

# Wood drill bits Router bits





**230**

**Spade drill bit, in EV-pack**



**Execution:** Spade drill bit, with 1/4" hexagonal shank according to DIN 3126-E6.3, ground, hardened, with chip-breaker geometry. Hexagon shank avoids slipping in drill chuck.

**Application:** For drilling of soft and hard wood, particleboard, gypsum board etc.

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
6	152	1	230.0600	<b>3,77</b>
8	152	1	230.0800	<b>3,77</b>
10	152	1	230.1000	<b>3,98</b>
12	152	1	230.1200	<b>4,28</b>
13	152	1	230.1300	<b>4,28</b>
14	152	1	230.1400	<b>4,48</b>
15	152	1	230.1500	<b>5,03</b>
16	152	1	230.1600	<b>5,09</b>
17	152	1	230.1700	<b>5,41</b>
18	152	1	230.1800	<b>5,41</b>
19	152	1	230.1900	<b>5,41</b>
20	152	1	230.2000	<b>5,41</b>

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
22	152	1	230.2200	<b>5,92</b>
24	152	1	230.2400	<b>6,43</b>
25	152	1	230.2500	<b>6,84</b>
26	152	1	230.2600	<b>7,34</b>
28	152	1	230.2800	<b>8,37</b>
30	152	1	230.3000	<b>8,77</b>
32	152	1	230.3200	<b>9,07</b>
35	152	1	230.3500	<b>10,61</b>
36	152	1	230.3600	<b>10,61</b>
38	152	1	230.3800	<b>11,82</b>
40	152	1	230.4000	<b>13,05</b>

**Spade drill bit, in box**



**Execution:** Spade drill bit, with 1/4" hexagonal shank according to DIN 3126-E6.3, ground, hardened, with chip-breaker geometry. Hexagon shank avoids slipping in drill chuck.

**Application:** For drilling of soft and hard wood, particleboard, gypsum board etc.

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
6	152	10	230.0601	<b>33,98</b>
8	152	10	230.0801	<b>33,98</b>
10	152	10	230.1001	<b>35,84</b>
12	152	10	230.1201	<b>38,58</b>
13	152	10	230.1301	<b>38,58</b>
14	152	10	230.1401	<b>40,43</b>
15	152	10	230.1501	<b>42,78</b>
16	152	10	230.1601	<b>45,89</b>
17	152	10	230.1701	<b>48,60</b>
18	152	10	230.1801	<b>48,60</b>

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
19	152	10	230.1901	<b>48,60</b>
20	152	10	230.2001	<b>48,60</b>
22	152	10	230.2201	<b>53,20</b>
24	152	10	230.2401	<b>57,79</b>
25	152	10	230.2501	<b>61,51</b>
26	152	5	230.2601	<b>33,05</b>
28	152	5	230.2801	<b>37,65</b>
30	152	5	230.3001	<b>39,44</b>
32	152	5	230.3201	<b>40,85</b>
35	152	5	230.3501	<b>47,74</b>

**900**

**Spade drill bit set, in wooden case**



**Execution:** Spade drill bits, with 1/4" hexagonal-shank according to DIN 3126-E6.3, ground, hardened, with chip-breaker geometry. Hexagon shank avoids slipping in drill chuck.

**Application:** For drilling of soft and hard wood, particleboard, gypsum board etc.

Description	Type	Content	pcs/PU	Item no.	€ / PU
13 pc spade drill bit set	230	1x ø6, 8, 10, 12, 13, 14, 16, 18, 19, 20, 22, 24 and 25	1	900.1018	<b>40,47</b>

**Spade drill bit set, in plastic case**



**Execution:** Spade drill bits, with 1/4" hexagonal shank according to DIN 3126-E6.3, ground, hardened, with chip-breaker geometry. Hexagon shank avoids slipping in drill chuck.

**Application:** For drilling of soft and hard wood, particleboard, gypsum board etc.

Description	Type	Content	pcs/PU	Item no.	€ / PU
8 pc spade drill bit set	230	ø12, 14, 16, 18, 20, 22, 25 and 32mm / 1 piece each	1	900.1022K	<b>43,42</b>

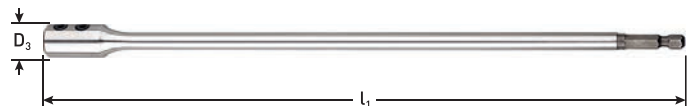
**230 Extension for spade drill bits, quick-lock**



**Execution:** Shank extensions for spade drill bits with 1/4" shank according to DIN 3126-E6.3 and a quick-change-system for easy and quick changing of drill bits.

l <sub>1</sub>	D <sub>3</sub>	pcs/PU	Item no.	€ / PU
150	12	1	230.5000	<b>18,42</b>
300	12	1	230.5001	<b>21,84</b>

**Extension for spade drill bits**



**Execution:** Shank extensions for spade drill bits with 1/4" shank according to DIN 3126-E6.3.

l <sub>1</sub>	D <sub>3</sub>	pcs/PU	Item no.	€ / PU
300	12	1	230.5003	<b>17,80</b>

**231 Spade drill bit, long, in clip**



**Execution:** Spade drill bit, with 1/4" hexagonal shank according to DIN 3126-E6.3, ground, hardened, with chip-breaker geometry. Hexagon shank avoids slipping in drill chuck.

**Application:** For drilling of soft and hard wood, particleboard, gypsum board etc.

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
6	400	1	231.0600	<b>7,40</b>
8	400	1	231.0800	<b>7,74</b>
10	400	1	231.1000	<b>8,43</b>
12	400	1	231.1200	<b>9,11</b>
14	400	1	231.1400	<b>9,42</b>
16	400	1	231.1600	<b>9,48</b>
18	400	1	231.1800	<b>9,82</b>
19	400	1	231.1900	<b>10,37</b>

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
20	400	1	231.2000	<b>10,37</b>
22	400	1	231.2200	<b>12,18</b>
24	400	1	231.2400	<b>12,59</b>
25	400	1	231.2500	<b>13,49</b>
28	400	1	231.2800	<b>15,78</b>
30	400	1	231.3000	<b>16,26</b>
32	400	1	231.3200	<b>17,22</b>
35	400	1	231.3500	<b>18,12</b>

**233**

**Spade drill bit, Heavy-Duty, in clip**



**DIN 3126 E6.3**

**Execution:** Heavy-duty spade drill bit, with reinforced shank and 1/4" hexagonal drive according to DIN 3126-E6.3, hardened, precision ground, thick blade. Hexagon drive eliminates slipping in drill chuck.

**Application:** For heavy-duty drilling applications, more resilient to burls and metal parts lodged in the wood.

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
6	152	1	233.0600	<b>5,33</b>
8	152	1	233.0800	<b>5,08</b>
10	152	1	233.1000	<b>5,38</b>
12	152	1	233.1200	<b>5,79</b>
13	152	1	233.1300	<b>5,79</b>
14	152	1	233.1400	<b>6,05</b>
16	152	1	233.1600	<b>6,86</b>
18	152	1	233.1800	<b>7,27</b>
19	152	1	233.1900	<b>7,27</b>
20	152	1	233.2000	<b>7,27</b>

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
22	152	1	233.2200	<b>7,96</b>
24	152	1	233.2400	<b>8,64</b>
25	152	1	233.2500	<b>9,21</b>
26	152	1	233.2600	<b>9,89</b>
28	152	1	233.2800	<b>11,28</b>
30	152	1	233.3000	<b>11,81</b>
32	152	1	233.3200	<b>12,23</b>
35	152	1	233.3500	<b>14,30</b>
38	152	1	233.3800	<b>15,93</b>
40	152	1	233.4000	<b>17,57</b>

**900**

**Spade drill bit set, Heavy-Duty, in plastic case**



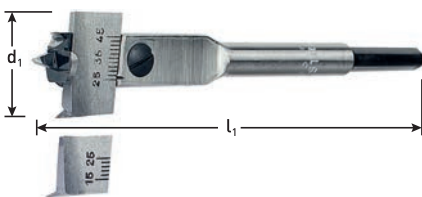
**Execution:** Heavy-duty spade drill bits, with reinforced shank and 1/4" hexagonal drive according to DIN 3126-E6.3, hardened, precision ground, thick blade. Hexagon drive eliminates slipping in drill chuck.

**Application:** For heavy-duty drilling applications, more resilient to burls and metal parts lodged in the wood.

Description	Type	Content	pcs/PU	Item no.	€ / PU
8 pc spade drill bit set Heavy-Duty	233	ø12, 14, 16, 18, 20, 22, 25 and 32mm / 1 piece each	1	900.1021K	<b>60,03</b>

**231**

**Spade drill bit, adjustable**



**Execution:** Adjustable spade drill bit, all parts hardened and precision ground, 2 exchangeable blades. Round shank with 3 flats to avoid slipping in drill chuck.

**Application:** For easy and fast drilling of accurate holes in fiberboard, particleboard, pine (standard and permeated), redwood, beech, oak and comparable kinds of wood. Best results with high cutting speeds.

d (min-max)	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
15 - 45	128	1	231.9001	<b>120,14</b>
22 - 75	170	1	231.9002	<b>138,59</b>
70 - 110	170	1	231.9003	<b>254,32</b>
15 - 45	205	1	231.9004	<b>162,55</b>

**232**

**HSS Form work drill bit**



**Execution:** HSS drill bit with excellent results on all materials. Superb chip evacuation up to the end of the flutes.

**Application:** For drilling of formwork, planking, beams, gypsum, sheet metals, non-ferrous metals, etc.  
PS: HSS quality, therefore also suitable as roofers` drill bits.

d <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	57	400	5	1	232.0600	<b>12,09</b>
6	57	600	5	1	232.0601	<b>12,94</b>
8	75	400	6	1	232.0800	<b>12,15</b>
8	75	600	6	1	232.0801	<b>13,07</b>
8	75	800	6	1	232.0802	<b>18,75</b>
10	87	400	8	1	232.1000	<b>14,14</b>
10	87	600	8	1	232.1001	<b>15,17</b>
10	87	800	8	1	232.1002	<b>18,75</b>
12	100	400	8	1	232.1200	<b>18,06</b>
12	100	600	8	1	232.1201	<b>19,03</b>
12	100	800	8	1	232.1202	<b>22,77</b>
14	100	400	8	1	232.1400	<b>21,69</b>
14	100	600	8	1	232.1401	<b>22,77</b>

d <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
14	100	800	8	1	232.1402	<b>27,20</b>
16	100	400	10	1	232.1600	<b>25,68</b>
16	100	600	10	1	232.1601	<b>27,15</b>
16	100	800	10	1	232.1602	<b>32,20</b>
18	100	400	10	1	232.1800	<b>30,73</b>
18	100	600	10	1	232.1801	<b>32,54</b>
18	100	800	10	1	232.1802	<b>38,05</b>
20	100	400	10	1	232.2000	<b>39,12</b>
20	100	600	10	1	232.2001	<b>40,84</b>
20	100	800	10	1	232.2002	<b>46,34</b>
22	100	400	10	1	232.2200	<b>52,31</b>
22	100	600	10	1	232.2201	<b>55,15</b>
22	100	800	10	1	232.2202	<b>63,20</b>

**235**

**Lip & spur drill bit, in EV-pack**



**Execution:** Lip & spur drill bit, made of chromium-vanadium steel.

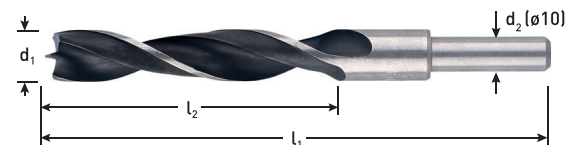
**Application:** For drilling of soft and hard wood, blockboard and particleboard

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
3	61	33	3	1	235.0300	<b>2,11</b>
4	75	43	4	1	235.0400	<b>2,11</b>
5	86	52	5	1	235.0500	<b>2,32</b>
6	93	57	6	1	235.0600	<b>2,32</b>
6	250	200	6	1	235.0602	<b>7,71</b>
7	109	69	7	1	235.0700	<b>2,58</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
8	117	75	8	1	235.0800	<b>2,79</b>
8	250	200	8	1	235.0802	<b>8,99</b>
9	120	81	9	1	235.0900	<b>4,20</b>
10	133	87	10	1	235.1000	<b>3,42</b>
10	250	200	10	1	235.1002	<b>10,50</b>

**235**

**Lip & spur drill bit, shank r10**



**Execution:** Lip & spur drill bit, made of chromium-vanadium steel.

**Application:** For drilling of soft and hard wood, blockboard and particleboard

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
11	142	89	10	1	235.1100	<b>4,63</b>
12	151	96	10	1	235.1200	<b>5,09</b>
12	250	200	10	1	235.1202	<b>13,08</b>
13	151	96	10	1	235.1300	<b>5,91</b>
14	151	96	10	1	235.1400	<b>6,49</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
15	160	100	10	1	235.1500	<b>7,53</b>
16	160	100	10	1	235.1600	<b>8,68</b>
18	180	120	10	1	235.1800	<b>13,60</b>
20	200	130	10	1	235.2000	<b>23,68</b>
22	200	130	10	1	235.2200	<b>27,64</b>

**Lip & spur drill bit, in 10-pack**



**Execution:** Lip & spur drill bits, made of chromium-vanadium steel.  
**Application:** For drilling of soft and hard wood, blockboard and particleboard

$d_1$	$l_1$	$l_2$	pcs/PU	Item no.	€ / PU
3	61	33	10	235.0301	<b>18,95</b>
4	75	43	10	235.0401	<b>18,95</b>
5	86	52	10	235.0501	<b>20,84</b>
6	93	57	10	235.0601	<b>20,84</b>

$d_1$	$l_1$	$l_2$	pcs/PU	Item no.	€ / PU
7	109	69	10	235.0701	<b>23,22</b>
8	117	75	10	235.0801	<b>25,11</b>
9	120	81	10	235.0901	<b>37,80</b>
10	133	87	10	235.1001	<b>30,77</b>

**900**

**Lip & spur drill bit set, in PVC-cassette**



**Execution:** Lip & spur drill bit, made of chromium-vanadium steel.  
**Application:** For drilling of soft and hard wood, blockboard and particleboard

Description	Type	Content	pcs/PU	Item no.	€ / PU
5 piece lip & spur drill bit set	235	ø4, 5, 6, 8 and 10 / 1 piece each	1	900.1050	<b>7,68</b>
8 piece lip & spur drill bit set	235	ø3, 4, 5, 6, 7, 8, 9 and 10 / 1 piece each	1	900.1051	<b>11,18</b>

**Drill bit set type '100', '225' and '235' in ABS cassette**



**Execution:** Set with twisted drill bits for metal (type '100'), wood (type '235') and stone (type '225') in a handy impact-resistant ABS cassette.

Description	Type	Content	pcs/PU	Item no.	€ / PU
18 pc combi jobber drill bit set	100	ø3, 4, 5, 6, 8 and 10mm / 1 pc each	1	900.1059	<b>32,71</b>
	225	ø3, 4, 5, 6, 8 and 10mm / 1 pc each			
	235	ø3, 4, 5, 6, 8 and 10mm / 1 pc each			

**Lip & spur drill bit set with drill stops, in plastic case**

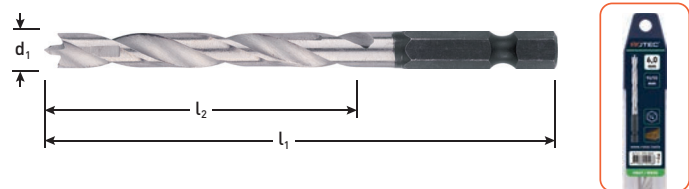


**Execution:** Lip & spur drill bit, made of chromium-vanadium steel.  
**Application:** For drilling of soft and hard wood, blockboard and particleboard

Description	Type	Content	pcs/PU	Item no.	€ / PU
13 piece lip & spur drill bit set	235	1x lip & spur drill bit ø3, 4, 5, 6, 8 and 10 1x drill stop ø3, 4, 5, 6, 8 and 10 1x hex key	1	900.1052	<b>52,45</b>

**235**

**Lip & spur drill bit, 1/4" (E6.3) bit shank, in EV-pack**

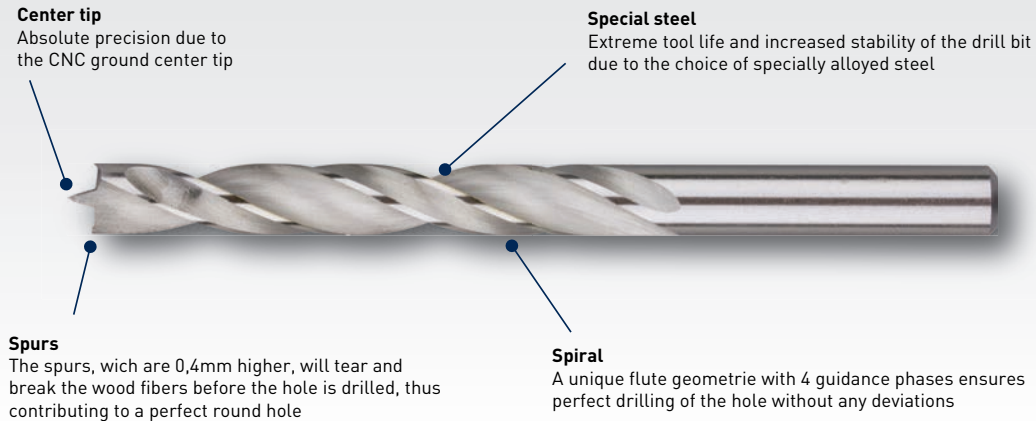


**Execution:** Lip & spur drill bit, made of chromium-vanadium steel.  
**Application:** For drilling of soft and hard wood, blockboard and particleboard

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3	65	35	1	235.4030	<b>6,25</b>
4	75	40	1	235.4040	<b>6,25</b>
5	85	50	1	235.4050	<b>6,25</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	90	55	1	235.4060	<b>6,25</b>
8	90	55	1	235.4080	<b>7,30</b>



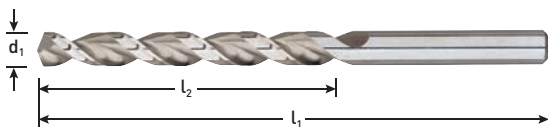


**Execution:** HSS-G lip & spur drill bit with center point and 2 spurs. Optimized spurs ensure fast and easy cutting of the woodfibres before the hole is drilled. Additionally, a bevelled edge leads to a perfect drilling of the diameter without any deviation. Improved tool life due to the use of HSS.

**Application:** Best qualified for drilling all types of wood, laminated boards, MDF and even acrylic glass.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3	70	30	1	236.0300	10,08
4	75	43	1	236.0400	11,63
5	85	52	1	236.0500	13,80
6	95	57	1	236.0600	14,96
6	200	160	1	236.0601	38,14
7	110	70	1	236.0700	18,11
7	200	160	1	236.0701	44,63
8	110	70	1	236.0800	19,75
8	117	75	1	236.0801	22,43
8	200	160	1	236.0802	51,40
9	110	70	1	236.0900	22,52
9	200	160	1	236.0901	54,52
10	110	70	1	236.1000	24,85
10	133	87	1	236.1001	26,54
10	200	160	1	236.1002	54,56
11	200	160	1	236.1101	61,18
12	110	70	1	236.1200	29,63
12	151	101	1	236.1201	36,61

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	200	160	1	236.1202	61,22
13	110	70	1	236.1300	37,11
14	110	70	1	236.1400	37,11
14	151	96	1	236.1401	51,95
14	200	160	1	236.1402	63,95
15	110	70	1	236.1500	46,77
15	200	160	1	236.1501	67,99
16	160	100	1	236.1600	57,57
16	200	160	1	236.1601	69,79
18	140	100	1	236.1800	61,05
18	180	130	1	236.1801	71,52
20	200	160	1	236.2000	84,47
22	210	140	1	236.2200	101,09
24	215	140	1	236.2400	122,07
26	215	145	1	236.2600	128,13
28	220	145	1	236.2800	136,52
30	220	145	1	236.3000	140,83
32	220	145	1	236.3200	143,12



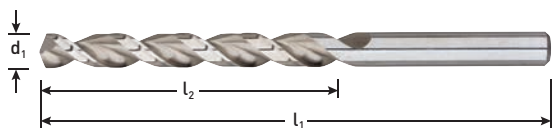
**Execution:** HSS-G drill bit for wood, DIN 338, ground, type TLS, tip angle 130°, splitpoint according to DIN 1412-C. Excellent chip evacuation, even at large drilling depths, due to the TLS-spiral.

