GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A313 Type 302 Class 1

Standard Specification for Stainless Steel Spring Wire

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A313 Type 302 Class 1 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 %	0.120 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	8.000 - 10.000
Nitrogen	N %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	895 - 1105
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**
S30200	UNS	USA	Wire
A 167 Type 302	ASTM	USA	Plate, Sheet and Strip
A 240 Type 302	ASTM	USA	Plate, Sheet and Strip
A 276 302	ASTM	USA	Bars and Shapes
A 473 302	ASTM	USA	Forging
A 478 Type 302	ASTM	USA	Steel and Wire
A 314 302	ASTM	USA	Steel and Forging

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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