Screw Gauge to MM Converter

Pick a screw gauge (#6, #8, #10...) and get the diameter in inches and millimeters - or enter millimeters to find the nearest gauge. No more guessing what #8 means.

How it works

US screw gauge runs on a formula, not a table: diameter in inches = 0.060 + 0.013 x gauge number. So #6 is 0.138 in (3.51 mm) and #10 is 0.190 in (4.83 mm). Above #12 the trade switches to fractional sizes (1/4 in and up), which is why the gauge numbers skip. Metric screws skip gauge entirely - M4 means 4 mm - which is why the converter also runs in reverse.

For live values, use the interactive calculator: bookoffasteners.com/calculators/screw-gauge-converter/

Reference values only — verify against the governing standard or manufacturer before use.