	360.0300L	26,99
4	0,7	20	5	1	360.0400L	20,50
5	0,8	20	7	1	360.0500L	22,87
6	1,0	20	7	1	360.0600L	22,87
8	1,25	25	9	1	360.0800L	25,77

M	p	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
10	1,5	30	11	1	360.1000L	33,09
12	1,75	38	14	1	360.1200L	42,29
16	2,0	45	18	1	360.1600L	104,43
20	2,5	45	18	1	360.2000L	100,22

361

HSS Round thread die, metric fine



Execution: HSS round thread dies, according to DIN EN 22568, for metric fine threads.

Application: For tapping of (alloyed) steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 4.2

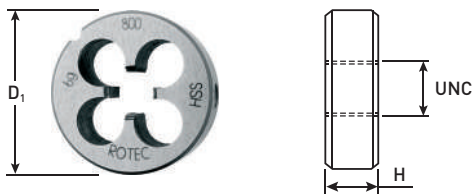


MF	p	D ₁	H (mm)	pcs/PU	Item no.	€/PU
3	0,35	20	5	1	361.0303	25,69
4	0,5	20	5	1	361.0405	26,49
5	0,5	20	5	1	361.0505	27,83
6	0,5	20	5	1	361.0605	26,09
6	0,75	20	7	1	361.0607	25,81
7	0,75	25	9	1	361.0707	29,74
8	0,50	25	9	1	361.0805	27,99
8	0,75	25	9	1	361.0807	28,22
8	1,0	25	9	1	361.0810	28,22
9	1,0	25	9	1	361.0910	37,81
10	0,50	30	11	1	361.1005	35,84
10	0,75	30	11	1	361.1007	36,29
10	1,0	30	11	1	361.1010	33,72
10	1,25	30	11	1	361.1012	31,61
12	0,50	38	10	1	361.1205	42,30
12	0,75	38	10	1	361.1207	42,30
12	1,0	38	10	1	361.1210	40,59
12	1,25	38	10	1	361.1212	40,59
12	1,5	38	10	1	361.1215	42,61
13	1,0	38	10	1	361.1310	60,91
13	1,5	38	10	1	361.1315	60,91
14	1,0	38	10	1	361.1410	42,42
14	1,25	38	10	1	361.1412	40,85
14	1,5	38	10	1	361.1415	40,59
15	1,0	38	10	1	361.1510	65,24
15	1,5	38	10	1	361.1515	65,24
16	1,0	45	14	1	361.1610	61,61
16	1,5	45	14	1	361.1615	58,43

MF	p	D ₁	H (mm)	pcs/PU	Item no.	€/PU
17	1,0	45	14	1	361.1710	88,96
18	1,0	45	14	1	361.1810	61,61
18	1,25	45	14	1	361.1812	60,81
18	1,5	45	14	1	361.1815	58,43
18	2,0	45	14	1	361.1820	60,81
20	1,0	45	14	1	361.2010	61,61
20	1,5	45	14	1	361.2015	58,43
20	2,0	45	14	1	361.2020	60,81
22	1,0	55	16	1	361.2210	97,86
22	1,5	55	16	1	361.2215	92,05
22	2,0	55	16	1	361.2220	99,36
24	1,0	55	16	1	361.2410	97,86
24	1,5	55	16	1	361.2415	92,05
24	2,0	55	16	1	361.2420	95,85
25	1,5	55	16	1	361.2515	153,00
26	1,5	55	16	1	361.2615	153,00
27	1,0	65	18	1	361.2710	174,37
27	1,5	65	18	1	361.2715	142,13
27	2,0	65	18	1	361.2720	161,47
30	1,0	65	18	1	361.3010	145,30
30	1,5	65	18	1	361.3015	148,61
30	2,0	65	18	1	361.3020	168,07
32	1,5	65	18	1	361.3215	174,37
32	2,0	65	18	1	361.3220	156,03
33	1,5	65	18	1	361.3315	145,56
36	1,5	65	18	1	361.3615	145,30
42	2,0	75	20	1	361.4220	231,30
50	1,5	90	22	1	361.5015	370,68

363

HSS Round thread die, UNC



Execution: HSS round thread dies, according to DIN-EN 22568, for UNC threads.

Application: For tapping of (alloyed) steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 4.2

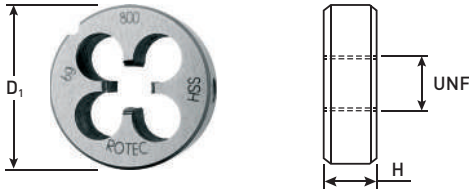


UNC	P	D ₁	H (mm)	pcs/PU	Item no.	€/PU
1/4	20	20	7	1	363.0014	24,12
5/16	18	25	9	1	363.0016	33,59
3/8	16	30	11	1	363.0018	37,35
7/16	14	30	11	1	363.0020	42,60
1/2	13	38	14	1	363.0022	48,43

UNC	P	D ₁	H (mm)	pcs/PU	Item no.	€/PU
9/16	12	38	14	1	363.0024	59,56
5/8	11	45	18	1	363.0026	65,13
3/4	10	45	18	1	363.0028	65,13
7/8	9	55	22	1	363.0030	123,18
1	8	55	22	1	363.0032	123,18

364

HSS Round thread die, UNF



Execution: HSS round thread dies, according to DIN-EN 22568, for UNF threads.

Application: For tapping of [alloyed] steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 4.2

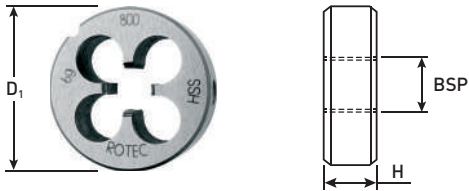


UNF	P	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
1/4	28	20	7	1	364.0014	29,80
5/16	24	25	9	1	364.0016	33,59
3/8	24	30	11	1	364.0018	37,35
7/16	20	30	11	1	364.0020	42,60
1/2	20	38	10	1	364.0022	48,43

UNF	P	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
9/16	18	38	10	1	364.0024	59,56
5/8	18	45	14	1	364.0026	65,13
3/4	16	45	14	1	364.0028	65,13
7/8	14	55	16	1	364.0030	98,07
1	12	55	16	1	364.0032	123,18

365

HSS Round thread die, BSP "G"



Execution: HSS round thread dies, according to DIN-EN 24231, for BSP threads.

