GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A479 N08367

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 N08367 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 %	0.030 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	20.000 - 22.000
Nickel	Ni %	23.500 - 25.500
Nitrogen	N %	0.180 - 0.250
Molybdenum	Mo %	6.000 - 7.000
Copper	Cu %	0.750 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	310 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HB	241 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J94651	UNS	USA	Steel
SA-240 N08367	ASME	USA	Plate, Sheet and Strip
A 249 N08367	ASTM	USA	Steel and Tubing
A 269 N08367	ASTM	USA	Steel
A 276 N08367	ASTM	USA	Bars and Shapes
A 312 N08367	ASTM	USA	Steel and Pipe
A 988 N08367	ASTM	USA	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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