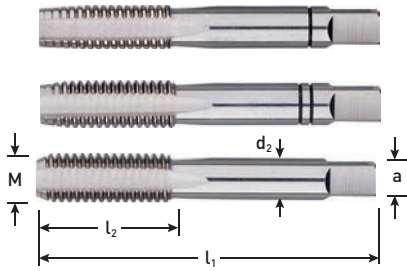


# Taps and dies Threaded inserts





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

M	p	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€ / PU
16	2,0	80	32	12,0	9,0	1	300.1600	<b>36,52</b>
18	2,5	95	40	14,0	11,0	1	300.1800	<b>50,49</b>
20	2,5	95	40	16,0	12,0	1	300.2000	<b>54,09</b>
22	2,5	100	40	18,0	14,5	1	300.2200	<b>73,04</b>
24	3,0	110	50	18,0	14,5	1	300.2400	<b>85,97</b>
27	3,0	110	50	20,0	16,0	1	300.2700	<b>200,11</b>
30	3,5	125	56	22,0	18,0	1	300.3000	<b>260,74</b>
33	3,5	125	56	25,0	20,0	1	300.3300	<b>346,51</b>
36	4,0	150	63	28,0	22,0	1	300.3600	<b>399,03</b>
39	4,0	150	63	32,0	24,0	1	300.3900	<b>515,42</b>
42	4,5	150	63	32,0	24,0	1	300.4200	<b>582,26</b>
45	4,5	160	70	36,0	29,0	1	300.4500	<b>706,61</b>
48	5,0	180	75	36,0	29,0	1	300.4800	<b>997,59</b>
52	5,0	180	75	40,0	32,0	1	300.5200	<b>997,59</b>

**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	<b>134,01</b>

**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	<b>160,33</b>
	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	<b>215,12</b>
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	<b>254,65</b>
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	<b>589,68</b>

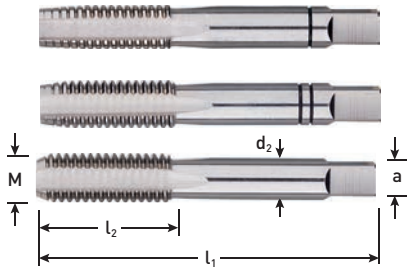
**Threading set, metric [M], in plastic case**



Description	Content	pcs/PU	Item no.	€ / PU
26 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 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	<b>170,84</b>

**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.

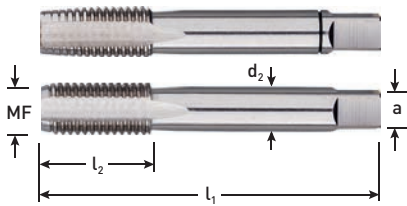
**Application:** The alloyed base material allows machining of more difficult to machine materials such as high tensile steel and stainless steel.

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

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

**305**

**HSS Hand tap set, metric fine [MF]**

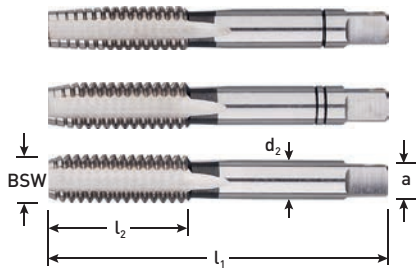


**Execution:** HSS hand tap sets according to DIN 2181, metric fine thread, sets of 2 taps.

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

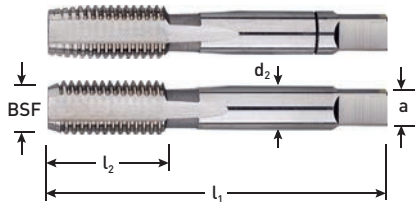
MF	p	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€ / PU
14	1,5	70	22	11,0	9,0	1	305.1415	<b>38,15</b>
16	1,0	70	22	12,0	9,0	1	305.1610	<b>71,59</b>
16	1,5	70	22	12,0	9,0	1	305.1615	<b>46,95</b>
18	1,0	80	22	14,0	11,0	1	305.1810	<b>80,71</b>
18	1,5	80	22	14,0	11,0	1	305.1815	<b>53,35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

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



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

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

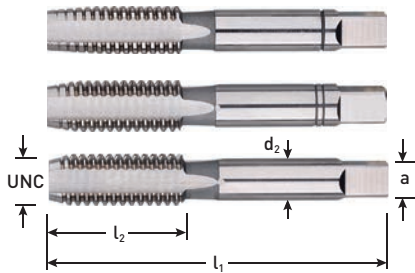


BSF	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€/PU
3/16	32	50	14	6,0	4,9	1	306.1010	<b>26,31</b>
1/4	26	50	18	6,0	4,9	1	306.1014	<b>25,25</b>
5/16	22	56	22	6,0	4,9	1	306.1016	<b>27,74</b>
3/8	20	63	22	7,0	5,5	1	306.1018	<b>32,59</b>
7/16	18	63	22	8,0	6,2	1	306.1020	<b>39,12</b>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

**307**

**HSS Hand tap set, Unified National Coarse [UNC]**

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

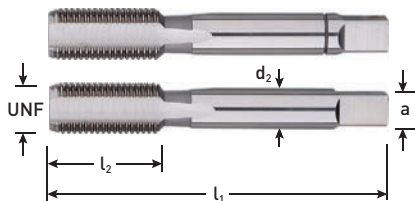


UNC	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€ / PU
1/4	20	50	19	6,0	4,9	1	307.0014	<b>31,56</b>
5/16	18	56	22	6,0	4,9	1	307.0016	<b>36,14</b>
3/8	16	70	24	7,0	5,5	1	307.0018	<b>40,76</b>
7/16	14	70	24	8,0	6,2	1	307.0020	<b>50,95</b>
1/2	13	75	29	9,0	7,0	1	307.0022	<b>58,69</b>
9/16	12	80	30	11,0	9,0	1	307.0024	<b>79,67</b>
5/8	11	80	32	12,0	9,0	1	307.0026	<b>90,79</b>
3/4	10	195	40	14,0	11,0	1	307.0028	<b>120,44</b>
7/8	9	100	40	18,0	14,5	1	307.0030	<b>155,59</b>
1	8	110	50	18,0	14,5	1	307.0032	<b>177,82</b>
1.1/4	7	132	56	22,0	18,0	1	307.0036	<b>306,75</b>

**308**

**HSS Hand tap set, Unified National Fine [UNF]**

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

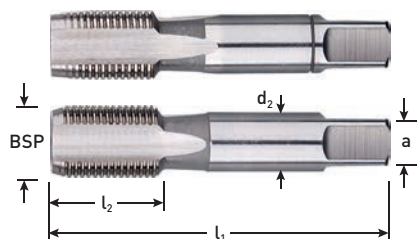


UNF	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€ / PU
1/4	28	50	18	6,0	4,9	1	308.0014	<b>21,92</b>
5/16	24	56	22	6,0	4,9	1	308.0016	<b>24,09</b>
3/8	24	63	22	7,0	5,5	1	308.0018	<b>27,18</b>
7/16	20	63	22	8,0	6,2	1	308.0020	<b>32,60</b>
1/2	20	75	24	9,0	7,0	1	308.0022	<b>40,76</b>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

