GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6911 310 (X 20Cr25Ni20)

Standard Specification for Stainless Steel Plate, Sheet and Strip Specification

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 6911 310 (X 20Cr25Ni20) 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 %	0.250 max.
Silicon	Si %	2.500 max.
Manganese	Mn %	2.000 max.
Nickel	Ni %	18.000 - 21.000
Chromium	Cr %	24.000 - 26.000
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	490 min.
Yield Strength in Mpa	210 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	217 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
11532 15 SiNiCr 250	STAS	Romania	Steel
11523 40 SiNiCr 250	STAS	Romania	Steel
AMS-QQ-S-763 310	SAE	USA	Steel, Bars, Wire, Shapes and Forging
QQ-S-763 310	AMS	USA	Steel, Bars, Wire, Shapes and Forging
1449 310	AS	Australia	Plate, Sheet and Strip
G 4311 SUH 310	JIS	Japan	Steel and Bar
A 213 TP310	ASTM	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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