

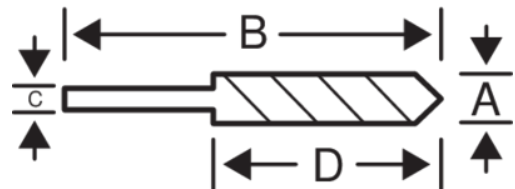


4511

Cobalt HSS-E Drill Bits for Metal with Industrial Pack

PRODUCT DETAILS


- Size range 0.5 mm to 20 mm
- Top angle of 135° with self-centring split-point tip for quick cutting and perfect centring
- Drill bits have a cylindrical shank (shank equal to drill bit diameter) and are designed for use in drill stands and drill drivers
- The cobalt high-speed steel (HSS) provides long-lasting high performance when drilling in stainless-steel materials
- Cobalt drills work well in alloyed/non-alloyed steel, stainless-steel, cast iron, cast steel and acid- and heat-resistant steels
- Manufactured to DIN 338 N
- High-speed steel (HSS) with 5% Cobalt
- Long lasting performance
- Top angle 135°
- Split-Point
- Ground flutes enables fast drilling and high precision
- DIN 338N
- Industry pack



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PRODUCT ATTRIBUTES

| Product | A | B | C | D |  g |
|---------------|----------|--------|----------|--------|---|
| 4511-0.50-10P | 0.50 mm | 22 mm | 0.50 mm | 6 mm | 12 g |
| 4511-0.75-10P | 0.75 mm | 28 mm | 0.75 mm | 9 mm | 13 g |
| 4511-1.00-10P | 1.00 mm | 34 mm | 1.00 mm | 12 mm | 15 g |
| 4511-1.50-10P | 1.50 mm | 40 mm | 1.50 mm | 18 mm | 17 g |
| 4511-1.75-10P | 1.75 mm | 46 mm | 1.75 mm | 22 mm | 20 g |
| 4511-2.00-10P | 2.00 mm | 49 mm | 2.00 mm | 24 mm | 33 g |
| 4511-2.50-10P | 2.50 mm | 57 mm | 2.50 mm | 30 mm | 41 g |
| 4511-2.70-10P | 2.70 mm | 61 mm | 2.70 mm | 33 mm | 50 g |
| 4511-2.90-10P | 2.90 mm | 61 mm | 2.90 mm | 33 mm | 50 g |
| 4511-3.00-10P | 3.00 mm | 61 mm | 3.00 mm | 33 mm | 50 g |
| 4511-3.10-10P | 3.10 mm | 65 mm | 3.10 mm | 36 mm | 54 g |
| 4511-3.25-10P | 3.25 mm | 65 mm | 3.25 mm | 36 mm | 57 g |
| 4511-3.30-10P | 3.30 mm | 65 mm | 3.30 mm | 36 mm | 64 g |
| 4511-3.50-10P | 3.50 mm | 70 mm | 3.50 mm | 39 mm | 74 g |
| 4511-3.80-10P | 3.80 mm | 75 mm | 3.80 mm | 43 mm | 86 g |
| 4511-4.00-10P | 4.00 mm | 75 mm | 4.00 mm | 43 mm | 94 g |
| 4511-4.20-10P | 4.20 mm | 75 mm | 4.20 mm | 43 mm | 100 g |
| 4511-4.50-10P | 4.50 mm | 80 mm | 4.50 mm | 47 mm | 115 g |
| 4511-4.80-10P | 4.80 mm | 86 mm | 4.80 mm | 52 mm | 130 g |
| 4511-5.00-10P | 5.00 mm | 86 mm | 5.00 mm | 52 mm | 140 g |
| 4511-5.20-10P | 5.20 mm | 86 mm | 5.20 mm | 52 mm | 180 g |
| 4511-5.50-10P | 5.50 mm | 93 mm | 5.50 mm | 57 mm | 195 g |
| 4511-6.00-10P | 6.00 mm | 93 mm | 6.00 mm | 57 mm | 220 g |
| 4511-6.20-10P | 6.20 mm | 101 mm | 6.20 mm | 63 mm | 250 g |
| 4511-6.50-10P | 6.50 mm | 101 mm | 6.50 mm | 63 mm | 265 g |