**Application:** Excellent performance on precious and hard woods.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3,0	61	33	1	262.0300E	2,00
3,5	70	39	1	262.0350E	2,26
4,0	75	43	1	262.0400E	2,59
4,5	80	47	1	262.0450E	3,24
5,0	86	52	1	262.0500E	3,63
6,0	93	57	1	262.0600E	4,73

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
7,0	109	69	1	262.0700E	6,35
8,0	117	75	1	262.0800E	9,09
8,5	117	75	1	262.0850E	18,60
10,0	133	87	1	262.1000E	21,38
10,5	133	87	1	262.1050E	34,41
12,0	151	101	1	262.1200E	46,61

**HSS-G Twisted drill bit for wood, type TLS, in box**



**Execution:** HSS-G drill bit for wood, DIN 338, ground, type TLS, tip angle 130°, splitpoint according to DIN 1412-C. Excellent chip evacuation, even at large drilling depths, due to the TLS-spiral.

**Application:** Excellent performance on precious and hard woods.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3,0	61	33	10	262.0300	<b>14,82</b>
3,5	70	39	10	262.0350	<b>17,46</b>
4,0	75	43	10	262.0400	<b>20,71</b>
4,5	80	47	10	262.0450	<b>27,20</b>
5,0	86	52	10	262.0500	<b>31,16</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
6,0	93	57	10	262.0600	<b>42,12</b>
7,0	109	69	10	262.0700	<b>57,75</b>
8,0	117	75	10	262.0800	<b>84,96</b>
10,0	133	87	5	262.1000	<b>69,78</b>

**900**

**HSS-G Twisted drill bit set for wood, type 'TLS', in PVC cassette**



**Execution:** HSS-G drill bit for wood, DIN 338, ground, type TLS, tip angle 130°, splitpoint according to DIN 1412-C. Excellent chip evacuation, even at large drilling depths, due to the TLS-spiral.

**Application:** Excellent performance on precious and hard woods.

Description	Type	Content	Item no.	€ / PU
5 piece lip & spur drill bit set 'Azobe'	262	ø4, 5, 6, 8 and 10 / 1 piece each	900.1055	<b>31,90</b>

**264**

**HSS-G Twisted drill bit for wood, long, type TLS, in EV-pack**



**Execution:** HSS-G drill bit for wood, DIN 340 (long), ground, type TLS, tip angle 130°, splitpoint according to DIN 1412-C. Excellent chip evacuation, even at large drilling depths, due to the TLS-spiral.

**Application:** Excellent performance on precious and hard woods.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3,0	100	66	1	264.0300E	<b>5,08</b>
3,5	112	73	1	264.0350E	<b>6,05</b>
4,0	119	78	1	264.0400E	<b>6,17</b>
4,5	126	82	1	264.0450E	<b>7,28</b>
5,0	132	87	1	264.0500E	<b>8,18</b>
5,5	139	91	1	264.0550E	<b>8,58</b>
6,0	139	91	1	264.0600E	<b>9,34</b>
6,5	148	97	1	264.0650E	<b>10,23</b>
7,0	156	102	1	264.0700E	<b>11,11</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
8,0	165	109	1	264.0800E	<b>16,19</b>
8,5	165	109	1	264.0850E	<b>19,76</b>
10,0	184	121	1	264.1000E	<b>28,41</b>
10,5	184	121	1	264.1050E	<b>29,85</b>
11,0	195	128	1	264.1100E	<b>32,91</b>
12,0	205	134	1	264.1200E	<b>30,64</b>
12,5	205	134	1	264.1250E	<b>41,44</b>
13,0	205	134	1	264.1300E	<b>45,88</b>

**HSS-G Twisted drill bit for wood, long, type TLS, in box**



**Execution:** HSS-G drill bit for wood, DIN 340 (long), ground, type TLS, tip angle 130°, splitpoint according to DIN 1412-C. Excellent chip evacuation, even at large drilling depths, due to the TLS-spiral.

**Application:** Excellent performance on precious and hard woods.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3,0	100	66	5	264.0300	<b>22,58</b>
3,5	112	73	5	264.0350	<b>32,63</b>
4,0	119	78	5	264.0400	<b>27,76</b>
4,5	126	82	5	264.0450	<b>32,68</b>
5,0	132	87	5	264.0500	<b>37,15</b>
5,5	139	91	5	264.0550	<b>39,08</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
6,0	139	91	5	264.0600	<b>42,88</b>
6,5	148	97	5	264.0650	<b>47,30</b>
7,0	156	102	5	264.0700	<b>51,77</b>
8,0	165	109	5	264.0800	<b>77,19</b>
8,5	165	109	5	264.0850	<b>93,33</b>
10,0	184	121	5	264.1000	<b>136,62</b>

**266**

**HSS-G Twisted drill bit for wood, extra long, type TLS**



**Execution:** HSS-G drill bit for wood, DIN 1869, ground, type TLS, tip angle 130°, splitpoint according to DIN 1412-C. Excellent chip evacuation, even at large drilling depths, due to the TLS-spiral.

**Application:** Excellent performance on precious and hard woods.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
4,0	175	120	1	266.0401E	<b>11,69</b>
4,5	185	125	1	266.0451E	<b>12,32</b>
5,0	195	135	1	266.0501E	<b>14,56</b>
6,0	205	140	1	266.0601E	<b>20,02</b>
6,0	260	180	1	266.0602E	<b>29,24</b>
6,5	275	190	1	266.0652E	<b>34,44</b>
7,0	370	250	1	266.0703E	<b>47,72</b>
8,0	240	165	1	266.0801E	<b>26,25</b>
8,0	305	210	1	266.0802E	<b>42,00</b>
8,0	390	265	1	266.0803E	<b>63,60</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
8,5	240	165	1	266.0851E	<b>30,75</b>
10,0	265	185	1	266.1001E	<b>40,86</b>
10,0	430	295	1	266.1003E	<b>84,00</b>
10,5	265	185	1	266.1051E	<b>45,56</b>
11,0	455	310	1	266.1103E	<b>92,90</b>
12,0	295	205	1	266.1201E	<b>56,70</b>
12,5	295	205	1	266.1251E	<b>57,26</b>
13,0	295	205	1	266.1301E	<b>61,32</b>
13,0	375	260	1	266.1302E	<b>87,88</b>

**HSS-G Twisted drill bit for wood, extra long, type TLS, in box**



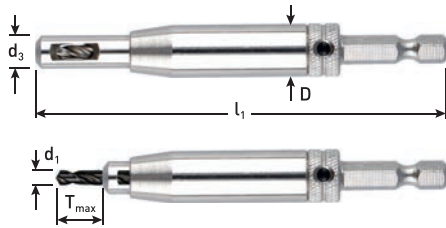
**Execution:** HSS-G drill bit for wood, DIN 1869, ground, type TLS, tip angle 130°, splitpoint according to DIN 1412-C. Excellent chip evacuation, even at large drilling depths, due to the TLS-spiral.

**Application:** Excellent performance on precious and hard woods.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
4,0	175	120	5	266.0401	<b>53,39</b>
4,5	185	125	5	266.0451	<b>56,59</b>
5,0	195	135	5	266.0501	<b>67,70</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
6,0	205	140	5	266.0601	<b>95,05</b>
6,0	260	180	5	266.0602	<b>140,43</b>

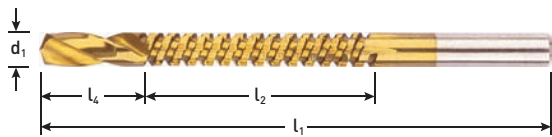
**269 HSS Hinge screw drill bit, self-centring**



**Execution:** Self-centring hinge drill bit with E6.3 bit-shank for use in (cordless) drills.  
**Application:** Suitable for accurately pre-drilling holes for hinges or drawer guides. The perfect centring and positioning of the holes significantly reduces warping or excessive wear of the hinge or drawer guide.

d <sub>1</sub>	T <sub>max</sub>	Suitable for	d <sub>3</sub>	D (mm)	pcs/PU	Item no.	€ / PU
2,0	8	Screws ø3,0 - 3,5 mm	6	10	1	268.0001	<b>14,95</b>
2,75	10	Screws ø4,0 - 4,5 mm	6	10	1	268.0003	<b>14,95</b>
3,5	13	Screws ø5,0 - 5,5 mm	8	13	1	268.0005	<b>17,50</b>

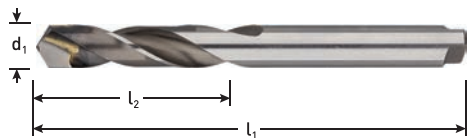
**269 HSS Milling drill bit, TiN, in EV-pack**



**Execution:** HSS Milling drill bit with TiN-coating for long tool life.  
**Application:** Suited for drilling and milling in one operation of wood, plastic and sheet metal.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>4</sub>	pcs/PU	Item no.	€ / PU
6,0	90	42	18	1	269.0600	<b>7,65</b>

**134 TCT Stub drill bit, carbide tipped**



**Execution:** Tungsten carbide tipped (TCT) stub drill bit, DIN 8037, ground cutting edges, point angle 120°.  
**Application:** Ideal for drilling in HPL-panels like Trespa®.

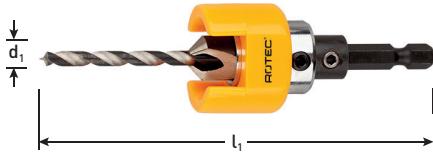
d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
3,0	50	20	1	134.0300	<b>20,89</b>
3,3	56	25	1	134.0330	<b>23,10</b>
3,5	56	25	1	134.0350	<b>21,45</b>
4,0	56	25	1	134.0400	<b>20,46</b>
4,2	63	28	1	134.0420	<b>23,10</b>
4,5	63	28	1	134.0450	<b>20,46</b>
5,0	63	28	1	134.0500	<b>24,91</b>
5,2	71	32	1	134.0520	<b>20,46</b>
5,5	71	32	1	134.0550	<b>22,23</b>
6,0	71	32	1	134.0600	<b>23,10</b>
6,5	71	32	1	134.0650	<b>23,67</b>
6,8	80	40	1	134.0680	<b>28,50</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
7,0	80	40	1	134.0700	<b>26,68</b>
7,5	80	40	1	134.0750	<b>28,12</b>
8,0	80	40	1	134.0800	<b>29,90</b>
8,5	90	50	1	134.0850	<b>31,15</b>
9,0	90	50	1	134.0900	<b>34,36</b>
9,5	90	50	1	134.0950	<b>38,81</b>
10,0	100	56	1	134.1000	<b>40,05</b>
10,2	100	56	1	134.1020	<b>48,71</b>
10,5	100	56	1	134.1050	<b>46,17</b>
12,0	112	63	1	134.1200	<b>57,59</b>
13,0	112	63	1	134.1300	<b>68,72</b>

**237**

**Patio floorboard drill with wood drill bit**

**ROTEC®**

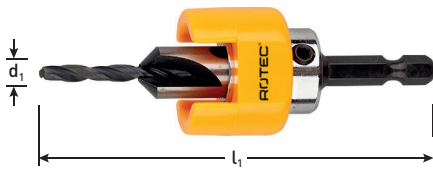


**Execution:** Both the wood spiral drill bit and countersink are made of HSS tool steel. They have a hexagonal 1/4" bit shank and are produced in one piece (neither bonded nor brazed); further they are specially hardened to withstand major loads resulting from for example the uneven rotation of cordless screwdrivers.

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
4	110	1	237.0001	<b>76,88</b>

**Patio floorboards drill with metal drill bit**

**ROTEC®**



**Execution:** Both the metal spiral drill bit and countersink are made of HSS tool steel. They have a hexagonal 1/4" bit shank and are produced in one piece (neither bonded nor brazed); further they are specially hardened to withstand major loads resulting from for example the uneven rotation of cordless screwdrivers.

d <sub>1</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
3,2	110	1	237.0010	<b>84,63</b>
4	110	1	237.0011	<b>84,63</b>

**Patio floorboards drill set with wood drill bit**

**ROTEC®**



**Execution:** Wood spiral drills and countersink are sharpened and made of HSS tool steel. They have a hexagonal BIT shank and are produced in one piece (neither bonded nor brazed); further they are specially hardened to withstand major loads resulting from e.g. the uneven rotation of cordless screwdrivers.

Description	Type	Content	pcs/PU	Item no.	€ / PU
11 piece patio floorboards drill set (wood)	237	ø4 / 4,5 / 5 / 6mm, 1 piece each Countersink ø12 mm and drill stop, 1 piece each <b>Bitholder</b> , 1 piece Torx screw driver bit, 4 pieces	1	237.9001	<b>225,14</b>
11 piece patio floorboards drill set (wood)	237	ø4 / 4,5 / 5 / 6mm, 1 piece each Countersink ø12 mm and drill stop, 1 piece each <b>Plug cutter</b> , 1 piece Torx screw driver bit, 4 pieces	1	237.9002	<b>218,59</b>

**Drill stop**

**ROTEC®**



**Execution:** External part made of resistant plastic, inner part made of steel. Tool will be fixed on the drill shank with a socket screw.

**Application:** Drilling depth exactly adjustable. To use with auger Bits, Twist Drills etc. No restriction of chip transport, no damaging of the workpiece. Stops when it comes into contact with the workpiece.

d <sub>1</sub>	pcs/PU	Item no.	€ / PU	d <sub>1</sub>	pcs/PU	Item no.	€ / PU
3	1	237.1030	<b>16,59</b>	13	1	237.1130	<b>32,90</b>
4	1	237.1040	<b>21,92</b>	15	1	237.1150	<b>27,34</b>
5	1	237.1050	<b>21,92</b>	16	1	237.1160	<b>41,62</b>
6	1	237.1060	<b>21,92</b>	18	1	237.1180	<b>35,03</b>
8	1	237.1080	<b>22,98</b>	21	1	237.1210	<b>33,72</b>
9	1	237.1090	<b>37,65</b>	24	1	237.1240	<b>52,72</b>
10	1	237.1100	<b>23,72</b>	27	1	237.1270	<b>41,62</b>
11	1	237.1110	<b>25,05</b>	30	1	237.1300	<b>52,49</b>
12	1	237.1120	<b>26,80</b>				

**238**

**HSS-G Twisted mortise bit, right-hand cutting**



d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	120	36	13	1	238.0600	<b>35,45</b>
8	130	40	13	1	238.0800	<b>35,45</b>
10	140	45	13	1	238.1000	<b>35,45</b>
12	150	50	13	1	238.1200	<b>35,45</b>
14	160	56	13	1	238.1400	<b>40,37</b>

**Execution:** HSS-G Mortise bits, right-hand cutting, with 2 twisted flutes and chip-splitters for reduced spindle loads.

**Application:** To be used in mortising machines, for drilling and slotting operations. For smooth cutting operations in both soft- and hardwood. Speed 3000-5000 rev/min.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
16	170	63	16	1	238.1601	<b>46,35</b>
18	180	67	16	1	238.1801	<b>47,19</b>
20	185	71	16	1	238.2001	<b>64,02</b>
22	190	75	16	1	238.2201	<b>84,86</b>

**HSS-G Twisted mortise bit, left-hand cutting**



d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	120	36	13	1	238.0600L	<b>35,45</b>
8	130	40	13	1	238.0800L	<b>35,45</b>
10	140	45	13	1	238.1000L	<b>35,45</b>
12	150	50	13	1	238.1200L	<b>35,45</b>
14	160	56	13	1	238.1400L	<b>40,37</b>

**Execution:** HSS-G Mortise bits, left-hand cutting, with 2 twisted flutes and chip-splitters for reduced spindle loads.

**Application:** To be used in mortising machines, for drilling and slotting operations. For smooth cutting operations in both soft- and hardwood. Speed 3000-5000 rev/min.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
16	180	63	16	1	238.1601L	<b>46,35</b>
18	180	67	16	1	238.1801L	<b>47,19</b>
20	185	71	16	1	238.2001L	<b>64,02</b>
22	190	75	16	1	238.2201L	<b>84,86</b>

**239**

**Shell countersink, tool steel**



**Execution:** Tool steel shell countersink, 90° point angle, 5 cutting edges. Including hex-key, excluding drill bits.

**Application:** Drill and countersink a hole in one operation. Mounted up-side-down the countersink can also be used as a depth stop.

d <sub>1</sub>	d <sub>2</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
3	16	25	1	239.0300	<b>14,67</b>
4	16	25	1	239.0400	<b>14,67</b>
5	16	25	1	239.0500	<b>14,67</b>
6	16	25	1	239.0600	<b>14,67</b>
8	16	25	1	239.0800	<b>14,67</b>
10	16	25	1	239.1000	<b>19,83</b>

**Shell countersink, HSS**

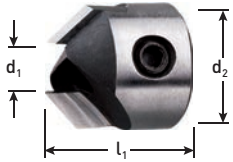


**Execution:** HSS shell countersink, 90° point angle, 5 cutting edges. Excluding hex-key, excluding drill bits.

**Application:** Drill and countersink a hole in one operation. Mounted up-side-down for use as depth stop. Speed 1500-3000 rev/min.

d <sub>1</sub>	d <sub>2</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
3	16	25	1	239.2030	<b>20,97</b>
4	16	25	1	239.2040	<b>20,97</b>
5	16	25	1	239.2050	<b>20,97</b>
6	16	25	1	239.2060	<b>20,97</b>
7	20	25	1	239.2070	<b>23,06</b>
8	20	25	1	239.2080	<b>23,06</b>
10	20	25	1	239.2100	<b>24,15</b>
12	25	25	1	239.2120	<b>24,15</b>

**Shell countersink, TCT**

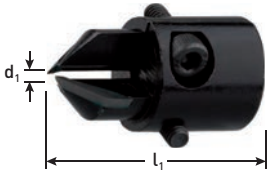


**Execution:** Carbide tipped shell countersink, 90° point angle, 2 cutting edges. Excluding hex-key, excluding drill bits.

**Application:** Drill and countersink a hole in one operation. Mounted up-side-down the countersink can also be used as a depth stop. Suitable for hardwood, MDF, plastic and wood with plastic top layer.

d <sub>1</sub>	d <sub>2</sub>	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
3	16	25	1	239.3030	<b>102,17</b>
4	16	25	1	239.3040	<b>102,17</b>
5	16	25	1	239.3050	<b>102,17</b>
6	16	25	1	239.3060	<b>102,17</b>
8	20	25	1	239.3080	<b>109,30</b>
10	25	25	1	239.3100	<b>109,30</b>

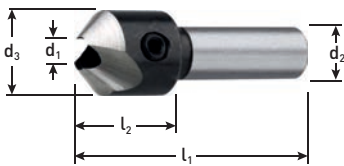
**Shell countersink, adjustable, TCT**



**Execution:** Carbide tipped shell countersink, 90° point angle, 2 cutting edges. Excluding hex-key, excluding drill bits. Suitable for drill bits from ø3 - ø8mm.

**Application:** Drilling and countersinking of holes in one operation. Recommended speed: 1.500 - 3.500 rpm.

**WS Shell countersink**



**Execution:** Tool steel 90° shell countersink with cylindrical shank for use on machines. Lip & spur drill bits not included.

**Application:** Drilling and countersinking of holes in one operation in soft and hard wood. Speed 3000-6000 rev/min.

d <sub>1</sub>	d <sub>3</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
3	16	45	10	10	1	239.6030	<b>32,30</b>
4	16	45	10	10	1	239.6040	<b>35,69</b>
5	16	46	10	10	1	239.6050	<b>32,16</b>
6	16	48	10	10	1	239.6060	<b>34,02</b>
8	20	51	13	13	1	239.6080	<b>44,03</b>
10	20	51	13	13	1	239.6100	<b>51,03</b>

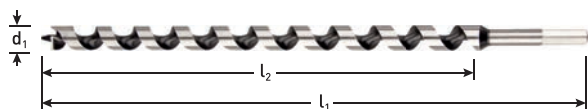
**Countersink, tool steel**



**Execution:** Countersink, made from tool steel, 90°, according to DIN 6446-B with 30mm long and reduced diameter shank.

**Application:** For countersinking and deburring of holes.

d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
10	90	6	1	239.5010	<b>19,76</b>
12	90	6	1	239.5012	<b>22,46</b>
13	90	6	1	239.5013	<b>22,46</b>
16	90	6	1	239.5016	<b>22,99</b>
18	90	6	1	239.5018	<b>26,47</b>
20	90	8	1	239.5020	<b>26,47</b>
25	90	10	1	239.5025	<b>41,67</b>
30	90	10	1	239.5030	<b>129,06</b>



**Execution:** With hexagonal shank, self-centring screw point. 1 main cutting edge and optimized flute geometry for excellent chip evacuation.

