

# BORED HOLE AND DRILL SIZE



## Cutting taps

M	Drill Ø	Hole Ø*
M 1 x 0.25	0.75	0.77
M 1.1 x 0.25	0.85	0.87
M 1.2 x 0.25	0.95	0.97
M 1.4 x 0.3	1.10	1.13
M 1.6 x 0.35	1.25	1.30
M 1.7 x 0.35	1.35	1.40
M 1.8 x 0.35	1.45	1.50
M 2 x 0.4	1.60	1.65
M 2.2 x 0.45	1.75	1.81
M 2.3 x 0.4	1.90	1.95
M 2.5 x 0.45	2.10	2.11
M 2.6 x 0.45	2.20	2.21
M 3 x 0.5	2.50	2.56
M 3.5 x 0.6	2.90	2.97
M 4 x 0.7	3.30	3.38
M 4.5 x 0.75	3.80	3.83
M 5 x 0.8	4.20	4.28
M 6 x 1	5.00	5.09
M 7 x 1	6.00	6.09
M 8 x 1.25	6.80	6.85
M 9 x 1.25	7.80	7.85
M 10 x 1.5	8.50	8.60
M 11 x 1.5	9.50	9.60
M 12 x 1.75	10.30	10.36
M 14 x 2	12.00	12.12
M 16 x 2	14.00	14.12
M 18 x 2.5	15.50	15.63
M 20 x 2.5	17.50	17.63
M 22 x 2.5	19.50	19.63
M 24 x 3	21.00	21.13
M 27 x 3	24.00	24.13
M 30 x 3.5	26.50	26.63
M 33 x 3.5	29.50	29.63
M 36 x 4	32.00	32.12
M 39 x 4	35.00	35.12
M 42 x 4.5	37.50	37.63
M 45 x 4.5	40.50	40.63
M 48 x 5	43.00	43.12
M 52 x 5	47.00	47.10
M 56 x 5.5	50.50	50.60
M 60 x 5.5	54.50	54.60
M 64 x 6	58.00	58.10
M 68 x 6	62.00	62.10
M 70 x 6	64.00	64.10
M 72 x 6	66.00	66.10
M 76 x 6	70.00	70.10
M 80 x 6	74.00	74.10
M 85 x 6	79.00	79.10
M 90 x 6	84.00	84.10
M 95 x 6	89.00	89.10
M 100 x 6	94.00	94.10

G(BSP)	Drill Ø	Hole Ø*
G 1/16 - 28	6.75	6.77
G 1/8 - 28	8.75	8.78
G 1/4 - 19	11.75	11.78
G 3/8 - 19	15.25	15.28
G 1/2 - 14	19.00	19.04
G 5/8 - 14	21.00	21.00
G 3/4 - 14	24.50	24.52
G 7/8 - 14	28.25	28.28
G 1 - 11	30.75	30.77
G 1 1/8 - 11	35.30	35.42
G 1 1/4 - 11	39.30	39.43
G 1 1/2 - 11	45.25	45.33
G 1 3/4 - 11	51.25	51.27
G 2 - 11	57.00	57.14
G 2 1/2 - 11	72.50	72.70
G 3 - 11	85.25	85.40
G 3 1/2 - 11	97.75	97.90
G 4 - 11	110.50	110.60

Rp(BSP)	Drill Ø	Hole Ø*
Rp 1/16 - 28	6.50	6.55
Rp 1/8 - 28	8.50	8.55
Rp 1/4 - 19	11.40	11.50
Rp 3/8 - 19	14.80	14.90
Rp 1/2 - 14	18.50	18.55
Rp 5/8 - 14	20.50	20.55
Rp 3/4 - 14	24.00	24.10
Rp 7/8 - 14	27.75	27.80
Rp 1 - 11	30.20	30.25
Rp 1 1/8 - 11	34.75	34.80
Rp 1 1/4 - 11	38.75	38.80
Rp 1 1/2 - 11	44.60	44.70
Rp 1 3/4 - 11	50.60	50.70
Rp 2 - 11	56.50	56.60
Rp 2 1/4 - 11	62.50	62.60
Rp 2 1/2 - 11	72.00	72.10
Rp 3 - 11	84.75	84.80
Rp 3 1/2 - 11	97.20	97.30
Rp 4 - 11	109.90	110.00

