

Screws & Bolts

Material

A4 steel

very low magnetic activity, chemically resistant, fairly costly

→ preferred material for screws in the experiment

Zinc plated steel

cheap, strong ferromagnetism, screws tend to stick excessively in aluminium threading after a few weeks

→ avoid close to atom experiments and in aluminium

Polyamid (PA)

electrical insulator, thermal insulator, mechanically weak - in particular smallish sizes (M4 and below), tends to give over time

→ not recommended. Better solutions involve polymer washers and/or ceramics

Torx (TX)

Key sizes according to ISO 14583:

M2	M2.5	M3	M4	M5	M6	M8	M10
TX6	TX8	TX10	TX15	TX25	TX30	TX45	TX50

Crosspoint

Phillips (PH)

Pozidriv (PZ)

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