

HIGH TENSILE STEEL - 4340

RELATED SPECIFICATIONS:

Australia	AS 1444-2007 – 4340
Germany	W.Nr 1.6565 34NiCrMo6
Great Britain	BS970 – 1955 EN24 BS970 Part 3:1991 – 817M40
USA	AISI 4340 ASTM A29/A29M - 1991 4340 ASTM A322 4340 SAE 4340 UNS G43400
Japan	JIS G 4103 SNCM439 JIS G 4103 SNCM8

DESCRIPTION:

4340 is a nickel, chromium molybdenum alloy steel. The addition of Molybdenum prevents the steel from being susceptible to temper brittleness. Normal condition of supply is in the quenched and tempered condition with a typical hardness up to 250mm of 248-330 BH and a tensile range of 850-1000 N/mm² for 250mm. Small sections tend to be at the upper tensile range and heavier sections towards the lower end.

APPLICATIONS:

Pulley shafts, gears, pins and axles. Used where higher yield and tensile strength than 4140 is required.

TYPICAL CHEMICAL ANALYSIS:

C %	Si %	Mn %	Cr %	Ni %	Mo %
0.40	0.25	0.70	0.80	1.75	0.25

SIZES RANGE:

Round:

Black: 30mm – 710mm
Peeled: 26mm – 710mm
Turned & Polished: 30mm – 100mm
Precision Ground: 40mm – 76.2mm
As Rolled: 40mm – 285mm

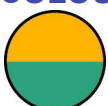
Hexagonal: 25.4mm - 65mm

FINISHES:

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

Please enquire with you Local Branch with regards to availability ex. Stock

COLOUR CODE: MARIGOLD AND JADE END



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