Application: For tapping of [alloyed] steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 4.2

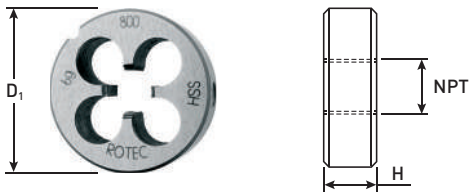


BSP	P	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
1/8	28	30	11	1	365.0125	29,81
1/4	19	38	10	1	365.0250	31,52
3/8	19	45	14	1	365.0375	47,50
1/2	14	45	14	1	365.0500	47,50

BSP	P	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
5/8	14	55	16	1	365.0625	94,94
3/4	14	55	16	1	365.0750	131,62
7/8	14	65	18	1	365.0875	131,37
1	11	65	18	1	365.1000	155,72

367

HSS Round thread die, NPT



Execution: HSS round thread dies, according to DIN-EN 24230, for NPT threads.

Application: For tapping of [alloyed] steels with tensile strength < 800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 4.2



NPT	P	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
1/16	27	25	9	1	367.0010	70,32
1/8	27	30	11	1	367.0012	43,03
1/4	18	38	14	1	367.0014	47,86
3/8	18	45	14	1	367.0016	86,03

NPT	P	D ₁	H (mm)	pcs/PU	Item no.	€ / PU
1/2	14	45	18	1	367.0018	86,03
3/4	14	55	22	1	367.0022	172,24
1	11,5	65	25	1	367.0026	327,37

370

HSS Hexagon thread nut, metric



Execution: HSS hexagonal die nuts, according to DIN 382, for metric threads.
Application: For cleaning up damaged threads. Die nuts cannot be used for cutting new threads.

M	p	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
3	0,5	19	5	1	370.0300	31,00
4	0,7	19	5	1	370.0400	31,00
5	0,8	19	7	1	370.0500	31,00
6	1,0	19	7	1	370.0600	31,00
7	1,0	22	9	1	370.0700	31,52
8	1,25	22	9	1	370.0800	33,28
10	1,5	27	11	1	370.1000	39,48
12	1,75	36	14	1	370.1200	54,80

M	p	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
14	2,0	36	14	1	370.1400	54,80
16	2,0	41	18	1	370.1600	77,32
18	2,5	41	18	1	370.1800	73,24
20	2,5	41	18	1	370.2000	77,32
22	2,5	50	22	1	370.2200	122,36
24	3,0	50	22	1	370.2400	158,20
27	3,0	60	25	1	370.2700	257,18
30	3,5	60	25	1	370.3000	238,13

900

Hexagon thread nut set, metric, in ABS-cassette



Execution: HSS hexagonal die nuts, according to DIN 382, for metric threads.
Application: For cleaning up damaged threads. Die nuts cannot be used for cutting new threads.

Description	Type	Content	pcs/PU	Item no.	€ / PU
7 piece die nut set	360	1x M3, M4, M5, M6, M8, M10 and M12	1	900.2055	186,19

371

HSS Hexagon die nut, metric fine



Execution: HSS hexagonal die nuts, according to DIN 382, for metric fine threads.

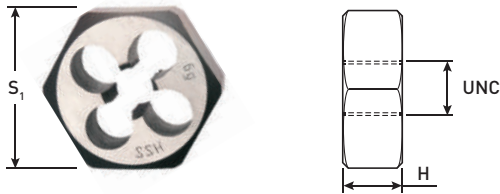
Application: For cleaning up damaged threads.
Die nuts cannot be used for cutting new threads.

MF	p	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
3	0,35	19	5	1	371.0303	59,71
4	0,5	19	5	1	371.0405	59,71
5	0,5	19	7	1	371.0505	59,71
6	0,75	19	7	1	371.0607	59,71
8	0,75	22	9	1	371.0807	63,61
8	1,0	22	9	1	371.0810	63,61
10	1,0	27	11	1	371.1010	60,26
10	1,25	27	11	1	371.1012	63,61
12	1,0	36	10	1	371.1210	83,42
12	1,25	36	10	1	371.1212	83,42
12	1,5	36	14	1	371.1215	88,07
14	1,25	36	10	1	371.1412	99,50
14	1,5	36	14	1	371.1415	99,50
15	1,0	36	10	1	371.1510	119,38
16	1,0	41	14	1	371.1610	122,34
16	1,5	41	14	1	371.1615	122,34
18	1,0	41	14	1	371.1810	129,17
18	1,25	41	14	1	371.1812	129,17

MF	p	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
18	1,5	41	14	1	371.1815	129,17
20	1,0	41	14	1	371.2010	129,17
20	1,5	41	14	1	371.2015	129,17
20	2,0	41	14	1	371.2020	129,17
22	1,5	50	16	1	371.2215	176,73
24	1,0	50	16	1	371.2410	186,57
24	1,5	50	16	1	371.2415	186,57
24	2,0	50	16	1	371.2420	186,57
25	1,5	50	16	1	371.2515	270,74
26	1,5	50	16	1	371.2615	270,74
27	1,5	60	18	1	371.2715	280,53
27	2,0	60	18	1	371.2720	280,53
28	1,5	60	18	1	371.2815	280,53
30	1,5	60	18	1	371.3015	280,53
30	2,0	60	18	1	371.3020	280,53
32	1,5	60	18	1	371.3215	280,53
32	2,0	60	18	1	371.3220	280,53

373

HSS Hexagon die nut, UNC



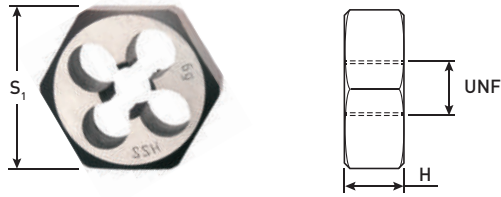
Execution: HSS hexagonal die nuts, according to DIN 382, for UNC threads.

Application: For cleaning up damaged threads.
Die nuts cannot be used for cutting new threads.

UNC	P	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
1/4	20	19	7	1	373.0014	37,40
5/16	18	22	9	1	373.0016	38,94
3/8	16	27	11	1	373.0018	46,35
7/16	14	27	11	1	373.0020	48,93
1/2	13	36	14	1	373.0022	56,56

UNC	P	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
9/16	12	36	14	1	373.0024	59,71
5/8	11	41	18	1	373.0026	82,86
3/4	10	41	18	1	373.0028	86,34
7/8	9	50	22	1	373.0030	169,62
1	8	50	22	1	373.0032	169,62

374 HSS Hexagon die nut, UNF



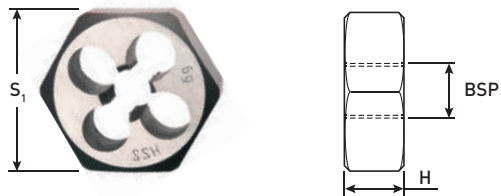
Execution: HSS hexagonal die nuts, according to DIN 382, for UNF threads.

