



CENLA BOLTS & SUPPLY

Metric Threads - Coarse Thread Pitches

Size - Nominal Diameter (mm)	Pitch ¹⁾ (mm)	Clearance Drill (mm)	Tap Drill (mm)
M 1.60	0.35	1.8	1.25
M 2.00	0.40	2.4	1.60
M 2.50	0.45	2.90	2.00
M 3.00	0.50	3.40	2.50
M 3.50	0.60	3.90	2.90
M 4.00	0.70	4.50	3.30
M 5.00	0.80	5.50	4.20
M 6.00	1.00	6.60	5.00
M 8.00	1.25	9.00	6.80
M 10.00	1.50	12.00	8.50
M 12.00	1.75	14.00	10.20
M 14.00	2.00	16.00	12.00
M 16.00	2.00	18.00	14.00
M 20.00	2.50	22.00	17.50
M 22.00	2.50	25.00	19.50
M 24.00	3.00	27.00	21.00

M 27.00	3.00	30.00	24.00
M 30.00	3.50	33.00	26.50
M 36.00	4.00	40.00	32.00
M 42.00	4.50	46.00	37.50
M 48.00	5.00	53.00	43.00
M 56.00	5.50	62.00	50.50
M 64.00	6.00	70.00	58.00
M 68.00	6.00	74.00	62.00

¹⁾ For metric threads pitch is the distance between threads.

- $1 \text{ mm} \approx 0.03937 \text{ inches}$

Metric Threads - Fine Thread Pitches

Size - Nominal Diameter (mm)	Pitch ¹⁾ (mm)	Tap Drill (mm)
M 1.0x0.2	0.20	0.80
M 1.1x0.2	0.20	0.90
M 1.2x0.2	0.20	1.00
M 1.4z0.2	0.20	1.20
M 1.6x0.2	0.20	1.40
M 1.8x0.2	0.20	1.60
M 2x0.25	0.25	1.75

M 2.2x0.25	0.25	1.95
M 2.5x0.35	0.35	2.10
M 3x0.35	0.35	2.60
M 3.5x0.35	0.35	3.10
M 4x0.5	0.50	3.50
M 4.5x0.5	0.50	4.00
M 5x0.5	0.50	4.50
M 5.5x0.5	0.50	5.00
M 6x0.75	0.75	5.20
M 7x0.75	0.75	6.20
M 8x0.75	0.75	7.20
M 8x1.0	1.00	7.00
M 9x0.75	0.75	8.20
M 9x 1	1.00	8.00
M 10x0.75	0.75	9.20
M 10x1	1.00	9.00
M 10x1.25	1.25	8.80
M 11x0.75	0.75	10.20
M 11x1	1.00	10.00

M 12x1	1.00	11.00
M 12x1.25	1.25	10.80
M 12x1.5	1.50	10.50
M 14x1.0	1.00	13.00
M 14x1.25	1.25	12.80
M 14x1.5	1.50	12.50
M 15x1	1.00	14.00
M 15x1.5	1.50	13.50
M 16x1	1.00	15.00
M 16x1.5	1.50	14.50
M 17x1.0	1.00	16.00
M 17x1.5	1.50	15.50
M 18x1.0	1.00	17.00
M 18x1.5	1.50	16.50
M 18x2.0	2.00	16.00
M 20x1.0	1.00	19.00
M 20x1.5	1.50	18.50
M 20x2.0	2.00	18.00
M 22x1.0	1.00	21.00

M 22x1.5	1.50	20.50
M 22x2.0	2.00	20.00
M 24x1.0	1.00	23.00
M 24x1.5	1.50	22.50
M 24x2.0	2.00	22.00
M 25x1.0	1.00	24.00
M 25x1.5	1.50	23.50
M 25x2.0	2.00	23.00
M 27x1.0	1.00	26.00
M 27x1.5	1.50	25.50
M 27x2.0	2.00	25.00
M 28x1.0	1.00	27.00
M 28x1.5	1.50	26.50
M 28x2.0	2.00	26.00
M 30x1.0	1.00	29.00
M 30x1.5	1.50	28.50
M 30x2.0	2.00	28.00
M 30x3.0	3.00	27.00
M 32x1.5	1.50	30.50

M 32x2.0	2.00	30.00
M 33x1.5	1.50	31.50
M 33x2.0	2.00	31.00
M 33x3.0	3.00	30.00
M 35x1.5	1.50	33.50
M 35x2.0	2.00	33.00
M 36x1.5	1.50	34.50
M 36x2.0	2.00	34.00
M 36x3.0	3.00	33.00
M 39x1.5	1.50	37.50
M 39x2.0	2.00	37.00
M 39x3.0	3.00	36.00
M 40x1.5	1.50	38.50
M 40x2.0	2.00	38.00
M 40x3.0	3.00	37.00
M 42x1.5	1.50	40.50
M 42x2.0	2.00	40.00
M 42x3.0	3.00	39.00
M 42x4.0	4.00	38.00

