



Material - DIN 1.4404

Standard Specification for Austenitic Stainless Steels Cold Rolled, Strips, Slit, Coil and Sheets

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.4404 Austenitic Stainless Steels Cold Rolled, Strips, Slit, Coil and Sheets

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

Grade Belongs to the Industry - Cold Rolled, Strips, Slit, Coil and Sheets

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	16.500 - 18.500		
Nickel	Ni %	10.000 - 13.000		
Molybdenum	Mo %	2.000 - 2.500		
Nitrogen	N %	0.110 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 440 - 2100 Yield Strength in Mpa 225 min. Elongation in % 12 min. Reduction of Area in % 63 min. Hardness in HB 215 max. Impact in Joule 55 @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4404	EN	European Union	Rod, Bars, Wire and Forging
SUS 316L	JIS	Japan	Hot Rolled Equal Leg Angles
361L	AISI	USA	Bar, Wire, Strip, Plat, Sheet and Forging
316 S11	BS	British	Forging
03CH17N14M3	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging
A743 CF3M	ASTM	USA	Casting
A351 CF13M	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

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