
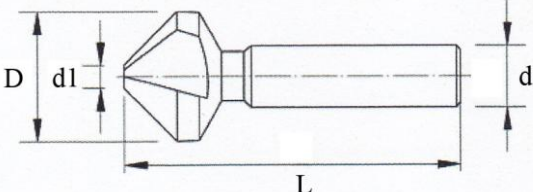


Countersinks

Countersink: 90° 3 Flute: DIN 335C


	<p>Suitable for producing 90° countersinks and deburring drilled holes</p> <p>Countersink 90°, 3Flute, Straight Shank Material: HSS</p>
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	<table border="1"> <thead> <tr> <th>Code</th> <th>D</th> <th>d</th> <th>d1</th> <th>L</th> <th>Screw</th> </tr> </thead> <tbody> <tr> <td>28-321-063</td> <td>6.3</td> <td>5</td> <td>1.5</td> <td>45</td> <td>M3</td> </tr> <tr> <td>28-321-083</td> <td>8.3</td> <td>6</td> <td>2.0</td> <td>50</td> <td>M4</td> </tr> <tr> <td>28-321-104</td> <td>10.4</td> <td>6</td> <td>2.5</td> <td>50</td> <td>M6</td> </tr> <tr> <td>28-321-124</td> <td>12.4</td> <td>8</td> <td>2.8</td> <td>56</td> <td>M8</td> </tr> <tr> <td>28-321-165</td> <td>16.5</td> <td>10</td> <td>3.2</td> <td>60</td> <td>M8</td> </tr> <tr> <td>28-321-205</td> <td>20.5</td> <td>10</td> <td>3.5</td> <td>63</td> <td>M10</td> </tr> <tr> <td>28-321-250</td> <td>25.0</td> <td>10</td> <td>3.8</td> <td>67</td> <td>M12</td> </tr> </tbody> </table>	Code	D	d	d1	L	Screw	28-321-063	6.3	5	1.5	45	M3	28-321-083	8.3	6	2.0	50	M4	28-321-104	10.4	6	2.5	50	M6	28-321-124	12.4	8	2.8	56	M8	28-321-165	16.5	10	3.2	60	M8	28-321-205	20.5	10	3.5	63	M10	28-321-250	25.0	10	3.8	67	M12
Code	D	d	d1	L	Screw																																												
28-321-063	6.3	5	1.5	45	M3																																												
28-321-083	8.3	6	2.0	50	M4																																												
28-321-104	10.4	6	2.5	50	M6																																												
28-321-124	12.4	8	2.8	56	M8																																												
28-321-165	16.5	10	3.2	60	M8																																												
28-321-205	20.5	10	3.5	63	M10																																												
28-321-250	25.0	10	3.8	67	M12																																												

Packed Weight and Dimensions


Code	D	Weight g	W mm	H mm	L mm
28-321-063	6.3	10	14	14	63
28-321-083	8.3	13	15	15	63
28-321-104	10.4	15	15	15	63
28-321-124	12.4	26	15	15	72
28-321-165	16.5	42	19	19	94
28-321-205	20.5	55	23	23	103
28-321-250	25.0	67	27	27	115

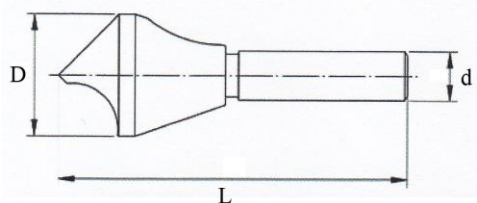
Countersink Set: 90° 3 Flute: DIN 335C

	<p>Boxed set of 90° 3 Flute: DIN 335C Countersinks Number of pieces:6 Range: 6.3 – 20.5mm Individual sizes: 6.3, 8.3, 10.4, 12.4, 16.5, &amp; 20.5mm</p> <p>Supplied in a fitted plastic case</p> <p>Packed Weight and Dimensions</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Weight g</th> <th>W mm</th> <th>H mm</th> <th>L mm</th> </tr> </thead> <tbody> <tr> <td>28-321-SET</td> <td>170</td> <td>35</td> <td>95</td> <td>70</td> </tr> </tbody> </table>	Code	Weight g	W mm	H mm	L mm	28-321-SET	170	35	95	70
Code	Weight g	W mm	H mm	L mm							
28-321-SET	170	35	95	70							

