

## Material: JIS SUS 420J2

### Standard Specification for G 4309 Martensitic stainless steel wires

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** JIS SUS 420J2 Martensitic Stainless Steel wires

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.260 - 0.400	Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	12.000 - 14.000		
Nickel	Ni %	0.600 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	540 - 930
-	-	-	Yield Strength in Mpa	225 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in HRC	40 - 99
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4028	EN	European Union	Forging
420	AISI	USA	Bar, Wire, Shapes and Forging
30CH13	GOST	Russia	Bar, Wire, Shapes and Forging
2304	SS	Sweden	Bar, Wire, Shapes and Forging
X 30Cr13	UNI	Italy	Bar, Wire, Shapes and Forging
420 S 45	BS	British	Bar, Wire, Shapes and Forging
A743 CA20	ASTM	USA	Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)