GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-479 Type 316H

Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-479 Type 316H 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 %	0.040 - 0.100
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 %	30 min.
Reduction of Area in %	40 min.
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S31609	UNS	USA	Steel
D 3576 STS 316HTP	KS	Korea	Steel and Pipe
G 4319 SUS 316 HFB	JIS	Japan	Steel and Forging
G 3463 SUS 316 HTB	JIS	Japan	Steel and Tubing
G 3467 SUS 316 HTF	JIS	Japan	Steel and Tubing
A 213 TP316H	ASTM	USA	Steel and Tubing
A 182 F 316H	ASTM	USA	Steel and Pipe

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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