



Fasteners 101 – Tap and Drill

Tap and Drill bit selection tables are shown in Table 6 for both Metric and SAE thread sizes.

Tap and Drill bit Selection Tables, SAE and Metric

SAE Tap	Fractional Drill Bit	Number Drill Bit	Letter Drill Bit
10-32	5/32	21	-
12-24	11/64	16	-
1/4-20	13/64	7	-
1/4-28	7/32	3	-
5/16-18	17/64	-	F
5/16-24	9/32	-	I
3/8-16	5/16	-	-
3/8-24	21/64	-	Q
7/16-14	23/64	-	U
7/16-20	25/64	-	-
1/2-13	27/64	-	-
1/2-20	29/64	-	-
9/16-12	31/64	-	-
9/16-18	33/64	-	-
5/8-11	17/32	-	-
5/8-18	37/64	-	-
3/4-10	21/32	-	-
3/4-16	11/16	-	-



Ti64

Titanium

Metric Tap	Fractional Drill Bit	Number Drill Bit	
3mm x 0.5	2.5mm	-	
4mm x 0.7	3.4mm	-	
5mm x 0.8	4.3mm	-	
6mm x 1.0	5.2mm	-	
7mm x 1.0	6.1mm	15/64	
8mm x 1.25	6.9mm	17/64	
8mm x 1.0	7.1mm	-	
10mm x 1.5	8.7mm	-	
10mm x 1.25	8.9mm	11/32	
10mm x 1.0	9.1mm	-	
12mm x 1.75	10.5mm	-	
12mm x 1.5	10.7mm	27/64	
14mm x 2.0	12.2mm	-	
14mm x 1.5	12.7mm	-	
16mm x 2.0	14.2mm	35/64	
16mm x 1.5	14.7mm	-	