Application: For cleaning up damaged threads.
Die nuts cannot be used for cutting new threads.

UNF	P	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
1/4	28	19	7	1	374.0014	39,48
5/16	24	22	9	1	374.0016	38,94
3/8	24	27	11	1	374.0018	46,35
7/16	20	27	11	1	374.0020	48,93
1/2	20	36	14	1	374.0022	56,56

UNF	P	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
9/16	18	36	14	1	374.0024	59,71
5/8	18	41	18	1	374.0026	78,49
3/4	16	41	18	1	374.0028	82,86
7/8	14	50	22	1	374.0030	160,68
1	12	50	22	1	374.0032	169,62

377 HSS Hexagon die nut, BSP (G)

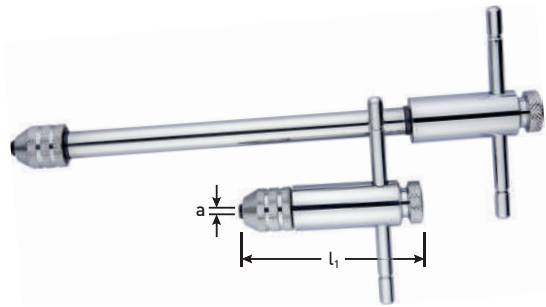


Execution: HSS hexagonal die nuts, according to DIN 382, for BSP threads.

Application: For cleaning up damaged threads.
Die nuts cannot be used for cutting new threads.

BSP	P	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
1/8	28	27	10	1	377.0125	49,90
1/4	19	36	10	1	377.0250	58,10
3/8	19	41	14	1	377.0375	114,01
1/2	14	41	14	1	377.0500	114,01
5/8	14	50	16	1	377.0625	145,31

BSP	P	S ₁	H (mm)	pcs/PU	Item no.	€ / PU
3/4	14	50	16	1	377.0750	145,31
1	11	60	18	1	377.1000	193,75
1.1/4	11	70	20	1	377.1250	303,69
1.1/2	11	85	22	1	377.1500	498,91

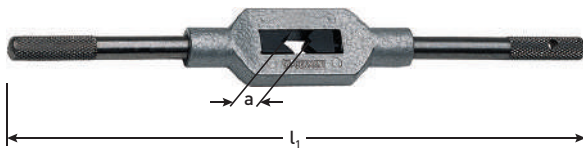


Execution: Ratcheting tap wrenches for hand taps, for both left and right handed operations. Standard (short) and long executions.

Application: For hand tapping operations where space is limited and ordinary tap wrenches can't be used.

Nr.	d (min-max)	a (min-max)	l ₁	pcs/PU	Item no.	€ / PU
1	M3 - M10	2,4 - 5,5	85	1	380.0001	21,58
2	M5 - M12	4,5 - 8,0	100	1	380.0002	26,50
10	M3 - M10	2,4 - 5,5	250	1	380.0010	38,96
20	M5 - M12	4,5 - 7,0	300	1	380.0020	47,61

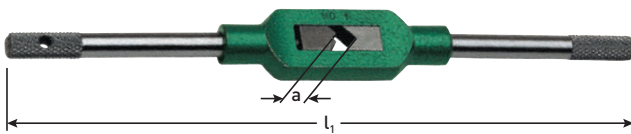
Adjustable tapwrench, aluminium



Execution: Adjustable tap wrenches according to DIN 1814, made of aluminium-zinc alloy, steel jaws, for hand taps.

Nr.	d (min-max)	a (min-max)	l ₁	pcs/PU	Item no.	€ / PU
0	M1 - M 8	2,0 - 5,0	130	1	380.1000	9,22
1	M1 - M10	2,0 - 6,3	176	1	380.1010	10,86
1½	M1 - M12	2,1 - 8,0	176	1	380.1015	11,23
2	M4 - M12	3,0 - 9,0	280	1	380.1020	18,12
3	M5 - M20	4,9 - 12,0	380	1	380.1030	33,25
4	M11 - M27	5,5 - 16,0	505	1	380.1040	54,14
5L	M13 - M32	7,0 - 20,0	700	1	380.1050	84,68

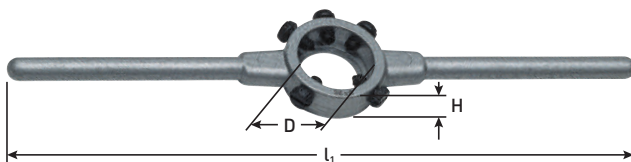
Adjustable tapwrench, steel



Execution: Adjustable tap wrenches according to DIN 1814, made of steel, steel jaws, for hand taps.

Nr.	d (min-max)	a (min-max)	l ₁	pcs/PU	Item no.	€ / PU
0	M1 - M 8	2,0 - 5,0	130	1	380.1100	16,65
1	M1 - M10	2,0 - 6,3	176	1	380.1110	18,69
1½	M1 - M12	2,1 - 8,0	176	1	380.1115	18,69
2	M4 - M12	3,0 - 9,0	280	1	380.1120	31,57
3	M5 - M20	4,9 - 12,0	380	1	380.1130	59,66
4	M11 - M27	5,5 - 16,0	505	1	380.1140	106,57
5	M13 - M32	7,0 - 20,0	700	1	380.1150	157,03
6	M18 - M42	11,0 - 24,0	1.000	1	380.1160	201,85
7	M25 - M52	16,0 - 32,0	1.250	1	380.1170	307,19
8	M25 - M64	16,0 - 40,0	1.250	1	380.1180	717,62

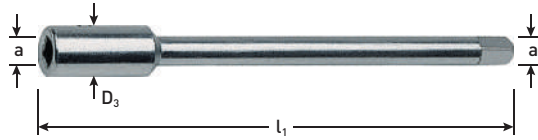
Die stock



Execution: Die stocks according to DIN 225, made of aluminium-zinc alloy, steel screws, for threading dies according to DIN EN 22568.

