

EN1A Free-Cutting Steel

Supplier: Troy Steel (Pty) Ltd

www.troysteel.co.za

Material Description

EN1A is a free-cutting mild steel containing sulphur for excellent machinability. It is ideal for high-speed machining of precision components.

Typical Chemical Composition (% by weight)

Carbon ≤ 0.15

Manganese ≤ 1.30

Sulphur 0.20–0.35

Typical Mechanical Properties

Tensile Strength: ~370–520 MPa

Hardness: ~120–190 HB

Typical Applications

Automatic lathe work, screws, fittings, bushes, and turned 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.