

S156 Alloy Steel - BS S82

Typical Applications

Helicopter and aircraft gears

Motorsport gears



S156 is a high strength VAR steel with a tensile strength of between 1320-1520 MPa.

Material is supplied in the normalised and softened / annealed condition and develops a hard wear resistance case after surface treatment.

Related Products

15Cdv6 Bar Sheet Tube

300M

4130 Bar And Tube

4130 Sheet And Plate

4340

52100

S99

EN24

Hy Tuf

S156

T45

M50 Steel Bar

4330 Alloy Steel

BS S106

Technical specification

Related Specifications

16NCD17

W.Nr 1.6722

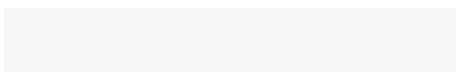
W.Nr 1.6723

BS S82

Specific Gravity

7.8 g/cm³

Chemical Composition (WT %)



Min

Max

C	0.14	0.18
Si	0.10	0.35
Mn	0.25	0.55
P	-	0.015
S	-	0.012
Cr	1.0	1.4
Mo	0.20	0.30
Ni	3.8	4.3
Fe	Bal	-

Typical Mechanical Properties

		Round Bar
0.2% Yield Strength	MPA	427
Tensile Strength	MPA	651
Elongation	%	27
Reduction of area	%	62.5
Hardness	HBW	179

