

Thread · **Tap drill** · Drill Ø · start drill for BORE · % of thread — diameters in in

BORE = no standard drill fits: bore or ream to the size shown, starting from the drill after it

Charts at the end: number drills, letter drills, fractional inch

#0-80 UNF	3/64	0.0469	81%
#1-72 UNF	#53	0.0595	75%
#1-64 UNC	#53	0.0595	67%
#2-64 UNF	#49	0.0730	64%
#2-56 UNC	#50	0.0700	69%
#3-56 UNF	#45	0.0820	73%
#3-48 UNC	#46	0.0810	67%
#4-48 UNF	#42	0.0935	68%
#4-40 UNC	#43	0.0890	71%
#5-44 UNF	#37	0.1040	71%
#5-40 UNC	#38	0.1015	72%
#6-40 UNF	#32	0.1160	68%
#6-32 UNC	7/64	0.1094	71%
#8-36 UNF	#29	0.1360	78%
#8-32 UNC	#29	0.1360	69%
#10-32 UNF	#21	0.1590	76%
#10-24 UNC	#25	0.1495	75%
#12-28 UNF	#14	0.1820	73%
#12-24 UNC	#16	0.1770	72%
1/4-28 UNF	#3	0.2130	80%
1/4-20 UNC	#7	0.2010	75%
5/16-24 UNF	I	0.2720	75%
5/16-18 UNC	F	0.2570	77%
3/8-24 UNF	Q	0.3320	79%
3/8-16 UNC	5/16	0.3125	77%
7/16-20 UNF	25/64	0.3906	72%
7/16-14 UNC	U	0.3680	75%
1/2-20 UNF	29/64	0.4531	72%
1/2-13 UNC	27/64	0.4219	78%
9/16-18 UNF	12.9 mm	0.5079	76%
9/16-12 UNC	31/64	0.4844	72%
5/8-18 UNF	14.5 mm	0.5709	75%
5/8-11 UNC	17/32	0.5313	79%
3/4-16 UNF	11/16	0.6875	77%
3/4-10 UNC	21/32	0.6563	72%
7/8-14 UNF	13/16	0.8125	67%
7/8-9 UNC	49/64	0.7656	76%
1-12 UNF	59/64	0.9219	72%
1-8 UNC	7/8	0.8750	77%
1-1/8-12 UNF	1-3/64	1.0469	72%
1-1/8-7 UNC	63/64	0.9844	76%
1-1/4-12 UNF	1-11/64	1.1719	72%
1-1/4-7 UNC	1-7/64	1.1094	76%
1-3/8-12 UNF	1-19/64	1.2969	72%
1-3/8-6 UNC	1-13/64	1.2031	79%
1-1/2-12 UNF	1-27/64	1.4219	72%
1-1/2-6 UNC	1-21/64	1.3281	79%
1-3/4-5 UNC	1-35/64	1.5469	78%
2-4.5 UNC	1-25/32	1.7813	76%
2-1/4-4.5 UNC	2-1/32	2.0313	76%
2-1/2-4 UNC	2-1/4	2.2500	77%
2-3/4-4 UNC	2-1/2	2.5000	77%
3-4 UNC	2-3/4	2.7500	77%
3-1/4-4 UNC	3	3.0000	77%
3-1/2-4 UNC	3-1/4	3.2500	77%
3-3/4-4 UNC	3-1/2	3.5000	77%
4-4 UNC	BORE	3.7480	3-1/2

Number drills in · mm		
#80	0.0135"	0.343 mm
#79	0.0145"	0.368 mm
#78	0.0160"	0.406 mm
#77	0.0180"	0.457 mm
#76	0.0200"	0.508 mm
#75	0.0210"	0.533 mm
#74	0.0225"	0.571 mm
#73	0.0240"	0.610 mm
#72	0.0250"	0.635 mm
#71	0.0260"	0.660 mm
#70	0.0280"	0.711 mm
#69	0.0292"	0.742 mm
#68	0.0310"	0.787 mm

