



GROUP	JOB	JOB	DELT	JOB
SURFACE FINISH	BRIGHT	BRIGHT	BRIGHT	BRONZE
MATERIAL	M2-HSS	M2-HSS	M2-HSS	Cobalt HSS-Co5
POINT TYPE	118° SPLIT POINT*	118° SPLIT POINT*	DELTA POINT**	135° SPLIT POINT†
FLUTE TYPE	30° HELIX	30° HELIX	30° HELIX	30° HELIX
PACKAGING	CLAM SHELL	CLAM SHELL	CLAM SHELL	CLAM SHELL



BRIGHT FINISH
A bright finish tool has no surface treatment and is supplied in the as-ground condition. These tools are suitable for general purpose use, particularly for non-ferrous applications.



BLACK FINISH
(also called blue finish)
A black finish is achieved by steam tempering, a thermal process resulting in a porous tool coating. This surface helps to keep lubricant on the tool, particularly important on the cutting edges, thus reducing friction and cold welding. The result is increased tool life. Black finish tools are generally recommended for ferrous applications where the oxide layer aids chip flow and heat dissipation.



BRIGHT FINISH
A bright finish tool has no surface treatment and is supplied in the as-ground condition. Delta Point drills have a multi-faceted cutting tip. The overall length of the cutting edge of Delta Point significantly exceeds that of conventional split point drills of comparable size. Drills 2 times faster, lasts 10 times longer! DRILLS FASTER LASTS LONGER



BRONZE FINISH
(gold oxide)
This metallic brown coloured low temperature temper treatment is normally only used on cobalt tools for identification purposes. Cobalt HSS drills are extremely hard and provide superior performance and increased tool life especially in stainless steel and high tensile steel.

DIA MM	FL MM	OAL MM	CLAM QTY	\$ CLAM	PART NUMBER	CLAM QTY	\$ CLAM	PART NUMBER	CLAM QTY	\$ CLAM	PART NUMBER	CLAM QTY	\$ CLAM	PART NUMBER
1.00	12	34	2		2007-1.00S	10		2007-1.00TP	2		2015-1.00S	2		2011-1.00S
1.50	18	40	2		2007-1.50S	10		2007-1.50TP	2		2015-1.50S	2		2011-1.50S
2.00	24	49	2		2007-2.00S	10		2007-2.00TP	2		2015-2.00S	2		2011-2.00S
2.50	30	57	2		2007-2.50S	10		2007-2.50TP	2		2015-2.50S	2		2011-2.50S
2.60	30	57	2		2007-2.60S									
2.90	33	61	2		2007-2.90S									
3.00	33	61	2		2007-3.00S	10		2007-3.00TP	2		2015-3.00S	2		2011-3.00S
3.20	36	65	2		2007-3.20S									
3.30	36	65	1		2007-3.30S									
3.50	39	70	1		2007-3.50S	10		2007-3.50TP	1		2015-3.50S	1		2011-3.50S
3.70	39	70	1		2007-3.70S									
3.90	43	75	1		2007-3.90S									
4.00	43	75	1		2007-4.00S	10		2007-4.00TP	1		2015-4.00S	1		2011-4.00S
4.10	43	75	1		2007-4.10S									
4.20	43	75	1		2007-4.20S									
4.50	47	80	1		2007-4.50S	5		2007-4.50TP	1		2015-4.50S	1		2011-4.50S
4.70	47	80	1		2007-4.70S									
5.00	52	86	1		2007-5.00S	5		2007-5.00TP	1		2015-5.00S	1		2011-5.00S
5.10	52	86	1		2007-5.10S									
5.50	57	93	1		2007-5.50S	5		2007-5.50TP	1		2015-5.50S	1		2011-5.50S
6.00	57	93	1		2007-6.00S	5		2007-6.00TP	1		2015-6.00S	1		2011-6.00S
6.50	63	101	1		2007-6.50S	5		2007-6.50TP	1		2015-6.50S	1		2011-6.50S
6.60	63	101	1		2007-6.60S									
6.80	69	109	1		2007-6.80S									
6.90	69	109	1		2007-6.90S									
7.00	69	109	1		2007-7.00S				1		2015-7.00S	1		2011-7.00S
7.50	69	109	1		2007-7.50S				1		2015-7.50S	1		2011-7.50S
7.90	75	117	1		2007-7.90S									
8.00	75	117	1		2007-8.00S				1		2015-8.00S	1		2011-8.00S
8.40	75	117	1		2007-8.40S									
8.50	75	117	1		2007-8.50S				1		2015-8.50S	1		2011-8.50S
8.70	81	125	1		2007-8.70S									
8.80	81	125	1		2007-8.80S									
9.00	81	125	1		2007-9.00S				1		2015-9.00S	1		2011-9.00S
9.30	81	125	1		2007-9.30S									
9.40	81	125	1		2007-9.40S									
9.50	81	125	1		2007-9.50S				1		2015-9.50S	1		2011-9.50S
9.90	87	133	1		2007-9.90S									
10.00	87	133	1		2007-10.00S				1		2015-10.00S	1		2011-10.00S
10.20	87	133	1		2007-10.20S									
10.50	87	133	1		2007-10.50S				1		2015-10.50S	1		2011-10.50S
10.80	94	142	1		2007-10.80S									
11.00	94	142	1		2007-11.00S				1		2015-11.00S	1		2011-11.00S
11.10	94	142	1		2007-11.10S									
11.20	94	142	1		2007-11.20S									
11.50	94	142	1		2007-11.50S				1		2015-11.50S	1		2011-11.50S
11.80	94	142	1		2007-11.80S									
12.00	101	151	1		2007-12.00S				1		2015-12.00S	1		2011-12.00S
12.20	101	151	1		2007-12.20S									
12.50	101	151	1		2007-12.50S				1		2015-12.50S	1		2011-12.50S
12.80	101	151	1		2007-12.80S									
12.90	101	151	1		2007-12.90S									
13.00	101	151	1		2007-13.00S				1		2015-13.00S	1		2011-13.00S

* Sizes 3.40mm, 1/8" and below are 118° standard chisel point. ** Sizes 2.5mm and below are 135° standard chisel point. † 1.00mm, 1.50mm and 1/16" are 135° standard chisel point.