MF	Drill Ø	Hole Ø*
MF 1 x 0.2	0.80	0.81
MF 1.1 x 0.2	0.90	0.91
MF 1.2 x 0.2	1.00	1.01
MF 1.4 x 0.2	1.20	1.21
MF 1.6 x 0.2	1.40	1.41
MF 1.7 x 0.2	1.50	1.51
MF 1.8 x 0.2	1.60	1.61
MF 2 x 0.25	1.75	1.77
MF 2.2 x 0.25	1.95	1.97
MF 2.3 x 0.25	2.05	2.07
MF 2.5 x 0.25	2.20	2.20
MF 2.6 x 0.25	2.30	2.30
MF 3 x 0.25	2.70	2.70
MF 3.5 x 0.25	3.20	3.20
MF 4 x 0.3	3.50	3.56
MF 4.5 x 0.3	4.00	4.06
MF 5 x 0.3	4.50	4.56
MF 5.5 x 0.3	5.00	5.06
MF 6 x 0.3	5.30	5.33
MF 6 x 0.5	5.50	5.56
MF 7 x 0.5	6.30	6.33
MF 7 x 0.5	6.50	6.56
MF 8 x 1	7.00	7.09
MF 8 x 0.75	7.30	7.33
MF 8 x 0.5	7.50	7.56
MF 9 x 1	8.00	8.09
MF 9 x 0.75	8.30	8.33
MF 10 x 1.25	8.80	8.85
MF 10 x 1	9.00	9.09
MF 10 x 0.75	9.30	9.33
MF 10 x 0.5	9.50	9.56
MF 11 x 1	10.00	10.10
MF 11 x 0.75	10.30	10.33
MF 11 x 0.5	10.50	10.56
MF 12 x 1.5	10.50	10.60
MF 12 x 1.25	10.80	10.85
MF 12 x 1	11.00	11.09
MF 12 x 0.5	11.50	11.56
MF 14 x 1.5	12.50	12.60
MF 14 x 1	13.00	13.09
MF 15 x 1.5	13.50	13.60
MF 15 x 1	14.00	14.09
MF 16 x 1.5	14.50	14.60

UNC	Drill Ø	Hole Ø*
No. 1 - 64 UNC	1.55	1.54
No. 2 - 56 UNC	1.80	1.83
No. 3 - 48 UNC	2.10	2.09
No. 4 - 40 UNC	2.30	2.33
No. 5 - 40 UNC	2.60	2.64
No. 6 - 32 UNC	2.80	2.83
No. 8 - 32 UNC	3.40	3.47
No. 10 - 24 UNC	3.90	3.89
No. 12 - 24 UNC	4.50	4.53
1/4 - 20 UNC	5.10	5.19
5/16 - 18 UNC	6.60	6.65
3/8 - 16 UNC	8.00	8.07
7/16 - 14 UNC	9.40	9.45
1/2 - 13 UNC	10.90	10.91
9/16 - 12 UNC	12.20	12.33
5/8 - 11 UNC	13.60	13.75
3/4 - 10 UNC	16.60	16.7
7/8 - 9 UNC	19.60	19.61
1 - 8 UNC	22.30	22.45
1 1/8 - 7 UNC	25.00	25.17
1 1/4 - 7 UNC	28.20	28.35
1 3/8 - 6 UNC	30.80	30.92
1 1/2 - 6 UNC	34.00	34.10
1 3/4 - 5 UNC	39.50	39.61
2 - 4 1/2 UNC	45.20	45.37

Rc(BSP)	Drill Ø	Hole Ø*
PT 1/16 - 28	6.10	6.20
PT 1/8 - 28	8.10	8.20
PT 1/4 - 19	10.70	10.90
PT 3/8 - 19	14.20	14.40
PT 1/2 - 14	17.60	17.90
PT 5/8 - 14	19.60	19.80
PT 3/4 - 14	23.00	23.30
PT 7/8 - 14	26.70	27.00
PT 1 - 11	29.00	29.30
PT 1 1/8 - 11	33.60	33.90
PT 1 1/4 - 11	37.60	37.90
PT 1 1/2 - 11	43.50	43.80
PT 1 3/4 - 11	49.40	49.70
PT 2 - 11	55.00	55.40
PT 2 1/4 - 11	63.80	64.30
PT 2 1/2 - 11	70.30	70.80
PT 3 - 11	82.80	83.30
PT 3 1/2 - 11	95.50	95.70
PT 4 - 11	108.00	108.20

MF	Drill Ø	Hole Ø*
MF 16 x 1	15.00	15.09
MF 17 x 1.5	15.50	15.60
MF 17 x 1	16.00	16.09
MF 18 x 2	16.00	16.12
MF 18 x 1.5	16.50	16.60
MF 18 x 1	17.00	17.09
MF 20 x 2	18.00	18.12
MF 20 x 1.5	18.50	18.60
MF 20 x 1	19.00	19.09
MF 22 x 2	20.00	20.12
MF 22 x 1.5	20.50	20.60
MF 22 x 1	21.00	21.09
MF 24 x 2	22.00	22.12
MF 24 x 1.5	22.50	22.60
MF 24 x 1	23.00	23.09
MF 25 x 2	23.00	23.12
MF 25 x 1.5	23.50	23.60
MF 25 x 1	24.00	24.09
MF 26 x 1.5	24.50	24.60
MF 27 x 2	25.00	25.12
MF 27 x 1.5	25.50	25.60
MF 27 x 1	26.00	26.09
MF 28 x 2	26.00	26.12
MF 28 x 1.5	26.50	26.60
MF 28 x 1	27.00	27.09
MF 30 x 3	27.00	27.13
MF 30 x 2	28.00	28.12
MF 30 x 1.5	28.50	28.60
MF 30 x 1	29.00	29.09
MF 32 x 2	30.00	30.12
MF 32 x 1.5	30.50	30.60
MF 33 x 3	30.00	30.13
MF 33 x 2	31.00	31.12
MF 33 x 1.5	31.50	31.60
MF 35 x 1.5	33.50	33.60
MF 36 x 3	33.00	33.13
MF 36 x 2	34.00	34.12
MF 36 x 1.5	34.50	34.60
MF 38 x 1.5	36.50	36.60
MF 39 x 3	36.00	36.13
MF 39 x 2	37.00	37.12
MF 39 x 1.5	37.50	37.60
MF 40 x 3	37.00	37.13