**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.

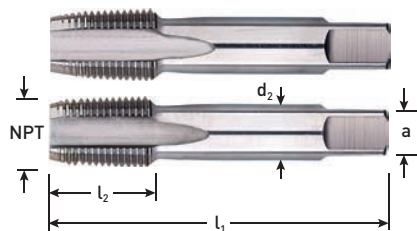


BSP	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€/PU
1/8	28	63	20	7,0	5,5	1	310.0125	<b>27,79</b>
1/4	19	70	22	11,0	9,0	1	310.0250	<b>30,90</b>
3/8	19	70	22	12,0	9,0	1	310.0375	<b>45,70</b>
1/2	14	80	22	16,0	12,0	1	310.0500	<b>61,76</b>
5/8	14	80	22	18,0	14,5	1	310.0625	<b>88,91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

**314**

**HSS Hand tap set, National Pipe Taper [NPT]**

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



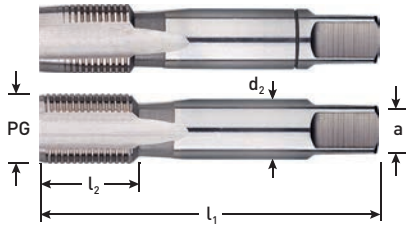
NPT	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€/PU
1/16	27	52	14	5,6	4,5	1	314.0010	<b>50,81</b>
1/8	27	59	15	8	6,3	1	314.0012	<b>62,19</b>
1/4	18	67	19	10	8	1	314.0014	<b>74,50</b>
3/8	18	75	21	12,5	10	1	314.0016	<b>81,45</b>
1/2	14	87	26	16	12,5	1	314.0018	<b>101,73</b>
3/4	14	96	28	20	16	1	314.0022	<b>233,73</b>
1	11,5	109	33	25	20	1	314.0026	<b>356,22</b>



**315**

**HSS Hand tap set, Panzerrohrgewinde [PG]**

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



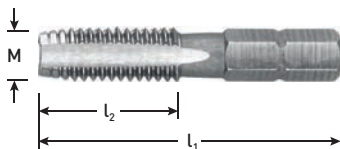
PG	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs/PU	Item no.	€ / PU
7	20	70	22	9,0	7,0	1	315.0700	<b>51,56</b>
9	18	70	22	12,0	9,0	1	315.0900	<b>68,75</b>
11	18	80	22	14,0	11,0	1	315.1100	<b>112,63</b>
13,5	18	80	22	16,0	12,0	1	315.1350	<b>138,97</b>
16	18	80	22	18,0	14,5	1	315.1600	<b>166,77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

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

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

**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	<b>63,37</b>

900

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

**ROTEC®**



**NOUVEAU**

**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	<b>112,52</b>
	317	1x M3, M4, M5, M6, M8 and M10			

900

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

**ROTEC®**



**OPTI-LINE**

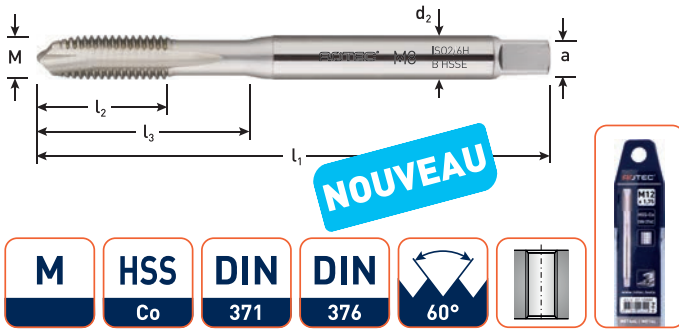
**Application:** For through holes in (alloyed) steels <600 N/mm².  
Material groups : 1.1 - 1.2 - 1.3

**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	<b>79,00</b>
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	<b>99,00</b>

320

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

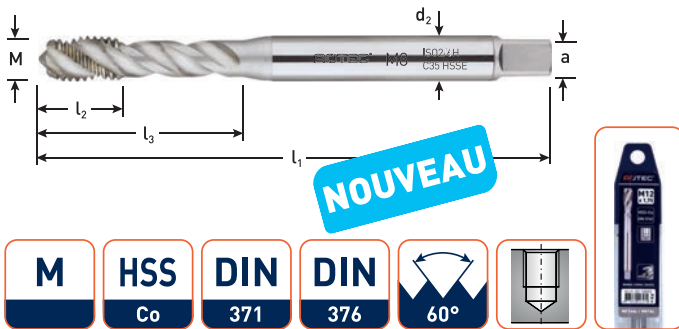


**Execution:** HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.  
**Application:** For through holes in (alloyed) steels <800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 1.4  
**Remark:** Taps larger than M12 are packed in a plastic box QP22x75.

M	p	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	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

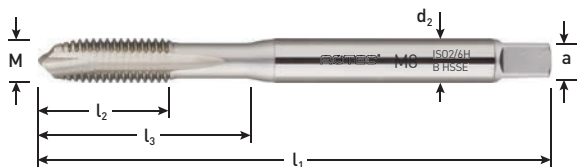


**Execution:** HSS-E machine taps, DIN 371, metric thread [M], 60°, form B lead chamfer.  
**Application:** For through holes in (alloyed) steels <800 N/mm². Material groups : 1.1 - 1.2 - 1.3 - 1.4  
**Remark:** Taps larger than M12 are packed in a plastic box QP22x75.

M	p	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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

**900**

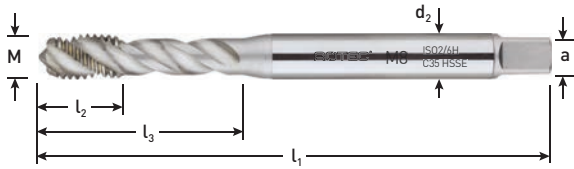
**HSS-E Machine tap set, gun, in ABS-cassette**



**Application:** For through holes in (alloyed) steels <800 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

Description	Content	pcs	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	<b>119,20</b>
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-R Drill bits "PRECISE" (101): DIN 338 : 1x ø2.5, 3.3, 4.2, 5, 6.8, 8.5 and 10.2mm	1	900.2008	<b>130,24</b>

**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/mm<sup>2</sup>.  
 Material groups : 1.1 - 1.2 - 1.3 - 1.4



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

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

**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/mm<sup>2</sup>.  
 Material groups : 1.1 - 1.2 - 1.3 - 1.4



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

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

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

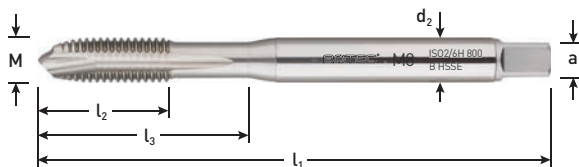


**Application:** For through holes in (alloyed) steels <800 N/mm<sup>2</sup>.  
 Material groups : 1.1 - 1.2 - 1.3 - 1.4

Description	Content	pcs	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	<b>126,41</b>
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-R Drill bits "PRECISE" (101): DIN 338 : 1x ø2.5, 3.3, 4.2, 5, 6.8, 8.5 and 10.2mm	1	900.2008C	<b>142,63</b>

