

Metric Thread Sizes

Mechanical Engineering

Coarse pitches and tensile stress areas for the common metric sizes.

ISO metric coarse thread. Coarse is the default when no pitch is written.

Size	Coarse pitch	Stress area
M6	1.00 mm	20.1 mm ²
M8	1.25 mm	36.6 mm ²
M10	1.50 mm	58.0 mm ²
M12	1.75 mm	84.3 mm ²
M16	2.00 mm	157 mm ²
M20	2.50 mm	245 mm ²

M10×1.25 is a fine pitch: more stress area and better vibration resistance, but less tolerance of damage.