GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X2CrNiMo19-14-4 (4438-317-03-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X2CrNiMo19-14-4 (4438-317-03-I) Stainless Steels for General Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.500 - 20.000
Molybdenum	Mo %	3.000 - 4.000
Nickel	Ni %	12.000 - 15.000
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 - 700
Proof Strength in Mpa	270 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1554 317 S 11	B.S.	United Kingdom	Steel and Wire
A 49-244 X3CrNiMoN19-14	AFNOR NF	France	Steel
A 49-244 Z 3 CND 19-14 Az	AFNOR NF	France	Steel
A 35-573 Z 3 CND 19-14 Az	AFNOR NF	France	Steel
A 36-209 Z 3 CND 19-14 Az	AFNOR NF	France	Steel
10028-7 X 2 CrNiMoN 18 12 4	EN	European Union	Steel
10088-2 X 2 CrNiMoN 18 12 4	EN	European Union	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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