**330**

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**900**

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

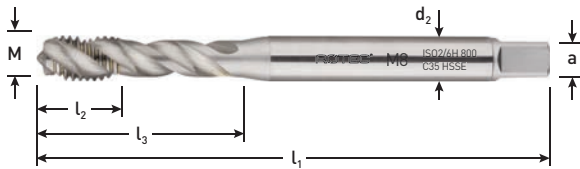


**Application:** For through holes in [alloyed] steels <800 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

Description	Content	pcs	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	<b>239,59</b>

**330**

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**900**

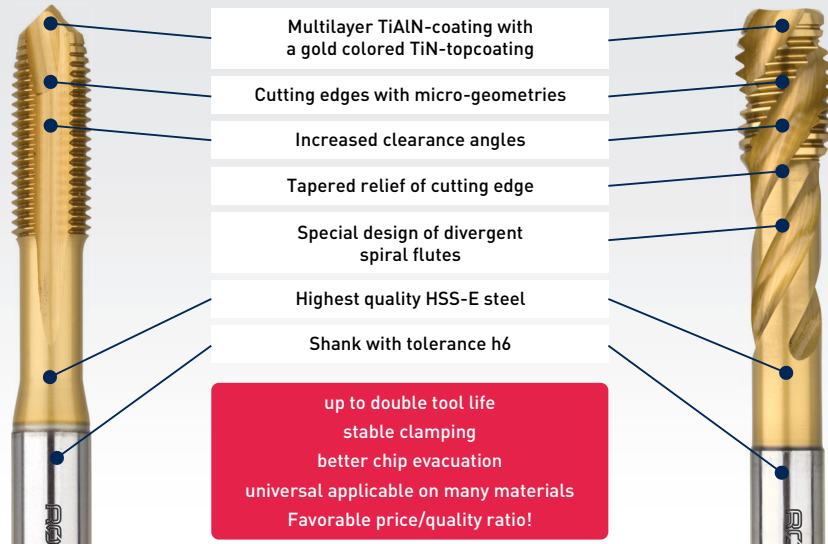
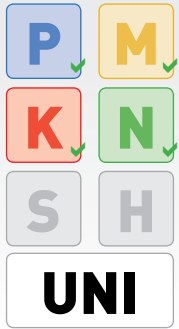
**HSS-E 800 Machine tap set, spiral, in ABS-cassette**



**Application:** For through holes in [alloyed] steels <800 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

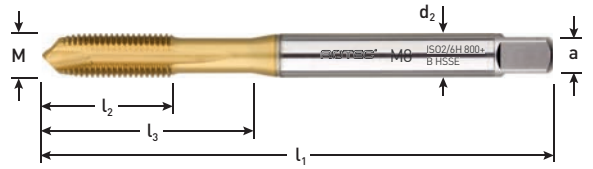
Description	Content	pcs	Item no.	€/PU
7+7 piece machine tap and drill bit set, for blind holes	HSS-E machine taps "800" [330], spiral: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12  HSS-E drill bits [111]: DIN 338 : 1x ø2.5, 3.3, 4.2, 5, 6.8, 8.5 and 10.2mm	1	900.2009C	<b>256,82</b>

**800+**



- Multilayer TiAlN-coating with a gold colored TiN-topcoating
  - Cutting edges with micro-geometries
  - Increased clearance angles
  - Tapered relief of cutting edge
  - Special design of divergent spiral flutes
  - Highest quality HSS-E steel
  - Shank with tolerance h6
- up to double tool life  
 stable clamping  
 better chip evacuation  
 universal applicable on many materials  
 Favorable price/quality ratio!

**330T HSS-E '800+' Machine tap, metric, DIN 371, gun**



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

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

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



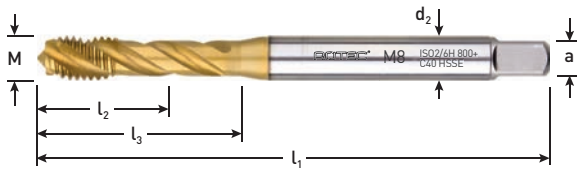
M	p	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€/PU
3	0,5	56	11	2,2	1,8	-	1	330.0301T	<b>30,20</b>
4	0,7	63	12	2,8	2,1	-	1	330.0401T	<b>28,99</b>
5	0,8	70	14	3,5	2,7	-	1	330.0501T	<b>31,46</b>
6	1	80	18	4,5	3,4	-	1	330.0601T	<b>32,46</b>
8	1,25	90	20	6,0	4,9	-	1	330.0801T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

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



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



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

**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/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, 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 <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€ / PU
6	1	80	10	6,0	4,9	30	1	330.0600TC	<b>28,99</b>
7	1	80	10	7,0	5,5	30	1	330.0700TC	<b>41,85</b>
8	1,25	90	13	8,0	6,2	35	1	330.0800TC	<b>34,84</b>
9	1,25	90	13	9,0	7,0	35	1	330.0900TC	<b>57,08</b>
10	1,5	100	15	10,0	8,0	39	1	330.1000TC	<b>45,82</b>

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



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

**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/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, 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 <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€ / PU
22	2,5	140	25	18,0	14,5	-	1	330.2200TC	<b>188,32</b>
24	3	160	30	18,0	14,5	-	1	330.2400TC	<b>191,49</b>
27	3	160	30	20,0	16,0	-	1	330.2700TC	<b>244,67</b>
30	3,5	180	35	22,0	18,0	-	1	330.3000TC	<b>287,46</b>
33	3,5	180	35	25,0	20,0	-	1	330.3300TC	<b>412,40</b>
36	4	200	40	28,0	22,0	-	1	330.3600TC	<b>555,36</b>
39	4	200	40	32,0	24,0	-	1	330.3900TC	<b>663,16</b>
42	4,5	200	45	32,0	24,0	-	1	330.4200TC	<b>668,46</b>
45	4,5	220	45	36,0	29,0	-	1	330.4500TC	<b>706,67</b>
48	5	250	50	36,0	29,0	-	1	330.4800TC	<b>711,63</b>
52	5	250	50	40,0	30,0	-	1	330.5200TC	<b>852,34</b>

**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/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, 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	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	<b>190,66</b>
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	<b>204,97</b>

**331**

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



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

**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/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

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

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



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

**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/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

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

**900**

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

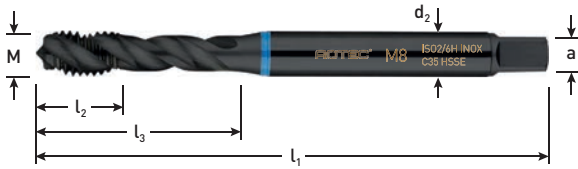


**Application:** For tapping of stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

Description	Content	pcs	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	<b>260,47</b>

**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/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3



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

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

**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/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3



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

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

**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/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

Description	Content	pcs	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	900.20091C	<b>278,33</b>

