GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-2 X2CrNiMoN17-13-5 (4439-317-26-E)

Standard Specification for Corrosion-Resistant Semi-Finished Products, Bars, Rods and Sections

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-2 X2CrNiMoN17-13-5 (4439-317-26-E) Corrosion-Resistant Semi-Finished Products, Bars, Rods and Sections

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

Grade Belongs to the Industry - Bars and Rods

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.500 - 18.500
Molybdenum	Mo %	4.000 - 5.000
Nickel	Ni %	12.500 - 14.500
Nitrogen	N %	0.120 - 0.220
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	580 - 800
Proof Strength in Mpa	315 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10272 1.4439	EN	European Union	Steel and Bars
10028-7 1.4439	EN	European Union	Steel
10283 1.4446	EN	European Union	Steel and Casting
EN 10088-1 1.4439	DIN	Germany	Steel
17441 1.4439	DIN	Germany	Steel
772 (X 2 CrNiMoN 18 14 5)	SFS	Finland	Steel
C.B0.600 C 47702	JUS	Yugoslavia	Steel

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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