GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A276 Type 316

Standard Specification for Stainless Steel Bars and Shapes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A276 Type 316 Stainless Steel Bars and Shapes

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 %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	10.000 - 14.000
Molybdenum	Mo %	2.000 - 3.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	515 min.
Yield Strength in Mpa	205 min.
Elongation in %	40 min.
Reduction of Area in %	50 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S31600	UNS	USA	Bars, Wire, Shapes and Forging
G 4312 SUS 316	JIS	Japan	Plate and Sheet
A 249 TP316	ASTM	USA	Steel and Tubing
A 269 TP316	ASTM	USA	Steel and Tubing
A 312 TP316	ASTM	USA	Steel and Pipe
A 376 TP316	ASTM	USA	Steel and Pipe
A 988 S31600	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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