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

### 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/mm<sup>2</sup>.  
Material groups : 2.1 - 2.3

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

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



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

### 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/mm<sup>2</sup>.  
Material groups : 2.1 - 2.3

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

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



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

**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 <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€/PU
6	1	80	10	6,0	4,9	30	1	331.0600HC	<b>33,51</b>
8	1,25	90	13	8,0	6,2	35	1	331.0800HC	<b>40,77</b>
10	1,5	100	15	10,0	8,0	39	1	331.1000HC	<b>54,37</b>

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



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

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

**900**

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

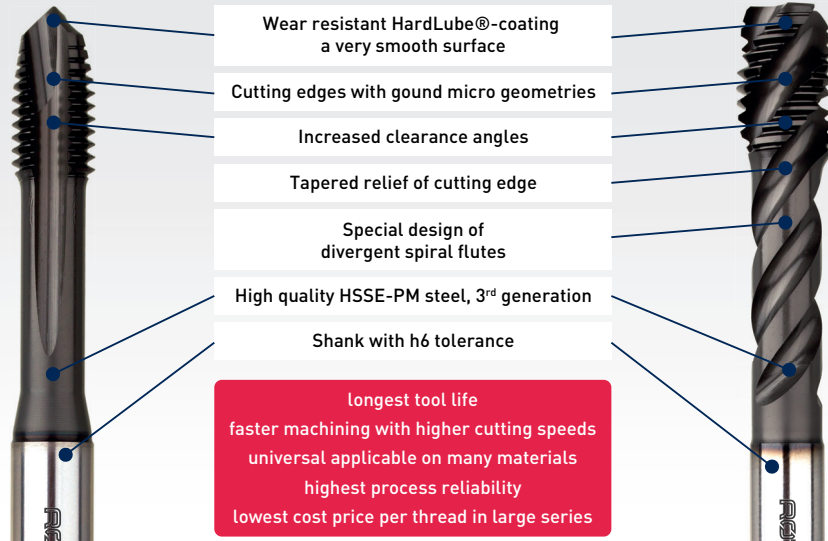
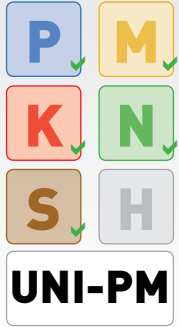


**Execution:** HSS-E machine tap set, DIN 371/376, metric [M], 60°, ISO2 (6H). Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

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

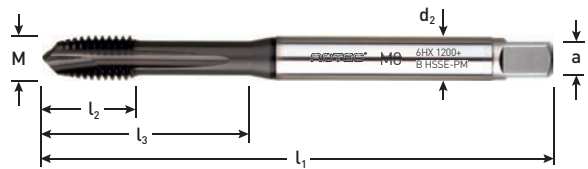
Description	Content	pcs	Item no.	€/PU
7 piece machine tap set, for through holes	HSS-E machine taps 'Inox+' (331H), gun: DIN 371 : 1x M3, M4, M5, M6, M8 and M10 DIN 376 : 1x M12	1	900.2014	<b>239,32</b>
7 piece machine tap set, for blind holes	HSS-E machine taps 'Inox+' (331H), spiral: DIN 371 : 1x M3,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

# 1200+



- Wear resistant HardLube®-coating a very smooth surface
  - Cutting edges with ground micro geometries
  - Increased clearance angles
  - Tapered relief of cutting edge
  - Special design of divergent spiral flutes
  - High quality HSSE-PM steel, 3<sup>rd</sup> generation
  - Shank with h6 tolerance
- longest tool life  
faster machining with higher cutting speeds  
universal applicable on many materials  
highest process reliability  
lowest cost price per thread in large series

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



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

### 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/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm<sup>2</sup>.  
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 <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€/PU
5	0,8	70	8	6,0	4,9	25	1	336.0500	<b>37,38</b>
6	1	80	10	6,0	4,9	30	1	336.0600	<b>38,71</b>
8	1,25	90	13	8,0	6,2	35	1	336.0800	<b>46,53</b>
10	1,5	100	15	10,0	8,0	39	1	336.1000	<b>61,16</b>

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



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

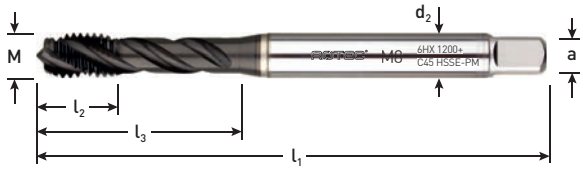
### 1200+

**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/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm<sup>2</sup>.  
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 <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€/PU
20	2,5	140	25	16,0	12,0	-	1	336.2000	<b>188,54</b>
24	3	160	30	18,0	14,5	-	1	336.2400	<b>243,37</b>

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



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

**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/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm<sup>2</sup>.  
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 <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€ / PU
5	0,8	70	8	6,0	4,9	25	1	336.0500C	<b>41,54</b>
6	1	80	10	6,0	4,9	30	1	336.0600C	<b>43,05</b>
8	1,25	90	13	8,0	6,2	35	1	336.0800C	<b>51,71</b>
10	1,5	100	15	10,0	8,0	39	1	336.1000C	<b>67,90</b>

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



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

**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/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm<sup>2</sup>.  
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 <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€ / PU
16	2	110	20	12,0	9,0	-	1	336.1600C	<b>141,16</b>
20	2,5	140	25	16,0	12,0	-	1	336.2000C	<b>209,49</b>

**900**

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

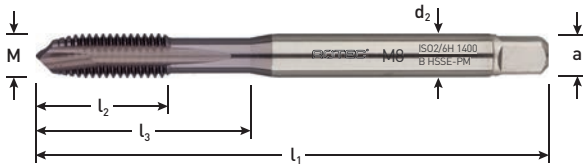


**Execution:** HSS-E PM machine taps DIN 371/376, metric [M], 60°, ISO1 (4H) (M1-M1,4), ISO 2(6H) (M1,6-M2,6), 6HX (M3-M10). Higher cutting speeds and increased tool life due to a thin but very wear resistant HardLube®-coating with a low coefficient of friction.

**Application:** Universal high-performance taps for through holes in (alloyed) steels <1.200 N/mm<sup>2</sup>, stainless steel <1.000 N/mm<sup>2</sup>, cast iron <240 HB, aluminium (alloys), copper (alloys), super alloys and titanium <675 N/mm<sup>2</sup>.  
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	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	<b>307,23</b>
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	<b>349,97</b>

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

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

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



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

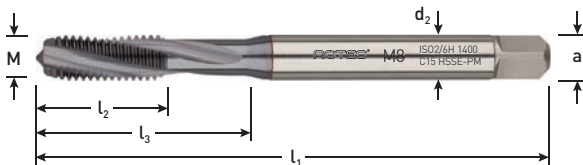
**1400**

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

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

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



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

**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.

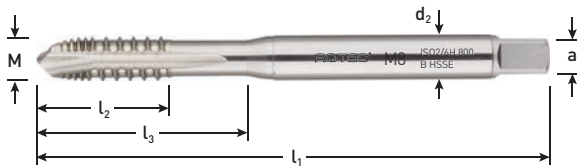
**Application:** For tapping of (high) alloyed steels like Hardox, Weldox etc. with tensile strength < 1.400 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 1.5 - 1.6 - 3.2 - 3.3

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



**333**

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



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

**UNI**

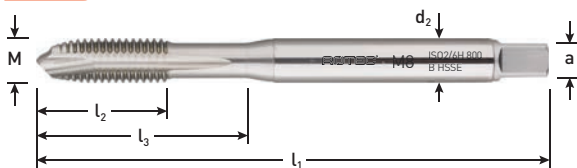
**Execution:** HSS-E machine taps with interrupted cut, according to DIN 371 with reinforced shank (up to M10) and DIN 376 with reduced shank, for metric thread in through holes, form B lead chamfer, bright finish.

