

## Material: DIN 1.4306

### Standard Specification for Iron-Chromium-Nickel, Cold Rolled, Strips, Slit, Coil and Sheets

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** DIN 1.4306 Iron-Chromium-Nickel, 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 %	18.000 - 20.000		
Nickel	Ni %	10.000 - 12.500		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	440 - 2100
-	-	-	Yield Strength in Mpa	180 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	63 min.
-	-	-	Hardness in HB	215 max.
-	-	-	Impact in Joule	55 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4307	EN	European Union	Rod, Bars, Wire and Forging
304 S11	BS	British	Bright Bars, Hot Rolled and Cold Rolled, Coil
SUS 304L	JIS	Japan	Hot Rolled Equal Leg Angles
04CH 18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging
304L	AISI	USA	Bar, Wire, Strip, Plat, Sheet and Forging
A743 CF3	ASTM	USA	Casting
A351 CF3	ASTM	USA	Casting

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