D x H	d (min-max)	l ₁	pcs/PU	Item no.	€ / PU
16 x 5	M1 - 2,6	160	1	380.1605	8,18
20 x 5	M3 - 4	200	1	380.2005	8,51
20 x 7	M4,5 - 6	200	1	380.2007	8,38
25 x 9	M7 - 9	224	1	380.2509	9,91
30 x 11	M10 - 11	280	1	380.3011	14,10
38 x 10	MF12 - 14	315	1	380.3810	20,97
38 x 14	M12 - 14	315	1	380.3814	20,97
45 x 14	MF16 - 20	450	1	380.4514	27,15
45 x 18	M16 - 20	450	1	380.4518	27,15
55 x 16	MF22 - 24	560	1	380.5516	37,42
55 x 22	M22 - 24	560	1	380.5522	37,42
65 x 18	MF27 - 36	630	1	380.6518	63,07
65 x 25	M27 - 36	630	1	380.6525	69,35

Tap extension



Execution: Tap extensions according to DIN 377, with squares according to DIN 10, cylindrical shank, tempered and precision ground.

Application: Increase reach length of (machine) taps.

a	D ₃	l ₁	pcs/PU	Item no.	€ / PU
2,1	5	60	1	380.0021	8,97
2,7	7	80	1	380.0027	9,35
3,0	7	90	1	380.0030	9,35
3,4	8	95	1	380.0034	9,35
3,8	9	100	1	380.0038	11,22
4,3	10	105	1	380.0043	13,59
4,9	11	110	1	380.0049	10,11
5,5	12	115	1	380.0055	11,44
6,2	14	120	1	380.0062	13,08
7,0	15	125	1	380.0070	15,50
8,0	17	125	1	380.0080	20,24
9,0	19	130	1	380.0090	22,10
10,0	21	140	1	380.0100	29,22
12,0	25	155	1	380.0120	46,39
14,5	29	175	1	380.0145	61,01

Extractor set



380.9000

380.9001

380.9002

380.9003

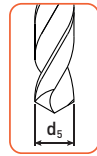
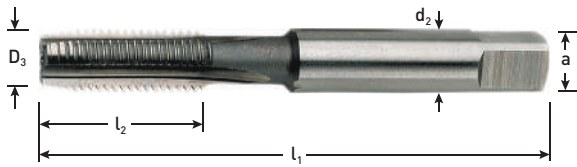
Execution: Spiral screw extractors, in sets, tempered steel, for use on broken screws and bolts with a right-handed thread.

Application: Drill locked screw out to proper diameter. Insert extractor and turn anti-clockwise using tap wrench. Keep on turning so the extractor digs itself into the screw until enough torque can be applied to remove the screw.

Description	Nr.	d (min-max)	Content	pcs/PU	Item no.	€ / PU
5 piece extractor set	1 - 5	M3 - M18	No. 1, 2, 3, 4 and 5 / 1 piece each	1	380.9000	12,57
5 piece extractor set	1 - 5	M3 - M18	No. 1, 2, 3, 4 and 5 / 1 piece each	1	380.9001	14,00
6 piece extractor set	1 - 6	M3 - M24	No. 1, 2, 3, 4, 5 and 6 / 1 piece each	1	380.9002	20,00
8 piece extractor set	1 - 8	M3 - M50	No. 1, 2, 3, 4, 5, 6, 7 and 8 / 1 piece each	1	380.9003	52,91

385

Ro-Coil HSS Bottom tap, metric [M]

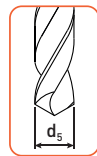
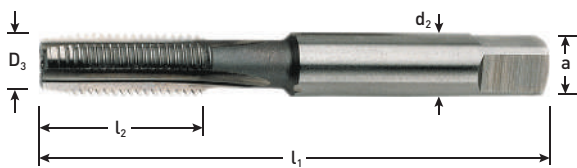


Execution: Ro-Coil HSS bottom tap, metric [M], 60°, tolerance ISO 2 (6H), for Ro-Coil thread inserts.

Application: For the manual tapping of holes to fit Ro-Coil thread inserts in non-ferrous metals and soft steels.

Suitable for	p	D ₃	l ₁	l ₂	d ₂	a	d ₅	pcs/PU	Item no.	€ / PU
M3	0,5	3,6	53	13	4	3,15	3,2	1	385.0300	15,30
M4	0,7	4,9	58	16	5	4	4,2	1	385.0400	15,30
M5	0,8	6,0	66	19	6,3	5	5,2	1	385.0500	21,04
M6	1	7,3	72	22	8	6,3	6,3	1	385.0600	22,36
M7	1	8,3	72	22	9	7,1	7,3	1	385.0700	27,08
M8	1,25	9,6	80	24	10	8	8,3	1	385.0800	21,13
M10	1,5	11,9	89	29	9,0	7,1	10,4	1	385.1000	33,99
M12	1,75	14,3	95	30	11,2	9	12,4	1	385.1200	51,36
M14	2	16,6	102	32	12,5	10	14,5	1	385.1400	61,07
M16	2	18,6	112	37	14	11,2	16,5	1	385.1600	63,83
M18	2,5	21,3	118	38	16	12,5	18,6	1	385.1800	52,19
M20	2,5	23,3	118	38	16	12,5	20,6	1	385.2000	54,04
M24	3	27,9	138	48	20	16	24,75	1	385.2400	78,51

Ro-Coil HSS Bottom tap, metric fine [MF]



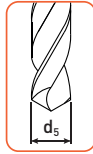
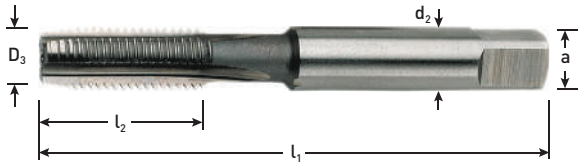
Execution: Ro-Coil HSS bottom tap, metric fine [MF], 60°, tolerance ISO 2 (6H), for Ro-Coil thread inserts.

Application: For tapping threads in non-ferrous metals that are the correct size for the corresponding Ro-Coil thread inserts.

