GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-240 Type 316

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-240 Type 316 Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.080 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	0.750 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	10.000 - 14.000
Molybdenum	Mo %	2.000 - 3.000
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	217 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G 4312 SUS 316	JIS	Japan	Plate and Sheet
G 4321 SUS 316A	JIS	Japan	Steel
1554 316 S 14	B.S.	United Kingdom	Steel and Wire
A 167 Type 316	ASTM	USA	Plate, Sheet and Strip
A 479 316L	ASTM	USA	Steel
A 314 316L	ASTM	USA	Bars and Forging
A 666 Type 316L	ASTM	USA	Plate, Sheet, Strip and Bars

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.