


HIGH SPEED STEEL  
**METRIC TAPER SHANK DRILLS**

ICS USA

GENERAL PURPOSE

118° POINT

ITEM NO.	ILLUSTRATION	CUTTING APPLICATION	STEEL SPECS	TECHNICAL DATA
<b>TSD-M</b>	 OXIDE FINISH	Taper Shank Drills have a tapered conical shank to fit directly into the tapered holes of drill press spindles, driving sleeves or sockets. They are designed for general purpose drilling in ferrous or non-ferrous metals.	M2	118° Point Std. Spiral Std. Web

**Metric Sizes (Regular Shank) 3.00mm to 22.50mm Dia.**

SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	ITEM NO.	PRICE
<b>#1 MT SHANK</b>					
3.00	.1181	1-5/16	4-1/2	<b>TSD-M03.0</b>	15.60
3.20	.1260	1-7/16	4-5/8	<b>TSD-M03.2</b>	16.30
3.50	.1378	1-17/32	4-3/4	<b>TSD-M03.5</b>	16.30
3.80	.1496	1-11/16	4-27/32	<b>TSD-M03.8</b>	16.30
4.00	.1575	1-11/16	4-27/32	<b>TSD-M04.0</b>	16.30
4.20	.1654	1-11/16	4-27/32	<b>TSD-M04.2</b>	16.30
4.50	.1772	1-27/32	5-1/32	<b>TSD-M04.5</b>	13.80
4.80	.1890	2-1/16	5-1/4	<b>TSD-M04.8</b>	13.80
5.00	.1969	2-1/16	5-1/4	<b>TSD-M05.0</b>	13.80
5.20	.2047	2-1/16	5-1/4	<b>TSD-M05.2</b>	13.80
5.50	.2165	2-1/4	5-7/16	<b>TSD-M05.5</b>	13.80
5.80	.2283	2-1/4	5-7/16	<b>TSD-M05.8</b>	13.80
6.00	.2362	2-1/4	5-7/16	<b>TSD-M06.0</b>	13.80
6.20	.2441	2-1/2	5-11/16	<b>TSD-M06.2</b>	13.80
6.50	.2559	2-1/2	5-11/16	<b>TSD-M06.5</b>	13.80
6.80	.2677	2-23/32	5-29/32	<b>TSD-M06.8</b>	15.60
7.00	.2756	2-23/32	5-29/32	<b>TSD-M07.0</b>	15.60
7.20	.2835	2-23/32	5-29/32	<b>TSD-M07.2</b>	16.68
7.40	.2913	2-23/32	5-29/32	<b>TSD-M07.4</b>	20.80
7.50	.2953	2-23/32	5-29/32	<b>TSD-M07.5</b>	16.68
7.80	.3071	2-15/16	6-1/8	<b>TSD-M07.8</b>	18.98
8.00	.3150	2-15/16	6-1/8	<b>TSD-M08.0</b>	22.52
8.20	.3228	2-15/16	6-1/8	<b>TSD-M08.2</b>	23.84
8.50	.3346	2-15/16	6-1/8	<b>TSD-M08.5</b>	23.84
8.80	.3465	3-3/16	6-3/8	<b>TSD-M08.8</b>	27.22
9.00	.3543	3-3/16	6-3/8	<b>TSD-M09.0</b>	27.22
9.20	.3622	3-3/16	6-3/8	<b>TSD-M09.2</b>	27.22
9.50	.3740	3-3/16	6-3/8	<b>TSD-M09.5</b>	28.96
9.70	.3819	3-7/16	6-5/8	<b>TSD-M09.7</b>	28.96
9.80	.3858	3-7/16	6-5/8	<b>TSD-M09.8</b>	28.96
10.00	.3937	3-7/16	6-5/8	<b>TSD-M10.0</b>	29.58
10.20	.4016	3-7/16	6-5/8	<b>TSD-M10.2</b>	29.58
10.25	.4075	3-7/16	6-5/8	<b>TSD-M10.25</b>	33.60
10.50	.4134	3-7/16	6-5/8	<b>TSD-M10.5</b>	30.84
10.80	.4252	3-11/16	6-7/8	<b>TSD-M10.8</b>	30.84
11.00	.4331	3-11/16	6-7/8	<b>TSD-M11.0</b>	30.84

SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	ITEM NO.	PRICE
<b>#1 MT SHANK</b>					
11.20	.4409	3-11/16	6-7/8	<b>TSD-M11.2</b>	32.92
11.50	.4528	3-11/16	6-7/8	<b>TSD-M11.5</b>	32.92
11.80	.4646	3-11/16	6-7/8	<b>TSD-M11.8</b>	32.92
12.00	.4724	3-31/32	7-5/32	<b>TSD-M12.0</b>	32.92
12.20	.4803	3-31/32	7-5/32	<b>TSD-M12.2</b>	39.58
12.50	.4921	3-31/32	7-5/32	<b>TSD-M12.5</b>	39.58
12.80	.5039	3-31/32	7-5/32	<b>TSD-M12.8</b>	39.58
13.00	.5118	3-31/32	7-5/32	<b>TSD-M13.0</b>	39.58
13.20	.5197	4-1/4	7-7/16	<b>TSD-M13.2</b>	44.36
13.50	.5315	4-1/4	7-7/16	<b>TSD-M13.5</b>	44.36
13.80	.5433	4-1/4	7-7/16	<b>TSD-M13.8</b>	44.36
14.00	.5512	4-1/4	7-7/16	<b>TSD-M14.0</b>	44.36
<b>#2 MT SHANK</b>					
14.25	.5610	4-1/2	8-3/8	<b>TSD-M14.25</b>	48.16
14.50	.5709	4-1/2	8-3/8	<b>TSD-M14.5</b>	48.16
14.75	.5807	4-1/2	8-3/8	<b>TSD-M14.75</b>	48.16
15.00	.5906	4-1/2	8-3/8	<b>TSD-M15.0</b>	48.16
15.25	.6004	4-3/4	8-5/8	<b>TSD-M15.25</b>	50.46
15.50	.6102	4-3/4	8-5/8	<b>TSD-M15.5</b>	50.46
15.75	.6201	4-3/4	8-5/8	<b>TSD-M15.75</b>	52.68
16.00	.6299	4-3/4	8-5/8	<b>TSD-M16.0</b>	52.68
16.25	.6398	4-7/8	8-3/4	<b>TSD-M16.25</b>	52.68
16.50	.6496	4-7/8	8-3/4	<b>TSD-M16.5</b>	54.34
16.75	.6594	4-7/8	8-3/4	<b>TSD-M16.75</b>	54.34
17.00	.6693	4-7/8	8-3/4	<b>TSD-M17.0</b>	54.34
17.25	.6791	5-1/8	9	<b>TSD-M17.25</b>	58.90
17.50	.6890	5-1/8	9	<b>TSD-M17.5</b>	59.30
18.00	.7087	5-1/8	9	<b>TSD-M18.0</b>	59.30
18.50	.7283	5-1/4	9-1/8	<b>TSD-M18.5</b>	63.16
19.00	.7480	5-1/4	9-1/8	<b>TSD-M19.0</b>	63.16
19.50	.7677	5-1/2	9-3/8	<b>TSD-M19.5</b>	79.14
20.00	.7874	5-1/2	9-3/8	<b>TSD-M20.0</b>	79.14
20.50	.8071	5-3/4	9-5/8	<b>TSD-M20.5</b>	85.48
21.00	.8268	5-3/4	9-5/8	<b>TSD-M21.0</b>	85.48
21.50	.8465	5-7/8	9-3/4	<b>TSD-M21.5</b>	91.86
22.00	.8661	5-7/8	9-3/4	<b>TSD-M22.0</b>	91.86
22.50	.8858	6-1/8	10	<b>TSD-M22.5</b>	95.04