**Application:** For precisely drilled holes in soft- and hardwood.

$d_1$	$l_1$	$l_2$	pcs/PU	Item no.	€ / PU
3	230	155	1	240.0300	<b>9,94</b>
4	230	155	1	240.0400	<b>9,94</b>
5	230	155	1	240.0500	<b>9,94</b>
6	230	155	1	240.0600	<b>9,94</b>
8	230	155	1	240.0800	<b>10,47</b>
8	460	385	1	240.0801	<b>12,57</b>
8,5	230	155	1	240.0850	<b>11,06</b>
10	230	155	1	240.1000	<b>11,06</b>
10	460	385	1	240.1001	<b>13,62</b>
10	600	530	1	240.1002	<b>31,28</b>
10,5	230	155	1	240.1050	<b>11,66</b>
11	230	155	1	240.1100	<b>11,66</b>
12	230	155	1	240.1200	<b>11,66</b>
12	460	385	1	240.1201	<b>14,74</b>
12	600	530	1	240.1202	<b>34,82</b>
12,5	230	155	1	240.1250	<b>12,24</b>
13	230	155	1	240.1300	<b>12,24</b>
14	230	155	1	240.1400	<b>12,24</b>
14	460	385	1	240.1401	<b>18,03</b>
14	600	530	1	240.1402	<b>40,43</b>
16	230	155	1	240.1600	<b>13,86</b>

$d_1$	$l_1$	$l_2$	pcs/PU	Item no.	€ / PU
16	460	385	1	240.1601	<b>21,22</b>
16	600	530	1	240.1602	<b>45,83</b>
18	230	155	1	240.1800	<b>18,19</b>
18	460	385	1	240.1801	<b>28,90</b>
18	600	530	1	240.1802	<b>58,01</b>
20	230	155	1	240.2000	<b>20,16</b>
20	460	385	1	240.2001	<b>32,33</b>
20	600	530	1	240.2002	<b>65,34</b>
22	230	155	1	240.2200	<b>22,48</b>
22	460	385	1	240.2201	<b>35,43</b>
22	600	530	1	240.2202	<b>72,53</b>
24	230	155	1	240.2400	<b>24,66</b>
24	460	385	1	240.2401	<b>38,76</b>
26	230	155	1	240.2600	<b>26,78</b>
26	460	385	1	240.2601	<b>42,04</b>
28	230	155	1	240.2800	<b>31,56</b>
28	460	385	1	240.2801	<b>45,48</b>
30	230	155	1	240.3000	<b>37,10</b>
30	460	385	1	240.3001	<b>49,88</b>
32	230	155	1	240.3200	<b>42,57</b>
32	460	385	1	240.3201	<b>55,38</b>



**Execution:** With hexagonal shank, self-centring screw point. 1 main cutting edge and optimized flute geometry for excellent chip evacuation.

**Application:** For precisely drilled holes in soft- and hardwood.

Description	Type	Content	pcs/PU	Item no.	€ / PU
6 piece auger bit set, 460mm long	240	ø10, 12, 14, 16, 18 and 20mm / 1 piece each	1	900.1062	<b>134,59</b>
6 piece auger bit set, 600mm long	240	ø10, 12, 14, 16, 18 and 20mm / 1 piece each	1	900.1064	<b>228,70</b>



**900**

**Auger drill bit set, SILVER-LINE, in plastic case**



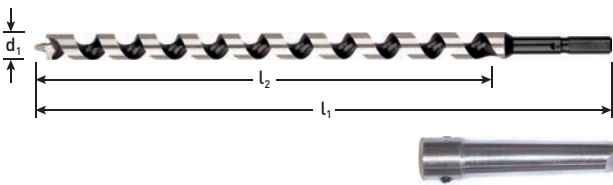
**Execution:** With hexagonal shank, self-centring screw point. 1 main cutting edge and optimized flute geometry for excellent chip evacuation.

**Application:** For precisely drilled holes in soft- and hardwood.

Description	Type	Content	pcs/PU	Item no.	€ / PU
9 piece auger bit set, 230mm long	240	ø4, 5, 6, 8, 10, 12, 14, 16 and 18mm / 1 piece each	1	900.1065	<b>93,45</b>

**241**

**Auger bit, GOLD-LINE**



*Tip: very easy to use with MT2 adapter  
Item nr. 241.9501*

**Execution:** With hexagon shank, self centering tip. Shank suited for shell countersinks. 1 main cutting edge and 1 spur. Optimized flute geometry for chip evacuation.

**Application:** For use by Carpenters to bore through rafters and uprights used in railroad, ship and fence construction.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	235	165	Cyl.	1	241.0600	<b>20,74</b>
6	320	250	Cyl.	1	241.0601	<b>27,73</b>
6	460	385	Cyl.	1	241.0603	<b>46,18</b>
7	235	165	6,35	1	241.0700	<b>21,63</b>
7	320	250	6,35	1	241.0701	<b>27,73</b>
7	460	385	6,35	1	241.0703	<b>46,18</b>
8	235	165	6,35	1	241.0800	<b>21,63</b>
8	320	250	6,35	1	241.0801	<b>27,73</b>
8	460	385	6,35	1	241.0803	<b>46,18</b>
8	650	580	6,35	1	241.0804	<b>61,93</b>
9	235	165	6,35	1	241.0900	<b>22,05</b>
9	320	250	6,35	1	241.0901	<b>31,63</b>
10	235	165	8,4	1	241.1000	<b>22,05</b>
10	320	250	8,4	1	241.1001	<b>31,63</b>
10	460	385	8,4	1	241.1003	<b>46,48</b>
10	650	580	8,4	1	241.1004	<b>63,31</b>
11	235	165	9,5	1	241.1100	<b>24,19</b>
11	320	250	9,5	1	241.1101	<b>32,59</b>
11	460	385	9,5	1	241.1103	<b>49,77</b>
12	235	165	11	1	241.1200	<b>24,19</b>
12	320	250	11	1	241.1201	<b>32,59</b>
12	460	385	11	1	241.1203	<b>47,42</b>
12	650	580	11	1	241.1204	<b>63,31</b>
12	880	810	11	1	241.1207	<b>150,98</b>
13	235	165	11	1	241.1300	<b>25,16</b>
13	320	250	11	1	241.1301	<b>33,05</b>
13	460	385	11	1	241.1303	<b>50,31</b>
14	235	165	11	1	241.1400	<b>25,16</b>
14	320	250	11	1	241.1401	<b>33,05</b>
14	460	385	11	1	241.1403	<b>50,31</b>
14	650	580	11	1	241.1404	<b>68,04</b>
14	880	810	11	1	241.1405	<b>150,98</b>
16	235	165	11	1	241.1600	<b>27,86</b>
16	320	250	11	1	241.1601	<b>34,09</b>
16	460	385	11	1	241.1603	<b>55,46</b>
16	650	580	11	1	241.1604	<b>74,50</b>
16	880	810	11	1	241.1607	<b>166,25</b>
16	1080	1010	11	1	241.1608	<b>219,96</b>
17	235	165	11	1	241.1700	<b>31,92</b>
17	320	250	11	1	241.1701	<b>37,96</b>
17	460	385	11	1	241.1703	<b>57,92</b>
17	650	580	11	1	241.1704	<b>77,50</b>
18	235	165	11	1	241.1800	<b>32,05</b>
18	320	250	11	1	241.1801	<b>37,96</b>
18	460	385	11	1	241.1803	<b>57,73</b>
18	650	580	11	1	241.1804	<b>77,74</b>
18	880	810	11	1	241.1807	<b>182,66</b>
18	1080	1010	11	1	241.1808	<b>243,50</b>
19	235	165	11	1	241.1900	<b>32,53</b>
20	235	165	11	1	241.2000	<b>32,59</b>
20	320	250	11	1	241.2001	<b>42,35</b>
20	460	385	11	1	241.2003	<b>63,78</b>
20	650	580	11	1	241.2004	<b>87,55</b>
20	880	810	11	1	241.2007	<b>196,43</b>
20	1080	1010	11	1	241.2008	<b>259,74</b>
22	235	165	11	1	241.2200	<b>37,73</b>
22	320	250	11	1	241.2201	<b>46,24</b>
22	460	385	11	1	241.2203	<b>72,23</b>
22	650	580	11	1	241.2204	<b>95,11</b>
22	880	810	11	1	241.2207	<b>227,52</b>
22	1080	1010	11	1	241.2208	<b>295,07</b>
24	235	165	11	1	241.2400	<b>42,87</b>
24	320	250	11	1	241.2401	<b>50,12</b>
24	460	385	11	1	241.2403	<b>79,12</b>
24	650	580	11	1	241.2404	<b>106,73</b>
24	880	810	11	1	241.2407	<b>243,94</b>
24	1080	1010	11	1	241.2408	<b>323,10</b>
25	320	250	11	1	241.2501	<b>58,41</b>
25	460	385	11	1	241.2503	<b>88,98</b>
25	880	810	11	1	241.2504	<b>270,06</b>
26	235	165	11	1	241.2600	<b>49,77</b>
26	320	250	11	1	241.2601	<b>58,41</b>
26	460	385	11	1	241.2603	<b>88,98</b>
26	650	580	11	1	241.2604	<b>121,57</b>
26	880	810	11	1	241.2607	<b>270,06</b>
26	1080	1010	11	1	241.2608	<b>484,22</b>
28	235	165	11	1	241.2800	<b>55,46</b>
28	320	250	11	1	241.2801	<b>61,93</b>
28	460	385	11	1	241.2803	<b>96,42</b>
28	650	580	11	1	241.2804	<b>127,15</b>
30	235	165	11	1	241.3000	<b>66,18</b>
30	320	250	11	1	241.3001	<b>73,54</b>
30	460	385	11	1	241.3003	<b>105,77</b>
30	650	580	11	1	241.3004	<b>143,49</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
32	235	165	11	1	241.3200	<b>71,70</b>
32	320	250	11	1	241.3201	<b>82,35</b>
32	460	385	11	1	241.3203	<b>114,51</b>
32	650	580	11	1	241.3204	<b>153,79</b>
32	880	810	11	1	241.3205	<b>364,90</b>
34	460	385	11	1	241.3403	<b>122,90</b>
35	235	165	11	1	241.3500	<b>92,23</b>
35	320	250	11	1	241.3501	<b>119,71</b>
35	460	385	11	1	241.3503	<b>136,49</b>
35	650	580	11	1	241.3504	<b>182,24</b>
36	235	165	11	1	241.3600	<b>109,60</b>
36	320	250	11	1	241.3601	<b>119,71</b>

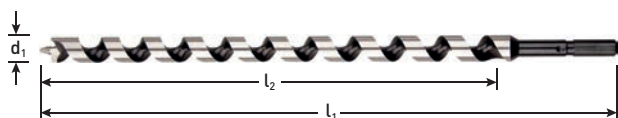
d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
36	460	385	11	1	241.3603	<b>136,49</b>
36	650	580	11	1	241.3604	<b>192,42</b>
40	235	165	11	1	241.4000	<b>139,77</b>
40	320	250	11	1	241.4001	<b>181,27</b>
40	460	385	11	1	241.4003	<b>218,11</b>
40	650	580	11	1	241.4004	<b>296,99</b>
45	235	165	15	1	241.4500	<b>220,51</b>
45	320	250	15	1	241.4501	<b>259,98</b>
45	460	385	15	1	241.4503	<b>296,99</b>
50	235	165	15	1	241.5000	<b>510,90</b>
50	320	250	15	1	241.5001	<b>527,13</b>
50	460	385	15	1	241.5003	<b>583,27</b>

**900**
**Auger drill bit set, GOLD-LINE, in wooden case**


**Execution:** With hexagon shank, self centering tip. Shank suited for shell countersinks. 1 main cutting edge and 1 spur. Optimized flute geometry for chip evacuation.

**Application:** For use by Carpenters to bore through rafters and uprights used in railroad, ship and fence construction.

Description	Type	Content	pcs/PU	Item no.	€ / PU
6 piece auger bit set, 320mm	241	1x ø6, 10, 12, 16, 20 and 24 mm	1	900.1092	<b>245,82</b>
7 piece auger bit set, 460mm	241	1x ø12, 14, 16, 18, 20, 22 and 24 mm	1	900.1096	<b>393,93</b>

**241**
**Auger bit, GOLD-LINE, Azobé**


*Tip: very easy to use with MT2 adapter  
Item nr. 241.9501*

**Execution:** With hexagon shank, self centering tip. Shank suited for shell countersinks. 1 main cutting edge and 1 spur. Optimized flute geometry for chip evacuation.

**Application:** For use by Carpenters to bore through rafters and uprights used in railroad, ship and fence construction. Equally efficient for boring through exotic woods like Bongosi/Azobe, Jarrah/ Karri etc.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	235	155	1	241.0600A	<b>42,82</b>
6	320	250	1	241.0601A	<b>48,45</b>
8	235	155	1	241.0800A	<b>43,24</b>
8	320	250	1	241.0801A	<b>48,45</b>
10	235	155	1	241.1000A	<b>44,46</b>
10	320	250	1	241.1001A	<b>52,75</b>
10	460	385	1	241.1003A	<b>65,82</b>
12	235	155	1	241.1200A	<b>46,05</b>
12	320	250	1	241.1201A	<b>53,74</b>
12	460	385	1	241.1203A	<b>70,00</b>
14	235	135	1	241.1400A	<b>45,71</b>
14	320	250	1	241.1401A	<b>50,80</b>
14	380	310	1	241.1402A	<b>59,53</b>
14	460	385	1	241.1403A	<b>69,86</b>
16	235	155	1	241.1600A	<b>49,99</b>
16	320	250	1	241.1601A	<b>55,47</b>
16	460	385	1	241.1603A	<b>75,20</b>
18	235	155	1	241.1800A	<b>53,30</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
18	320	250	1	241.1801A	<b>59,62</b>
18	460	385	1	241.1803A	<b>77,62</b>
20	235	155	1	241.2000A	<b>50,05</b>
20	320	250	1	241.2001A	<b>60,22</b>
20	460	385	1	241.2003A	<b>82,22</b>
22	235	155	1	241.2200A	<b>55,56</b>
22	320	250	1	241.2201A	<b>64,28</b>
22	460	385	1	241.2203A	<b>90,94</b>
24	320	250	1	241.2401A	<b>68,20</b>
24	460	385	1	241.2403A	<b>97,79</b>
26	320	250	1	241.2601A	<b>76,77</b>
26	460	385	1	241.2603A	<b>104,68</b>
26	650	580	1	241.2604A	<b>139,72</b>
28	320	250	1	241.2801A	<b>80,19</b>
28	460	385	1	241.2803A	<b>112,08</b>
30	320	250	1	241.3001A	<b>92,11</b>
30	460	385	1	241.3003A	<b>121,51</b>

**Auger bit, Elite ECO**



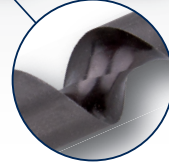
**Axial grooves**  
The innovative solution of the axial grooves on the drilling head results in technical advantages, which have an economical effect. Lower warmth development, up to 40 % less stress on the drilling machine (longer battery life time), quicker drilling and longer service life!



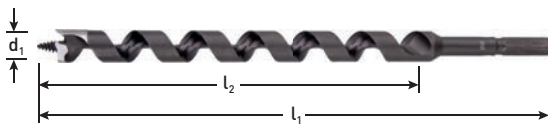
**Multi-functional interface**  
This proven connection interface is compatible with the complete range of accessories from countersinks, extensions and adapters.



**Sunken stepped drilling head**  
The sunken stepped drilling head achieves lower total friction during drilling. Very low stress behind the stepped drilling head which allows a very efficient chip flow, also in extremely deep drillings! Higher rotations than in common auger bits are possible.



**Corosion resistant surface**  
High corosion resistance and low friction due to the special surface treatment. The coating results in a longer tool life when drilling in damp wood. Particularly recommended for shipbuilding works, in humid areas and in areas where there is contact with **salt water**.



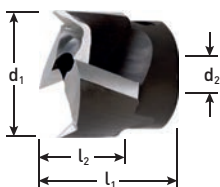
**Execution:** Coated version with a thread tip for minimum force required through autonomous forward feed. Special coating for high corrosion resistance and low friction. Besides the drill body that is cylindrically shouldered, additional relief grooves at the cutting head reduce friction. Different diameters and lengths on request.

**Application:** For deep boreholes in soft and hard wood where low energy input is required and portable machines are used. Especially suited for wet wood or in a damp surrounding. e.g. ship construction or water engineering.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	320	250	1	241.1201E	<b>36,59</b>
12	460	390	1	241.1203E	<b>56,13</b>
14	320	250	1	241.1401E	<b>38,16</b>
14	460	390	1	241.1403E	<b>60,08</b>
16	320	250	1	241.1601E	<b>40,25</b>
16	460	390	1	241.1603E	<b>66,68</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
18	320	250	1	241.1801E	<b>45,27</b>
18	460	390	1	241.1803E	<b>69,03</b>
20	320	250	1	241.2001E	<b>50,85</b>
20	460	390	1	241.2003E	<b>77,03</b>
22	320	250	1	241.2201E	<b>55,57</b>
22	460	390	1	241.2203E	<b>88,46</b>

**HSS Shell countersink, for auger bits GOLD-LINE and Elite ECO**

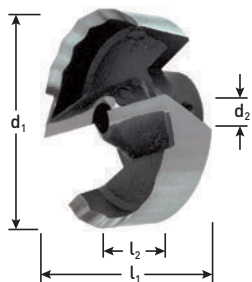


**Execution:** HSS Countersink suitable auger bits of type 'GOLD-LINE' (241) and 'Elite ECO' (241E) diameter ø12-40mm.

**Application:** For rational boring and countersinking of deepenings for plates and washers in one step. e.g. countersinking washers and screws in structural composite lumber. Speed : 500-1000 rev/min.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
25	25	16	12	1	241.9001	<b>188,02</b>
30	28	18	12	1	241.9004	<b>181,66</b>
35	32	20	12	1	241.9002	<b>302,58</b>
40	32	20	12	1	241.9005	<b>255,37</b>
45	38	25	12	1	241.9003	<b>333,99</b>

**WS Countersink, Wave-Cutter**



**Execution:** WS Countersink suitable auger bits of type 'GOLD-LINE' (241) and 'Elite ECO' (241E) diameter  $\varnothing$ 12-32mm.

