GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4606 (X5NiCrTiMoVB25-15-2)

Standard Specification for Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-3 1.4606 (X5NiCrTiMoVB25-15-2) Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Bars, Rods and Wire

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 - 2.000
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	13.000 - 16.000
Nickel	Ni %	24.000 - 27.000
Molybdenum	Mo %	1.000 - 1.500
Aluminium	Al %	0.350 max.
Boron	B %	0.001 - 0.010
Titanium	Ti %	1.900 - 2.300
Vanadium	V %	0.100 - 0.500
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing or precipitation Hardening

Mechanical Properties	
Tensile Strength in Mpa	880 - 1150
Proof Strength in Mpa	550 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HBW	212 max.
Impact in Joule	50 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
4956 X 6 NiCrTiMoVB 25 15 2	ISO	International	Steel
10269 X 6 NiCrTiMoVB 25-15-2	EN	European Union	Steel
10269 1.4980	EN	European Union	Steel
1.4980	DIN	Germany	Steel
A 35-573 Z 5 NCTDV 25-15 B	AFNOR NF	France	Steel
35-578 Z 5 NCTDV 25-15 B	AFNOR NF	France	Steel
35-577 Z 8 NCTDV 25-15 B FF	AFNOR NF	France	Bars and Wire Rods

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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