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

Need more information? ***Get in touch***

General Enquiries

+44(0) 1525 217 556

Email us here

Head Office

40 Eden Way
Chartwell Business Park
Leighton Buzzard
Bedfordshire
LU7 4FY

T: +44 (0)1525 217 556

Conversion Centre

Suite 2 Meadowhall Riverside
Meadowhall Road
Sheffield
South Yorkshire
S9 1BW

T: +44 (0)1143 030 320

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