GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A479 S35315

Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A479 S35315 Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Bars and Shapes

Chemical Composition		
Carbon	C %	0.040 - 0.080
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.200 - 2.000
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	34.000 - 36.000
Nitrogen	N %	0.120 - 0.180
Cerium	Ce %	0.030 - 0.080
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	650 min.
Yield Strength in Mpa	270 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10095 X6 NiCrSiNCe 35 25	EN	European Union	Steel
SA-240 UNS S35315	ASME	USA	Steel
SA-312 S35135	ASME	USA	Steel and Pipe
A 959 S35315	ASTM	USA	Steel
A 240 S35315	ASTM	USA	Plate, Sheet and Strip
A 167 S35315	ASTM	USA	Plate, Sheet and Strip
A 312 S35315	ASTM	USA	Steel and Pipe

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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