**Application:** For rational boring and countersinking of deepenings for plates and washers in one step. Especially for use in woodworking areas. Speed : 500-1000 rev/min.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
40	38	15	12	1	241.9010	<b>154,03</b>
45	38	15	12	1	241.9011	<b>155,83</b>
50	38	17	12	1	241.9012	<b>157,22</b>
62	38	20	12	1	241.9013	<b>158,70</b>
65	38	21	12	1	241.9014	<b>173,50</b>
75	38	23	12	1	241.9015	<b>193,07</b>
85	40	25	12	1	241.9016	<b>206,81</b>

**Adapter, for 'GOLD-LINE' and 'Elite ECO' auger drill bits**



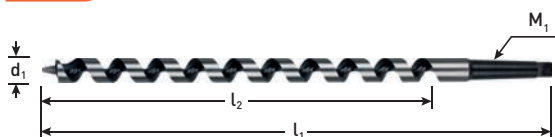
**Execution:** Adapters made from tool steel, suitable for auger bits 'GOLD-LINE' and 'Elite ECO' from  $\varnothing$ 12 mm up to  $\varnothing$ 40mm

**Application:** For machines with MT2, Mafell or SDS-plus chucks. The adapter is mounted with 2 set screws.

Shank	l <sub>1</sub>	pcs/PU	Item no.	€ / PU
Morse taper (MT 2)	90	1	241.9501	<b>75,12</b>
Mafell	90	1	241.9502	<b>75,12</b>
SDS-plus	90	1	241.9503	<b>75,12</b>

**242**

**Auger bit, GOLD-LINE, Azobé, with MT-shank**



**Execution:** With screw point, 1 cutting edge, shank MT2. Shank MT1 is available in all diameters upon request.

**Application:** For use by Carpenters to bore through rafters and uprights used in railroad, ship and fence construction. Equally efficient for boring through exotic woods like Bongosi/Azobe, Jarrah/ Karri etc.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	M <sub>1</sub>	pcs/PU	Item no.	€ / PU
12	235	155	MT 2	1	242.1200A	<b>116,06</b>
12	320	250	MT 2	1	242.1201A	<b>124,53</b>
12	480	380	MT 2	1	242.1203A	<b>129,02</b>
14	235	155	MT 2	1	242.1400A	<b>112,65</b>
14	320	250	MT 2	1	242.1401A	<b>125,00</b>
14	380	280	MT 2	1	242.1402A	<b>106,84</b>
14	480	380	MT 2	1	242.1403A	<b>138,86</b>
16	235	155	MT 2	1	242.1600A	<b>119,75</b>
16	320	250	MT 2	1	242.1601A	<b>126,03</b>
16	480	380	MT 2	1	242.1603A	<b>141,07</b>
18	235	155	MT 2	1	242.1800A	<b>118,44</b>
18	320	250	MT 2	1	242.1801A	<b>129,97</b>
18	480	380	MT 2	1	242.1803A	<b>143,24</b>
20	235	155	MT 2	1	242.2000A	<b>124,53</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	M <sub>1</sub>	pcs/PU	Item no.	€ / PU
20	320	250	MT 2	1	242.2001A	<b>134,38</b>
20	480	380	MT 2	1	242.2003A	<b>150,43</b>
22	235	155	MT 2	1	242.2200A	<b>124,53</b>
22	320	250	MT 2	1	242.2201A	<b>138,29</b>
22	480	380	MT 2	1	242.2203A	<b>138,81</b>
24	320	250	MT 2	1	242.2401A	<b>142,22</b>
24	480	380	MT 2	1	242.2403A	<b>151,66</b>
26	320	250	MT 2	1	242.2601A	<b>150,58</b>
26	460	385	MT 2	1	242.2603A	<b>164,38</b>
26	650	580	MT 2	1	242.2605A	<b>218,71</b>
28	320	250	MT 2	1	242.2801A	<b>154,13</b>
28	480	380	MT 2	1	242.2803A	<b>182,08</b>
30	320	250	MT 2	1	242.3001A	<b>165,85</b>
30	480	380	MT 2	1	242.3003A	<b>193,11</b>

**243 Auger bit, GOLD-LINE, with SDS-plus-shank**



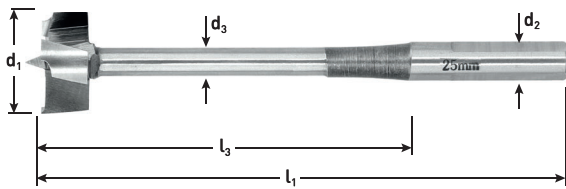
**Execution:** With screw point, 1 cutting edge, shank SDS-plus.  
**Application:** Suitable for soft and hard wood. This bit can be modified (at extra charges) for continuous use in exotic wood types like Azobé, Bankirai etc. Please add the letter 'A' to the existing item number i.e. '243.1802A'.



d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	200	130	1	243.0601	<b>30,43</b>
6	250	180	1	243.0602	<b>33,68</b>
8	250	180	1	243.0802	<b>33,68</b>
8	400	330	1	243.0805	<b>54,25</b>
10	250	180	1	243.1002	<b>33,68</b>
10	400	330	1	243.1005	<b>54,05</b>
12	250	180	1	243.1202	<b>37,78</b>
12	400	330	1	243.1205	<b>54,05</b>
14	250	180	1	243.1402	<b>42,01</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	pcs/PU	Item no.	€ / PU
14	400	330	1	243.1405	<b>64,20</b>
16	250	180	1	243.1602	<b>45,26</b>
18	250	180	1	243.1802	<b>56,45</b>
18	400	330	1	243.1805	<b>84,33</b>
20	350	280	1	243.2004	<b>68,54</b>
22	250	130	1	243.2202	<b>71,26</b>
22	400	330	1	243.2205	<b>106,06</b>
26	350	280	1	243.2604	<b>109,84</b>

**244 Multi-angle wood drill bit**



**Execution:** Multi-angle wood drill bit made of high-quality SP steel (special steel). The ground shank with 3 flats prevents slipping in the drill chuck. The highly sharpened cutting edges and the in diameter reduced neck allows the drill to be used in any direction.  
**Application:** Drilling at lightning speed: 2x faster than with a standard drill bit! Countersinking, milling, cutting and even drilling curved holes in hard and soft wood.



d <sub>1</sub>	l <sub>3</sub>	l <sub>1</sub>	d <sub>3</sub>	d <sub>2</sub>	Z	pcs/PU	Item no.	€ / PU
7	74	115	4,0	6,5	3	1	244.0070	<b>18,50</b>
10	86	130	4,8	6,8	3	1	244.0100	<b>18,50</b>
12	86	130	4,8	6,8	3	1	244.0120	<b>19,00</b>
15	86	130	5,8	7,8	3	1	244.0150	<b>19,50</b>
18	86	130	5,8	7,8	3	1	244.0180	<b>19,50</b>
20	86	130	5,8	7,8	3	1	244.0200	<b>19,95</b>
25	86	130	6,8	9,2	3	1	244.0250	<b>21,50</b>

**Multiangle wood drill bit set, in plastic case**

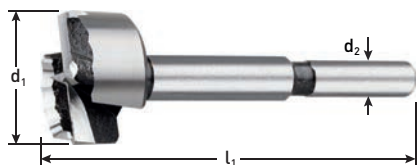


**Execution:** Multi-angle wood drill bit made of high-quality SP steel (special steel). The ground shank with 3 flats prevents slipping in the drill chuck. The highly sharpened cutting edges and the in diameter reduced neck allows the drill to be used in any direction.  
**Application:** Drilling at lightning speed: 2x faster than with a standard drill bit! Countersinking, milling, cutting and even drilling curved holes in hard and soft wood.

Description	Type	Content	pcs/PU	Item no.	€ / PU
6 pc multi-angle drill bit set	244	1x ø10, 12, 15, 18, 20 and 25	1	244.9000	<b>129,50</b>

246

**Forstner bit 'Wave-Cutter'**



**Execution:** DIN 7483G, with center point, with patented wavy periphery cutting edge, 2 lifters and shank with 3 flats, in premium quality. Other dimensions and specifications on request.

**Application:** For drilling splinter-free, true to size blind holes, for edge drillings and slant drillings in softwood and hardwood. The wavy peripheral cutting edge prevents the edges from wearing out. Easy and effortless cutting due to ideal cutting geometries.

d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
10	90	8	1	246.0100	<b>24,33</b>
12	90	8	1	246.0120	<b>23,89</b>
15	90	8	1	246.0150	<b>30,74</b>
16	90	8	1	246.0160	<b>30,94</b>
18	90	8	1	246.0180	<b>31,21</b>
19	90	10	1	246.0190	<b>31,47</b>
20	90	8	1	246.0200	<b>31,47</b>
22	90	8	1	246.0220	<b>32,61</b>
23	90	10	1	246.0230	<b>35,75</b>
24	90	8	1	246.0240	<b>35,75</b>
25	90	8	1	246.0250	<b>36,13</b>
26	90	8	1	246.0260	<b>36,47</b>
28	90	8	1	246.0280	<b>36,87</b>
30	90	8	1	246.0300	<b>37,01</b>
32	90	10	1	246.0320	<b>37,27</b>
33	90	10	1	246.0330	<b>38,93</b>

d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
34	90	10	1	246.0340	<b>38,93</b>
35	90	10	1	246.0350	<b>39,18</b>
36	90	10	1	246.0360	<b>44,45</b>
38	90	10	1	246.0380	<b>44,45</b>
40	90	10	1	246.0400	<b>44,72</b>
42	90	10	1	246.0420	<b>47,71</b>
44	90	10	1	246.0440	<b>49,97</b>
45	90	10	1	246.0450	<b>49,97</b>
46	90	10	1	246.0460	<b>54,18</b>
48	90	10	1	246.0480	<b>56,29</b>
50	90	10	1	246.0500	<b>56,29</b>
51	90	10	1	246.0510	<b>102,20</b>
60	90	10	1	246.0600	<b>102,20</b>
68	90	10	1	246.0680	<b>119,85</b>
70	90	12	1	246.0700	<b>130,49</b>

900

**Forstner drill bit set 'Wave-Cutter', in wooden case**



**Execution:** DIN 7483G, with center point, with patented wavy periphery cutting edge, 2 lifters and shank with 3 flats, in premium quality. Other dimensions and specifications on request.

**Application:** For drilling splinter-free, true to size blind holes, for edge drillings and slant drillings in softwood and hardwood. The wavy peripheral cutting edge prevents the edges from wearing out. Easy and effortless cutting due to ideal cutting geometries.

Description	Type	Content	pcs/PU	Item no.	€ / PU
5 piece Forstner drill bit set	246	1x ø15, 20, 25, 30 and 35 / 1 piece each	1	900.1070	<b>203,28</b>

246

**Extension for Forstner drill bits**



d <sub>1</sub>	d <sub>2</sub>	l <sub>1</sub>	D <sub>3</sub>	pcs/PU	Item no.	€ / PU
8	8	330	16	1	246.9000	<b>60,56</b>
10	10	330	18	1	246.9001	<b>60,56</b>
10	10	230	18	1	246.9002	<b>46,89</b>

**246 Multi-Function 'Wave-Cutter'**



**Execution:** Similar to DIN 7483G, exchangeable center point and center drill bit, with patented wavy periphery cutting edge, 2 lifters and taper shank with 3 flats.

**Application:** The new WAVE CUTTER Forstner Bit is MULTI-FUNCTIONAL and can be used for many different applications.

- Precise drilling at an extreme angle
- Exchangeable center point and center drill bit
- Using a new connection technology without screwing
- Quick connection of extensions with the new connection technology
- Extension with Morse taper adapter for wood turners available
- 100% true running accuracy

d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
15	90	10	1	246.1150	<b>65,62</b>
16	90	10	1	246.1160	<b>65,62</b>
18	90	10	1	246.1180	<b>69,21</b>
20	90	10	1	246.1200	<b>72,87</b>
22	90	10	1	246.1220	<b>74,99</b>
25	90	10	1	246.1250	<b>81,44</b>

d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
30	90	10	1	246.1300	<b>91,49</b>
35	90	10	1	246.1350	<b>107,59</b>
40	90	10	1	246.1400	<b>124,30</b>
45	90	10	1	246.1450	<b>149,86</b>
50	90	10	1	246.1500	<b>169,49</b>

**900 Multi-Function 'Wave-Cutter' set, in wooden case**



**Execution:** Similar to DIN 7483G, exchangeable center point and center drill bit, with patented wavy periphery cutting edge, 2 lifters and taper shank with 3 flats.

**Application:** The new WAVE CUTTER Forstner Bit is MULTI-FUNCTIONAL and can be used for many different applications.

- Precise drilling at an extreme angle
- Exchangeable center point and center drill bit
- Using a new connection technology without screwing
- Quick connection of extensions with the new connection technology
- Extension with Morse taper adapter for wood turners available
- 100% true running accuracy

Description	Type	Content	pcs/PU	Item no.	€ / PU
11 piece MF Wave-Cutter set	246	1x ø15, 20, 25, 30 and 35mm 1x extension 93mm 1x dismantling tool 2x centering drill bit 2x centering tip	1	900.1076	<b>510,36</b>
11 piece MF Wave-Cutter set	246	1x ø20, 22, 25, 30 and 35mm 1x extension 93mm 1x dismantling tool 2x centering drill bit 2x centering tip	1	900.1077	<b>519,72</b>
11 piece MF Wave-Cutter set	246	1x ø25, 30, 35, 40 and 50mm 1x extension 150mm 1x dismantling tool 2x centering drill bit 2x centering tip	1	900.1078	<b>669,39</b>
17 piece MF Wave-Cutter set	246	1x ø15, 20, 22, 25, 30, 35, 40, 45 and 50mm 1x extension 150 and 250mm 1x adapter MT2 1x dismantling tool 2x centering drill bit 2x centering tip	1	900.1079	<b>1156,52</b>

**246 Multi-Function 'Wave-Cutter', accessories**



Nr.	Description	pcs/PU	Item no.	€ / PU
1	Extension 93mm	1	246.1900	<b>52,37</b>
1	Extension 150mm	1	246.1901	<b>56,88</b>
1	Extension 250mm	1	246.1902	<b>62,34</b>
2	Adapter MT2	1	246.1903	<b>101,41</b>
3	Dismantling tool	1	246.1904	<b>41,26</b>
4	Centering tip ø4 x 24mm	1	246.1905	<b>58,76</b>
5	Centering drill bit ø4 x 40mm	1	246.1906	<b>41,73</b>

\* Phase-out item, available until stock has depleted

**247 Forstner drill bit, TCT**



**Execution:** TCT, with small center point, 2 spurs, 2 cutters, with reduced, cylindrical shank. Other diameters and specifications on request. Tightest tolerance. Shank 10 x 30 mm.

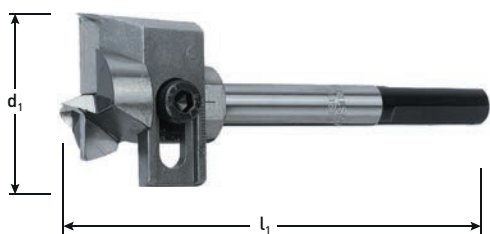
**Application:** For drilling smooth and precise holes in hard wood, laminated wood, chipboards and plastic coated material. Speed: 1.200-6.000 rev/min



d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
10	90	10	1	247.0100	<b>64,62</b>
11	90	10	1	247.0110	<b>67,56</b>
12	90	10	1	247.0120	<b>67,62</b>
13	90	10	1	247.0130	<b>69,48</b>
14	90	10	1	247.0140	<b>69,48</b>
15	90	10	1	247.0150	<b>69,54</b>
16	90	10	1	247.0160	<b>71,11</b>
17	90	10	1	247.0170	<b>73,01</b>
18	90	10	1	247.0180	<b>73,06</b>
19	90	10	1	247.0190	<b>74,45</b>
20	90	10	1	247.0200	<b>74,45</b>
21	90	10	1	247.0210	<b>80,43</b>
22	90	10	1	247.0220	<b>80,43</b>
23	90	10	1	247.0230	<b>82,64</b>
24	90	10	1	247.0240	<b>82,64</b>
25	90	10	1	247.0250	<b>82,84</b>
26	90	10	1	247.0260	<b>84,32</b>
27	90	10	1	247.0270	<b>86,43</b>
28	90	10	1	247.0280	<b>86,54</b>

d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
29	90	10	1	247.0290	<b>88,40</b>
30	90	10	1	247.0300	<b>88,52</b>
31	90	10	1	247.0310	<b>94,98</b>
32	90	10	1	247.0320	<b>95,04</b>
33	90	10	1	247.0330	<b>95,22</b>
34	90	10	1	247.0340	<b>95,28</b>
35	90	10	1	247.0350	<b>95,40</b>
36	90	10	1	247.0360	<b>104,09</b>
38	90	10	1	247.0380	<b>109,72</b>
40	90	10	1	247.0400	<b>112,11</b>
42	90	10	1	247.0420	<b>128,63</b>
44	90	10	1	247.0440	<b>134,69</b>
45	90	10	1	247.0450	<b>136,01</b>
48	90	10	1	247.0480	<b>139,07</b>
50	90	10	1	247.0500	<b>139,96</b>
52	90	10	1	247.0520	<b>163,08</b>
54	90	10	1	247.0540	<b>181,22</b>
55	90	10	1	247.0550	<b>188,76</b>
60	90	10	1	247.0600	<b>190,99</b>

**248 Universal bit, adjustable**



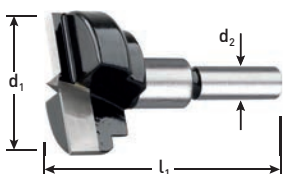
**Execution:** Special steel, adjustable, with 2 exchangeable cutters and a suitable Allen key.

**Application:** For fast drilling in pine wood, beech wood and oak wood as well as in hardboard, sturdy quality.

d (min-max)	l <sub>1</sub>	Shank	pcs/PU	Item no.	€ / PU
22 - 52	140	3-flat	1	248.0005	<b>259,54</b>



**249 Hinge drill bit**



**Execution:** Tungsten carbide tipped hinge drill bits with centring point and two carbide cutters.

**Application:** Precise and accurate hole for the mounting of hinges in all kinds of wood, particle board and hard plastic laminated boards. **Only for stationary use!**

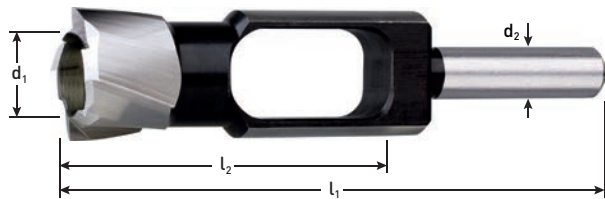
d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
26	58	8	1	249.0260	<b>24,45</b>
30	58	8	1	249.0300	<b>24,61</b>
35	58	8	1	249.0350	<b>24,71</b>





**251**

**Tenon plug cutter, Premium**



**Execution:** DIN 7489, peripheral cutter, multi-cutting, cylindrical shank. Available in special steel. On request in HS and TCT, with special lengths for specimen and shanks like morse cone and inner thread.

**Application:** For improving knot-holes, making tenons, or special length plugs. The tenon cutters have an excess of 0,1 mm to permit the exact seating of the knot-hole dowels.

**SP**

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Z	pcs/PU	Item no.	€ / PU
6	140	80	13	4	1	251.0600	<b>97,12</b>
8	140	80	13	4	1	251.0800	<b>97,35</b>
10	140	80	13	4	1	251.1000	<b>98,35</b>
12	140	80	13	4	1	251.1200	<b>103,92</b>
13	140	80	13	4	1	251.1300	<b>106,29</b>
14	140	80	13	4	1	251.1400	<b>106,37</b>
15	140	80	13	4	1	251.1500	<b>106,64</b>
16	140	80	13	4	1	251.1600	<b>128,13</b>
18	140	80	13	4	1	251.1800	<b>128,18</b>
20	140	80	13	5	1	251.2000	<b>128,24</b>
22	140	80	13	5	1	251.2200	<b>134,17</b>
25	140	80	13	5	1	251.2500	<b>134,24</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	Z	pcs/PU	Item no.	€ / PU
30	140	80	13	5	1	251.3000	<b>139,39</b>
32	140	80	13	5	1	251.3200	<b>159,86</b>
35	160	100	16	5	1	251.3500	<b>162,12</b>
40	160	100	16	6	1	251.4000	<b>187,03</b>
45	160	100	16	6	1	251.4500	<b>209,76</b>
50	160	100	16	6	1	251.5000	<b>241,01</b>
55	160	100	16	6	1	251.5500	<b>332,25</b>
60	160	100	16	6	1	251.6000	<b>316,93</b>
65	160	100	16	8	1	251.6500	<b>417,72</b>
70	160	100	16	8	1	251.7000	<b>494,36</b>
80	160	100	16	8	1	251.8000	<b>661,40</b>

**900**

**Tenon plug cutter set, Premium, in wooden case**



**Execution:** DIN 7489, peripheral cutter, multi-cutting, cylindrical shank. Available in special steel. On request in HS and TCT, with special lengths for specimen and shanks like morse cone and inner thread.

**Application:** For improving knot-holes, making tenons, or special length plugs. The tenon cutters have an excess of 0,1 mm to permit the exact seating of the knot-hole dowels.

Description	Type	Content	pcs/PU	Item no.	€ / PU
5 pc set tenon plug cutters	251	ø15, 20, 25, 30 and 35mm / 1 piece each	1	900.1080	<b>771,13</b>

**900**

**Tenon plug cutter and Forstner drill bit set, Premium, in wooden case**



**Execution:** Tenon plug cutters [251]:  
DIN 7489, peripheral cutter, multi-cutting, cylindrical shank. Available in special steel. On request in HS and TCT, with special lengths for specimen and shanks like morse cone and inner thread.

Forstner drill bits [245]:  
DIN 7483 G, with center point, 2 cutters, 2 spurs, and reduced cylindrical shank. Other diameters and specifications on request.

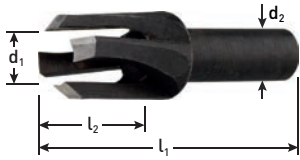
**Application:** Tenon plug cutters [251]:  
For improving knot-holes, making tenons, or special length plugs. The tenon cutters have an excess of 0,1 mm to permit the exact seating of the knot-hole dowels.

Forstner drill bits [245]:  
For drilling smooth and precise holes in soft and hard woods and laminates. For use in portable power drills and stationary boring machines.

