

MATERIAL DATA SHEET



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ASTM A182 F22

Condition of supply:-	<i>As Rolled/Forged, Annealed, Quenched & Tempered</i>
Surface Condition:-	<i>Black, Bright, Proof machined, Machined to Requirements</i>

Description:

Grade F22 is a Low alloy steel containing nominally 2.25% Chromium. F22 is commonly used as the base metal for clad components. The popularity of F22 stems from its improved weldability over 4130 while maintaining good strength and excellent impact properties

Typical Applications:

F22 is widely used in the oil patch wellhead applications for connectors, hangers and block valves and a wide range of Fittings and Flanges

Typical Chemical Composition:

	C	Si	Mn	S	P	Cr	Mo
Min	0.05		0.30			2.00	0.87
Max	0.15	0.50	0.60	0.040	0.040	2.50	1.13

Mechanical Properties – ASTM A182 F22

Tensile Strength Mpa	Yield Strength	Elongation %	Reduction of area %	Hardness HB
415	205	20	35	170

Machining

F22 is readily machinable allowing processes such as Sawing, Turning, Drilling, Boring and Milling to be relatively easily achieved.

Form of supply:

Material can be supplied, Black Annealed - Rolled/Forged Bar, Proof Machined, Bright Turned or Ground Bar, Cut Pieces or Machined to customer specification.

Size ranges from:

70mm diameter - 850mm diameter