



High Tensile Nickel Chrome Steel Steel AISI 4340

Characteristics

It has high hardenability and is capable of giving good properties in large sections. It is relatively free from temper brittleness and retains useful machinability at relatively high hardness.

Equivalents

Thyssenkrupp 6582, DIN 34NiCrMo6, ASSAB 705, VCN 150, JIS SNCM 439, EN 1.6582, EN 1.6562, HQ 705

Availability

Round bar

Sizes Diameter : 20mm – 300mm

Chemical Composition

C	Si	Mn	P	S	Ni	Cr	Mo
0.38 - 0.43	0.20 - 0.35	0.60 - 0.80	0.40 Max	0.04 Max	1.65 - 2.00	0.70 - 0.90	0.20 - 0.30

Mechanical Properties

Hardening Temp : 820 – 850 C

Ouenching Medium : Oil

Hardness as Supplied : 220 – 250 BHN,

Applications

Automotive crankshafts and rear axle shafts, aircrafts crankshafts, Connecting Rods, Propeller Hubs, Gears, Drive shafts, Landing gear parts and heavy duty parts of rock drill

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