GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-2 X5CrNiN19-9 (4315-304-51-I)

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

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-2 X5CrNiN19-9 (4315-304-51-I) 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 %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.500 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	18.000 - 20.000
Nickel	Ni %	7.000 - 10.500
Nitrogen	N %	0.100 - 0.300
Niobium	Nb %	0.150 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 - 750
Proof Strength in Mpa	310 min.
Elongation in %	40 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**
10028-7 X 5 CrNiN 19 9	EN	European Union	Steel
10028-7 1.4315	EN	European Union	Steel
SEW 400 X 5 CrNiN 19-9	DIN	Germany	Steel
SEW 400 1.4315	DIN	Germany	Steel
49-244 X6CrNiN19-9	AFNOR NF	France	Steel
49-244 Z 6 CN 19-09 Az	AFNOR NF	France	Steel
36-209 Z 6 CN 19-09 Az	AFNOR NF	France	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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