
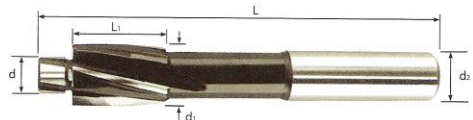


Counterbores

Plain Shank

	<p>4 Flute Straight Shank Counterbores Used to produce recessed holes for cap head screws Material: High Speed Steel DIN 373</p>
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	<table border="1"> <thead> <tr> <th>Code</th> <th>Screw size</th> <th>d1 mm</th> <th>d2 mm</th> <th>d mm</th> <th>L</th> <th>L1</th> </tr> </thead> <tbody> <tr><td>28-650-003</td><td>M3</td><td>6</td><td>5</td><td>3.4</td><td>71</td><td>14</td></tr> <tr><td>28-650-004</td><td>M4</td><td>8</td><td>5</td><td>4.5</td><td>71</td><td>14</td></tr> <tr><td>28-650-005</td><td>M5</td><td>10</td><td>8</td><td>5.5</td><td>80</td><td>18</td></tr> <tr><td>28-650-006</td><td>M6</td><td>11</td><td>8</td><td>6.6</td><td>80</td><td>18</td></tr> <tr><td>28-650-008</td><td>M8</td><td>15</td><td>12.5</td><td>9.0</td><td>100</td><td>22</td></tr> <tr><td>28-650-010</td><td>M10</td><td>18</td><td>12.5</td><td>11.0</td><td>100</td><td>22</td></tr> <tr><td>28-650-012</td><td>M12</td><td>20</td><td>12.5</td><td>14.0</td><td>100</td><td>22</td></tr> <tr><td>28-650-014</td><td>M14</td><td>24</td><td>12.5</td><td>16.0</td><td>100</td><td>25</td></tr> <tr><td>28-650-016</td><td>M16</td><td>26</td><td>12.5</td><td>18.0</td><td>100</td><td>28</td></tr> <tr><td>28-650-020</td><td>M20</td><td>32.5</td><td>12.5</td><td>22.0</td><td>125</td><td>36</td></tr> </tbody> </table>	Code	Screw size	d1 mm	d2 mm	d mm	L	L1	28-650-003	M3	6	5	3.4	71	14	28-650-004	M4	8	5	4.5	71	14	28-650-005	M5	10	8	5.5	80	18	28-650-006	M6	11	8	6.6	80	18	28-650-008	M8	15	12.5	9.0	100	22	28-650-010	M10	18	12.5	11.0	100	22	28-650-012	M12	20	12.5	14.0	100	22	28-650-014	M14	24	12.5	16.0	100	25	28-650-016	M16	26	12.5	18.0	100	28	28-650-020	M20	32.5	12.5	22.0	125	36
Code	Screw size	d1 mm	d2 mm	d mm	L	L1																																																																								
28-650-003	M3	6	5	3.4	71	14																																																																								
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<p>Tolerance: d1 = +0.013 d = e8</p>																																																																														

Packed Weight and Dimensions

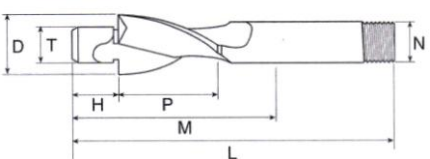
Code	Screw size	Weight g	W mm	H mm	L mm
28-650-003	M3	14	15	15	76
28-650-004	M4	16	15	15	76
28-650-005	M5	33	15	15	83
28-650-006	M6	36	19	19	83
28-650-008	M8	93	19	19	104
28-650-010	M10	106	24	24	104
28-650-012	M12	121	24	24	104
28-650-014	M14	152	27	27	104
28-650-016	M16	182	27	27	104
28-650-020	M20	310	37	37	131

Counterbores

Screwed Shank



2 Flute Screwed Shank Counterbores
 Used to produce recessed holes for cap head screws
 Material: High Speed Steel
 DIN 373



Code	Screw size	D mm	H mm	L mm	M mm	N mm	P mm	T mm
28-676-040	M4	8	5.5	65	28	6	12.5	4.3
28-676-050	M5	10	6.5	70	33	6	12.5	5.3
28-676-060	M6	11	8.0	76	39	6	12.5	6.4
28-676-080	M8	15	9.5	87.3	49	10	19.0	8.4
28-676-100	M10	18	11.0	89	51	10	19.0	10.5
28-676-120	M12	20	13.5	108	70	12	25.5	13.0

Tolerance: D = +0.013
 T = e8

Packed Weight and Dimensions

Code	Screw size	Weight g	W mm	H mm	L mm
28-676-040	M4	17	15	15	67
28-676-050	M5	18	15	15	73
28-676-060	M6	21	15	15	79
28-676-080	M8	59	18	18	91
28-676-100	M10	70	18	18	96
28-676-120	M12	120	23	23	111

Counterbores

HSS Counterbore Set DIN 373



Set Contains

4 Flute Straight Shank Counterbores
 Used to produce recessed holes for cap head screws
 Material: High Speed Steel
 DIN 373
 Sizes in Set: M3, M4, M5, M6, M8 and M10
 Housed in a metal indexing case

Code	Weight g	W mm	H mm	L mm
28-650-SET	585	110	40	160

HSS Counterbore and Pilot Drill Set



Set Contains

Six 4 Flute Straight Shank Counterbores
 Used to produce recessed holes for cap head screws
 Material: High Speed Steel
 DIN 373
 Sizes in Set: M3, M4, M5, M6, M8 and M10

Plus

6 Fully Ground Pilot Drills
 Material: High Speed Steel
 DIN 338 / BS 328
 Sizes in Set: 3.5, 4.5, 5.5, 6.5, 9.0 & 11.0mm

Set supplied in a fitted plastic case

Code	Weight g	W mm	H mm	L mm
28-653-BOX	1050	230	60	325