Suitable for	p	D ₃	l ₁	l ₂	d ₂	a	d ₅	pcs/PU	Item no.	€ / PU
MF8	1	9,3	80	24	10	8	8,3	1	385.0810	27,08
MF10	1,25	11,6	85	25	8	6,3	10,3	1	385.1012	26,69
MF10	1	11,3	85	25	8	6,3	10,3	1	385.1010	33,99
MF12	1,5	14,0	95	30	11,2	9	12,4	1	385.1215	49,92
MF12	1,25	13,6	95	30	11,2	9	12,3	1	385.1212	49,92
MF12	1	13,3	95	30	11,2	9	12,3	1	385.1210	40,05
MF14	1,5	16	102	32	12,5	10	14,4	1	385.1415	61,07
MF14	1,25	15,6	102	32	12,5	10	14,3	1	385.1412	47,82
MF16	1,5	18,0	104	29	14	11,2	16,4	1	385.1615	50,03

386

Ro-Coil HSS Bottom tap, Unified National Coarse [UNC]

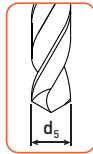
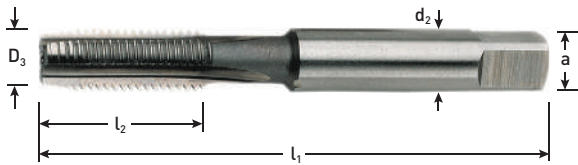


Execution: Ro-Coil HSS bottom tap, UNC, 60°, tolerance ISO 2 B, for Ro-Coil thread inserts.
Application: For tapping threads in non-ferrous metals that are the correct size for the corresponding Ro-Coil thread inserts.

Suitable for	P	D ₃	l ₁	l ₂	d ₂	a	d ₅	pcs/PU	Item no.	€ / PU
No. 10	24	6,2	66	19	6,3	5	5,1	1	386.0120	20,86
1/4	20	8,0	72	22	8	6,3	6,7	1	386.0140	13,74
5/16	18	9,8	80	24	10	8	8,3	1	386.0160	14,96
3/8	16	11,6	85	25	8	6,3	9,9	1	386.0180	16,47
7/16	14	13,5	95	30	11,2	9	11,6	1	386.0200	20,86
1/2	13	15,2	102	32	12,5	10	13	1	386.0220	23,73
5/8	11	18,9	112	37	14	11,2	16,5	1	386.0260	48,65

386

Ro-Coil HSS Bottom tap, Unified National Fine [UNF]

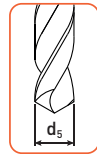
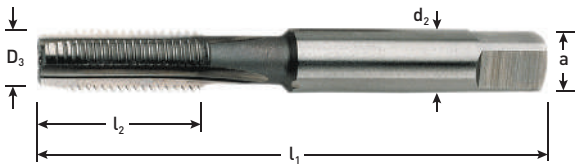


Execution: Ro-Coil HSS bottom tap, UNC, 60°, tolerance ISO 2 B, for Ro-Coil thread inserts.
Application: For tapping threads in non-ferrous metals that are the correct size for the corresponding Ro-Coil thread inserts.

Suitable for	P	D ₃	l ₁	l ₂	d ₂	a	d ₅	pcs/PU	Item no.	€ / PU
No. 10	32	5,9	66	19	6,3	5	5,1	1	386.1012	20,86
1/4	28	7,5	69	19	8	6,3	6,6	1	386.1140	13,74
5/16	24	9,3	76	20	10	8	8,2	1	386.1160	14,96
3/8	24	10,9	82	22	8	6,3	9,8	1	386.1180	16,47
7/16	20	12,8	84	24	9	7,1	11,5	1	386.1200	20,86
1/2	20	14,4	90	25	11,2	9	13,0	1	386.1220	23,73
5/8	18	17,7	104	29	14	11,2	16,25	1	386.1260	48,65

387

Ro-Coil HSS Bottom tap, British Standard Pipe [BSP]

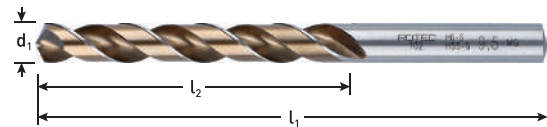


Execution: Ro-Coil HSS bottom tap, BSP (G), 55°, tolerance ISO (6H), for Ro-Coil thread inserts.
Application: For the manual tapping of holes to fit Ro-Coil thread inserts in non-ferrous metals and soft steels.

Suitable for	P	D ₃	l ₁	l ₂	d ₂	a	d ₅	pcs/PU	Item no.	€ / PU
1/8	28	10,8	59	15	8	6,3	10	1	387.0125	25,86
1/4	19	14,7	67	19	11,2	9	13,6	1	387.0250	32,32
3/8	19	18,3	75	21	14	11,2	17,1	1	387.0375	42,42
1/2	14	23,1	87	26	16	12,5	21,5	1	387.0500	69,18
5/8	14	25,0	91	26	18	14	23,4	1	387.0625	101,81
3/4	14	28,6	96	28	20	16	27	1	387.0750	101,81
1	11	36,0	109	33	25	20	33,7	1	387.1000	161,83

102

HSS-G Jobber drill bit, type HD-S, GOLD-LINE



Execution: HSS-G Jobber drill bit, DIN 338, ground flute, split-point according to DIN 1412-C, point angle 130°, type HD-S spiral with reinforced core for high precision and long tool life, bright finish.
Application: General-purpose use, but due to the strengthened core also suited for use on CNC-machines, on most common materials such as steels up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel silver, graphite, etc.
 Material groups : 1.1 - 1.4 / 3.1 - 3.3 / 4.2 - 4.12

d ₁	l ₁	l ₂	pcs/PU	Item no.	€ / PU
3,2	65	36	10	102.0320	24,21
4,2	75	43	10	102.0420	27,51
5,1	86	52	10	102.0510	33,17
5,2	86	52	10	102.0520	33,17
6,3	101	63	10	102.0630	42,65
6,6	101	63	10	102.0660	45,63
6,7	101	63	10	102.0670	60,70
7,3	109	69	10	102.0730	74,07
8,2	117	75	5	102.0820	33,43
8,3	117	75	5	102.0830	35,75

d ₁	l ₁	l ₂	pcs/PU	Item no.	€ / PU
9,8	133	87	5	102.0980	50,79
9,9	133	87	5	102.0990	50,79
10,0	133	87	5	102.1000	44,09
10,3	133	87	5	102.1030	63,98
10,4	133	87	5	102.1040	63,98
11,5	142	94	5	102.1150	71,29
12,3	151	101	5	102.1230	99,83
12,4	151	101	5	102.1240	104,72
13,0	151	101	5	102.1300	97,71



Application: For installing Ro-Coil thread inserts in the tapped to size holes.

