


# COBALT TAPER SHANK DRILLS

ICS USA

HEAVY DUTY

135° SPLIT POINT

ITEM NO.	ILLUSTRATION	CUTTING APPLICATION	STEEL SPECS	TECHNICAL DATA
<b>TSD-C</b>	 GOLD COBALT FINISH	For drilling in hard steels, stainless steels and other hard materials. The split point is self centering and breaks up chips.	M42	135° Split Point or Notched Point

## Fractional Sizes (Regular & Oversize Shanks) 1/4" to 2" Dia.

COBALT GOLD FINISH 135° S/P TSD-C				
SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	
<b>#1 MT SHANK</b>				
1/4	.2500	2-7/8	6-1/8	28.34
9/32	.2812	3	6-1/4	31.86
5/16	.3125	3-1/8	6-3/8	31.86
11/32	.3437	3-1/4	6-1/2	37.38
<b>#2 MT SHANK</b>				
3/8	.3750	3-1/2	7-3/8	43.26
13/32	.4062	3-5/8	7-1/2	45.92
7/16	.4375	3-7/8	7-3/4	49.56
15/32	.4687	4-1/8	8	53.06
31/64	.4844	4-3/8	8-1/4	58.60
1/2	.5000	4-3/8	8-1/4	54.92
33/64	.5156	4-5/8	8-1/2	67.16
17/32	.5312	4-5/8	8-1/2	62.38
35/64	.5469	4-7/8	8-3/4	70.26
9/16	.5625	4-7/8	8-3/4	65.24
37/64	.5781	4-7/8	8-3/4	74.56
19/32	.5937	4-7/8	8-3/4	72.56
39/64	.6094	4-7/8	8-3/4	82.18
5/8	.6250	4-7/8	8-3/4	74.22

COBALT GOLD FINISH 135° S/P TSD-C				
SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	
<b>#3 MT SHANK</b>				
41/64	.6406	5-1/8	9-3/4	93.98
21/32	.6562	5-1/8	9-3/4	84.90
43/64	.6719	5-3/8	10	100.40
11/16	.6875	5-3/8	10	90.72
45/64	.7031	5-5/8	10-1/4	109.50
23/32	.7187	5-5/8	10-1/4	100.80
47/64	.7344	5-7/8	10-1/2	111.16
3/4	.7500	5-7/8	10-1/2	105.18
49/64	.7656	6	10-5/8	119.12
25/32	.7812	6	10-5/8	110.64
51/64	.7969	6-1/8	10-3/4	126.42
13/16	.8125	6-1/8	10-3/4	114.20
53/64	.8281	6-1/8	10-3/4	147.28
27/32	.8437	6-1/8	10-3/4	135.62
55/64	.8594	6-1/8	10-3/4	147.26
7/8	.8750	6-1/8	10-3/4	135.62
57/64	.8906	6-1/8	10-3/4	147.26
29/32	.9062	6-1/8	10-3/4	133.06
59/64	.9219	6-1/8	10-3/4	173.14
15/16	.9375	6-1/8	10-3/4	156.42


COBALT GOLD FINISH 135° S/P TSD-C				
SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	
<b>#3 MT SHANK</b>				
61/64	.9531	6-3/8	11	196.00
31/32	.9687	6-3/8	11	185.50
63/64	.9844	6-3/8	11	190.62
1	1.0000	6-3/8	11	177.00
<b>#4 MT SHANK</b>				
1-1/32	1.0312	6-1/2	12-1/8	237.52
1-1/16	1.0625	6-5/8	12-1/4	226.76
1-3/32	1.0937	6-7/8	12-1/2	259.72
1-1/8	1.1250	7-1/8	12-3/4	248.18
1-5/32	1.1562	7-1/4	12-7/8	294.70
1-3/16	1.1875	7-3/8	13	281.32
1-7/32	1.2187	7-1/2	13-1/8	335.82
1-1/4	1.2500	7-7/8	13-1/2	326.68
1-5/16	1.3125	8-5/8	15-5/8	391.66
1-3/8	1.3750	8-7/8	15-7/8	421.06
1-7/16	1.4375	9-1/8	16-1/8	497.72
1-1/2	1.5000	9-3/8	16-3/8	534.46
1-5/8	1.6250	10	17	628.96
1-3/4	1.7500	10-1/8	17-1/8	787.50
2	2.0000	10-3/8	17-3/8	960.76

## CARBIDE TIPPED TAPER SHANK DRILLS

ICS USA

SPECIAL PURPOSE

118° POINT

ITEM NO.	ILLUSTRATION	CUTTING APPLICATION	STEEL SPECS	TECHNICAL DATA
<b>CTTSD</b>	 BRIGHT POLISHED FINISH	For production drilling of cast iron, non-ferrous metals, and non-metals. They are recommended for drilling steel or other ferrous metals.	M1 (Body) CARBIDE TIPPED	118° Std. Spiral Std. Web

## Fractional Sizes (Regular MT Shank) 1/4" to 1-1/4" Dia.

CARB. TIPPED BRIGHT FINISH 118° PT CTTSD				
SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	
<b>#1 MT SHANK</b>				
1/4	.2500	2-7/8	6-1/8	-
9/32	.2812	3	6-1/4	-
5/16	.3125	3-1/8	6-3/8	-
11/32	.3438	3-1/4	6-1/2	CALL
3/8	.3750	3-1/2	6-3/4	FOR PRICE
13/32	.4062	3-5/8	7	PRICE
7/16	.4375	3-7/8	7-1/4	-
15/32	.4688	4-1/8	7-1/2	-

CARB. TIPPED BRIGHT FINISH 118° PT CTTSD				
SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	
<b>#2 MT SHANK</b>				
1/2	.5000	4-3/8	8-1/4	-
17/32	.5312	4-5/8	8-1/2	-
9/16	.5625	4-7/8	8-3/4	-
19/32	.5938	4-7/8	8-3/4	CALL
5/8	.6250	4-7/8	8-3/4	FOR PRICE
21/32	.6562	5-1/8	9	PRICE
11/16	.6875	5-3/8	9-1/4	-
23/32	.7188	5-5/8	9-1/2	-
3/4	.7500	5-7/8	9-3/4	-
25/32	.7812	6	9-7/8	-

CARB. TIPPED BRIGHT FINISH 118° PT CTTSD				
SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	
<b>#3 MT SHANK</b>				
13/16	.8125	6-1/8	10-3/4	-
27/32	.8435	6-1/8	10-3/4	-
7/8	.8750	6-1/8	10-3/4	CALL
29/32	.9062	6-1/8	10-3/4	FOR PRICE
15/16	.9375	6-1/8	10-3/4	PRICE
31/32	.9688	6-3/8	11	-
1	1.0000	6-3/8	11	-
<b>#4 MT SHANK</b>				
1-1/16	1.0625	6-5/8	11-1/4	CALL
1-1/8	1.1250	7-1/8	12-3/4	FOR PRICE
1-3/16	1.1875	7-3/8	13	PRICE
1-1/4	1.2500	7-7/8	13-1/2	-

Other sizes available. Please inquire for price and delivery.