

Material: BDS 1.6220

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BDS 1.6220 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.170 - 0.230	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 - 1.600		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.150 max.		
Nickel	Ni %	0.800 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 480 - 650 Yield Strength in Mpa 300 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 50 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AM2	BS	British	Casting
2074/C3	AS	Australia	Casting
1.622	ONORM	Australia	Casting
1.622	EN	European Union	Casting
1.622	DIN	Germany	Casting
1.622	SS	Sweden	Casting
1.622	UNE	Spain	Casting

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