Countersinks

Countersink: 90° Zero Flute: DIN 335C


	<p>Suitable for deburring drilled holes without chatter</p> <p>Countersink 90°, Zero Flute, Straight Shank</p> <p>Material: HSS</p>
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	<table border="1"> <thead> <tr> <th>Code</th> <th>Range</th> <th>D</th> <th>d</th> <th>L</th> </tr> </thead> <tbody> <tr> <td>28-325-050</td> <td>2-5</td> <td>10</td> <td>6</td> <td>45</td> </tr> <tr> <td>28-325-100</td> <td>5-10</td> <td>14</td> <td>8</td> <td>48</td> </tr> <tr> <td>28-325-150</td> <td>10-15</td> <td>21</td> <td>10</td> <td>65</td> </tr> <tr> <td>28-325-200</td> <td>15-20</td> <td>28</td> <td>12</td> <td>85</td> </tr> <tr> <td>28-325-250</td> <td>20-25</td> <td>35</td> <td>15</td> <td>102</td> </tr> </tbody> </table>	Code	Range	D	d	L	28-325-050	2-5	10	6	45	28-325-100	5-10	14	8	48	28-325-150	10-15	21	10	65	28-325-200	15-20	28	12	85	28-325-250	20-25	35	15	102
Code	Range	D	d	L																											
28-325-050	2-5	10	6	45																											
28-325-100	5-10	14	8	48																											
28-325-150	10-15	21	10	65																											
28-325-200	15-20	28	12	85																											
28-325-250	20-25	35	15	102																											

Packed Weight and Dimensions


Code	Range	Weight g	W mm	H mm	L mm
28-325-050	2-5	13	14	14	63
28-325-100	5-10	29	19	19	83
28-325-150	10-15	50	19	19	83
28-325-200	15-20	136	29	29	124
28-325-250	20-25	256	47	47	104

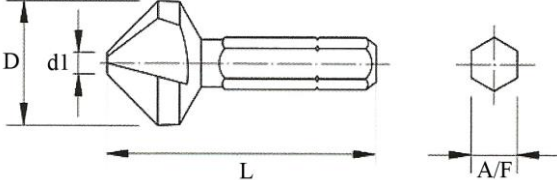
Countersink Set: 90° Zero Flute: DIN 335C

	<p>Boxed set of 90° Zero Flute: DIN 335C Countersinks</p> <p>Number of pieces:4</p> <p>Range: 2 – 20mm</p> <p>Individual sizes: 2-5, 5-10, 10-15, &amp; 15-20mm</p> <p>Supplied in a fitted plastic case</p> <p>Packed Weight and Dimensions</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Weight g</th> <th>W mm</th> <th>H mm</th> <th>L mm</th> </tr> </thead> <tbody> <tr> <td>28-325-SET</td> <td>240</td> <td>45</td> <td>95</td> <td>80</td> </tr> </tbody> </table>	Code	Weight g	W mm	H mm	L mm	28-325-SET	240	45	95	80
Code	Weight g	W mm	H mm	L mm							
28-325-SET	240	45	95	80							

Countersinks

Countersink: 90° Hex Shank: DIN 335C


	<p>Suitable for producing 90° countersinks and deburring drilled holes</p> <p>Countersink 90°, 3Flute, Hex. Shank Material: HSS</p>
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	<table border="1"> <thead> <tr> <th>Code</th> <th>D</th> <th>A/F</th> <th>d1</th> <th>L</th> </tr> </thead> <tbody> <tr> <td>28-328-263</td> <td>6.3</td> <td>6.35</td> <td>1.5</td> <td>31</td> </tr> <tr> <td>28-328-283</td> <td>8.3</td> <td>6.35</td> <td>2.0</td> <td>32</td> </tr> <tr> <td>28-328-304</td> <td>10.4</td> <td>6.35</td> <td>2.5</td> <td>34</td> </tr> <tr> <td>28-328-324</td> <td>12.4</td> <td>6.35</td> <td>2.8</td> <td>35</td> </tr> <tr> <td>28-328-365</td> <td>16.5</td> <td>6.35</td> <td>3.2</td> <td>40</td> </tr> <tr> <td>28-328-405</td> <td>20.5</td> <td>6.35</td> <td>3.5</td> <td>40</td> </tr> </tbody> </table>	Code	D	A/F	d1	L	28-328-263	6.3	6.35	1.5	31	28-328-283	8.3	6.35	2.0	32	28-328-304	10.4	6.35	2.5	34	28-328-324	12.4	6.35	2.8	35	28-328-365	16.5	6.35	3.2	40	28-328-405	20.5	6.35	3.5	40
Code	D	A/F	d1	L																																
28-328-263	6.3	6.35	1.5	31																																
28-328-283	8.3	6.35	2.0	32																																
28-328-304	10.4	6.35	2.5	34																																
28-328-324	12.4	6.35	2.8	35																																
28-328-365	16.5	6.35	3.2	40																																
28-328-405	20.5	6.35	3.5	40																																

Packed Weight and Dimensions


Cod27e	D	Weight g	W mm	H mm	L mm
28-328-263	6.3	10	15	15	63
28-328-283	8.3	11	15	15	63
28-328-304	10.4	12	15	15	63
28-328-324	12.4	15	19	19	63
28-328-365	16.5	23	19	19	95
28-328-405	20.5	36	28	28	100

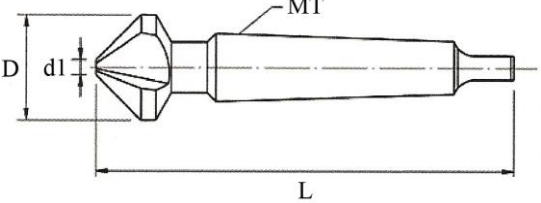
Countersink Set: 90° Hex Shank: DIN 335C

