



THREADED RODS & NUTS

Metric threaded-rod and matching hexagon-nut table.

Threaded rod size	Standard coarse pitch	Matching hexagon nut	Typical rod materials	Typical nut materials
M3	0.50 mm	M3 nut	Zinc-plated steel, stainless steel A2/A4, brass	Zinc-plated steel, stainless steel A2/A4
M4	0.70 mm	M4 nut	Zinc-plated steel, stainless steel A2/A4, brass	Zinc-plated steel, stainless steel A2/A4
M5	0.80 mm	M5 nut	Mild steel, zinc-plated steel, stainless steel A2/A4	Zinc-plated steel, stainless steel A2/A4
M6	1.00 mm	M6 nut	Mild steel, zinc-plated steel, stainless steel A2/A4	Zinc-plated steel, stainless steel A2/A4
M8	1.25 mm	M8 nut	Mild steel, zinc-plated steel, stainless steel A2/A4	Grade 8 steel, stainless steel A2/A4
M10	1.50 mm	M10 nut	Mild steel, zinc-plated steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4
M12	1.75 mm	M12 nut	Mild steel, zinc-plated steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4
M14	2.00 mm	M14 nut	Carbon steel, zinc-plated steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4
M16	2.00 mm	M16 nut	Carbon steel, 8.8-grade steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4
M18	2.50 mm	M18 nut	Carbon steel, alloy steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4
M20	2.50 mm	M20 nut	Carbon steel, 8.8-grade steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4



Threaded rod size	Standard coarse pitch	Matching hexagon nut	Typical rod materials	Typical nut materials
M22	2.50 mm	M22 nut	Carbon steel, alloy steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4
M24	3.00 mm	M24 nut	Carbon steel, alloy steel, stainless steel A2/A4	Grade 8 or 10 steel, stainless steel A2/A4
M27	3.00 mm	M27 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M30	3.50 mm	M30 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M33	3.50 mm	M33 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M36	4.00 mm	M36 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M39	4.00 mm	M39 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M42	4.50 mm	M42 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M45	4.50 mm	M45 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M48	5.00 mm	M48 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4
M52	5.00 mm	M52 nut	Alloy steel, stainless steel A2/A4	Grade 10 steel, stainless steel A2/A4

For a high-strength assembly, use a rod and nut of compatible strength classes, such as an 8.8 threaded rod with a class 8 nut or a 10.9 rod with a class 10 nut. Stainless steel threaded rods and nuts are commonly available in A2 and A4 grades, while threaded rods can also be made from galvanized steel, mild steel, brass, copper, aluminium, and titanium.

Important: M10, M12, M16, and other sizes may also be supplied with fine pitches, so an M10 × 1.25 rod requires an M10 × 1.25 nut—not the standard M10 × 1.50 nut.

