

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.

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**

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