GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A479 Type ER308

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 Type ER308 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 %	0.080 max.
Manganese	Mn %	1.000 - 2.500
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Silicon	Si %	0.250 - 0.600
Chromium	Cr %	19.500 - 22.000
Nickel	Ni %	9.000 - 11.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Strain-Hardening

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	30 min.
Reduction of Area in %	40 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SA-479 ER308	ASME	USA	Steel
J 2515 304	SAE	USA	Steel
J 405 304	SAE	USA	Steel
J 405 304L	SAE	USA	Steel
J 2515 304L	SAE	USA	Steel
5465 308 S 92	B.S.	United Kingdom	Steel
1453 308 S 92	B.S.	United Kingdom	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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