**Application:** For tapping in mild steel (<800 N/mm<sup>2</sup>), aluminium, brass and bronze.  
Material groups : 1.1 - 1.3 / 4.1 - 4.10

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

**330**

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



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

**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/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**800**

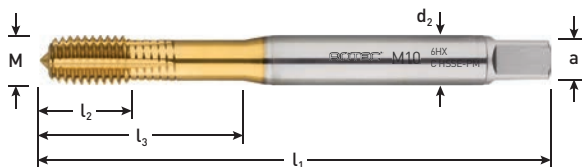
**Execution:** HSS-E machine taps according to DIN 376, for left handed metric thread in through holes, ISO 2 (6H), form B lead chamfer, bright finish.

**Application:** For tapping [alloyed] steels with tensile strength < 800 N/mm<sup>2</sup>  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**353**

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



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

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

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



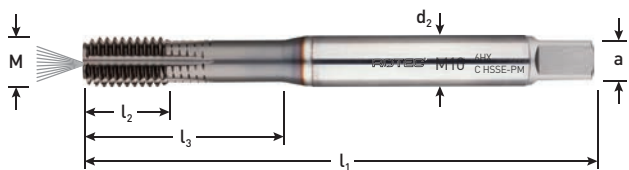
M	p	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	l <sub>3</sub>	pcs	Item no.	€/PU
3	0,5	56	10	3,5	2,7	18	1	353.0300T	<b>43,75</b>
4	0,7	63	7	4,5	3,4	21	1	353.0400T	<b>43,75</b>
5	0,8	70	8	6,0	4,9	25	1	353.0500T	<b>48,06</b>

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

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



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

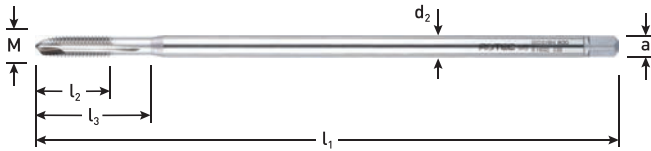
**Execution:** High performance HSSE-PM (powder metallurgical steel) roll form taps according to DIN 371, ISO2 (6HX), with coolant grooves, TiCN-coating for faster cutting conditions and improved tool life. Coolant through for better lubrication and chip evacuation.

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

**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.

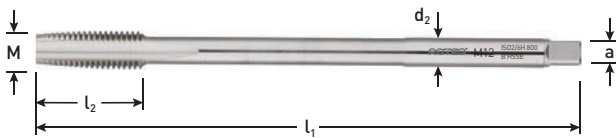
**Application:** For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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

**350**

**HSS Machine tap, metric, long**



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

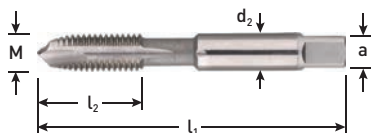
**Application:** For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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

**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.

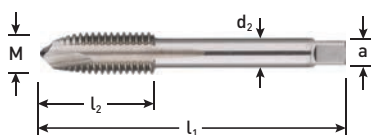
**Application:** For tapping of through holes in (alloyed) steels with tensile strength < 800 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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

**Threading set, metric [M], in plastic case**



Description	Content	pcs/PU	Item no.	€/PU
26 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 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	<b>170,84</b>

**335**

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

MF	p	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs	Item no.	€/PU
20	2	125	24	16,0	12,0	1	335.2020	<b>152,59</b>
22	1	125	25	18,0	14,5	1	335.2210	<b>153,77</b>
22	1,5	125	24	18,0	14,5	1	335.2215	<b>147,46</b>
22	2	125	24	18,0	14,5	1	335.2220	<b>160,90</b>
24	1	140	27	18,0	14,5	1	335.2410	<b>149,00</b>
24	1,5	140	27	18,0	14,5	1	335.2415	<b>136,48</b>
24	2	140	28	18,0	14,5	1	335.2420	<b>149,00</b>
25	1,5	140	27	18,0	14,5	1	335.2515	<b>241,75</b>
26	1,5	140	27	18,0	14,5	1	335.2615	<b>286,70</b>
27	1,5	140	27	20,0	16,0	1	335.2715	<b>225,54</b>
27	2	140	27	20,0	16,0	1	335.2720	<b>294,72</b>
30	1	150	27	22,0	18,0	1	335.3010	<b>418,23</b>
30	1,5	150	27	22,0	18,0	1	335.3015	<b>214,27</b>
30	2	150	28	22,0	18,0	1	335.3020	<b>233,74</b>
32	1,5	150	27	22,0	18,0	1	335.3215	<b>233,74</b>
33	1,5	160	30	25,0	20,0	1	335.3315	<b>422,34</b>
36	1,5	170	30	28,0	22,0	1	335.3615	<b>318,12</b>
36	2	170	30	28,0	22,0	1	335.3620	<b>488,52</b>
38	1,5	170	24	28,0	22,0	1	335.3815	<b>467,46</b>
40	1,5	170	25	32,0	24,0	1	335.4015	<b>384,10</b>
50	1,5	190	27	36,0	29,0	1	335.5015	<b>934,83</b>
63	1,5	275	40	50,0	39,0	1	335.6315	<b>2089,42</b>

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



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

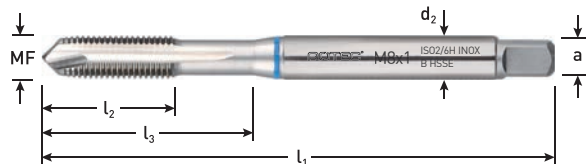
**800**

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

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

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



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

**INOX 1000**

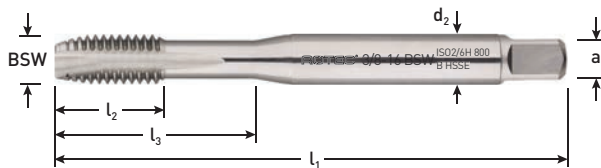
**Execution:** HSS-E machine taps according to DIN 374, metric fine thread, ISO2 (6H), 40° spiral helix, form C lead chamfer, uncoated.