	<p>Boxed set of 90° Hex Shank: DIN 335C Countersinks Number of pieces:6 Range: 6.3 – 20.5mm Individual sizes: 6.3, 8.3, 10.4, 12.4, 16.5, &amp; 20.5mm</p> <p>Supplied if a fitted wood case</p> <p>Packed Weight and Dimensions</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Weight g</th> <th>W mm</th> <th>H mm</th> <th>L mm</th> </tr> </thead> <tbody> <tr> <td>28-328-SET</td> <td>220</td> <td>50</td> <td>45</td> <td>130</td> </tr> </tbody> </table>	Code	Weight g	W mm	H mm	L mm	28-328-SET	220	50	45	130
Code	Weight g	W mm	H mm	L mm							
28-328-SET	220	50	45	130							

Countersinks

Countersink: 90° Morse Taper Shank: DIN 335D


	<p>Suitable for producing 90° countersinks and deburring drilled holes</p> <p>Countersink 90°, 3Flute, Morse Taper Shank Material: HSS</p>
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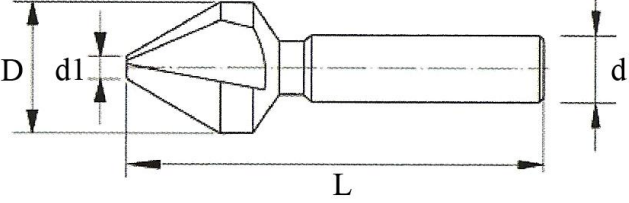
	<table border="1"> <thead> <tr> <th>Code</th> <th>D</th> <th>MT</th> <th>d1</th> <th>L</th> <th>Screw</th> </tr> </thead> <tbody> <tr> <td>28-343-165</td> <td>16.5</td> <td>1</td> <td>3.1</td> <td>85</td> <td>M8</td> </tr> <tr> <td>28-343-205</td> <td>20.5</td> <td>2</td> <td>3.5</td> <td>100</td> <td>M10</td> </tr> <tr> <td>28-343-250</td> <td>25.0</td> <td>2</td> <td>3.8</td> <td>106</td> <td>M12</td> </tr> <tr> <td>28-343-310</td> <td>31.0</td> <td>2</td> <td>4.2</td> <td>112</td> <td>M16</td> </tr> <tr> <td>28-343-400</td> <td>40.0</td> <td>3</td> <td>10.0</td> <td>140</td> <td>M24</td> </tr> <tr> <td>28-343-500</td> <td>50.0</td> <td>3</td> <td>14.0</td> <td>150</td> <td>----</td> </tr> <tr> <td>28-343-630</td> <td>63.0</td> <td>4</td> <td>16.0</td> <td>180</td> <td>----</td> </tr> </tbody> </table>	Code	D	MT	d1	L	Screw	28-343-165	16.5	1	3.1	85	M8	28-343-205	20.5	2	3.5	100	M10	28-343-250	25.0	2	3.8	106	M12	28-343-310	31.0	2	4.2	112	M16	28-343-400	40.0	3	10.0	140	M24	28-343-500	50.0	3	14.0	150	----	28-343-630	63.0	4	16.0	180	----
Code	D	MT	d1	L	Screw																																												
28-343-165	16.5	1	3.1	85	M8																																												
28-343-205	20.5	2	3.5	100	M10																																												
28-343-250	25.0	2	3.8	106	M12																																												
28-343-310	31.0	2	4.2	112	M16																																												
28-343-400	40.0	3	10.0	140	M24																																												
28-343-500	50.0	3	14.0	150	----																																												
28-343-630	63.0	4	16.0	180	----																																												

Packed Weight and Dimensions

Code	D	Weight g	W mm	H mm	L mm
28-343-165	16.5	71	27	27	100
28-343-205	20.5	156	24	24	104
28-343-250	25.0	177	31	31	114
28-343-310	31.0	222	37	37	123
28-343-400	40.0	479	48	48	144
28-343-500	50.0	628	48	48	156
28-343-630	63.0	1235	63	63	210

Countersink: 60° 3 Flute: DIN 334C

	<p>Suitable for producing 60° countersinks and deburring drilled holes</p> <p>Countersink 60°, 3Flute, Straight Shank Material: HSS</p>
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Code	D	d	D1	L																																					
28-324-063	6.3	5	1.6	45																																					
28-324-083	8.3	6	2.0	50																																					
28-324-104	10.4	6	2.5	50																																					
28-324-124	12.4	8	3.2	56																																					
28-324-165	16.5	10	4.0	63																																					
28-324-205	20.5	10	5.0	67																																					
28-324-250	25.0	10	6.3	71																																					

Packed Weight and Dimensions

Code	D	Weight g	W mm	H mm	L mm
28-324-063	6.3	10	15	15	63
28-324-083	8.3	15	15	15	63
28-324-104	10.4	20	15	15	63
28-324-124	12.4	28	24	24	106
28-324-165	16.5	40	24	24	106
28-324-205	20.5	57	24	24	106
28-324-250	25.0	74	28	28	119