

Material - ASTM A 176 Type 420

Standard Specification for Steel Plate, Sheet and Strip for General Engineering Purposes Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A 176 Type 420 Steel Plate, Sheet and Strip for General Engineering Purposes Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		lizing or Hardoning and
Phosphorus	P %	0.040 max.		e e
Sulphur	S %	0.030 max.		Б
Chromium	Cr %	12.000 - 14.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	690 max.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	217 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
420C28	BS	British	Casting	
420C29	BS	British	Casting	
420	SAE	USA	Sheet, Strip and Plate	
420	AISI	USA	Forging	
A 176 S42000	ASTM	USA	Steel Plate, Sheet and Strip	
A 314 420	ASTM	USA	Billets and Bars for Forging	
A 314 S42000	ASTM	USA	Billets and Bars for Forging	

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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