**Application:** For tapping of blind holes in stainless steels or (alloyed) steels with tensile strength < 1.000 N/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 2.3

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

**337**

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

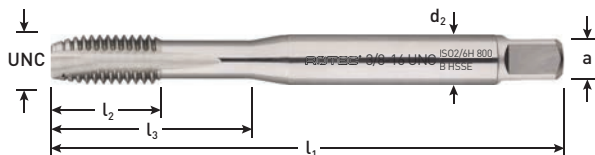
**800**

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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



**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

UNF	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs	Item no.	€/ PU
Nr.10	14	70	14	6,0	4,9	1	339.0100C	<b>44,63</b>
1/4	18	80	18	7,0	5,5	1	339.0140C	<b>36,74</b>
5/16	20	90	20	8,0	6,2	1	339.0160C	<b>44,46</b>
3/8	21	100	20	10,0	8,0	1	339.0180C	<b>48,88</b>

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**341**

**HSS-E 800 Machine tap, BSP, gun**



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**HSS-E 800 Machine tap, BSP, spiral**



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

BSP	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs	Item no.	€/PU
7/8	14	150	22	22,0	18,0	1	341.0875C	<b>236,05</b>
1	11	160	24	25,0	20,0	1	341.1000C	<b>266,54</b>
1.1/4	11	170	25	32,0	24,0	1	341.1250C	<b>532,02</b>
1.1/2	11	190	27	36,0	29,0	1	341.1500C	<b>1082,83</b>
2	11	220	40	45,0	35,0	1	341.2000C	<b>1508,80</b>

**323**

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



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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4

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

**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/mm<sup>2</sup>. Material groups : 1.1 - 1.2 - 1.3



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

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

**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/mm<sup>2</sup>. Material groups : 1.1 - 1.2 - 1.3

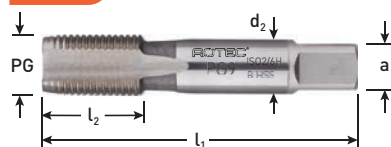


NPT	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs	Item no.	€/PU
1/16	27	90	20	6,0	4,9	1	343.0020	<b>84,54</b>
1/8	27	90	20	7,0	5,5	1	343.0040	<b>68,18</b>
1/4	18	100	22	11,0	9,0	1	343.0060	<b>68,52</b>
3/8	18	100	22	12,0	9,0	1	343.0080	<b>79,18</b>

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

**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/mm<sup>2</sup>. Material groups : 1.1 - 1.2 - 1.3

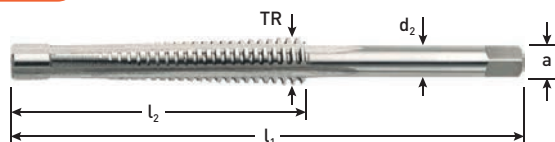


PG	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs	Item no.	€/PU
7	20	70	22	9,0	7,0	1	345.0700	<b>30,78</b>
9	18	70	22	12,0	9,0	1	345.0900	<b>41,02</b>
11	18	80	22	14,0	11,0	1	345.1100	<b>67,32</b>
13,5	18	80	22	16,0	12,0	1	345.1350	<b>80,14</b>

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

**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

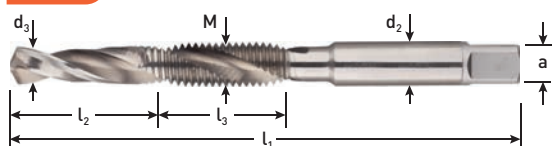


TR	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs	Item no.	€/PU
12	3	165	111	8	6,2	1	356.1200	<b>547,76</b>
14	3	140	85	10	8	1	356.1400	<b>583,32</b>
16	4	180	116	11	9	1	356.1600	<b>638,23</b>
18	4	190	120	12	9	1	356.1800	<b>652,84</b>

TR	P	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	a	pcs	Item no.	€/PU
20	4	200	124	14	11	1	356.2000	<b>679,43</b>
22	5	235	155	16	12	1	356.2200	<b>879,90</b>
24	5	245	160	18	14,5	1	356.2400	<b>1012,30</b>

**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 according to DIN 10 (machine tap shanks),

**Application:** For through holes.

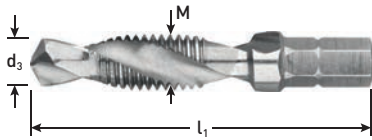


M	p	d <sub>3</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	d <sub>2</sub>	a	pcs	Item no.	€/PU
3	0,5	2,4	56	16	11	3,0	2,5	1	355.0300	<b>31,48</b>
4	0,7	3	63	18	14	4,0	3,3	1	355.0400	<b>30,40</b>
5	0,8	3,8	70	20	18	5,0	4,2	1	355.0500	<b>30,40</b>
6	1,0	4,9	80	22	22	6,0	5	1	355.0600	<b>33,95</b>
8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

**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 <sub>1</sub>	d <sub>3</sub>	pcs	Item no.	€ / PU
3	0,5	36	2,5	1	316.0300	<b>17,12</b>
4	0,7	39	3,3	1	316.0400	<b>17,12</b>
5	0,8	41	4,2	1	316.0500	<b>17,12</b>
6	1,0	44	5,0	1	316.0600	<b>17,12</b>
8	1,25	50	6,8	1	316.0800	<b>23,59</b>
10	1,5	59	8,5	1	316.1000	<b>28,33</b>

**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	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	<b>106,56</b>

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

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

**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	<b>102,38</b>

**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	<b>179,38</b>



**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 1.4 - 2.1 - 2.2 - 4.2 - 4.3



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

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

**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/mm<sup>2</sup>.  
Material groups : 1.1 - 1.2 - 1.3 - 4.2



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

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

**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/mm<sup>2</sup>. Material groups : 1.1 - 1.2 - 1.3 - 4.2

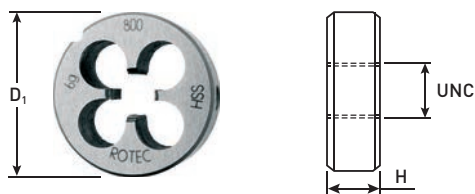


MF	p	D <sub>1</sub>	H (mm)	pcs/PU	Item no.	€ / PU
3	0,35	20	5	1	361.0303	<b>25,69</b>
4	0,5	20	5	1	361.0405	<b>26,49</b>
5	0,5	20	5	1	361.0505	<b>27,83</b>
6	0,5	20	5	1	361.0605	<b>26,09</b>
6	0,75	20	7	1	361.0607	<b>25,81</b>
7	0,75	25	9	1	361.0707	<b>29,74</b>
8	0,50	25	9	1	361.0805	<b>27,99</b>
8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

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

**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/mm<sup>2</sup>. Material groups : 1.1 - 1.2 - 1.3 - 4.2



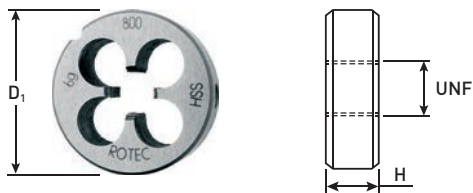
UNC	P	D <sub>1</sub>	H (mm)	pcs/PU	Item no.	€ / PU
1/4	20	20	7	1	363.0014	<b>24,12</b>
5/16	18	25	9	1	363.0016	<b>33,59</b>
3/8	16	30	11	1	363.0018	<b>37,35</b>
7/16	14	30	11	1	363.0020	<b>42,60</b>
1/2	13	38	14	1	363.0022	<b>48,43</b>

