

Standard Metric Bolt Charts

Metric Bolt Diameter and Thread Pitch Chart

Bolt Size	Coarse Pitch (mm)	Fine Pitch (mm)
M3	0.5	0.35
M4	0.7	0.5
M5	0.8	0.5
M6	1.0	0.75
M8	1.25	1.0
M10	1.5	1.25 / 1.0
M12	1.75	1.5 / 1.25
M14	2.0	1.5
M16	2.0	1.5
M20	2.5	2.0
M24	3.0	2.0

Metric Bolt Head Sizes Chart

Bolt Size	Hex Head Size (mm)
M5	8
M6	10
M8	13
M10	17
M12	19
M14	22
M16	24
M20	30
M24	36

Metric Bolt Strength Grades Chart

Property Class	Tensile Strength	Typical Use
4.6	Low	Light-duty applications
8.8	Medium	Automotive, machinery
10.9	High	Structural, heavy-duty
12.9	Very High	High-stress applications