GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A493 S42010

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

Group - Ferrous Stainless Steel Alloys
Sub Group - ASTM A493 S42010 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 %	0.150 - 0.300
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	13.500 - 15.000
Nickel	Ni %	0.350 - 0.850
Molybdenum	Mo %	0.400 - 0.850
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	690 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**
SA-276 S42010	ASME	USA	Bars and Shapes
A 276 S42010	ASTM	USA	Bars and Shapes
A 959 S42010	ASTM	USA	Steel
1449 430	AS	Australia	Plate, Sheet and Strip
2901-2 430 S 94	B.S.	United Kingdom	Rods and Wire
J 405 51430	SAE	USA	Steel
G 4312 SUS 436J 1L	JIS	Japan	Plate and Sheet

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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