GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A313 Type 316

Standard Specification for Stainless Steel Spring Wire

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A313 Type 316 Stainless Steel Spring Wire

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

Grade Belongs to the Industry - Wire

Chemical Composition		
Carbon	C %	0.070 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	16.500 - 18.000
Nickel	Ni %	10.500 - 13.500
Molybdenum	Mo %	2.000 - 2.500
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	860 - 1070
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**
S31600	UNS	USA	Wire
2837 316	AS	Australia	Bars
J 405 316	SAE	USA	Steel
1449-2 316 S 11	B.S.	United Kingdom	Plate, Sheet and Strip
A 479 316	ASTM	USA	Bars
SA-666 316	ASME	USA	Plate, Sheet, Strip and Bars
D 3698 STS 316	KS	Korea	Plate, Sheet and Strip

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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