

# Tap Drill Chart: Free Fit Clearance Hole, All Materials – Microform Precision



Screw Thread Size	Major Diameter	Minor Diameter	Drill Size	Decimal Equivalent
12-24	0.216"	0.1649"	1	0.228"
12-28	0.216"	0.1722"	1	0.228"
12-32	0.216"	0.1777"	1	0.228"
10-24	0.19"	0.1389"	7	0.201"
10-32	0.19"	0.1517"	7	0.201"
8-32	0.164"	0.1257"	16	0.177"
8-36	0.164"	0.1299"	16	0.177"
6-32	0.138"	0.0997"	25	0.1495"
6-40	0.138"	0.1073"	25	0.1495"
5-40	0.125"	0.0943"	29	0.136"
5-44	0.125"	0.0971"	29	0.136"
4-40	0.112"	0.0813"	30	0.1285"
4-48	0.112"	0.0864"	30	0.1285"
3-48	0.099"	0.0734"	35	0.11"
3-56	0.099"	0.0771"	35	0.11"
2-56	0.086"	0.0641"	41	0.096"

2-64	0.086"	0.0668"	41	0.096"
1-64	0.073"	0.0538"	46	0.081"
1-72	0.073"	0.056"	46	0.081"
0-80	0.06"	0.0447"	50	0.07"
1-8	1"	0.8466"	1-1/32"	1.0313"
1-12	1"	0.8978"	1-1/32"	1.0313"
1-20	1"	0.9387"	1-1/32"	1.0313"
7/16"-14	0.4375"	0.3499"	15/32"	0.4688"
7/16"-20	0.4375"	0.3762"	15/32"	0.4688"
7/16"-28	0.4375"	0.3937"	15/32"	0.4688"
1/2"-13	0.5"	0.4056"	17/32"	0.5312"
1/2"-20	0.5"	0.4387"	17/32"	0.5312"
1/2"-28	0.5"	0.4562"	17/32"	0.5312"
9/16"-12	0.5625"	0.4603"	19/32"	0.5938"
9/16"-18	0.5625"	0.4943"	19/32"	0.5938"
9/16"-24	0.5625"	0.5114"	19/32"	0.5938"
5/8"-11	0.625"	0.5135"	21/32"	0.6562"
5/8"-18	0.625"	0.5568"	21/32"	0.6562"
5/8"-24	0.625"	0.5739"	21/32"	0.6562"

11/16"-24	0.6875"	0.6364"	23/32"	0.7188"
3/4"-10	0.75"	0.6273"	25/32"	0.7812"
3/4"-16	0.75"	0.6733"	25/32"	0.7812"
3/4"-20	0.75"	0.6887"	25/32"	0.7812"
13/16"-20	0.8125"	0.7512"	27/32"	0.8438"
7/8"-9	0.875"	0.7387"	29/32"	0.9062"
7/8"-14	0.875"	0.7874"	29/32"	0.9062"
7/8"-20	0.875"	0.8137"	29/32"	0.9062"
15/16"-20	0.9375"	0.8762"	31/32"	0.9688"
1/4"-20	0.25"	0.1887"	H	0.266"
1/4"-28	0.25"	0.2062"	H	0.266"
1/4"-32	0.25"	0.2117"	H	0.266"
5/16"-18	0.3125"	0.2443"	Q	0.332"
5/16"-24	0.3125"	0.2614"	Q	0.332"
5/16"-32	0.3125"	0.2742"	Q	0.332"
3/8"-16	0.375"	0.2983"	X	0.397"
3/8"-24	0.375"	0.3239"	X	0.397"
3/8"-32	0.375"	0.3367"	X	0.397"
<a href="http://www.mform.com/tap-drill-chart/">http://www.mform.com/tap-drill-chart/</a>				