Nr.	M / MF	UNC / UNF	pcs/PU	Item no.	€ / PU
Nr. 4	M3 x 0,5		1	390.9304	13,49
Nr. 6	M4 x 0,7		1	390.9306	13,49
Nr. 7		UNC No. 10 x 24	1	390.9307	13,49
Nr. 8	M5 x 0,8	UNF No. 10 x 32	1	390.9308	13,49
Nr. 9	M6 x 1,0	UNC 1/4 x 20 UNF 1/4 x 28	1	390.9309	13,49
Nr. 10	M7 x 1,0	UNC 5/16 x 18	1	390.9310	15,45
Nr. 11	M8 x 1,25 MF8 x 1,0	UNF 5/16 x 24	1	390.9311	15,45
Nr. 12		UNC 3/8 x 16	1	390.9312	16,60
Nr. 13	M10 x 1,5 MF10 x 1,25 MF10 x 1,0	UNF 3/8 x 24	1	390.9313	16,60
Nr. 15	M12 x 1,75 MF12 x 1,5 M12 x 1,25 MF12 x 1,0	UNC 1/2 x 13 UNF 1/2 x 20	1	390.9315	19,46

Nr.	M / MF	UNC / UNF	pcs/PU	Item no.	€ / PU
Nr. 16	M14 x 2,0 MF14 x 1,5		1	390.9316	23,25
Nr. 17	MF14 x 1,25 MF14 x 1,0		1	390.9317	23,25
Nr. 18	M16 x 2,0 MF16 x 1,5	UNC 5/8 x 11 UNF 5/8 x 18	1	390.9318	25,61
Nr. 20	M18 x 2,5 MF18 x 2,0 MF18 x 1,5		1	390.9320	25,61
Nr. 21	M20 x 2,5 MF20 x 2,0 MF20 x 1,5		1	390.9321	25,61
Nr. 23	M24x 3,0 MF24 x 2,0 MF24 x 1,5		1	390.9323	32,25

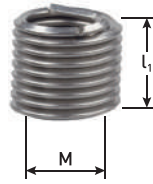
Ro-Coil Tang breaker



Application: For breaking the tang of Ro-Coils after installation in the workpiece in order to create through holes. For Ro-Coils M16 and bigger, nose pliers can be used to break the tang. In case of blind holes, removal of the tang is not necessary as long as the maximum screw depth is respected.

Nr.	M / MF	UNC / UNF	pcs/PU	Item no.	€ / PU
Nr. 4	M3 x 0,5		1	390.9403	5,71
Nr. 6	M4 x 0,7	UNC No. 10 x 24	1	390.9404	6,00
Nr. 8	M5 x 0,8	UNF No. 10 x 32	1	390.9405	6,00
Nr. 9	M6 x 1,0	UNC 1/4 x 20 UNF 1/4 x 28	1	390.9406	6,00
Nr. 11	M7 x 1,0 M8 x 1,25 MF8 x 1,0	UNC 5/16 x 18 UNF 5/16 x 24	1	390.9408	6,70
Nr. 12		UNC 3/8 x 16	1	390.9409	6,70

Nr.	M / MF	UNC / UNF	pcs/PU	Item no.	€ / PU
Nr. 13	M10 x 1,5 MF10 x 1,25 MF10 x 1,0	UNF 3/8 x 24	1	390.9410	6,70
Nr. 15	M12 x 1,75 MF12 x 1,5 MF12 x 1,25 MF12 x 1,0	UNC 1/2 x 13 UNF 1/2 x 20	1	390.9412	8,09



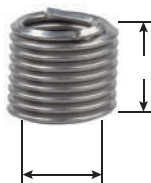
Execution: Ro-Coil thread inserts, made from high-grade CrNi-steel, temperature and corrosion resistant.

Application: Used to repair a stripped threaded hole or to provide durable threaded holes in soft materials like aluminium and magnesium alloys. Applied in automotive, machine building, medical engineering as well as space and aviation industries.

d ₁	p	l ₁	pcs/PU	Item no.	€ / PU
M3	0,5	1xD	25	389.0300	9,50
M4	0,7	1xD	25	389.0400	9,50
M5	0,8	1xD	25	389.0500	10,75
M6	1,0	1xD	25	389.0600	11,25
M7	1,0	1xD	25	389.0700	13,25
M8	1,25	1xD	25	389.0800	12,00
M10	1,5	1xD	25	389.1000	15,50
M12	1,75	1xD	25	389.1200	22,50
M14	2,0	1xD	10	389.1401	13,40
M16	2,0	1xD	10	389.1602	17,30
M3	0,5	1,5xD	25	389.0301	10,00
M4	0,7	1,5xD	25	389.0401	10,00
M5	0,8	1,5xD	25	389.0501	9,00
M6	1,0	1,5xD	25	389.0601	9,50
M7	1,0	1,5xD	25	389.0701	15,50
M8	1,25	1,5xD	25	389.0801	12,00
M10	1,5	1,5xD	25	389.1001	16,50
M12	1,75	1,5xD	25	389.1201	26,25
M14	2,0	1,5xD	10	389.1400	14,70
M16	2,0	1,5xD	10	389.1600	18,20
M18	2,5	1,5xD	10	389.1801	33,50
M20	2,5	1,5xD	10	389.2000	37,50
M24	3	1,5xD	10	389.2431	42,70
M3	0,5	2xD	25	389.0302	10,75
M4	0,7	2xD	25	389.0402	10,75
M5	0,8	2xD	25	389.0502	12,00
M6	1,0	2xD	25	389.0602	14,00
M7	1,0	2xD	25	389.0702	19,00
M8	1,25	2xD	25	389.0802	16,50
M10	1,5	2xD	25	389.1002	19,50
M12	1,75	2xD	10	389.1202	11,70

d ₁	p	l ₁	pcs/PU	Item no.	€ / PU
M14	2,0	2xD	10	389.1402	18,00
M16	2,0	2xD	10	389.1601	22,40
M18	2,5	2xD	10	389.1802	35,70
M20	2,5	2xD	10	389.2002	48,20
M24	3	2xD	10	389.2432	53,40
M3	0,5	2,5xD	25	389.0303	11,00
M4	0,7	2,5xD	25	389.0403	11,00
M5	0,8	2,5xD	25	389.0504	15,00
M6	1,0	2,5xD	25	389.0604	16,25
M7	1,0	2,5xD	25	389.0703	21,25
M8	1,25	2,5xD	25	389.0804	20,00
M10	1,5	2,5xD	25	389.1004	24,25
M12	1,75	2,5xD	10	389.1203	15,40
M14	2,0	2,5xD	10	389.1403	21,40
M16	2,0	2,5xD	10	389.1603	28,40
M18	2,5	2,5xD	10	389.1803	49,00
M20	2,5	2,5xD	10	389.2004	60,90
M24	3	2,5xD	10	389.2403	81,70
M3	0,5	3xD	25	389.0304	15,00
M4	0,7	3xD	25	389.0404	13,50
M5	0,8	3xD	25	389.0503	17,25
M6	1,0	3xD	25	389.0603	20,50
M7	1,0	3xD	25	389.0704	25,75
M8	1,25	3xD	25	389.0803	23,75
M10	1,5	3xD	25	389.1003	29,75
M12	1,75	3xD	10	389.1204	18,90
M14	2,0	3xD	10	389.1404	25,80
M16	2,0	3xD	10	389.1604	31,00
M18	2,5	3xD	10	389.1804	55,10
M20	2,5	3xD	10	389.2003	69,80
M24	3	3xD	10	389.2404	90,90

