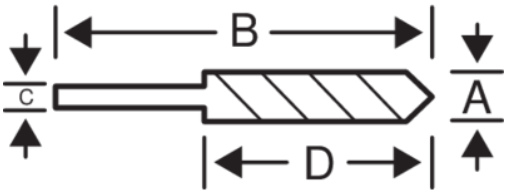
4511
Cobalt HSS-E Drill Bits for Metal with Industrial Pack

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



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
4511-11.00-5P	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