Description	Type	Content	pcs/PU	Item no.	€ / PU
6 pc tenon plug cutters and forstner drill bit set	251 & 245	ø15, 20 en 25mm / 1 piece of each model	1	900.1085	<b>554,01</b>
6 pc tenon plug cutters and forstner drill bit set	251 & 245	ø25, 30 en 50mm / 1 piece of each model	1	900.1086	<b>955,18</b>
10 pc tenon plug cutters and forstner drill bit set	251 & 245	ø8, 10, 12, 15 and 20mm / 1 piece of each model	1	900.1087	<b>779,10</b>
10 pc tenon plug cutters and forstner drill bit set	251 & 245	ø15, 20, 25, 30 and 35mm / 1 piece of each model	1	900.1088	<b>990,52</b>

**251**

**Tenon plug cutter, Standard**



**Execution:** Tapered tenon plug cutter, 1,5 degree. CV-steel.

**Application:** To produce perfectly cylindrical plugs.

$d_1$	$l_1$	$l_2$	$d_2$	Z	pcs/PU	Item no.	€ / PU
8	53	18	10	4	1	251.9080	<b>33,87</b>
10	53	18	10	4	1	251.9100	<b>33,64</b>
12	53	18	10	4	1	251.9120	<b>39,99</b>
15	53	18	10	4	1	251.9150	<b>42,71</b>

**Router bits, GOLD-LINE**



All GOLD-LINE router bits are supplied in a 'Twist-Pack' that securely clamps the bit when locked. To open the pack and release the bit, or to secure the bit and close the pack, just rotate the top lid by 45 degrees.

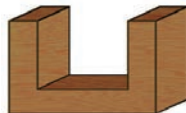
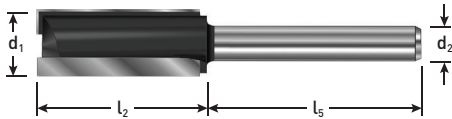


**271**

**TCT Straight cutter, GOLD-LINE**

**Execution:**

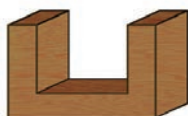
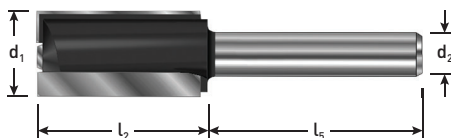
Two flutes for clean finish. For work in abrasive materials such as chipboard, MDF, plywood and hardwood. For grooving, rebating and mortising. {ø2 = Z1}



d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
2	6	32	8	1	271.01.0200	<b>38,04</b>
3	8	32	8	1	271.01.0300	<b>40,46</b>
5	12	32	8	1	271.01.0500	<b>29,19</b>
5	16	32	8	1	271.01.0501	<b>29,11</b>
5	20	32	8	1	271.01.0502	<b>64,69</b>
6	19	32	8	1	271.01.0600	<b>29,26</b>
6	25	32	8	1	271.01.0601	<b>29,08</b>
8	20	32	8	1	271.01.0800	<b>30,70</b>
8	30	32	8	1	271.01.0801	<b>32,88</b>
10	20	32	8	1	271.01.1000	<b>32,23</b>
10	30	32	8	1	271.01.1001	<b>35,14</b>
12	20	32	8	1	271.01.1200	<b>32,10</b>
12	32	32	8	1	271.01.1201	<b>35,23</b>
12	38	32	8	1	271.01.1202	<b>39,92</b>
12	50	32	8	1	271.01.1203	<b>46,74</b>
14	20	32	8	1	271.01.1400	<b>32,48</b>
14	30	32	8	1	271.01.1401	<b>38,30</b>
15	20	32	8	1	271.01.1500	<b>36,65</b>
15	30	32	8	1	271.01.1501	<b>42,06</b>
16	20	32	8	1	271.01.1600	<b>38,34</b>
16	32	32	8	1	271.01.1601	<b>29,04</b>
16	38	32	8	1	271.01.1602	<b>45,88</b>
16	50	32	8	1	271.01.1603	<b>56,35</b>
18	20	32	8	1	271.01.1800	<b>40,28</b>
18	30	32	8	1	271.01.1801	<b>42,06</b>
20	20	32	8	1	271.01.2000	<b>40,50</b>
20	30	32	8	1	271.01.2001	<b>44,13</b>
22	20	32	8	1	271.01.2200	<b>44,06</b>
22	30	32	8	1	271.01.2201	<b>49,72</b>
24	20	32	8	1	271.01.2400	<b>45,85</b>
25	20	32	8	1	271.01.2500	<b>45,88</b>

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
25	30	32	8	1	271.01.2501	<b>55,94</b>
5	12	40	12	1	272.01.0500	<b>28,90</b>
5	16	40	12	1	272.01.0501	<b>28,90</b>
5	20	40	12	1	272.01.0502	<b>64,46</b>
6	19	40	12	1	272.01.0600	<b>29,11</b>
6	25	40	12	1	272.01.0601	<b>30,31</b>
8	20	40	12	1	272.01.0800	<b>30,44</b>
8	30	40	12	1	272.01.0801	<b>33,02</b>
10	20	40	12	1	272.01.1000	<b>31,96</b>
10	30	40	12	1	272.01.1001	<b>35,11</b>
12	20	40	12	1	272.01.1200	<b>32,14</b>
12	32	40	12	1	272.01.1201	<b>35,11</b>
12	38	40	12	1	272.01.1202	<b>39,63</b>
12	50	40	12	1	272.01.1203	<b>46,74</b>
14	20	40	12	1	272.01.1400	<b>31,96</b>
14	30	40	12	1	272.01.1401	<b>38,37</b>
15	20	40	12	1	272.01.1500	<b>36,65</b>
16	20	40	12	1	272.01.1600	<b>38,17</b>
16	32	40	12	1	272.01.1601	<b>41,94</b>
16	50	40	12	1	272.01.1603	<b>56,18</b>
18	20	40	12	1	272.01.1800	<b>40,28</b>
18	30	40	12	1	272.01.1801	<b>41,94</b>
20	20	40	12	1	272.01.2000	<b>40,14</b>
20	30	40	12	1	272.01.2001	<b>43,97</b>
22	20	40	12	1	272.01.2200	<b>44,06</b>
22	30	40	12	1	272.01.2201	<b>49,72</b>
24	20	40	12	1	272.01.2400	<b>46,05</b>
25	20	40	12	1	272.01.2500	<b>45,82</b>
25	30	40	12	1	272.01.2501	<b>55,62</b>

**TCT Straight cutter, center tip, GOLD-LNE**

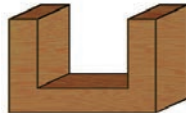
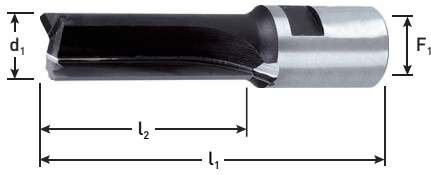


**Execution:** Two flutes for clean finish. Suitable for plunge. For work in abrasive materials such as chipboard, MDF, plywood and hardwood. For grooving, rebating and mortising.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
3	8	32	8	1	271.02.0300	<b>39,63</b>
5	20	32	8	1	271.02.0500	<b>64,67</b>
6	20	32	8	1	271.02.0600	<b>64,69</b>
7	20	32	8	1	271.02.0700	<b>60,30</b>
8	20	32	8	1	271.02.0800	<b>43,97</b>
8	30	32	8	1	271.02.0801	<b>43,96</b>
8	30	58	8	1	271.02.0802	<b>44,06</b>
9	20	32	8	1	271.02.0900	<b>42,06</b>
10	20	32	8	1	271.02.1000	<b>42,06</b>
10	30	58	8	1	271.02.1001	<b>48,29</b>
11	20	32	8	1	271.02.1100	<b>42,22</b>
12	20	32	8	1	271.02.1200	<b>48,84</b>
12	30	32	8	1	271.02.1201	<b>55,58</b>
12	30	58	8	1	271.02.1202	<b>55,69</b>
12	38	32	8	1	271.02.1203	<b>61,40</b>
12	50	32	8	1	271.02.1204	<b>72,03</b>
12	63	32	8	1	271.02.1205	<b>89,02</b>
13	20	32	8	1	271.02.1300	<b>47,62</b>
14	20	32	8	1	271.02.1400	<b>51,86</b>
14	30	32	8	1	271.02.1401	<b>63,93</b>
14	30	58	8	1	271.02.1402	<b>63,27</b>
15	20	32	8	1	271.02.1500	<b>51,76</b>
16	20	32	8	1	271.02.1600	<b>55,62</b>
16	20	50	8	1	271.02.1601	<b>57,54</b>
16	30	32	8	1	271.02.1602	<b>66,87</b>
16	30	58	8	1	271.02.1603	<b>67,13</b>
16	38	32	8	1	271.02.1604	<b>75,70</b>
16	50	32	8	1	271.02.1605	<b>93,11</b>
18	20	32	8	1	271.02.1800	<b>59,08</b>
18	20	50	8	1	271.02.1801	<b>61,04</b>
18	30	32	8	1	271.02.1802	<b>72,80</b>
20	20	32	8	1	271.02.2000	<b>61,92</b>
20	20	50	8	1	271.02.2001	<b>63,24</b>
20	32	32	8	1	271.02.2002	<b>74,91</b>
22	20	32	8	1	271.02.2200	<b>64,87</b>
22	20	50	8	1	271.02.2201	<b>59,97</b>
22	30	32	8	1	271.02.2202	<b>81,09</b>
24	20	32	8	1	271.02.2400	<b>69,49</b>
25	20	32	8	1	271.02.2500	<b>68,89</b>
28	20	32	8	1	271.02.2800	<b>76,54</b>
30	20	32	8	1	271.02.3000	<b>82,52</b>
3	8	40	12	1	272.02.0300	<b>33,25</b>

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
4	12	40	12	1	272.02.0400	<b>45,23</b>
5	20	40	12	1	272.02.0500	<b>64,61</b>
8	20	40	12	1	272.02.0800	<b>41,86</b>
8	30	40	12	1	272.02.0801	<b>43,91</b>
10	20	40	12	1	272.02.1000	<b>41,86</b>
10	30	40	12	1	272.02.1001	<b>47,70</b>
10	35	55	12	1	272.02.1002	<b>57,95</b>
12	20	40	12	1	272.02.1200	<b>47,65</b>
12	30	40	12	1	272.02.1201	<b>56,03</b>
12	38	40	12	1	272.02.1202	<b>61,14</b>
12	50	40	12	1	272.02.1203	<b>71,77</b>
12	63	40	12	1	272.02.1204	<b>88,87</b>
14	20	40	12	1	272.02.1400	<b>51,53</b>
14	30	40	12	1	272.02.1401	<b>63,15</b>
14	35	55	12	1	272.02.1402	<b>67,81</b>
15	20	40	12	1	272.02.1500	<b>51,53</b>
15	35	55	12	1	272.02.1501	<b>65,02</b>
16	20	40	12	1	272.02.1600	<b>55,36</b>
16	30	40	12	1	272.02.1601	<b>66,71</b>
16	38	40	12	1	272.02.1602	<b>75,38</b>
16	50	40	12	1	272.02.1603	<b>92,96</b>
16	60	50	12	1	272.02.1604	<b>100,01</b>
18	20	40	12	1	272.02.1800	<b>57,21</b>
18	35	55	12	1	272.02.1801	<b>76,77</b>
18	60	50	12	1	272.02.1802	<b>108,76</b>
20	20	40	12	1	272.02.2000	<b>61,14</b>
20	32	40	12	1	272.02.2001	<b>74,79</b>
20	35	55	12	1	272.02.2002	<b>76,92</b>
20	60	50	12	1	272.02.2003	<b>117,66</b>
22	20	40	12	1	272.02.2200	<b>64,87</b>
22	30	40	12	1	272.02.2201	<b>72,95</b>
22	35	55	12	1	272.02.2202	<b>84,12</b>
22	60	50	12	1	272.02.2204	<b>125,32</b>
24	20	40	12	1	272.02.2400	<b>70,95</b>
24	35	55	12	1	272.02.2401	<b>83,33</b>
24	40	50	12	1	272.02.2402	<b>87,54</b>
25	20	40	12	1	272.02.2500	<b>62,88</b>
25	35	55	12	1	272.02.2501	<b>83,63</b>
26	42	50	12	1	272.02.2600	<b>91,56</b>
28	42	50	12	1	272.02.2801	<b>94,65</b>
30	35	55	12	1	272.02.3000	<b>98,38</b>
35	35	55	12	1	272.02.3500	<b>131,58</b>

**TCT Straight cutter, M12x1, GOLD-LINE**



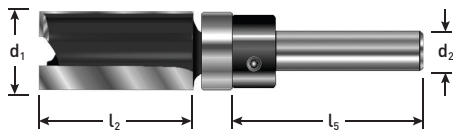
**Execution:** With two straightcutting edges, for ground cutting. Inside thread M12x1, for centric chucks. Right-hand cutting. Other diameters and specifications on request.

**Application:** For cutting, grooving and mortising in soft and hard woods as well as in laminated material. Suitable for automatic feed and hand driven advance.  
Speed: 15000-24000 RPM.  
Feed rate: up to 8 m/min.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	F <sub>1</sub>	pcs/PU	Item no.	€ / PU
8	67	35	MF12x1	1	271.03.0800	<b>58,93</b>
10	67	35	MF12x1	1	271.03.1000	<b>99,07</b>
12	67	35	MF12x1	1	271.03.1200	<b>69,74</b>
12	72	40	MF12x1	1	271.03.1201	<b>63,93</b>
12	77	45	MF12x1	1	271.03.1202	<b>69,06</b>
14	67	35	MF12x1	1	271.03.1400	<b>101,17</b>
14	72	40	MF12x1	1	271.03.1401	<b>63,80</b>
14	77	45	MF12x1	1	271.03.1402	<b>84,69</b>
14	92	60	MF12x1	1	271.03.1403	<b>103,05</b>
16	72	40	MF12x1	1	271.03.1600	<b>123,11</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	F <sub>1</sub>	pcs/PU	Item no.	€ / PU
16	77	45	MF12x1	1	271.03.1601	<b>76,46</b>
18	77	45	MF12x1	1	271.03.1800	<b>72,53</b>
18	92	60	MF12x1	1	271.03.1801	<b>81,16</b>
20	67	35	MF12x1	1	271.03.2000	<b>104,79</b>
20	77	45	MF12x1	1	271.03.2001	<b>73,08</b>
20	92	60	MF12x1	1	271.03.2002	<b>116,95</b>
22	72	40	MF12x1	1	271.03.2200	<b>77,03</b>
25	67	35	MF12x1	1	271.03.2500	<b>121,47</b>
25	77	45	MF12x1	1	271.03.2501	<b>122,70</b>

**TCT Straight cutter, guide bearing, GOLD-LINE**

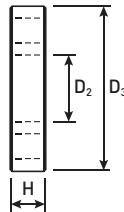
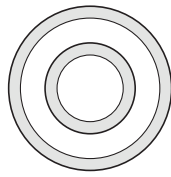


**Execution:** Two flutes for clean finish. Suitable for plunge. Can be used as straight bit and as trimmer. Used for template work when the template is above the worked material. Exchangeable ball bearing. And also suitable for use with curve-shaping tools.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	25	32	8	1	271.04.1271	<b>45,98</b>
16	19	32	8	1	271.04.1600	<b>52,38</b>
16	25	32	8	1	271.04.1601	<b>55,62</b>

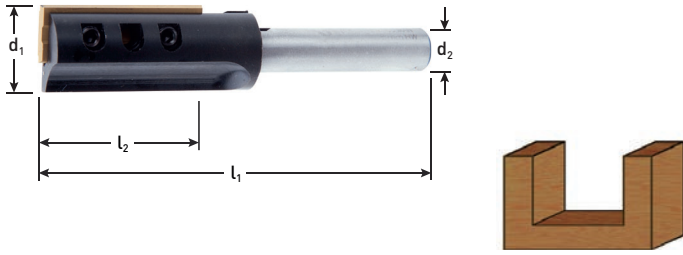
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
19	25	32	8	1	271.04.1900	<b>62,44</b>
22	25	32	8	1	271.04.2200	<b>61,92</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	3,5	8	1	273.01.1208	<b>19,65</b>
16	5	8	1	273.01.1608	<b>18,96</b>
19	6	8	1	273.01.1908	<b>19,69</b>
22	7	8	1	273.01.2208	<b>19,34</b>

**TCT Straight cutter, insert, GOLD-LINE**

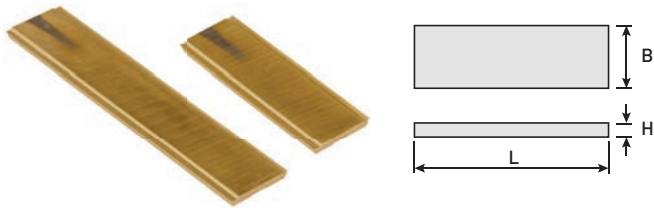


**Execution:** A unique tool. When used intensively, tools with inserts generally have advantages compared to conventional tools. No more resharpening makes the tool ready for use at all times and with a constant diameter. Inserts have 2 or more cutting edges. Due to its unique blade clamping design, these tools are equipped with an optimally sized chip space. The inserts with sintered chip breakers offer optimized cutting angles, even in the smaller diameters, starting from ø8.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
8	63	20	8	1	271.05.0800	<b>135,63</b>
10	63	20	8	1	271.05.1000	<b>135,09</b>
12	63	20	8	1	271.05.1200	<b>134,53</b>
14	74	30	8	1	271.05.1400	<b>140,18</b>
15	74	30	8	1	271.05.1500	<b>140,18</b>
16	74	30	8	1	271.05.1600	<b>140,58</b>
18	74	30	8	1	271.05.1800	<b>140,83</b>
20	74	30	8	1	271.05.2000	<b>141,17</b>
22	74	30	8	1	271.05.2200	<b>141,95</b>
8	63	20	12	1	272.05.0800	<b>135,24</b>
10	63	20	12	1	272.05.1000	<b>134,94</b>

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	63	20	12	1	272.05.1200	<b>135,09</b>
14	74	30	12	1	272.05.1400	<b>139,69</b>
14	94	50	12	1	272.05.1401	<b>172,49</b>
15	74	30	12	1	272.05.1500	<b>140,10</b>
16	74	30	12	1	272.05.1600	<b>140,40</b>
16	94	50	12	1	272.05.1601	<b>172,86</b>
18	74	30	12	1	272.05.1800	<b>142,76</b>
18	94	50	12	1	272.05.1801	<b>173,76</b>
20	74	30	12	1	272.05.2000	<b>142,64</b>
20	94	50	12	1	272.05.2001	<b>175,97</b>
22	74	30	12	1	272.05.2200	<b>134,32</b>

**Carbide insert for 271.05**



L (mm)	B (mm)	H (mm)	pcs/PU	Item no.	€ / PU
20	5,5	1,1	1	273.02.2055	<b>26,73</b>
30	10	1,5	1	273.02.3010	<b>31,52</b>
50	10	1,5	1	273.02.5010	<b>34,61</b>

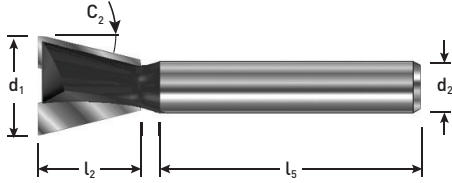
**Screw for 271.05**



Dimensions (mm)	Suitable for	pcs/PU	Item no.	€ / PU
M2,5 x 3	ø8 - ø12	1	273.03.9000	<b>3,69</b>
M4 x 4	ø14 - ø22	1	273.03.9001	<b>2,99</b>

**TCT Dovetail cutter, GOLD-LINE**

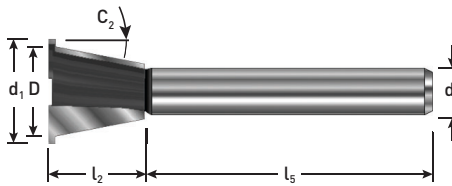
**Execution:** Two flutes, without side spurs.



d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	C <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6,35	7,9	32	7,5°	8	1	271.06.0635	<b>26,33</b>
9,5	9,5	32	9°	8	1	271.06.0950	<b>26,94</b>
9,5	9,5	32	12°	8	1	271.06.0951	<b>26,33</b>
14,3	12,7	32	14°	8	1	271.06.1430	<b>30,19</b>
14,3	13,5	32	15°	8	1	271.06.1431	<b>30,15</b>
22	22	32	15°	8	1	271.06.2200	<b>41,84</b>
9,5	9,5	40	9°	12	1	272.06.0950	<b>26,24</b>
12,7	12,7	40	14°	12	1	272.06.1270	<b>27,76</b>
14,3	12,7	40	14°	12	1	272.06.1430	<b>30,04</b>
19	19	40	14°	12	1	272.06.1900	<b>37,34</b>
19	22,2	40	7°	12	1	272.06.1901	<b>37,79</b>
25,4	22,2	40	14°	12	1	272.06.2540	<b>45,82</b>

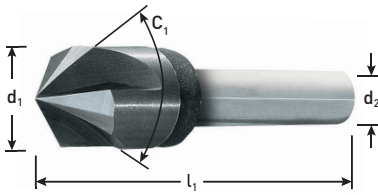
**TCT Dovetail cutter, side spurs, GOLD-LINE**

**Execution:** Two flutes, with side spurs.



d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	C <sub>2</sub>	D (mm)	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
14,3	13,5	32	14°	12,7	8	1	271.07.1430	<b>39,96</b>
14,3	13,5	40	14°	12,7	12	1	272.07.1430	<b>39,66</b>

**Solid carbide V-Groove bit, GOLD-LINE**

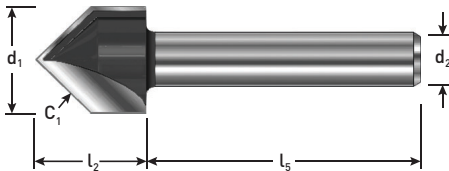


**Execution:** Solid carbide cutter head with 3 cutting edges, for centric chuck, right-handed use. Other diameters and specification on request.