Ro-Coil Thread insert, metric fine [MF]



MF

Execution: Ro-Coil thread inserts, made from high-grade CrNi-steel, temperature and corrosion resistant.

Application: Used to repair a stripped threaded hole or to provide durable threaded holes in soft materials like aluminium and magnesium alloys. Applied in automotive, machine building, medical engineering as well as space and aviation industries.

d ₁	p	l ₁	pcs/PU	Item no.	€/PU
MF8	1,0	1xD	25	389.0810	14,00
MF10	1,25	1xD	25	389.1010	15,50
MF10	1,0	1xD	25	389.1020	15,50
MF12	1,5	1xD	25	389.1210	22,50
MF12	1,25	1xD	25	389.1220	22,50
MF12	1,0	1xD	25	389.1230	26,25
MF14	1,5	1xD	10	389.1450	12,80
MF14	1,25	1xD	10	389.1413	14,70
MF16	1,5	1xD	10	389.1615	16,90
MF8	1,0	1,5xD	25	389.0811	14,00
MF10	1,25	1,5xD	25	389.1011	16,50
MF10	1,0	1,5xD	25	389.1021	16,50
MF12	1,5	1,5xD	25	389.1211	26,25
MF12	1,25	1,5xD	25	389.1221	29,25
MF12	1,0	1,5xD	25	389.1231	26,25
MF14	1,5	1,5xD	10	389.1451	14,70
MF14	1,25	1,5xD	10	389.1414	15,40
MF16	1,5	1,5xD	10	389.1616	19,20
MF8	1,0	2xD	25	389.0812	18,00
MF10	1,25	2xD	25	389.1012	19,50
MF10	1,0	2xD	25	389.1022	19,50
MF12	1,5	2xD	10	389.1212	11,70
MF12	1,25	2xD	10	389.1222	11,70

d ₁	p	l ₁	pcs/PU	Item no.	€/PU
MF12	1,0	2xD	10	389.1232	13,20
MF14	1,5	2xD	10	389.1452	13,50
MF14	1,25	2xD	10	389.1422	15,90
MF16	1,5	2xD	10	389.1617	21,10
MF8	1,0	2,5xD	25	389.0813	19,50
MF10	1,25	2,5xD	25	389.1013	21,50
MF10	1,0	2,5xD	25	389.1023	21,50
MF12	1,5	2,5xD	10	389.1213	13,60
MF12	1,25	2,5xD	10	389.1223	13,60
MF12	1,0	2,5xD	10	389.1233	13,60
MF14	1,5	2,5xD	10	389.1423	19,00
MF14	1,25	2,5xD	10	389.1433	19,00
MF16	1,5	2,5xD	10	389.1613	25,30
MF8	1,0	3xD	25	389.0814	22,75
MF10	1,25	3xD	25	389.1014	27,50
MF10	1,0	3xD	25	389.1024	27,50
MF12	1,5	3xD	10	389.1214	16,90
MF12	1,25	3xD	10	389.1224	16,90
MF12	1,0	3xD	10	389.1234	16,90
MF14	1,5	3xD	10	389.1424	23,00
MF14	1,25	3xD	10	389.1434	23,00
MF16	1,5	3xD	10	389.1614	27,60

Ro-Coil Thread insert, UNC



UNC

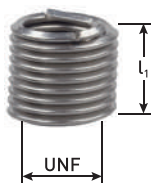
Execution: Ro-Coil thread inserts, made from high-grade CrNi-steel, temperature and corrosion resistant.

Application: Used to repair a stripped threaded hole or to provide durable threaded holes in soft materials like aluminium and magnesium alloys. Applied in automotive, machine building, medical engineering as well as space and aviation industries.

d ₁ (inch)	P	l ₁	pcs/PU	Item no.	€/PU
No. 10	24	1,5xD	100	389.4035	51,00
1/4	20	1,5xD	100	389.4037	56,00
5/16	18	1,5xD	100	389.4042	80,00

d ₁ (inch)	P	l ₁	pcs/PU	Item no.	€/PU
3/8	16	1,5xD	100	389.4047	112,00
1/2	13	1,5xD	100	389.4057	160,00
5/8	11	1,5xD	50	389.4067	282,00

Ro-Coil Thread insert, UNF



UNF

Execution: Ro-Coil thread inserts, made from high-grade CrNi-steel, temperature and corrosion resistant.

Application: Used to repair a stripped threaded hole or to provide durable threaded holes in soft materials like aluminium and magnesium alloys. Applied in automotive, machine building, medical engineering as well as space and aviation industries.

d ₁ (inch)	P	l ₁	pcs/PU	Item no.	€/PU
No. 10	32	1,5xD	100	389.5029	51,00
1/4	28	1,5xD	100	389.5030	59,00
5/16	24	1,5xD	100	389.5031	80,00

d ₁ (inch)	P	l ₁	pcs/PU	Item no.	€/PU
3/8	24	1,5xD	100	389.5032	112,00
1/2	20	1,5xD	100	389.5034	160,00
5/8	18	1,5xD	50	389.5036	168,50

396

Ro-Coil Thread repair set, metric, 1.5xD



Content: Ro-Coils (qty according to table)
1x matching drill bit (sets up to M12)
1x bottom tap
1x installation handle
1x tang breaker (sets up to M12)

Application: To repair a stripped threaded hole. The precise tolerance of the Ro-Coil system assures a better and stronger joint compared to the one with the original thread. Ro-Coil inserts are also used in new assemblies for stronger joints.