| 4511-6.80-10P | 6.80 mm | 109 mm | 6.80 mm | 69 mm | 300 g |
| 4511-7.00-10P | 7.00 mm | 109 mm | 7.00 mm | 69 mm | 315 g |
| 4511-7.20-10P | 7.20 mm | 109 mm | 7.20 mm | 69 mm | 330 g |
| 4511-7.50-10P | 7.50 mm | 109 mm | 7.50 mm | 69 mm | 350 g |
| 4511-7.80-10P | 7.80 mm | 117 mm | 7.80 mm | 75 mm | 440 g |
| 4511-8.00-10P | 8.00 mm | 117 mm | 8.00 mm | 75 mm | 460 g |
| 4511-8.50-10P | 8.50 mm | 117 mm | 8.50 mm | 75 mm | 500 g |
| 4511-8.60-10P | 8.60 mm | 125 mm | 8.60 mm | 81 mm | 540 g |
| 4511-8.80-10P | 8.80 mm | 125 mm | 8.80 mm | 81 mm | 560 g |
| 4511-9.00-10P | 9.00 mm | 125 mm | 9.00 mm | 81 mm | 585 g |
| 4511-9.20-10P | 9.20 mm | 125 mm | 9.20 mm | 81 mm | 595 g |
| 4511-9.50-10P | 9.50 mm | 125 mm | 9.50 mm | 81 mm | 640 g |
| 4511-9.60-10P | 9.60 mm | 133 mm | 9.60 mm | 87 mm | 680 g |
| 4511-10.00-5P | 10.00 mm | 133 mm | 10.00 mm | 87 mm | 365 g |
| 4511-10.20-5P | 10.20 mm | 133 mm | 10.20 mm | 87 mm | 380 g |
| 4511-10.30-5P | 10.30 mm | 133 mm | 10.30 mm | 87 mm | 385 g |
| 4511-10.50-5P | 10.50 mm | 133 mm | 10.50 mm | 87 mm | 400 g |
| 4511-10.80-5P | 10.80 mm | 142 mm | 10.80 mm | 94 mm | 430 g |
| 4511-11.00-5P | 11.00 mm | 142 mm | 11.00 mm | 94 mm | 445 g |
| 4511-11.50-5P | 11.50 mm | 142 mm | 11.50 mm | 94 mm | 485 g |
| 4511-12.00-5P | 12.00 mm | 151 mm | 12.00 mm | 101 mm | 550 g |
| 4511-12.50-5P | 12.50 mm | 151 mm | 12.50 mm | 101 mm | 560 g |
| 4511-12.80-5P | 12.80 mm | 151 mm | 12.80 mm | 101 mm | 595 g |
| 4511-13.00-5P | 13.00 mm | 151 mm | 13.00 mm | 101 mm | 615 g |
| 4511-13.50-1P | 13.50 mm | 160 mm | 13.50 mm | 108 mm | 155 g |
| 4511-14.00-1P | 14.00 mm | 160 mm | 14.00 mm | 108 mm | 160 g |
| 4511-14.50-1P | 14.50 mm | 169 mm | 14.50 mm | 114 mm | 190 g |
| 4511-15.00-1P | 15.00 mm | 169 mm | 15.00 mm | 114 mm | 200 g |
| 4511-15.50-1P | 15.50 mm | 169 mm | 15.50 mm | 120 mm | 230 g |
| 4511-16.00-1P | 16.00 mm | 178 mm | 16.00 mm | 120 mm | 230 g |
| 4511-16.50-1P | 16.50 mm | 184 mm | 16.50 mm | 125 mm | 245 g |
| 4511-17.00-1P | 17.00 mm | 184 mm | 17.00 mm | 125 mm | 260 g |
| 4511-17.50-1P | 17.50 mm | 191 mm | 17.50 mm | 130 mm | 290 g |
| 4511-18.00-1P | 18.00 mm | 191 mm | 18.00 mm | 130 mm | 300 g |
| 4511-18.50-1P | 18.50 mm | 198 mm | 18.50 mm | 135 mm | 325 g |
| 4511-19.00-1P | 19.00 mm | 198 mm | 19.00 mm | 135 mm | 355 g |
| 4511-19.50-1P | 19.50 mm | 205 mm | 19.50 mm | 140 mm | 365 g |
| 4511-20.00-1P | 20.00 mm | 205 mm | 20.00 mm | 140 mm | 385 g |

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