GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6911 304 S2 (X 02Cr19Ni10)

Standard Specification for Stainless Steel Plate, Sheet and Strip Specification

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 6911 304 S2 (X 02Cr19Ni10) Stainless Steel Plate, Sheet and Strip Specification

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Nickel	Ni %	8.000 - 12.000
Chromium	Cr %	17.500 - 20.000
Molybdenum	Mo %	0.700 max.
Sulphur	S %	0.030 max.
Phosphorus	P %	0.045 max.
Titanium	Ti %	0.100 max.
Niobium	Nb %	0.200 max.
Copper	Cu %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	180 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	192 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
3583 2 NiCr 185	STAS	Romania	Steel
AMS 5674 30304L	SAE	USA	Steel and Wire
AMS 5569 30304L	SAE	USA	Steel and Tubing
AMS 5569 304L	AISI	USA	Steel
1449 304L	AS	Australia	Plate, Sheet and Strip
2837 304L	AS	Australia	Steel and Bar
5569.0000	AMS	USA	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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