



EN8 Engineering Steel (080M40)

Supplier: Troy Steel (Pty) Ltd

www.troysteel.co.za

Material Description

EN8 is a medium carbon steel offering good strength, toughness, and wear resistance. It is widely used for general engineering applications requiring moderate mechanical properties.

Typical Chemical Composition (% by weight)

Carbon 0.36–0.44

Manganese 0.60–1.00

Silicon 0.10–0.40

Typical Mechanical Properties

Tensile Strength: ~550–700 MPa

Hardness: ~170–225 HB (condition dependent)

Typical Applications

Shafts, axles, keys, studs, pins, and general engineering components

Disclaimer: Guide values only; properties depend on section size and condition of supply. Refer to the relevant standard and mill test certificate for compliance.