

Material: UNI G 17 CrMo 5-5

Standard Specification for Structural and Construction Steels

Group: Ferrous Mild Steel Alloys

Sub Group: UNI G 17 CrMo 5-5 Structural and Constructional Steels

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.200	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 1.000		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	1.000 - 1.500		
Nickel	Ni %	0.400 max.		
Molybdenum	Mo %	0.450 - 0.650		
Vanadium	V %	0.050 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 490 - 690 Yield Strength in Mpa 315 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 J @ RT	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
369 G-17 CrMo 5-5	SFS	Finland	Casting
621	BS	British	Plate
A541 G. 11 Class 4	ASTM	USA	Forging
J12073	UNS	USA	Casting
A217 WC11	ASTM	USA	Casting
A217 WC6	ASTM	USA	Casting
A356 6	ASTM	USA	Casting

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