**Application:** For cutting V-grooves and decorative grooves and for signmaking in soft and hard wood and laminated material. Speed: 15.000–24.000 rev/min

d <sub>1</sub>	l <sub>1</sub>	C <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
14	65	60°	8	1	271.08.1401	<b>39,11</b>

**TCT V-Groove bit, GOLD-LINE**



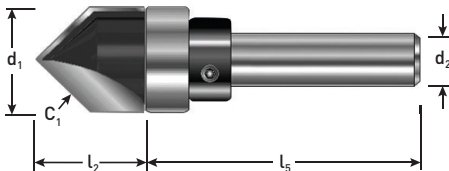
**Execution:** Suitable for routing machines with high RPM spindles.

**Application:** Used for bevelling, chamfering and for producing mortar grooves. Can be used for imitating 'V' jointed tongue and groove on man-made board. Can be used for lettering and freehand designs for which the 60° profile is the most likely.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	C <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	15,9	32	60°	8	1	271.09.1270	<b>39,85</b>
19,05	20,6	32	60°	8	1	271.09.1905	<b>59,55</b>
12,7	12,7	32	90°	8	1	271.09.1271	<b>41,84</b>
15,9	12,7	32	90°	8	1	271.09.1590	<b>46,37</b>
19,05	15,9	32	90°	8	1	271.09.1906	<b>53,94</b>

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	C <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
32	22	32	90°	8	1	271.09.3200	<b>82,23</b>
19,05	20,6	40	60°	12	1	272.09.1905	<b>58,81</b>
19,05	15,9	40	90°	12	1	272.09.1906	<b>54,02</b>
32	23,5	40	90°	12	1	272.09.3200	<b>82,11</b>

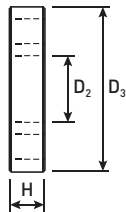
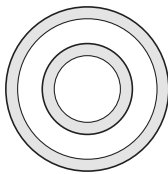
**TCT V-Groove bit, guide bearing, GOLD-LINE**



**Execution:** Like a regular V-groove bit, but with a guide bearing on the shank, therefore ideal for use with a simple template.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	C <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	12	32	90°	8	1	271.10.1200	<b>49,23</b>

**Guide bearing**

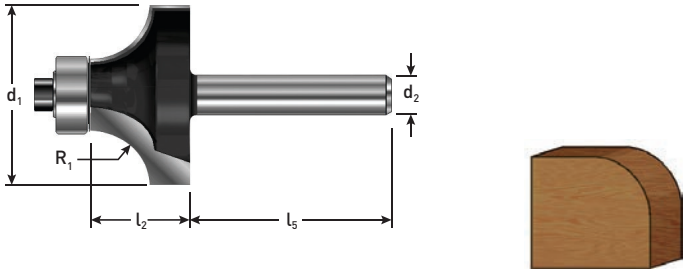


D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	3,5	8	1	273.01.1208	<b>19,65</b>



**TCT Rounding over cutter, guide bearing, GOLD-LINE**

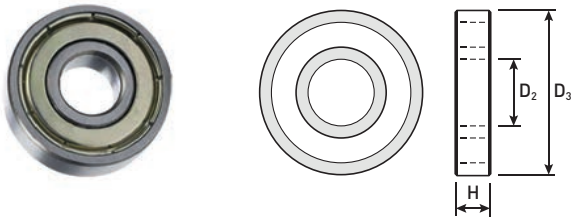
**Execution:** Two flutes, with exchangeable guide bearing.



d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
16,7	9,5	32	2	8	1	271.11.0200	<b>45,55</b>
18,7	9,5	32	3	8	1	271.11.0300	<b>45,59</b>
20,7	9,5	32	4	8	1	271.11.0400	<b>49,43</b>
22,7	9,5	32	5	8	1	271.11.0500	<b>53,47</b>
24,7	12,7	32	6	8	1	271.11.0600	<b>55,25</b>
25,4	12,7	32	6,35	8	1	271.11.0635	<b>57,87</b>
28,6	12,7	32	8	8	1	271.11.0800	<b>59,17</b>
31,8	15,9	32	9,5	8	1	271.11.0950	<b>69,82</b>
32,7	16	32	10	8	1	271.11.1000	<b>70,42</b>
36,7	19	32	12	8	1	271.11.1200	<b>75,23</b>
38,1	19	32	12,7	8	1	271.11.1270	<b>78,22</b>
44,7	22	32	16	8	1	271.11.1600	<b>98,41</b>
16,7	9,5	40	2	12	1	272.11.0200	<b>45,29</b>
18,7	9,5	40	3	12	1	272.11.0300	<b>45,29</b>

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
20,7	9,5	40	4	12	1	272.11.0400	<b>49,21</b>
22,7	9,5	40	5	12	1	272.11.0500	<b>53,19</b>
24,7	12,7	40	6	12	1	272.11.0600	<b>55,21</b>
25,4	12,7	40	6,35	12	1	272.11.0635	<b>57,69</b>
28,6	12,7	40	8	12	1	272.11.0800	<b>58,97</b>
31,8	15,9	40	9,5	12	1	272.11.0950	<b>69,51</b>
32,7	16	40	10	12	1	272.11.1000	<b>70,36</b>
36,7	19	40	12	12	1	272.11.1200	<b>75,16</b>
38,1	19	40	12,7	12	1	272.11.1270	<b>77,77</b>
44,7	22,2	40	16	12	1	272.11.1600	<b>97,76</b>
50,8	25,4	40	19	12	1	272.11.1900	<b>117,33</b>
57,2	28,6	40	22,2	12	1	272.11.2220	<b>143,94</b>
63,5	31,8	40	24,4	12	1	272.11.2440	<b>158,04</b>
69,9	34,9	40	28,6	12	1	272.11.2860	<b>186,43</b>
76,2	38,1	40	31,8	12	1	272.11.3180	<b>213,28</b>

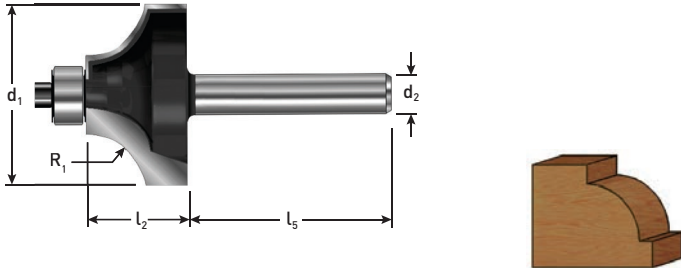
**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

**TCT Beading cutter, GOLD-LINE**

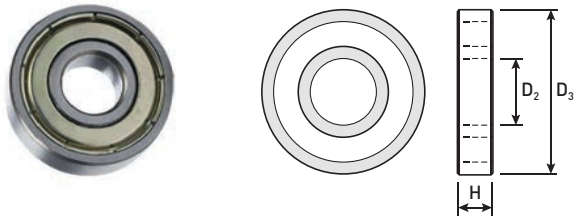
**Execution:** Two flutes, with exchangeable guide bearing.



d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
22,7	9,5	32	5	8	1	271.12.0500	<b>53,08</b>
24,7	12,7	32	6	8	1	271.12.0600	<b>55,08</b>
32,7	16	32	10	8	1	271.12.1000	<b>70,33</b>
36,7	19	32	12	8	1	271.12.1200	<b>75,12</b>
16,7	9,5	40	2	12	1	272.12.0200	<b>45,38</b>
18,7	9,5	40	3	12	1	272.12.0300	<b>45,38</b>
20,7	9,5	40	4	12	1	272.12.0400	<b>49,27</b>

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
24,7	12,7	40	6	12	1	272.12.0600	<b>55,08</b>
25,4	12,7	40	6,35	12	1	272.12.0635	<b>57,65</b>
31,8	15,9	40	9,5	12	1	272.12.0950	<b>69,59</b>
38,1	19	40	12,7	12	1	272.12.1270	<b>78,58</b>
57,2	28,6	40	22,2	12	1	272.12.2220	<b>141,54</b>
63,5	31,8	40	25,4	12	1	272.12.2540	<b>158,87</b>
69,9	34,9	40	28,6	12	1	272.12.2860	<b>184,26</b>
76,2	38,1	40	31,75	12	1	272.12.3175	<b>215,14</b>

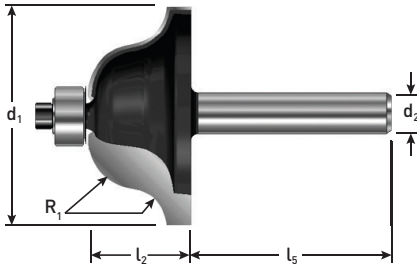
**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,52	3,18	4,76	1	273.01.0904	<b>17,54</b>

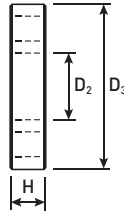
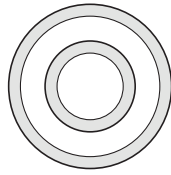
**TCT Roman Ogee cutter, GOLD-LINE**

**Execution:** Two flutes, with exchangeable guide bearing.



d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
27	11,9	32	4	8	1	271.13.0400	<b>66,03</b>
34,9	16,6	32	6,35	8	1	271.13.0635	<b>77,20</b>
43	25	32	8	8	1	271.13.0800	<b>97,76</b>
43	25	40	8	12	1	272.13.0800	<b>97,87</b>

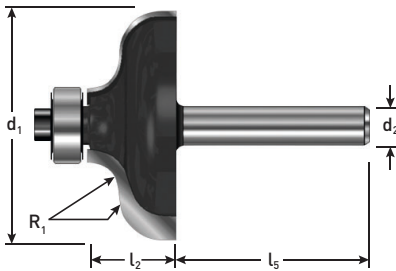
**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,52	3,18	4,76	1	273.01.0904	<b>17,54</b>

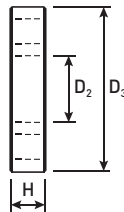
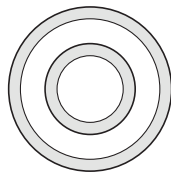
**TCT Ogee cutter, GOLD-LINE**

**Execution:** Two flutes, with exchangeable guide bearing.



d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
31,8	12,7	32	4,8	8	1	271.14.0480	<b>81,75</b>
38,1	17,5	32	6,35	8	1	271.14.0635	<b>93,77</b>
31,8	12,7	40	4,8	12	1	272.14.0480	<b>81,86</b>

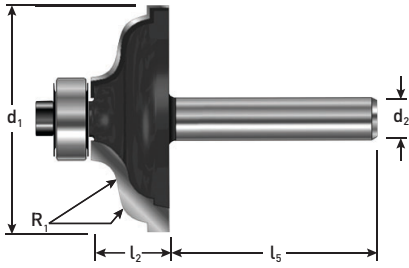
**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

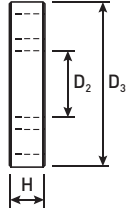
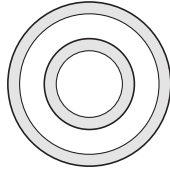
**TCT Ogee filet cutter, GOLD-LINE**

**Execution:** Two flutes, with exchangeable guide bearing.



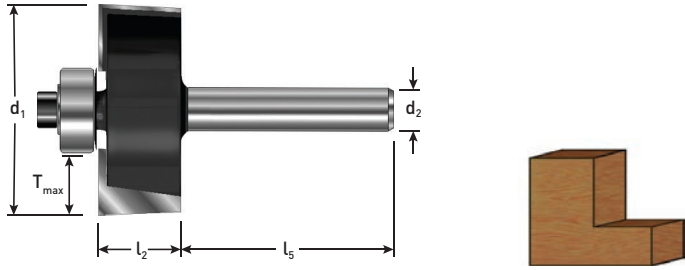
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
34,9	14,3	32	4,8	8	1	271.15.0480	<b>91,25</b>
41,3	17,5	32	6,35	8	1	271.15.0635	<b>103,58</b>
34,9	14,3	40	4,8	12	1	272.15.0480	<b>91,33</b>
41,3	17,5	40	6,35	12	1	272.15.0635	<b>103,68</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

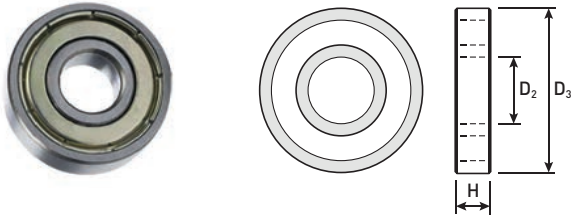
**TCT Rebate cutter GOLD-LINE**



**Execution:** Two flutes, with exchangeable guide bearing for straight or curved work. Rebate depth 9,5 mm.

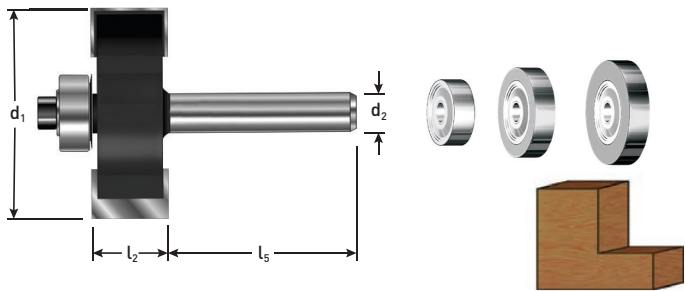
d <sub>1</sub>	T <sub>max</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
31,8	9,5	12,7	32	8	1	271.16.3180	<b>57,91</b>
31,8	9,5	12,7	40	12	1	272.16.3180	<b>57,46</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

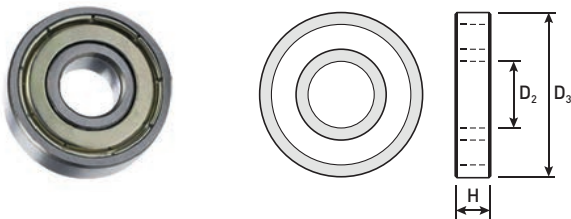
**TCT Rebate cutter, guide bearing set, GOLD-LINE**



**Execution:** Popular rebate sets which includes 4 sizes of guide bearings for a choice of rebates with following depths: 12,7 / 11,1 / 9,5 / 7,9mm.

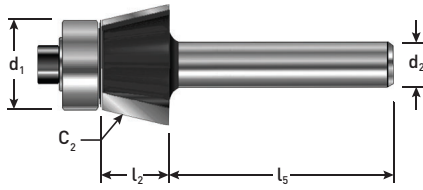
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
34,9	12,7	32	8	1	271.17.3490	<b>94,68</b>
34,9	12,7	40	12	1	272.17.3490	<b>94,02</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,52	3,18	4,76	1	273.01.0904	<b>17,54</b>
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>
15,88	5	5	1	273.01.1505	<b>18,70</b>
19,05	7,14	6,35	1	273.01.1956	<b>26,21</b>

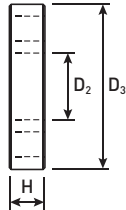
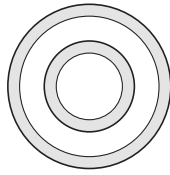
**TCT Bevel trim cutter, GOLD-LINE**



**Execution:** Two flutes, with exchangeable guide bearing.

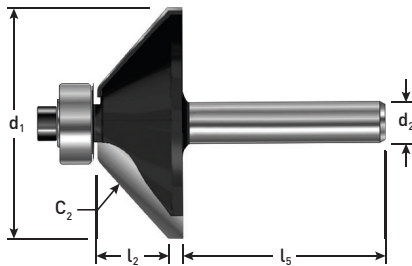
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	C <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
17,2	9,5	32	15°	8	1	271.18.1720	<b>47,73</b>
19,9	9,5	32	22°	8	1	271.18.1990	<b>47,73</b>
23	9,5	32	30°	8	1	271.18.2300	<b>47,87</b>
36	11,6	32	45°	8	1	271.18.3600	<b>66,21</b>
19,9	9,5	40	22°	12	1	272.18.1990	<b>47,70</b>
36	11,6	40	45°	12	1	272.18.3600	<b>72,73</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

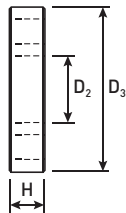
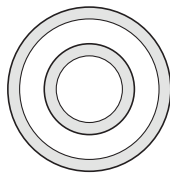
**TCT Chamfer cutter, GOLD-LINE**



**Execution:** Two flutes, exchangeable bearing guided chamfer cutters. 45° angle and bigger blade length, ideal for a plain chamfer.