#67	0.0320"	0.813 mm
#66	0.0330"	0.838 mm
#65	0.0350"	0.889 mm
#64	0.0360"	0.914 mm
#63	0.0370"	0.940 mm
#62	0.0380"	0.965 mm
#61	0.0390"	0.991 mm
#60	0.0400"	1.016 mm
#59	0.0410"	1.041 mm
#58	0.0420"	1.067 mm
#57	0.0430"	1.092 mm
#56	0.0465"	1.181 mm
#55	0.0520"	1.321 mm
#54	0.0550"	1.397 mm
#53	0.0595"	1.511 mm
#52	0.0635"	1.613 mm
#51	0.0670"	1.702 mm
#50	0.0700"	1.778 mm
#49	0.0730"	1.854 mm
#48	0.0760"	1.930 mm
#47	0.0785"	1.994 mm
#46	0.0810"	2.057 mm
#45	0.0820"	2.083 mm
#44	0.0860"	2.184 mm
#43	0.0890"	2.261 mm
#42	0.0935"	2.375 mm
#41	0.0960"	2.438 mm
#40	0.0980"	2.489 mm
#39	0.0995"	2.527 mm
#38	0.1015"	2.578 mm
#37	0.1040"	2.642 mm
#36	0.1065"	2.705 mm
#35	0.1100"	2.794 mm
#34	0.1110"	2.819 mm
#33	0.1130"	2.870 mm
#32	0.1160"	2.946 mm
#31	0.1200"	3.048 mm
#30	0.1285"	3.264 mm
#29	0.1360"	3.454 mm
#28	0.1405"	3.569 mm
#27	0.1440"	3.658 mm
#26	0.1470"	3.734 mm
#25	0.1495"	3.797 mm
#24	0.1520"	3.861 mm
#23	0.1540"	3.912 mm
#22	0.1570"	3.988 mm
#21	0.1590"	4.039 mm
#20	0.1610"	4.089 mm
#19	0.1660"	4.216 mm
#18	0.1695"	4.305 mm
#17	0.1730"	4.394 mm
#16	0.1770"	4.496 mm
#15	0.1800"	4.572 mm
#14	0.1820"	4.623 mm
#13	0.1850"	4.699 mm
#12	0.1890"	4.801 mm
#11	0.1910"	4.851 mm
#10	0.1935"	4.915 mm
#9	0.1960"	4.978 mm
#8	0.1990"	5.055 mm
#7	0.2010"	5.105 mm
#6	0.2040"	5.182 mm
#5	0.2055"	5.220 mm
#4	0.2090"	5.309 mm
#3	0.2130"	5.410 mm
#2	0.2210"	5.613 mm
#1	0.2280"	5.791 mm

Letter drills in · mm		
A	0.2340"	5.944 mm
B	0.2380"	6.045 mm
C	0.2420"	6.147 mm

D	0.2460"	6.248 mm
E	0.2500"	6.350 mm
F	0.2570"	6.528 mm
G	0.2610"	6.629 mm
H	0.2660"	6.756 mm
I	0.2720"	6.909 mm
J	0.2770"	7.036 mm
K	0.2810"	7.137 mm
L	0.2900"	7.366 mm
M	0.2950"	7.493 mm
N	0.3020"	7.671 mm
O	0.3160"	8.026 mm
P	0.3230"	8.204 mm
Q	0.3320"	8.433 mm
R	0.3390"	8.611 mm
S	0.3480"	8.839 mm
T	0.3580"	9.093 mm
U	0.3680"	9.347 mm
V	0.3770"	9.576 mm
W	0.3860"	9.804 mm
X	0.3970"	10.084 mm
Y	0.4040"	10.262 mm
Z	0.4130"	10.490 mm

Fractional inch in · mm		
1/64"	0.0156"	0.397 mm
1/32"	0.0313"	0.794 mm
3/64"	0.0469"	1.191 mm
1/16"	0.0625"	1.587 mm
5/64"	0.0781"	1.984 mm
3/32"	0.0938"	2.381 mm
7/64"	0.1094"	2.778 mm
1/8"	0.1250"	3.175 mm
9/64"	0.1406"	3.572 mm
5/32"	0.1563"	3.969 mm
11/64"	0.1719"	4.366 mm
3/16"	0.1875"	4.762 mm
13/64"	0.2031"	5.159 mm
7/32"	0.2188"	5.556 mm
15/64"	0.2344"	5.953 mm
1/4"	0.2500"	6.350 mm
17/64"	0.2656"	6.747 mm
9/32"	0.2813"	7.144 mm
19/64"	0.2969"	7.541 mm
5/16"	0.3125"	7.938 mm
21/64"	0.3281"	8.334 mm
11/32"	0.3438"	8.731 mm
23/64"	0.3594"	9.128 mm
3/8"	0.3750"	9.525 mm
25/64"	0.3906"	9.922 mm
13/32"	0.4063"	10.319 mm
27/64"	0.4219"	10.716 mm
7/16"	0.4375"	11.112 mm
29/64"	0.4531"	11.509 mm
15/32"	0.4688"	11.906 mm
31/64"	0.4844"	12.303 mm
1/2"	0.5000"	12.700 mm
33/64"	0.5156"	13.097 mm
17/32"	0.5313"	13.494 mm
35/64"	0.5469"	13.891 mm
9/16"	0.5625"	14.287 mm
37/64"	0.5781"	14.684 mm
19/32"	0.5938"	15.081 mm
39/64"	0.6094"	15.478 mm
5/8"	0.6250"	15.875 mm
41/64"	0.6406"	16.272 mm
21/32"	0.6563"	16.669 mm
43/64"	0.6719"	17.066 mm
11/16"	0.6875"	17.462 mm
45/64"	0.7031"	17.859 mm
23/32"	0.7188"	18.256 mm
47/64"	0.7344"	18.653 mm

3/4"	0.7500"	19.050 mm
49/64"	0.7656"	19.447 mm
25/32"	0.7813"	19.844 mm
51/64"	0.7969"	20.241 mm
13/16"	0.8125"	20.637 mm
53/64"	0.8281"	21.034 mm
27/32"	0.8438"	21.431 mm
55/64"	0.8594"	21.828 mm
7/8"	0.8750"	22.225 mm
57/64"	0.8906"	22.622 mm
29/32"	0.9063"	23.019 mm
59/64"	0.9219"	23.416 mm
15/16"	0.9375"	23.813 mm
61/64"	0.9531"	24.209 mm
31/32"	0.9688"	24.606 mm
63/64"	0.9844"	25.003 mm
1"	1.0000"	25.400 mm