

Material: SAE 429

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications

Group: Ferrous Stainless Steel Alloys

Sub Group: SAE 429 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry: Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 max.	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 %	14.000 - 16.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 min. Yield Strength in Mpa 205 min. Elongation in % 22 min. Reduction of Area in % - Hardness in HB 183 max. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S42900	ASTM	USA	Steel, Plate, Sheet and Strip
S42900	UNS	USA	Steel
STS 429	KS	Korea	Steel, Sheet, Plate and Strip
SUS 429	JIS	Japan	Steel, Sheet, Plate and Strip
A182 F429	ASTM	USA	Steel, Pipe and Forging
A276 429	ASTM	USA	Steel, Bar and Shapes
A959 Type 429	ASTM	USA	Steel

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