

Material: EN 1.4028

Standard Specification for Open Die Steel Forgings for General Engineering Purposes; Martensitic Stainless Steel

Group: Ferrous Stainless Steel Alloys

Sub Group: EN 1.4028 Open Die Steel Forgings for General Engineering Purposes; Martensitic Stainless Steel

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 - 0.350	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 500 - 2100 Yield Strength in Mpa 600 min. Elongation in % 7 min. Reduction of Area in % - Hardness in HRC 45 - 97 Impact in Joule -	
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-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
420	AISI	USA	Bar, Wire, Shapes and Forging
SUS 420J2	JIS	Japan	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

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