UNF	Drill Ø	Hole Ø*
No. 0 - 80 UNF	1.25	1.27
No. 1 - 72 UNF	1.55	1.58
No. 2 - 64 UNF	1.85	1.87
No. 3 - 56 UNF	2.10	2.15
No. 4 - 48 UNF	2.40	2.41
No. 5 - 44 UNF	2.70	2.69
No. 6 - 40 UNF	2.90	2.97
No. 8 - 36 UNF	3.50	3.55
No. 10 - 32 UNF	4.10	4.12
No. 12 - 28 UNF	4.60	4.67
1/4 - 28 UNF	5.50	5.53
5/16 - 24 UNF	6.50	6.97
3/8 - 24 UNF	8.50	8.57
7/16 - 20 UNF	9.90	9.96
1/2 - 20 UNF	11.50	11.54
9/16 - 18 UNF	12.90	13.00
5/8 - 18 UNF	14.50	14.6
3/4 - 16 UNF	17.50	17.59
7/8 - 14 UNF	20.50	20.57
1 - 12 UNF	23.30	23.46
1 1/8 - 12 UNF	26.50	26.63
1 1/4 - 12 UNF	29.60	29.81
1 3/8 - 12 UNF	32.80	32.98
1 1/2 - 12 UNF	36.00	36.16

NPT	Drill Ø	Hole Ø*
NPT 1/16 - 27	6.00	6.05
NPT 1/8 - 27	8.35	8.39
NPT 1/4 - 18	10.80	10.85
NPT 3/8 - 18	14.25	14.27
NPT 1/2 - 14	17.50	17.60
NPT 3/4 - 14	22.90	22.91
NPT 1 - 11 1/2	28.75	28.78
NPT 1 1/4 - 11 1/2	37.50	37.50
NPT 1 1/2 - 11 1/2	43.50	43.57
NPT 2 - 11 1/2	55.50	55.58
NPT 2 1/2 - 8	66.25	66.28
NPT 3 - 8	82.00	82.05

NPTF	Drill Ø	Hole Ø*
NPTF 1/16 - 27	5.95	5.99
NPTF 1/8 - 27	8.30	8.34
NPTF 1/4 - 18	10.75	10.75
NPTF 3/8 - 18	14.10	14.17
NPTF 1/2 - 14	17.40	17.44
NPTF 3/4 - 14	22.75	22.75
NPTF 1 - 11 1/2	28.50	28.60
NPTF 1 1/4 - 11 1/2	37.30	37.33
NPTF 1 1/2 - 11 1/2	43.30	43.40
NPTF 2 - 11 1/2	55.40	55.41

MF	Drill Ø	Hole Ø*
MF 40 x 2	38.00	38.12
MF 40 x 1.5	38.50	38.60
MF 42 x 4	38.00	38.12
MF 42 x 3	39.00	39.13
MF 42 x 2	40.00	40.12
MF 42 x 1.5	40.50	40.60
MF 45 x 4	41.00	41.12
MF 45 x 3	42.00	42.13
MF 45 x 2	43.00	43.12
MF 45 x 1.5	43.50	43.60
MF 48 x 4	44.00	44.12
MF 48 x 3	45.00	45.13
MF 48 x 2	46.00	46.12
MF 48 x 1.5	46.50	46.60
MF 50 x 3	47.00	47.13
MF 50 x 2	48.00	48.12
MF 50 x 1.5	48.50	48.60
MF 52 x 4	48.00	48.10
MF 52 x 3	49.00	49.10
MF 52 x 2	50.00	50.10
MF 52 x 1.5	50.50	50.60
MF 55 x 4	51.00	51.10
MF 55 x 3	52.00	52.10
MF 55 x 2	53.00	53.10
MF 55 x 1.5	53.50	53.60
MF 56 x 4	52.00	52.10
MF 56 x 3	53.00	53.10
MF 56 x 2	54.00	54.10
MF 56 x 1.5	54.50	54.60
MF 58 x 4	54.00	54.10
MF 58 x 3	55.00	55.10
MF 58 x 2	56.00	56.10
MF 58 x 1.5	56.50	56.60
MF 60 x 4	56.00	56.10
MF 60 x 3	57.	