GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-479 S31050

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-479 S31050 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 %	0.025 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Silicon	Si %	0.400 max.
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	20.500 - 23.500
Nitrogen	N %	0.090 - 0.150
Molybdenum	Mo %	1.600 - 2.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	580 min.
Yield Strength in Mpa	270 min.
Elongation in %	25 min.
Reduction of Area in %	40 min.
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 182 F 310MoLN	ASTM	USA	Steel and Pipe
A 213 S31050	ASTM	USA	Steel and Tubing
A 312 S31050	ASTM	USA	Steel and Pipe
A 943 S31050	ASTM	USA	Steel and Pipe
A 959 Type 310MoLN	ASTM	USA	Steel
A 249 S31050	ASTM	USA	Steel and Tubing
49-217 TU Z 1 CND 25 22 Az	AFNOR NF	France	Steel and Tubing

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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