

HIGH TENSILE STEEL - 4140

RELATED SPECIFICATIONS:

Australia	AS 1444-2007 – 4140
Germany	DIN 17212 W.Nr. 1.7223 Type 41CrMo4
	DIN 17200 – 1654 W.Nr 1.7225 Type 42CrMo4
	DIN 17200 W.Nr 1.7227 Type CrMoS4
Great Britain	BS970 – 1955 EN19A
	BS970 Part 3:1991 709M40
USA	AISI 4140
	ASTM A29/A29M-91 4140
	ASTM A322 4140
	ASTM A331 4140 (cold finish)
	SAE 4140
Japan	JIS G 4103 SNCM4
	JIS G 4105 SCM4
	JIS G 4105 SCM440

DESCRIPTION:

4140 is a medium carbon, chromium and molybdenum alloy steel. The normal condition is hardened and tempered to a range of 850 to 1000 Mpa ultimate tensile strength for bar sizes up to 220mm diameter. Limited ruling sections may apply according to Australian Standards

APPLICATIONS:

4140 is an ideal general purpose high tensile constructional steel ready for use after machining. It is used for shafts, axles, studs & bolts, large gears and light duty form rolls. The steel is suitable for induction or flame hardening.

TYPICAL CHEMICAL ANALYSIS:

C %	Si %	Mn %	Cr %	Mo %
0.40	0.25	0.80	0.90	0.20

SIZE RANGE:

Round:

Black:	8mm – 750mm
Peeled:	8mm – 710mm
Turned & Polished:	10mm – 127mm
Precision Ground:	10mm – 110mm
As Rolled:	24mm – 300mm
Hexagonal:	19.05mm - 65mm

FINISHES:

Black, Peeled (K12), Cold Drawn, Turned & Polished (H10, H11), Precision Ground (H9, H8)

COLOUR CODE: BLUEBELL END