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



**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

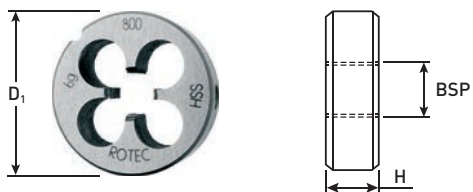


UNF	P	D <sub>1</sub>	H (mm)	pcs/PU	Item no.	€ / PU
1/4	28	20	7	1	364.0014	<b>29,80</b>
5/16	24	25	9	1	364.0016	<b>33,59</b>
3/8	24	30	11	1	364.0018	<b>37,35</b>
7/16	20	30	11	1	364.0020	<b>42,60</b>
1/2	20	38	10	1	364.0022	<b>48,43</b>

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

**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

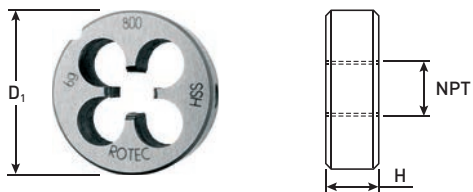


BSP	P	D <sub>1</sub>	H (mm)	pcs/PU	Item no.	€ / PU
1/8	28	30	11	1	365.0125	<b>29,81</b>
1/4	19	38	10	1	365.0250	<b>31,52</b>
3/8	19	45	14	1	365.0375	<b>47,50</b>
1/2	14	45	14	1	365.0500	<b>47,50</b>

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

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

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

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

M	p	S <sub>1</sub>	H (mm)	pcs/PU	Item no.	€ / PU
14	2,0	36	14	1	370.1400	<b>54,80</b>
16	2,0	41	18	1	370.1600	<b>77,32</b>
18	2,5	41	18	1	370.1800	<b>73,24</b>
20	2,5	41	18	1	370.2000	<b>77,32</b>
22	2,5	50	22	1	370.2200	<b>122,36</b>
24	3,0	50	22	1	370.2400	<b>158,20</b>
27	3,0	60	25	1	370.2700	<b>225,57</b>
30	3,5	60	25	1	370.3000	<b>238,13</b>

**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	<b>186,19</b>

**371**

**HSS Hexagon die nut, metric fine**



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

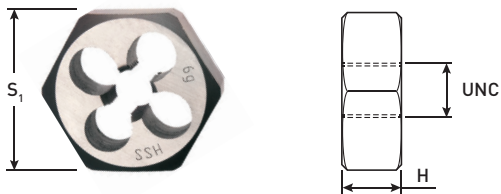
**Application:** For cleaning up damaged threads.  
Die nuts cannot be used for cutting new threads.

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

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

**373**

**HSS Hexagon die nut, UNC**



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

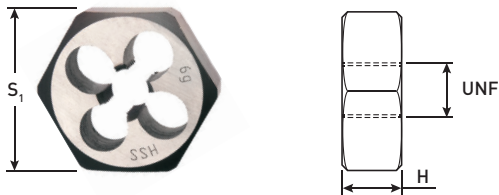
**Application:** For cleaning up damaged threads.  
Die nuts cannot be used for cutting new threads.

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

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

**374**

**HSS Hexagon die nut, UNF**



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

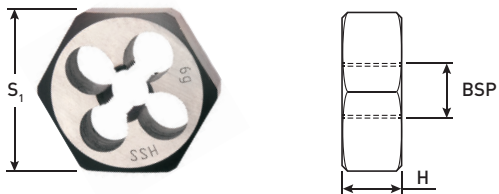
**Application:** For cleaning up damaged threads.  
Die nuts cannot be used for cutting new threads.

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

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

**377**

**HSS Hexagon die nut, BSP (G)**

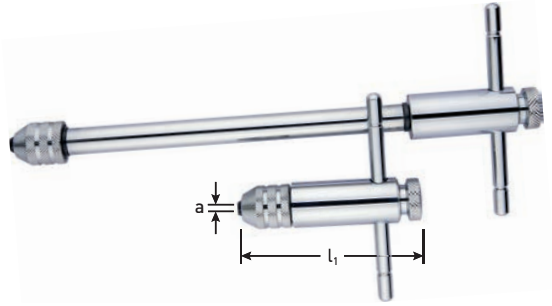


**Execution:** HSS hexagonal die nuts, according to DIN 382, for BSP threads.

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

BSP	P	S <sub>1</sub>	H (mm)	pcs/PU	Item no.	€ / PU
1/8	28	27	10	1	377.0125	<b>49,90</b>
1/4	19	36	10	1	377.0250	<b>58,10</b>
3/8	19	41	14	1	377.0375	<b>86,03</b>
1/2	14	41	14	1	377.0500	<b>86,03</b>
5/8	14	50	16	1	377.0625	<b>145,31</b>

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

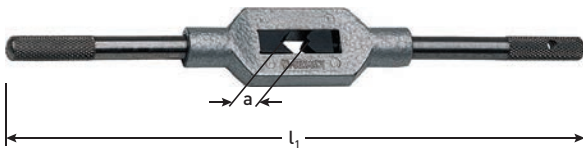


**Execution:** Ratcheting tap wrenches for hand taps, for both left and right handed operations. Standard (short) and long executions.

**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 <sub>1</sub>	pcs/PU	Item no.	€ / PU
1	M3 - M10	2,4 - 5,5	85	1	380.0001	<b>21,58</b>
2	M5 - M12	4,5 - 8,0	100	1	380.0002	<b>26,50</b>
10	M3 - M10	2,4 - 5,5	250	1	380.0010	<b>38,96</b>
20	M5 - M12	4,5 - 7,0	300	1	380.0020	<b>47,61</b>

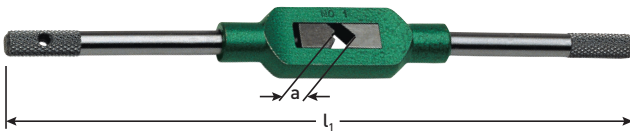
**Adjustable tapwrench, aluminium**



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

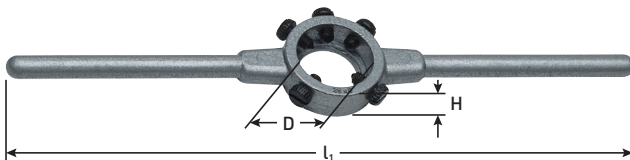
**Adjustable tapwrench, steel**



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

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

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

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

**Extractor set**


**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.

380.9000

380.9001

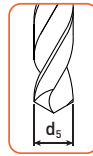
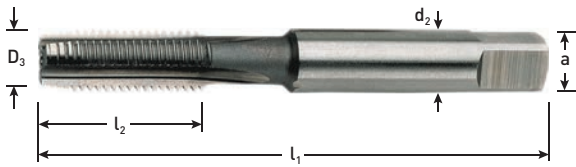
380.9002

380.9003

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	<b>12,57</b>
5 piece extractor set	1 - 5	M3 - M18	No. 1, 2, 3, 4 and 5 / 1 piece each	1	380.9001	<b>14,00</b>
6 piece extractor set	1 - 6	M3 - M24	No. 1, 2, 3, 4, 5 and 6 / 1 piece each	1	380.9002	<b>20,00</b>
8 piece extractor set	1 - 8	M3 - M50	No. 1, 2, 3, 4, 5, 6, 7 and 8 / 1 piece each	1	380.9003	<b>52,91</b>

