GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A493 Type 316

Standard Specification for Stainless Steel Wire and Wire Rods for Cold Heading and Cold Forging

Group - Ferrous Stainless Steel Alloys
Sub Group - ASTM A493 Type 316 Stainless Steel Wire and Wire Rods for Cold Heading and Cold Forging
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Wire Rods and Forging

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
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 max.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10263-5 1.4436	EN	European Union	Bars and Wire
10028-7 1.4910	EN	European Union	Steel
J 405 30316	SAE	USA	Steel
A 167 Type 316	ASTM	USA	Plate, Sheet and Strip
A 167 316L	ASTM	USA	Plate, Sheet and Strip
A 182 F 316	ASTM	USA	Steel and Pipe
A 213 TP316	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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