M 45x1.5	1.50	43.50
M 45x2.0	2.00	43.00
M 45x3.0	3.00	42.00
M 45x4.0	4.00	41.00
M 48x1.5	1.50	46.50
M 48x2.0	2.00	46.00
M 48x3.0	3.00	45.00
M 48x4.0	4.00	44.00
M 50x1.5	1.50	48.50
M 50x2.0	2.00	48.00
M 50x3.0	3.00	47.00
M 52x1.5	1.50	50.50
M 52x2.0	2.00	50.00
M 52x3.0	3.00	49.00
M 52x4.0	4.00	48.00
M 55x1.5	1.50	53.50
M 55x2.0	2.00	53.00
M 55x3.0	3.00	52.00
M 55x4.0	4.00	51.00

M 56x1.5	1.50	54.50
M 56x2.0	2.00	54.00
M 56x3.0	3.00	53.00
M 56x4.0	4.00	52.00
M 58x1.5	1.50	56.50
M 58x2.0	2.00	56.00
M 58x3.0	3.00	55.00
M 58x4.0	4.00	54.00
M 60x1.5	1.50	58.50
M 60x2.0	2.00	58.00
M 60x3.0	3.00	57.00
M 60x4.0	4.00	56.00
M 62x1.5	1.50	60.50
M 62x2.0	2.00	60.00
M 62x3.0	3.00	59.00
M 62x4.0	4.00	58.00
M 64x1.5	1.50	62.50
M 64x2.0	2.00	62.00
M 64x3.0	3.00	61.00

M 64x4.0	4.00	60.00
M 65x1.5	1.50	63.50
M 65x2.0	2.00	63.00
M 65x3.0	3.00	62.00
M 65x4.0	4.00	61.00
M 68x1.5	1.50	66.50
M 68x2.0	2.00	66.00
M 68x3.0	3.00	65.00
M 68x4.0	4.00	64.00
M 70x1.5	1.50	68.50
M 70x2.0	2.00	68.00
M 70x3.0	3.00	67.00
M 70x4.0	4.00	66.00
M 70x6.0	6.00	64.00
M 72x1.5	1.50	70.50
M 72x2.0	2.00	70.00
M 72x3.0	3.00	69.00
M 72x4.0	4.00	68.00
M 72x6.0	6.00	66.00

M 75x1.5	1.50	73.50
M 75x2.0	2.00	73.00
M 75x3.0	3.00	72.00
M 75x4.0	4.00	71.00
M 75x6.0	6.00	69.00
M 76x1.5	1.50	74.50
M 76x2.0	2.00	74.00
M 76x3.0	3.00	73.00
M 76x4.0	4.00	72.00
M 76x6.0	6.00	70.00
M 80x1.5	1.50	78.50
M 80x2.0	2.00	78.00
M 80x3.0	3.00	77.00
M 80x4.0	4.00	76.00
M 80x6.0	6.00	74.00
M 85x2.0	2.00	83.00
M 85x3.0	3.00	82.00
M 85x4.0	4.00	81.00
M 85x6.0	6.00	79.00

M 90x2.0	2.00	88.00
M 90x3.0	3.00	87.00
M 90x4.0	4.00	86.00
M 90x6.0	6.00	84.00
M 95x2.0	2.00	93.00
M 95x3.0	3.00	92.00
M 95x4.0	4.00	91.00
M 95x6.0	6.00	89.00
M 100x2.0	2.00	98.00
M 100x3.0	3.00	97.00
M 100x4.0	4.00	96.00
M 100x6.0	6.00	94.00

Related ISO Standards

- ISO 68:1973 ISO general purpose screw threads - Basic profile
- ISO 261:1973 ISO general purpose metric screw threads - General plan
- ISO 262:1973 ISO general purpose metric screw threads - Selected sizes for screws, bolts and nuts
- ISO 724:1993 ISO general-purpose metric screw threads - Basic dimensions
- ISO 965-1:1980 ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data
- ISO 965-2:1980 ISO general purpose metric screw threads - Tolerances - Part 2: Limits of sizes for general purpose bolt and nut threads - Medium quality
- ISO 965-3:1980 ISO general purpose metric screw threads - Tolerances - Part 3: Deviations for constructional threads
- ISO 1502:1996 ISO general-purpose metric screw threads - Gauges and gauging