



# HIGH SPEED STEEL TAPER SHANK DRILLS

ICS USA

HEAVY DUTY

135° SPLIT POINT

ITEM NO.	ILLUSTRATION	CUTTING APPLICATION	STEEL SPECS	TECHNICAL DATA
<b>TSD-H</b>	 OXIDE FINISH	This drill was designed for drilling work hardening 300 series stainless steels (except 303). Special thin web will penetrate work hardening stainless fast enough to cut beneath the chip which is hardening from deformation.	M2	135° Split Pt. Std. Spiral Special Web
<b>TSD-HT</b>	 GOLD TITANIUM COATED	This combination of titanium nitride coating with the heavy duty design enhances chip flow, finished hole quality and up to 700% more drill life.	M2	135° Split Pt. Std. Spiral Special Web

## Fractional Sizes (Regular MT Shank) 1/2" to 1" Dia.

SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	HSS		TiN COATED	
				OXIDE FINISH		GOLD FINISH	
				135° S/P	135° S/P	TSD-H	TSD-HT
<b>#2 MT SHANK</b>							
1/2	.5000	4-3/8	8-1/4	34.66	79.70		
33/64	.5156	4-5/8	8-1/2	38.96	83.98		
17/32	.5312	4-5/8	8-1/2	38.42	83.46		
35/64	.5469	4-7/8	8-3/4	42.02	87.08		
9/16	.5625	4-7/8	8-3/4	41.16	86.18		
37/64	.5781	4-7/8	8-3/4	44.20	89.26		
19/32	.5937	4-7/8	8-3/4	43.66	88.66		
39/64	.6094	4-7/8	8-3/4	45.86	90.92		
5/8	.6250	4-7/8	8-3/4	44.38	89.42		
41/64	.6406	5-1/8	9	53.56	98.58		
21/32	.6562	5-1/8	9	48.60	93.64		
43/64	.6719	5-3/8	9-1/4	53.50	98.54		
11/16	.6875	5-3/8	9-1/4	50.96	96.00		
45/64	.7031	5-5/8	9-1/2	55.26	100.30		
23/32	.7187	5-5/8	9-1/2	53.62	98.04		
47/64	.7344	5-7/8	9-3/4	58.72	103.76		

SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	HSS		TiN COATED	
				OXIDE FINISH		GOLD FINISH	
				135° S/P	135° S/P	TSD-H	TSD-HT
<b>#3 MT SHANK</b>							
3/4	.7500	5-7/8	9-3/4	63.56	108.58		
49/64	.7656	6	9-7/8	73.06	122.82		
25/32	.7812	6	9-7/8	73.06	116.94		
51/64	.7969	6-1/8	10-3/4	77.76	144.98		
13/16	.8125	6-1/8	10-3/4	74.20	141.78		
53/64	.8281	6-1/8	10-3/4	81.48	149.06		
27/32	.8437	6-1/8	10-3/4	79.26	146.80		
55/64	.8594	6-1/8	10-3/4	83.96	151.50		
7/8	.8750	6-1/8	10-3/4	81.48	149.06		
57/64	.8906	6-1/8	10-3/4	85.62	153.20		
29/32	.9062	6-1/8	10-3/4	85.62	153.18		
59/64	.9219	6-1/8	10-3/4	87.02	154.58		
15/16	.9375	6-1/8	10-3/4	81.48	149.06		
61/64	.9531	6-3/8	11	88.44	155.98		
31/32	.9687	6-3/8	11	88.44	156.00		
63/64	.9844	6-3/8	11	92.62	160.20		
1	1.0000	6-3/8	11	89.76	157.32		

## Metric Sizes (Regular MT Shank) 12.50mm to 25.00mm Dia.

SIZE mm	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	ITEM NO.	PRICE
<b>#1 MT SHANK</b>					
12.50	.4921	3-31/32	7-5/32	<b>TSD-MH12.50</b>	43.78
12.80	.5039	3-31/32	7-5/32	<b>TSD-MH12.80</b>	43.78
13.00	.5118	3-31/32	7-5/32	<b>TSD-MH13.00</b>	43.78
13.20	.5197	4-1/4	7-7/16	<b>TSD-MH13.20</b>	48.56
13.50	.5315	4-1/4	7-7/16	<b>TSD-MH13.50</b>	48.56
13.80	.5433	4-1/4	7-7/16	<b>TSD-MH13.80</b>	48.56
14.00	.5512	4-1/4	7-7/16	<b>TSD-MH14.00</b>	48.56
<b>#2 MT SHANK</b>					
14.25	.5610	4-1/2	8-3/8	<b>TSD-MH14.25</b>	52.36
14.50	.5709	4-1/2	8-3/8	<b>TSD-MH14.50</b>	52.36
14.75	.5807	4-1/2	8-3/8	<b>TSD-MH14.75</b>	52.36
15.00	.5906	4-1/2	8-3/8	<b>TSD-MH15.00</b>	52.36
15.25	.6004	4-3/4	8-5/8	<b>TSD-MH15.25</b>	54.66
15.50	.6102	4-3/4	8-5/8	<b>TSD-MH15.50</b>	54.66
15.75	.6201	4-3/4	8-5/8	<b>TSD-MH15.75</b>	56.88
16.00	.6299	4-3/4	8-5/8	<b>TSD-MH16.00</b>	56.88
16.25	.6398	4-3/4	8-3/4	<b>TSD-MH16.25</b>	56.88
16.50	.6496	4-3/4	8-3/4	<b>TSD-MH16.50</b>	58.54
16.75	.6594	4-3/4	8-3/4	<b>TSD-MH16.75</b>	58.54

SIZE mm	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	ITEM NO.	PRICE
<b>#2 MT SHANK</b>					
17.00	.6693	4-7/8	8-3/4	<b>TSD-MH17.00</b>	58.54
17.25	.6791	5-1/8	9	<b>TSD-MH17.25</b>	63.10
17.50	.6890	5-1/8	9	<b>TSD-MH17.50</b>	63.50
18.00	.7087	5-1/8	9	<b>TSD-MH18.00</b>	63.50
18.50	.7283	5-1/4	9-1/8	<b>TSD-MH18.50</b>	68.40
19.00	.7480	5-1/4	9-1/8	<b>TSD-MH19.00</b>	68.40
19.50	.7677	5-1/2	9-3/8	<b>TSD-MH19.50</b>	84.40
20.00	.7874	5-1/2	9-3/8	<b>TSD-MH20.00</b>	84.40
20.50	.8071	5-3/4	9-5/8	<b>TSD-MH20.50</b>	90.74
21.00	.8268	5-3/4	9-5/8	<b>TSD-MH21.00</b>	90.74
21.50	.8465	5-7/8	9-3/4	<b>TSD-MH21.50</b>	97.10
22.00	.8661	5-7/8	9-3/4	<b>TSD-MH22.00</b>	97.10
22.50	.8858	6-1/8	10	<b>TSD-MH22.50</b>	100.30
<b>#3 MT SHANK</b>					
23.00	.9055	6-1/8	10	<b>TSD-MH23.00</b>	100.30
23.50	.9252	6-1/8	10-7/8	<b>TSD-MH23.50</b>	102.98
24.00	.9449	6-1/4	11	<b>TSD-MH24.00</b>	102.98
24.50	.9646	6-1/4	11	<b>TSD-MH24.50</b>	107.26
25.00	.9843	6-1/4	11	<b>TSD-MH25.00</b>	107.26