

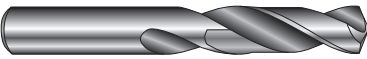
HIGH SPEED STEEL

METRIC SCREW MACHINE LENGTH DRILLS

ICS WIS

GENERAL PURPOSE

135° SPLIT POINT

ITEM NO.	ILLUSTRATION	CUTTING APPLICATION	STEEL SPECS	TECHNICAL DATA	NAS* SPECS
<b>SMM</b>	 OXIDE FINISH	For drilling in hard steel, stainless steel, titanium and other hard materials.	M2	135° Split Pt. Std. Spiral Hvy. Duty Web	<b>C</b>

Metric Sizes (Straight Shank) 1.00mm to 13.00mm Dia.

SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	ITEM NO.	PRICE
*1.00	.0394	1/4	1-1/32	<b>SMM01.00</b>	2.08
1.50	.0591	11/32	1-1/4	<b>SMM01.50</b>	2.08
2.00	.0781	15/32	1-1/2	<b>SMM02.00</b>	2.08
2.50	.0984	9/16	1-11/16	<b>SMM02.50</b>	2.08
3.00	.1181	5/8	1-13/16	<b>SMM03.00</b>	2.08
3.50	.1378	25/32	2-1/16	<b>SMM03.50</b>	2.06
4.00	.1575	7/8	2-5/32	<b>SMM04.00</b>	2.28
4.50	.1772	15/16	2-9/32	<b>SMM04.50</b>	2.78
5.00	.1969	1-1/32	2-7/16	<b>SMM05.00</b>	2.78
5.50	.2165	1-1/8	2-19/32	<b>SMM05.50</b>	3.58
6.00	.2362	1-1/8	2-19/32	<b>SMM06.00</b>	3.98
6.50	.2560	1-7/32	2-3/4	<b>SMM06.50</b>	4.44
7.00	.2756	1-5/16	2-29/32	<b>SMM07.00</b>	5.00

SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	ITEM NO.	PRICE
7.50	.2953	1-5/16	2-29/32	<b>SMM07.50</b>	5.94
8.00	.3150	1-7/16	3-1/8	<b>SMM08.00</b>	5.94
8.50	.3346	1-7/16	3-1/8	<b>SMM08.50</b>	6.60
9.00	.3543	1-9/16	3-5/16	<b>SMM09.00</b>	7.48
9.50	.3740	1-9/16	3-5/16	<b>SMM09.50</b>	9.32
10.00	.3937	1-11/16	3-1/2	<b>SMM10.00</b>	9.32
10.50	.4137	1-11/16	3-1/2	<b>SMM10.50</b>	10.12
11.00	.4331	1-27/32	3-3/4	<b>SMM11.00</b>	10.36
11.50	.4528	1-27/32	3-3/4	<b>SMM11.50</b>	12.24
12.00	.4724	2	4	<b>SMM12.00</b>	13.44
12.50	.4921	2	4	<b>SMM12.50</b>	13.44
13.00	.5118	2	4	<b>SMM13.00</b>	13.44

\*Not Split Point

HIGH SPEED STEEL

DOUBLE END (STUB) DRILLS

ICS USA

HEAVY DUTY

135° SPLIT POINT



Double End Stub Drills are fluted and split pointed on both ends and have a solid center shank for chucking. They will drill twice as many holes as a single end drill for only a fraction more in cost. When one end gets dull or breaks, it can be quickly reversed in drill chuck to reduce changeover time, overall costs, and inventory.

SIZE	DEC. EQUIV.	FLUTE LENGTH	OVERALL LENGTH	HIGH SPEED STEEL			TiN COAT
				OXIDE FINISH	BRIGHT FINISH	GOLD FINISH	GOLD FINISH
				<b>DED</b>	<b>DEDP</b>	<b>DEDF</b>	<b>DEDT</b>
1/16	.0625	9/16	2	2.00	2.00	-	-
3/32	.0938	9/16	2	2.00	2.00	-	-
7/64	.1094	9/16	2	1.68	1.68	-	-
1/8	.1250	9/16	2	1.44	1.44	1.48	2.36
9/64	.1406	9/16	2	1.68	1.68	2.26	-
5/32	.1562	9/16	2-1/16	1.94	1.94	2.36	-
11/64	.1719	9/16	2-1/16	2.20	2.20	-	-
3/16	.1879	9/16	2-3/16	2.20	2.20	2.60	-
13/64	.2031	9/16	2-3/16	2.94	2.94	3.20	-
7/32	.2188	9/16	2-3/8	2.84	2.84	3.20	-
1/4	.2500	9/16	2-1/2	3.22	3.22	3.54	-
9/32	.2812	9/16	2-1/2	7.96	-	-	-
5/16	.3125	9/16	2-13/16	8.62	8.62	-	-
#11	.1910	9/16	2-1/4	3.68	3.68	-	7.84
#20	.1610	9/16	2-1/8	3.04	3.04	-	-
#30	.1285	9/16	2	-	1.44	1.48	2.48

NOW AVAILABLE

4 OPTIONS TO IMPROVE PERFORMANCE

**Black Oxide Finish** for hard steels and other tough materials.

**Bright Polished Finish** for stainless steels and aluminum.

**Gold (Premium) Finish** for hard steels, stainless steels and other tough metals.

**TiN Coated** for long tool life and harder materials. Run at higher speeds for maximum productivity, often used in air drills.