d ₁	p	Ro-Coils	pcs/PU	Item no.	€ / PU
M3	0,5	20	1	396.0300	40,52
M4	0,7	20	1	396.0400	33,59
M5	0,8	20	1	396.0500	34,95
M6	1,0	20	1	396.0600	37,68
M7	1,0	20	1	396.0700	57,87
M8	1,25	20	1	396.0800	47,96
M10	1,5	15	1	396.1000	51,23

d ₁	p	Ro-Coils	pcs/PU	Item no.	€ / PU
M12	1,75	10	1	396.1200	57,41
M14	2,0	10	1	396.1400	52,46
M16	2,0	10	1	396.1600	93,85
M18	2,5	5	1	396.1800	111,35
M20	2,5	5	1	396.2000	120,62
M24	3,0	5	1	396.2400	160,19

396

Ro-Coil Thread repair set, metric fine, 1.5xD



Content: Ro-Coils (qty according to table)
1x matching drill bit (sets up to M12)
1x bottom tap
1x installation handle
1x tang breaker (sets up to M12)

Application: To repair a stripped threaded hole. The precise tolerance of the Ro-Coil system assures a better and stronger joint compared to the one with the original thread. Ro-Coil inserts are also used in new assemblies for stronger joints.

d ₁	p	Ro-Coils	pcs/PU	Item no.	€ / PU
MF8	1,0	20	1	396.0801	57,87
MF10	1,25	15	1	396.1001	51,23
MF10	1,0	15	1	396.1002	61,80
MF12	1,5	10	1	396.1201	57,41

d ₁	p	Ro-Coils	pcs/PU	Item no.	€ / PU
MF12	1,25	10	1	396.1202	69,27
MF12	1,0	10	1	396.1203	69,27
MF14	1,5	10	1	396.1401	77,54
MF18	1,5	5	1	396.1802	111,35

Ro-Coil Thread repair assortment, metric, 1.5xD



Application: To repair a stripped threaded hole. The precise tolerance of the Ro-Coil system assures a better and stronger joint compared to the one with the original thread. Ro-Coil inserts are also used in new assemblies for stronger joints.

Description	Content	pcs/PU	Item no.	€ / PU
Thread repair assortment M5-M12	1x drill bit ø5.2, ø6.3, ø8.3, ø10.4 and ø12.4 1x bottom tap M5, M6, M8, M10 and M12 1x installation handle Nr. 8, 9, 11, 13 and 15 1x tang breaker, No. 8, 9, 11, 13 and 15 25x Ro-Coil inserts M5, M6, M8 and M10 10x Ro-Coil inserts M12	1	396.9001	228,30

391 Ro-Coil Thread repair set, UNC, 1.5xD



Execution: 1x HSS-G drill bit (up to 1/2")
1x HSS bottom tap
1x Installation handle
1x Tang breaker (up to 1/2")
1x Set of matching Ro-Coil inserts (qty as specified in table)

Application: To repair a stripped threaded hole. The precise tolerance of the Ro-Coil system assures a better and stronger joint compared to the one with the original thread. Ro-Coil inserts are also used in new assemblies for stronger joints.

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
1/4	20	20	1	391.0014	57,88
5/16	18	20	1	391.0016	70,92
3/8	16	15	1	391.0018	75,67
7/16	14	10	1	391.0020	84,93
1/2	13	10	1	391.0022	93,24

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
9/16	12	10	1	391.0024	124,55
5/8	11	10	1	391.0026	124,55
3/4	10	5	1	391.0028	158,94
7/8	9	5	1	391.0030	193,10
1	8	4	1	391.0032	184,10

392 Ro-Coil Thread repair set, UNF, 1.5xD



Execution: 1x HSS-G drill bit (up to 1/2")
1x HSS bottom tap
1x Installation handle
1x Tang breaker (up to 1/2")
1x Set of matching Ro-Coil inserts (qty as specified in table)

Application: To repair a stripped threaded hole. The precise tolerance of the Ro-Coil system assures a better and stronger joint compared to the one with the original thread. Ro-Coil inserts are also used in new assemblies for stronger joints.

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
1/4	28	20	1	392.0014	57,88
5/16	24	20	1	392.0016	70,92
3/8	24	15	1	392.0018	75,67
7/16	20	10	1	392.0020	84,93
1/2	20	10	1	392.0022	93,24

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
9/16	18	10	1	392.0024	124,55
5/8	18	10	1	392.0026	124,55
3/4	16	5	1	392.0028	158,94
7/8	14	5	1	392.0030	193,10
1	12	4	1	392.0032	184,10

393 Ro-Coil Thread repair sets, BSW, 1.5xD



Execution: 1x Drill bit (up to 1/2"x12)
1x V-Coil Nr. 3 bottom tap
1x Insertion spindle
1x Tang punch (to break the tang) (up to 1/2"x12)
1x set of matching V-Coils (qty as specified in table)

Application: To repair a stripped threaded hole. The precise tolerance of the V-Coil system assures a better and stronger joint compared to the one with the original thread. V-Coils are also used in new assemblies for stronger joints.

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
1/8	40	20	1	393.0010	64,28
3/16	24	20	1	393.0012	64,28
1/4	20	20	1	393.0014	57,88
5/16	18	20	1	393.0016	70,92
3/8	16	15	1	393.0018	75,67
7/16	14	10	1	393.0020	84,93

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
1/2	12	10	1	393.0022	93,24
9/16	12	10	1	393.0024	124,55
5/8	11	10	1	393.0026	124,55
3/4	10	5	1	393.0028	158,94
7/8	9	5	1	393.0030	193,10
1	8	4	1	393.0032	184,10



Execution: 1x Ro-Coil Nr. 2 center tap
 1x Ro-Coil Nr. 3 bottom tap
 1x Insertion spindle with hexagon drive
 1x set of matching Ro-Coils (qty as specified in table)

Application: To repair a stripped threaded hole. The precise tolerance of the Ro-Coil system assures a better and stronger joint compared to the one with the original thread. Ro-Coils are also used in new assemblies for stronger joints.

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
1/8	28	10	1	395.0125	161,26
1/4	19	10	1	395.0250	179,24
3/8	19	10	1	395.0375	197,21
1/2	14	10	1	395.0500	249,00

d ₁ (inch)	P	Ro-Coils	pcs/PU	Item no.	€ / PU
5/8	14	10	1	395.0675	548,43
3/4	14	10	1	395.0750	548,43
7/8	14	10	1	395.0875	731,35
1	11	10	1	395.1000	763,87

