

Material: IS 1030 Grade 200-400N
Standard Specification for for Carbon Steel Castings for General Purposes

Group: Ferrous Mild Steel Alloys
Sub Group: IS 1030 Carbon Steel Casting for General Application Purpose
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade
Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.040 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa or Hardening	400 min.
-	-	-	Yield Strength in Mpa	200 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	40 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	30 min. @ RT
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA 216 WCB	ASME	USA	Casting
A757 A1Q	ASTM	USA	Casting
J03002	UNS	USA	Casting
1.0619	DIN	Germany	Casting
1.0619	EN	European Union	Casting
A660 WCB	ASTM	USA	Fusion Welding, Bending and Forming
SA 660 WCB	ASME	USA	Centrifugal Casting

