



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNI X 30Cr13

Standard Specification for Martensitic Stainless Steel; Special Alloyed, Corrosion and Heat Resisting, Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - UNI X 30Cr13 Martensitic Stainless Steel; Special Alloyed, Corrosion and Heat Resisting, Stainless Steel

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

Grade Belongs to the Industry - Bar, Wire, Shapes and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.260 - 0.350	Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	12.000 - 14.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 590 min. Yield Strength in Mpa 485 min. Elongation in % 7 min. Reduction of Area in % - Hardness in BHN 45 - 97 Impact in Joule 12 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4028	EN	European Union	Forging
SUS 420J2	JIS	Japan	Forging
30CH13	GOST	Russia	Bar, Wire, Shapes and Forging
2304	SS	Sweden	Bar, Wire, Shapes and Forging
420	AISI	USA	Bar, Wire, Shapes and Forging
420 S 45	BS	British	Bar, Wire, Shapes and Forging
A743 CA20	ASTM	USA	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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