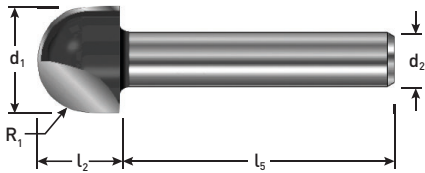
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	C <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
28,6	9	32	45°	8	1	271.19.2860	<b>60,24</b>
44,5	15,9	32	45°	8	1	271.19.4450	<b>78,88</b>
44,5	15,9	40	45°	12	1	272.19.4450	<b>86,91</b>
50,8	19	40	45°	12	1	272.19.5080	<b>105,92</b>
57,2	22,2	40	45°	12	1	272.19.5720	<b>119,32</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,52	3,18	4,76	1	273.01.0904	<b>17,54</b>
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

**TCT Core box cutter, GOLD-LINE**

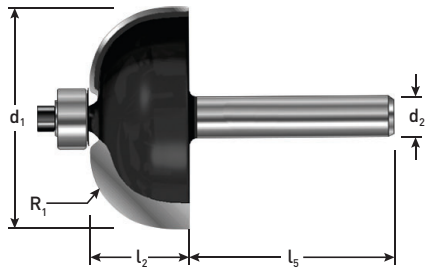


**Execution:** Two fluted cutters for round bottom, decorative and functional slots and grooves. The cutters with radius 19 (ø38,1) and 25,4 (ø50,8) can be used as handrail bits for stairs.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	6	32	3	8	1	271.20.0300	<b>29,73</b>
8	8	32	4	8	1	271.20.0400	<b>30,96</b>
10	9,5	32	5	8	1	271.20.0500	<b>34,03</b>
12	9,5	32	6	8	1	271.20.0600	<b>37,88</b>
12,7	9,5	32	6,35	8	1	271.20.0635	<b>37,72</b>
16	12	32	8	8	1	271.20.0800	<b>43,46</b>
19	11	32	9,5	8	1	271.20.0950	<b>41,96</b>
20	16	32	10	8	1	271.20.1000	<b>53,16</b>
24,4	19	32	12,7	8	1	271.20.1270	<b>67,38</b>

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	6	40	3	12	1	272.20.0300	<b>31,92</b>
8	8	40	4	12	1	272.20.0400	<b>31,92</b>
10	9,5	40	5	12	1	272.20.0500	<b>33,92</b>
12	9,5	40	6	12	1	272.20.0600	<b>37,72</b>
12,7	9,5	40	6,35	12	1	272.20.0635	<b>38,14</b>
16	12	40	8	12	1	272.20.0800	<b>43,42</b>
20	16	40	10	12	1	272.20.1000	<b>52,66</b>
25,4	19	40	12,7	12	1	272.20.1270	<b>71,02</b>
38,1	22,2	40	19,05	12	1	272.20.1905	<b>90,34</b>
50,8	31,8	40	25,4	12	1	272.20.2540	<b>134,32</b>

**TCT Cove cutter, GOLD-LINE**

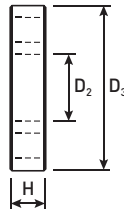
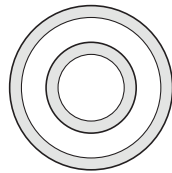


**Execution:** Two flutes, with exchangeable guide bearing.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
15,5	9,5	32	3	8	1	271.21.0300	<b>45,95</b>
17,5	9,5	32	4	8	1	271.21.0400	<b>49,62</b>
19,5	9,5	32	5	8	1	271.21.0500	<b>51,08</b>
21,5	9,5	32	6	8	1	271.21.0600	<b>55,08</b>
22,2	12,7	32	6,35	8	1	271.21.0635	<b>55,77</b>
25,5	12,7	32	8	8	1	271.21.0800	<b>61,43</b>
28,6	12,7	32	9,5	8	1	271.21.0950	<b>66,03</b>
34,9	15,9	32	12,7	8	1	271.21.1270	<b>78,37</b>
41,5	19	32	16	8	1	271.21.1600	<b>91,08</b>

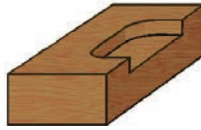
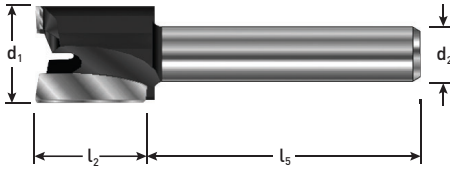
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
13,5	9,5	40	2	12	1	272.21.0200	<b>45,38</b>
15,5	9,5	40	3	12	1	272.21.0300	<b>45,38</b>
19,5	9,5	40	5	12	1	272.21.0500	<b>51,08</b>
21,5	9,5	40	6	12	1	272.21.0600	<b>54,97</b>
22,2	12,7	40	6,35	12	1	272.21.0635	<b>43,64</b>
25,5	12,7	40	8	12	1	272.21.0800	<b>61,43</b>
28,6	12,7	40	9,5	12	1	272.21.0950	<b>67,81</b>
41,5	19	40	16	12	1	272.21.1600	<b>90,01</b>
47,6	22,2	40	19	12	1	272.21.1900	<b>117,14</b>
57,1	25,4	40	22,2	12	1	272.21.2220	<b>136,26</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,52	3,18	4,76	1	273.01.0904	<b>17,54</b>

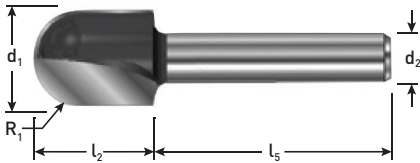
**TCT Hinge mortising cutter, GOLD-LINE**



**Execution:** Two flutes. Specifically designed for cutting holes for hinges, stair treads and the general routing of larger flat bottom areas with quick clearance of waste.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
19	12	32	8	1	271.22.1400	<b>38,30</b>
30	12	32	8	1	271.22.3000	<b>63,27</b>
19	12	40	12	1	272.22.1900	<b>37,79</b>
30	12	40	12	1	272.22.3000	<b>63,99</b>

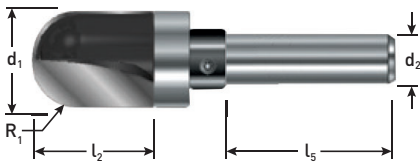
**TCT Round nose grooving cutter, GOLD-LINE**



**Execution:** Two fluted cutters for round bottom, decorative and functional slots and grooves. Extended length for deep grooving. The ø6 (R=3) cutter is single fluted.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
6	12,7	32	3	8	1	271.23.0300	<b>34,28</b>
9,5	12,7	32	4,75	8	1	271.23.0475	<b>37,84</b>
12,7	15,9	32	6,35	8	1	271.23.0635	<b>45,38</b>
9,5	12,7	40	4,75	12	1	272.23.0475	<b>37,76</b>
12,7	15,9	40	6,35	12	1	272.23.0635	<b>45,41</b>
25,4	31,8	40	12,7	12	1	272.23.1270	<b>85,66</b>

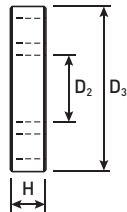
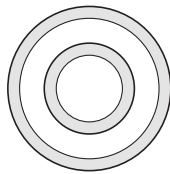
**TCT Round nose grooving cutters, guide bearing, GOLD-LINE**



**Execution:** Having all the functions of a round nose cutter, but with a guide bearing on the shank with the same diameter as the cutter, this cutter is ideal for use with templates.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	16	32	6	8	1	271.24.0600	<b>56,98</b>

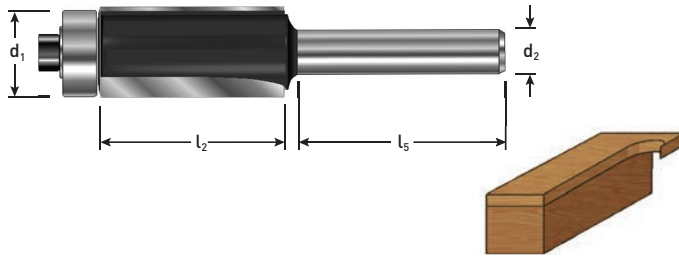
**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12	3,5	8	1	273.01.1208	<b>19,65</b>
25,4	12,7	8	1	273.01.2548	<b>26,21</b>



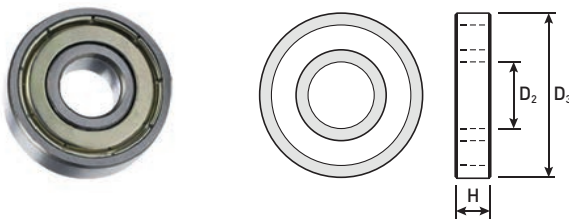
**TCT Trimming cutter, GOLD-LINE**



**Execution:** Two fluted cutter, with replaceable guide bearing. Diameter of the tool is ground to the diameter of the bearing for precise trimming. For trimming plastic or plywood overlays and copy profiling with templates.

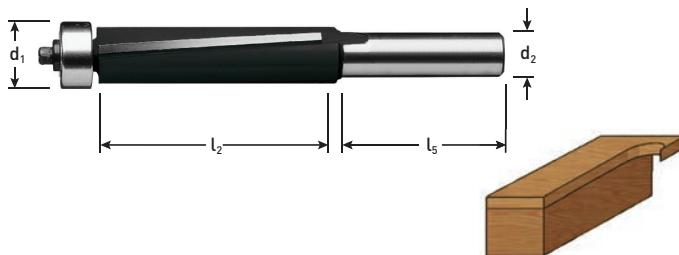
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,5	12,7	32	8	1	271.25.0950	<b>38,41</b>
12,7	12,7	32	8	1	271.25.1270	<b>38,30</b>
12,7	25,4	32	8	1	271.25.1271	<b>36,09</b>
12,7	25,4	40	12	1	272.25.1270	<b>35,96</b>
12,7	38,1	40	12	1	272.25.1271	<b>45,88</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
9,52	3,18	4,76	1	273.01.0904	<b>17,54</b>
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>
19,05	7,14	6,35	1	273.01.1956	<b>26,21</b>

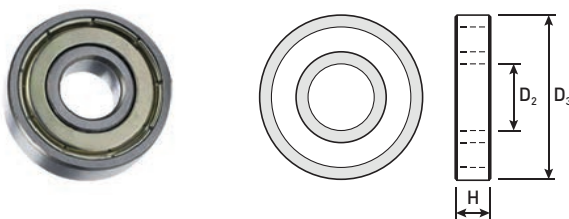
**TCT Trimming cutter, helix, GOLD-LINE**



**Execution:** Due to the negative angle cutting edges a shear angle is created which results in a superior finish of the edges, even for fast cuts in delicate materials. Ideal for coated boards and plastics, but also for long-fibre woods. Suitable for use with templates and curve-shaping tools.

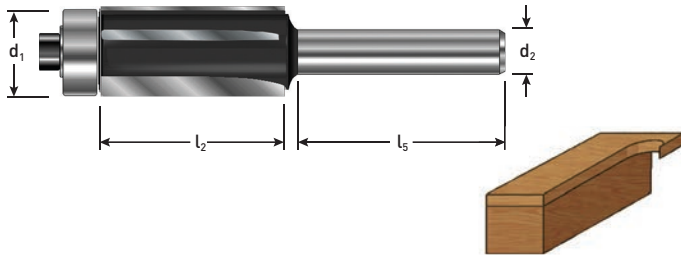
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	25,4	32	8	1	271.26.1270	<b>43,24</b>
19,05	50,8	40	12	1	272.26.1905	<b>94,65</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>
19,05	7,14	6,35	1	273.01.1956	<b>26,21</b>

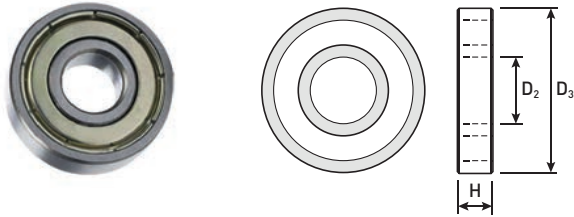
**TCT Trimming cutter, Z3, GOLD-LINE**



**Execution:** Three fluted cutter, with replacable guide bearing. Diameter of the tool is ground to the diameter of the guide bearing for precise trimming. For trimming plastic or plywood overlays and copy profiling with templates.

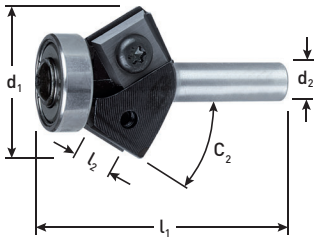
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	12,7	32	8	1	271.27.1270	<b>39,18</b>
12,7	25,4	32	8	1	271.27.1271	<b>43,91</b>
12,7	38,1	40	12	1	272.27.1272	<b>49,95</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

**TCT Chamfer cutter, 45°, inserts, GOLD-LINE**

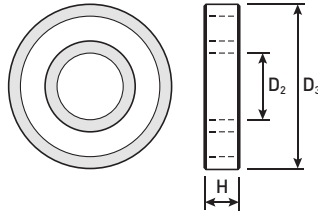


**Execution:** Chamfer cutter with 2 solid carbide inserts of which all four cutting edges can be used. Face and peripheral cutting, right-handed rotation, for manual feed.

**Application:** For cutting in laminated materials, soft and hard woods. Speed: 18.000-30.000 rev/min.

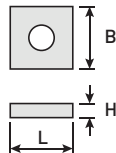
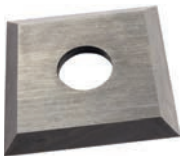
$d_1$	$C_2$	$l_2$	$l_1$	$d_2$	pcs/PU	Item no.	€ / PU
30	45°	12	42	8	1	271.28.3000	<b>111,87</b>

**Guide bearing**



$D_3$	H (mm)	$D_2$	pcs/PU	Item no.	€ / PU
9,52	3,18	4,76	1	273.01.0904	<b>17,54</b>

**Carbide insert for 271.28**



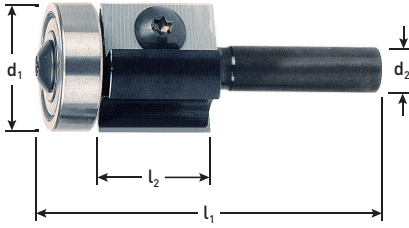
Dimensions (mm)	pcs/PU	Item no.	€ / PU
12 x 12 x 1,5	1	273.02.1212	<b>5,60</b>

**Screw for 271.28**



Dimensions (mm)	pcs/PU	Item no.	€ / PU
M4 x 6	1	273.03.9002	<b>5,76</b>

**TCT Chamfer cutter, inserts, GOLD-LINE**



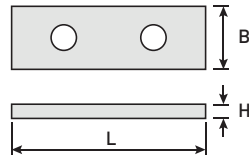
**Execution:** Chamfer cutter with 2 solid carbide inserts of which 2 cutting edges can be used, Peripheral cutting, with exchangeable guide bearing, right hand cutting, manual feed. Suitable for use with templates.

**Application:** For cutting in laminated materials.  
Speed: 18.000 - 30.000 rev/min.

d <sub>1</sub>	l <sub>1</sub>	l <sub>2</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
19	50	12	8	1	271.29.1900	<b>71,13</b>
19	90	30	8	1	271.29.1902	<b>86,14</b>
22*	50	12	8	1	271.29.2200	<b>91,98</b>
22*	58	20	8	1	271.29.2201	<b>90,76</b>

\* Phase-out item, available until stock has depleted

**Carbide insert for 271.29**



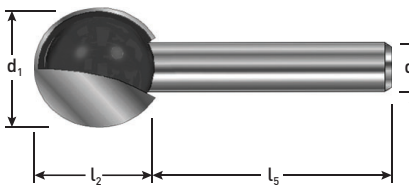
Dimensions (mm)	pcs/PU	Item no.	€ / PU
12 x 12 x 1,5	1	273.02.1212	<b>5,60</b>
30 x 12 x 1,5	1	273.02.3012	<b>7,31</b>

**Screw for 271.29**



Dimensions (mm)	pcs/PU	Item no.	€ / PU
M4 x 6	1	273.03.9002	<b>5,76</b>

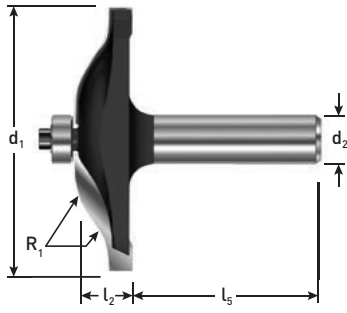
**TCT Ball groove cutter, GOLD-LINE**



**Execution:** Two fluted cutter, ideal for hiding pipes and cables as well as curtain rails with ball shaped runners. If the full diameter is to be used, a slot must cut first to clear the passage of the shank.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
15,9*	14,8	32	8	1	271.31.1590	<b>55,13</b>
15,9	14,8	40	12	1	272.31.1590	<b>57,54</b>

**TCT Panel raising cutter, sharp, GOLD-LINE**

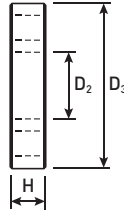
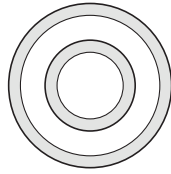


**Execution:** Two fluted cutter, with exchangeable guide bearing. Can be used overhead or inverted but always horizontal. Profile depths from 19 - 28,5mm. Because of the big diameter and the risk of breaking the 8mm shank, it is highly recommended to work in multiple steps up to final depth of cut.

**Application:** Speed: max. 12.000 rev/min.

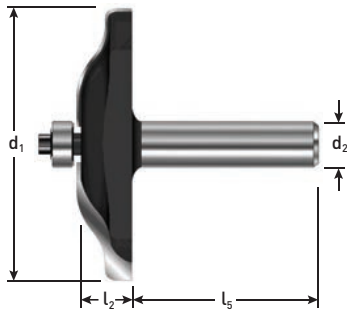
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
50,8	12,7	32	9,52	8	1	271.32.5080	<b>93,11</b>
63,5	16	16	15	10	1	271.32.6350	<b>75,23</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

**TCT Panel raising cutter, radius, GOLD-LINE**

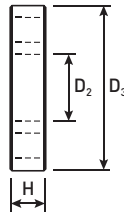
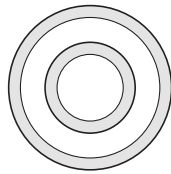


**Execution:** Two fluted cutter, with exchangeable guide bearing. Can be used overhead or inverted but always horizontal. Radii: 2 mm and 16 mm. Max. profile depth: 31,7mm.

**Application:** Speed: max. 12.000 rev/min.

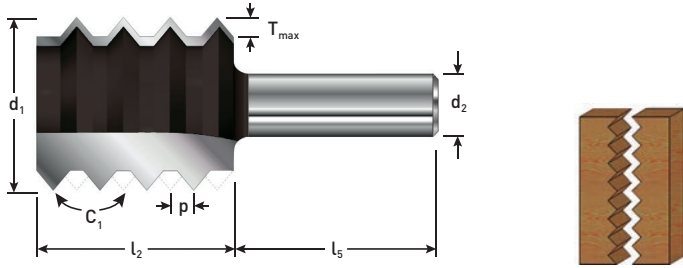
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
76,2	15,9	50	12	1	272.33.7620	<b>167,70</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	4,76	4,76	1	273.01.1274	<b>17,54</b>

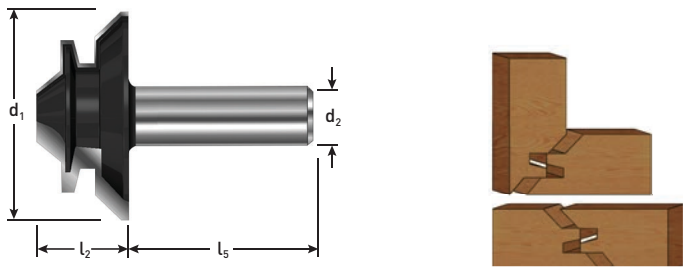
**TCT Panel joint bit, V-shape, GOLD-LINE**



**Execution:** This bit will give a strong joint of your workpiece because of the V-groove. Also because of this form you will have an almost invisible joint on your workpiece.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	T <sub>max</sub>	p	C <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
35	40	40	4,76	4	80°	12	1	272.34.3500	<b>228,46</b>

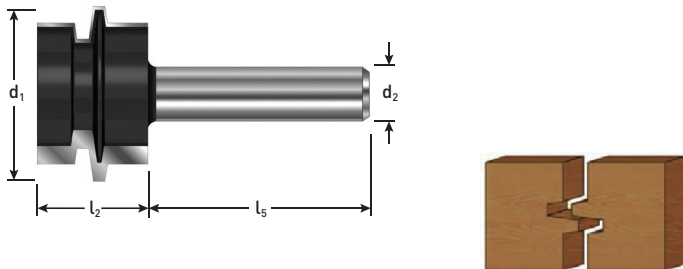
**TCT Mitre lock joint bit, GOLD-LINE**



**Execution:** Two fluted cutter. Specially designed to produce an effective and very strong 90° corner joint. The cutter can also be used for a glue joint, for jointing lengths together.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
38,1	12,7	32	8	1	271.35.3810	<b>114,30</b>
69,85	30,1	40	12	1	272.35.6985	<b>167,00</b>

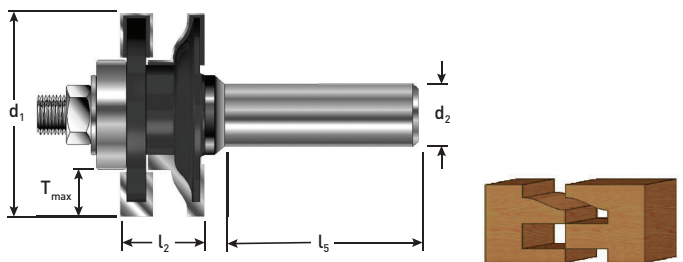
**TCT Off set tongue & groove cutter standard, GOLD-LINE**



**Execution:** Two flutes. Produces a reversible finger joint. Wood thickness max. 25mm.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
30,2	25,4	32	8	1	271.36.3020	<b>97,52</b>
41,5	25,4	40	12	1	272.36.4150	<b>109,30</b>

**TCT Reversible rail & stile cutter, GOLD-LINE**



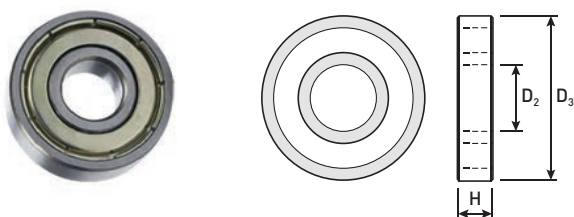
**Execution:** Two flutes. With exchangeable ball bearing. The set combines a profile cutter and a slotter. Both on a bearing mounted arbor.

