Metric Thread Pitch Chart (ISO 261)

Basis: ISO 261 general plan and ISO 724 basic dimensions (60° thread). Tap drill = D − P; external minor diameter = D − 1.226869 P; pitch diameter = D − 0.649519 P.

instrumentationblog.in/downloads/engineering-reference-tables/metric-thread-pitch-chart/

Metric thread sizes

Size	Coarse pitch mm	Fine pitch mm	Tap drill mm (coarse)	Minor dia mm (external)	Pitch dia mm
M3	0.50	0.35	2.50	2.387	2.675
M4	0.70	0.5	3.30	3.141	3.545
M5	0.80	0.5	4.20	4.019	4.480
M6	1.00	0.75	5.00	4.773	5.350
M8	1.25	1.0	6.75	6.466	7.188
M10	1.50	1.25, 1.0	8.50	8.160	9.026
M12	1.75	1.5, 1.25	10.25	9.853	10.863
M14	2.00	1.5	12.00	11.546	12.701
M16	2.00	1.5	14.00	13.546	14.701
M18	2.50	2.0, 1.5	15.50	14.933	16.376
M20	2.50	2.0, 1.5	17.50	16.933	18.376
M22	2.50	2.0, 1.5	19.50	18.933	20.376
M24	3.00	2.0	21.00	20.319	22.051
M27	3.00	2.0	24.00	23.319	25.051
M30	3.50	2.0	26.50	25.706	27.727
M33	3.50	2.0	29.50	28.706	30.727
M36	4.00	3.0	32.00	31.093	33.402
M42	4.50	3.0	37.50	36.479	39.077
M48	5.00	3.0	43.00	41.866	44.752

Notes

- Tap drill for fine pitch = D − fine pitch.
- Minor diameter shown is the basic external value; internal threads differ slightly.

Free download from instrumentationblog.in. Check values against the current edition of the standard for design work.