



Material - ASTM A176 Type 422

Standard Specification for Stainless and Heat Resisting Chromium Steel Plate, Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A176 Type 422 Stainless and Heat Resisting Chromium Steel Plate, Sheet and Strip

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 - 0.250	Annealing or Hardening + Tempering	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.500 - 1.000		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	11.000 - 12.500		
Nickel	Ni %	0.500 - 1.000		
Molybdenum	Mo %	0.900 - 1.250		
Vanadium	V %	0.200 - 0.300		
Tungsten	W %	0.900 - 1.250		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HRC 24 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4935	DIN	Germany	Casting
SUH 616	JIS	Japan	Bar and Wire
20 VNiMoCr 120	STAS	Romania	Casting
S 42100	UNS	USA	Casting
X 20 CrMoWV 12-1	DIN	Germany	Casting
422	AISI	USA	Bar, Wire, Shapes and Forging
A743 CA28MWV	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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