**Application:** Stile and rail are produced by reversing the cutter parts. profile depth: 9,5mm. Groove width 6,35mm.

d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	T <sub>max</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
41*	23,8	32	9,5	8	1	271.37.4100	<b>136,58</b>

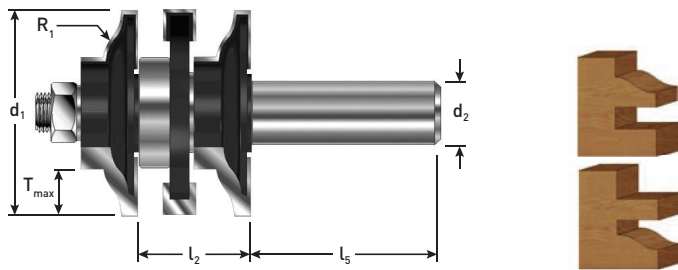
\* Phase-out item, available until stock has depleted

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
22	7	8	1	273.01.2208	<b>19,34</b>

**TCT Double rail & stile cutter, GOLD-LINE**

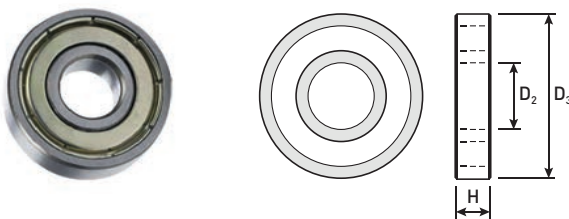


**Execution:** Three fluted cutter with a exchangeable guide bearing guide on the bottom. Diameter of the tool and of the bearing are exactly the same for precise trimming.

**Application:** For trimming plastic or plywood overlay. For copy profiling with template.

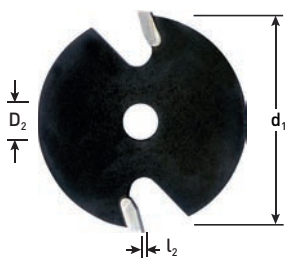
d <sub>1</sub>	l <sub>2</sub>	l <sub>5</sub>	R <sub>1</sub>	T <sub>max</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
41	23,8	38	4,76	9,5	8	1	271.38.4100	<b>236,88</b>
41	23,8	40	4,76	9,5	12	1	272.38.4100	<b>236,52</b>

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
22	7	8	1	273.01.2208	<b>19,34</b>

**TCT Slotting cutter, Z2, GOLD-LINE**



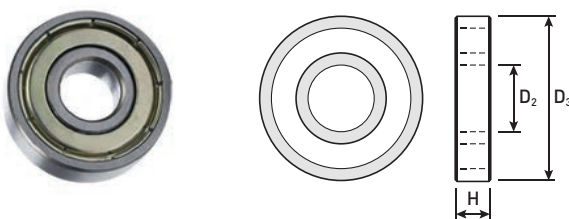
**Execution:** TCT Slotting cutter to be mounted on separately supplied arbors (271.40).

**Application:** For grooving in hard and soft woods. Speed: max. 12.000 - 14.000 rev/min.

d <sub>1</sub>	l <sub>2</sub>	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
40*	2	6	1	271.39.4020	<b>37,38</b>
40*	5	6	1	271.39.4050	<b>57,54</b>

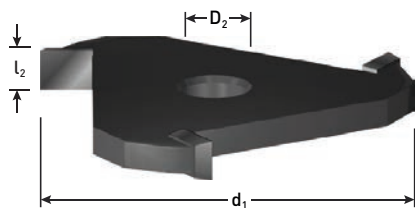
\* Phase-out item, available until stock has depleted

**Guide bearing**



D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
19	6	6	1	273.01.1906	<b>17,21</b>

**TCT Slotting cutter, Z3, GOLD-LINE**

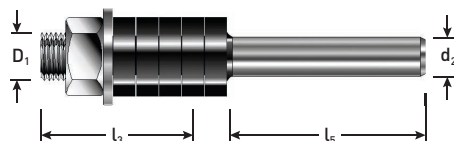


**Execution:** Three fluted slotting cutters with for use on machines with ø8mm spindle or arbors [271.42.0800 and 272.42.0800] without guide bearing or arbors [271.44.0800 and 272.44.0800] with guide bearing.

**Application:** For different applications as grooving for biscuit jointing, match lining and tongue and grooving.

d <sub>1</sub>	l <sub>2</sub>	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
47,6	2	8	1	271.41.4720	<b>43,60</b>
47,6	2,5	8	1	271.41.4725	<b>43,53</b>
47,6	3	8	1	271.41.4730	<b>43,05</b>
47,6	4	8	1	271.41.4740	<b>43,71</b>
47,6	5	8	1	271.41.4750	<b>43,28</b>
47,6	6	8	1	271.41.4760	<b>43,49</b>

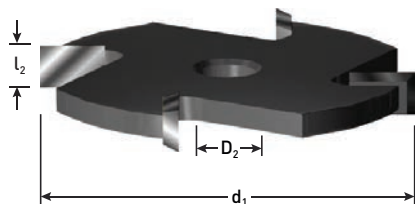
**Arbor for 271.41 and 271.43**



**Application:** Enables mounting of slotting cutters Art.nr. 271.41

D <sub>1</sub>	l <sub>3</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
8	23,8	32	8	1	271.42.0800	<b>37,34</b>
8	23,8	40	12	1	272.42.0800	<b>37,04</b>

**TCT Slotting cutter, Z4, GOLD-LINE**

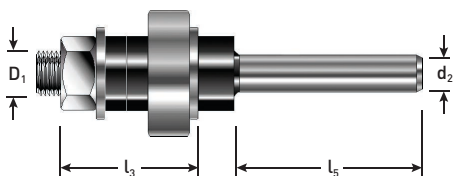


**Execution:** Four fluted slotting cutters with for use on machines with ø8mm spindle or arbors [271.42.0800 and 272.42.0800] without guide bearing or arbors [271.44.0800 and 272.44.0800] with guide bearing.

**Application:** For different applications as grooving for biscuit jointing, match lining and tongue and grooving.

d <sub>1</sub>	l <sub>2</sub>	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
50,8	2	8	1	271.43.5020	<b>53,76</b>
50,8	2,5	8	1	271.43.5025	<b>53,29</b>
50,8	3	8	1	271.43.5030	<b>53,55</b>
50,8	4	8	1	271.43.5040	<b>53,82</b>
50,8	5	8	1	271.43.5050	<b>53,29</b>
50,8	6	8	1	271.43.5060	<b>53,55</b>

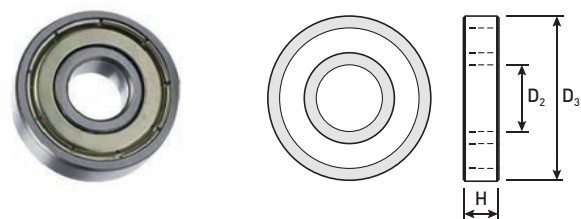
**Arbor with guide bearing for 271.43 and 271.41**



**Application:** Arbor with guide bearing for 271.43 en 271.41

D <sub>1</sub>	l <sub>3</sub>	l <sub>5</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
8	23,8	32	8	1	271.44.0800	<b>41,17</b>
8	23,8	40	12	1	272.44.0800	<b>41,35</b>

**Guide bearing for router bits**



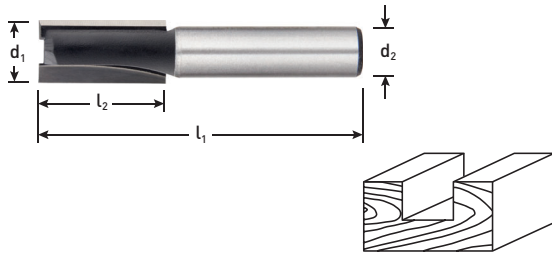
**Execution:** Guide bearings for router bits.

D <sub>3</sub>	H (mm)	D <sub>2</sub>	pcs/PU	Item no.	€ / PU
22	7	8	1	273.01.2208	<b>19,34</b>



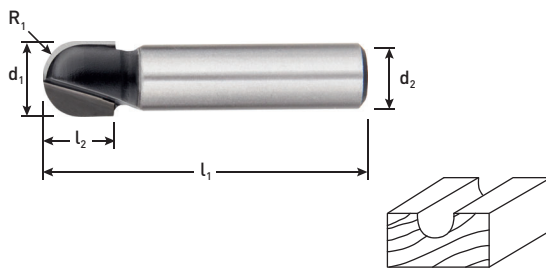
**270**

**TCT straight bit, SILVER-LINE**



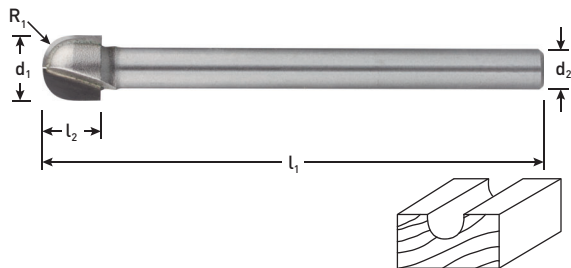
d <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€/PU
3	11	49	8	1	270.0003	12,46
4	11	48	8	1	270.0004	12,46
5	11	48	8	1	270.0005	12,46
6	16	55	8	1	270.0006	12,46
8	20	55	8	1	270.0008	14,64
10	20	52	8	1	270.0010	15,33
12	20	52	8	1	270.0012	16,28
14	20	52	8	1	270.0014	23,55
16	20	52	8	1	270.0016	25,70
18	20	52	8	1	270.0018	32,24
20	20	52	8	1	270.0020	33,34
22	25	52	8	1	270.0022	34,39
24	42	42	8	1	270.0024	35,48
25	42	41	8	1	270.0025	36,53

**TCT round nose bit, SILVER-LINE**



d <sub>1</sub>	R <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€/PU
9,5	4,75	7	41	8	1	270.0110	14,71
12,7	6,35	9	41	8	1	270.0130	17,16

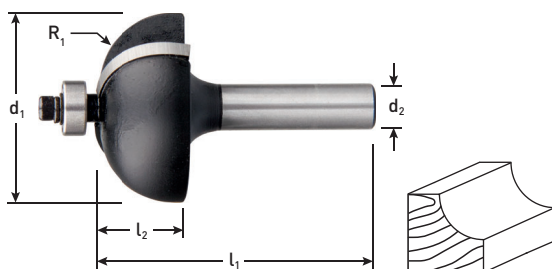
**TCT wood rot bit, SILVER-LINE**



**Execution:** Extra long, 75 mm.

d <sub>1</sub>	R <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€/PU
9,5	4,75	8	75	6	1	270.0111	23,71

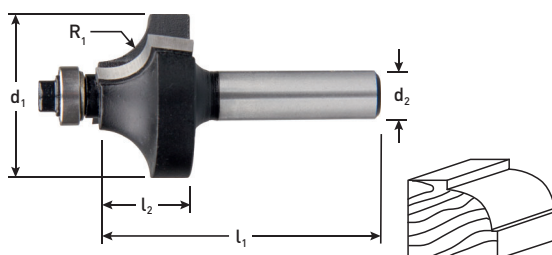
**TCT cove bit, SILVER-LINE**



**Execution:** With guide bearing.

d <sub>1</sub>	R <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€/PU
28,5	9,5	14	45	8	1	270.0228	31,47
35,0	12,7	14	48	8	1	270.0235	35,87

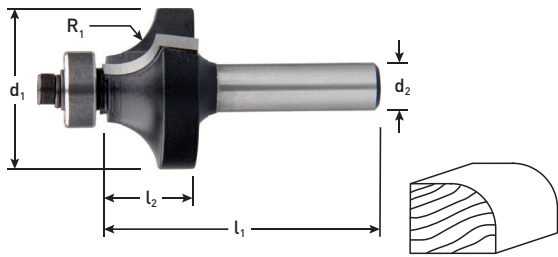
**TCT beading bit, SILVER-LINE**



**Execution:** With guide bearing.

d <sub>1</sub>	R <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€/PU
25,4	6,35	13,5	45	8	1	270.0325	28,48
28,6	8	15	47	8	1	270.0328	25,75
31,8	9,5	16,5	48	8	1	270.0332	36,39
38,1	12,7	19,7	51	8	1	270.0338	41,70

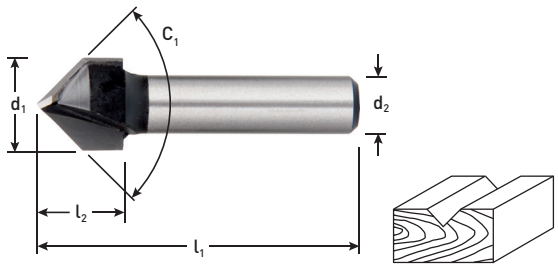
**TCT round over bit, SILVER-LINE**



**Execution:** With guide bearing.

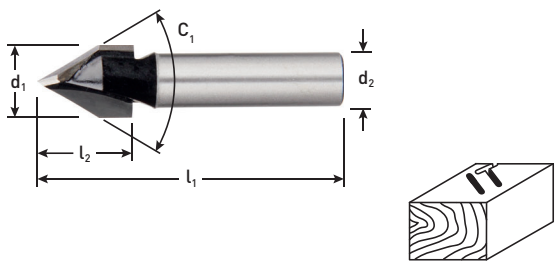
d <sub>1</sub>	R <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
25,4	6,35	12,7	44	8	1	270.0425	<b>27,42</b>
28,6	8	15	47	8	1	270.0428	<b>25,75</b>
31,8	9,5	16	47	8	1	270.0432	<b>35,05</b>
38,1	12,7	19,7	51	8	1	270.0438	<b>41,70</b>

**TCT 90° V-groove bit, SILVER-LINE**



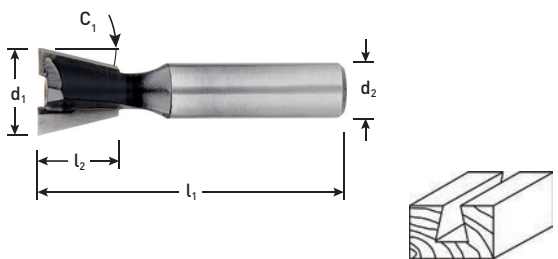
d <sub>1</sub>	C <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	90°	13	48	8	1	270.0513	<b>15,61</b>

**TCT 60° V-groove bit, SILVER-LINE**



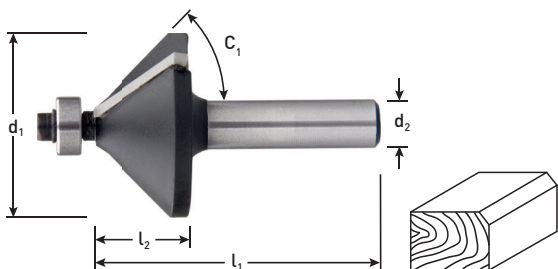
d <sub>1</sub>	C <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
11	60°	20	60	8	1	270.0611	<b>49,14</b>

**TCT dovetail bit, SILVER-LINE**



d <sub>1</sub>	C <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	15°	13,5	49	8	1	270.0713	<b>15,61</b>

**TCT chamfer bit, SILVER-LINE**

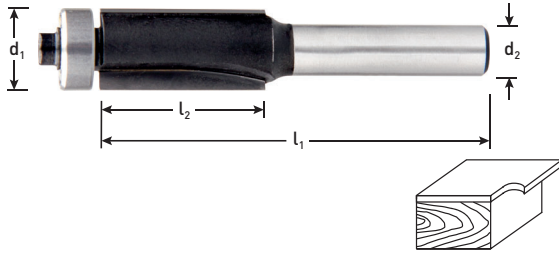


**Execution:** With guide bearing.

d <sub>1</sub>	C <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
31,8	45°	10	42	8	1	270.0832	<b>26,64</b>

**TCT flush trim bit, SILVER-LINE**

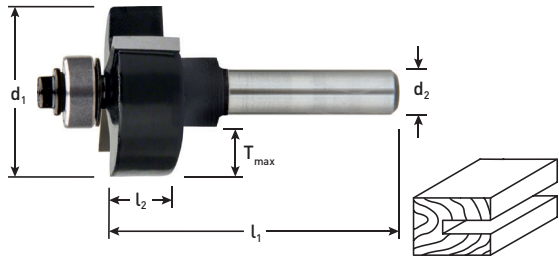
**Execution:** With guide bearing.



d <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
12,7	25,4	57	8	1	270.0913	<b>18,50</b>

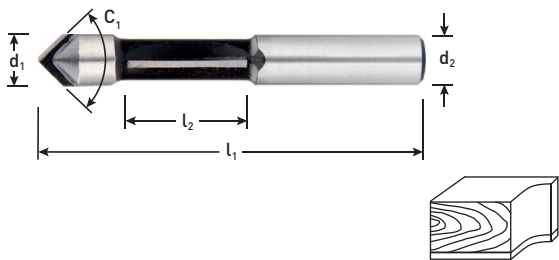
**TCT rabbeting bit, SILVER-LINE**

**Execution:** With guide bearing.



d <sub>1</sub>	T <sub>max</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
28,5	9,5	12,7	45	8	1	270.1032	<b>31,57</b>

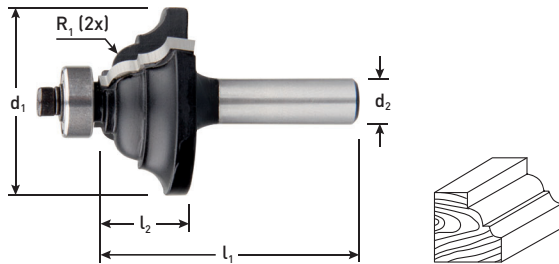
**TCT pilot panel bit, SILVER-LINE**



d <sub>1</sub>	C <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
8,0	100°	19	67	8	1	270.1108	<b>34,65</b>

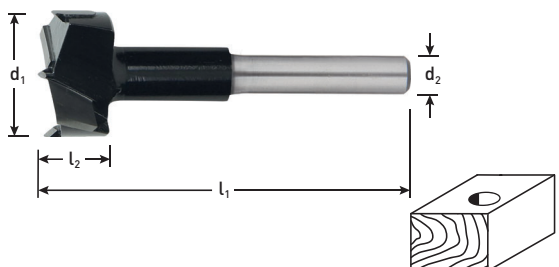
**TCT classical bit, SILVER-LINE**

**Execution:** With guide bearing.



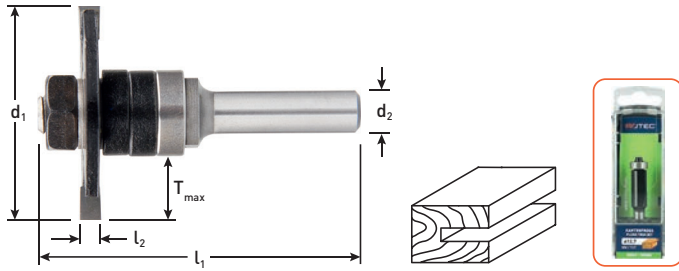
d <sub>1</sub>	R <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
35,0	4,8	17,5	50	8	1	270.1335	<b>41,81</b>

**TCT hinge hole bit, SILVER-LINE**



d <sub>1</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
26	12,5	76	8	1	270.1426	<b>39,32</b>
35	12,5	76	8	1	270.1435	<b>52,08</b>

**TCT slotting bit, SILVER-LINE**



**Execution:** With guide bearing.

d <sub>1</sub>	T <sub>max</sub>	l <sub>2</sub>	l <sub>1</sub>	d <sub>2</sub>	pcs/PU	Item no.	€ / PU
40	9	1,5	60	8	1	270.1440	<b>39,63</b>
40	9	2	60	8	1	270.1441	<b>39,63</b>
40	9	2,5	60	8	1	270.1442	<b>39,63</b>
40	9	3	60	8	1	270.1443	<b>39,63</b>
40	9	3,5	60	8	1	270.1444	<b>39,63</b>
40	9	4	60	8	1	270.1445	<b>39,63</b>

**270**

**TCT wood router bit set, SILVER-LINE, in wooden case**



Description	Type	Content	pcs/PU	Item no.	€ / PU
12 piece router bit set	270	Straight bit ø8, ø12 and ø16 Round nose bit ø12 Chamfer bit ø28,6x45° Frame bit ø35 / R4 V-Groove bit ø16x90° Dove tail bit ø14,3x15° Cove bit ø24,7 and ø32,7 Round-over bit ø24,7 and ø32,7	1	270.9002	<b>114,61</b>

**519**

**Carbide blade for electrical hand planer**



Dimensions (mm)	pcs/PU	Item no.	€ / PU
82,0 x 5,5 x 1,1	10	519.0030	<b>45,76</b>
82,0 x 5,5 x 1,1	2	519.0031	<b>11,00</b>