**385**

**Ro-Coil HSS Bottom tap, metric [M]**

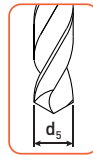
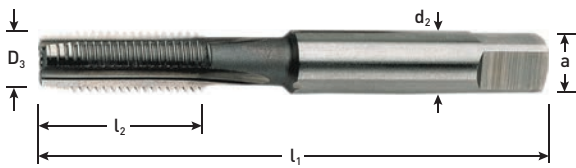


**Execution:** Ro-Coil HSS bottom tap, metric [M], 60°, tolerance ISO 2 (6H), for Ro-Coil thread inserts.

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

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

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



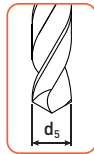
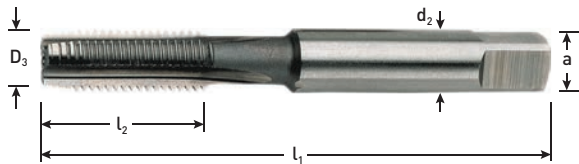
**Execution:** Ro-Coil HSS bottom tap, metric fine [MF], 60°, tolerance ISO 2 (6H), for Ro-Coil thread inserts.

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

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

**386**

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

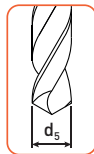


**Execution:** Ro-Coil HSS bottom tap, UNC, 60°, tolerance ISO 2 B, for Ro-Coil thread inserts.  
**Application:** For tapping threads in non-ferrous metals that are the correct size for the corresponding Ro-Coil thread inserts.

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

**386**

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



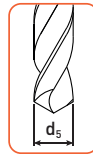
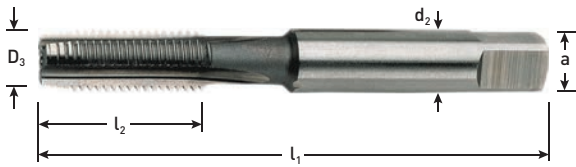
**Execution:** Ro-Coil HSS bottom tap, UNC, 60°, tolerance ISO 2 B, for Ro-Coil thread inserts.  
**Application:** For tapping threads in non-ferrous metals that are the correct size for the corresponding Ro-Coil thread inserts.

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



**387**

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

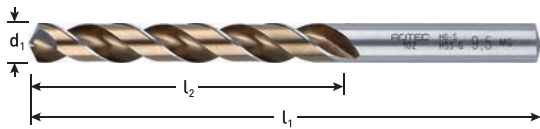


**Execution:** Ro-Coil HSS bottom tap, BSP (G), 55°, tolerance ISO (6H), for Ro-Coil thread inserts.  
**Application:** For the manual tapping of holes to fit Ro-Coil thread inserts in non-ferrous metals and soft steels.

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

**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 <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3,2	65	36	10	102.0320	<b>23,85</b>
4,2	75	43	10	102.0420	<b>27,10</b>
5,1	86	52	10	102.0510	<b>32,68</b>
5,2	86	52	10	102.0520	<b>32,68</b>
6,3	101	63	10	102.0630	<b>42,02</b>
6,6	101	63	10	102.0660	<b>44,96</b>
6,7	101	63	10	102.0670	<b>59,80</b>
7,3	109	69	10	102.0730	<b>72,98</b>
8,2	117	75	5	102.0820	<b>32,94</b>
8,3	117	75	5	102.0830	<b>35,22</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,8	133	87	5	102.0980	<b>50,04</b>
9,9	133	87	5	102.0990	<b>50,04</b>
10,0	133	87	5	102.1000	<b>43,44</b>
10,3	133	87	5	102.1030	<b>63,03</b>
10,4	133	87	5	102.1040	<b>63,03</b>
11,5	142	94	5	102.1150	<b>70,24</b>
12,3	151	101	5	102.1230	<b>98,35</b>
12,4	151	101	5	102.1240	<b>103,17</b>
13,0	151	101	5	102.1300	<b>96,27</b>


**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	<b>13,49</b>
Nr. 6	M4 x 0,7		1	390.9306	<b>13,49</b>
Nr. 7		UNC No. 10 x 24	1	390.9307	<b>13,49</b>
Nr. 8	M5 x 0,8	UNF No. 10 x 32	1	390.9308	<b>13,49</b>
Nr. 9	M6 x 1,0	UNC 1/4 x 20 UNF 1/4 x 28	1	390.9309	<b>13,49</b>
Nr. 10	M7 x 1,0	UNC 5/16 x 18	1	390.9310	<b>15,45</b>
Nr. 11	M8 x 1,25 MF8 x 1,0	UNC 5/16 x 24	1	390.9311	<b>15,45</b>
Nr. 12		UNC 3/8 x 16	1	390.9312	<b>16,60</b>
Nr. 13	M10 x 1,5 MF10 x 1,25 MF10 x 1,0	UNF 3/8 x 24	1	390.9313	<b>16,60</b>
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	<b>19,46</b>

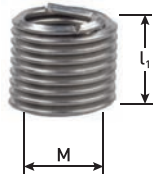
Nr.	M / MF	UNC / UNF	pcs/PU	Item no.	€ / PU
Nr. 16	M14 x 2,0 MF14 x 1,5		1	390.9316	<b>23,25</b>
Nr. 17	MF14 x 1,25 MF14 x 1,0		1	390.9317	<b>23,25</b>
Nr. 18	M16 x 2,0 MF16 x 1,5	UNC 5/8 x 11 UNF 5/8 x 18	1	390.9318	<b>25,61</b>
Nr. 20	M18 x 2,5 MF18 x 2,0 MF18 x 1,5		1	390.9320	<b>25,61</b>
Nr. 21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

**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	<b>5,71</b>
Nr. 6	M4 x 0,7	UNC No. 10 x 24	1	390.9404	<b>6,00</b>
Nr. 8	M5 x 0,8	UNF No. 10 x 32	1	390.9405	<b>6,00</b>
Nr. 9	M6 x 1,0	UNC 1/4 x 20 UNF 1/4 x 28	1	390.9406	<b>6,00</b>
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	<b>6,70</b>
Nr. 12		UNC 3/8 x 16	1	390.9409	<b>6,70</b>

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	<b>6,70</b>
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	<b>8,09</b>



**M**

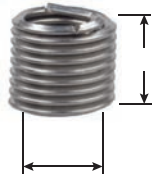
**Execution:** Ro-Coil thread inserts, made from high-grade CrNi-steel, temperature and corrosion resistant.

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

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

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

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

**Ro-Coil Thread insert, UNC**



**UNC**

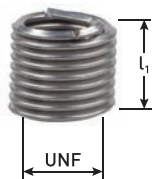
**Execution:** Ro-Coil thread inserts, made from high-grade CrNi-steel, temperature and corrosion resistant.

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

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

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

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

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

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

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

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

**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	<b>228,30</b>

**391**

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

**ROTEC®**



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

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

**392**

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

**ROTEC®**



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

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

**393**

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

**ROTEC®**



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

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



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

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

