

Material: AS 2074/C3

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: AS 2074/C3 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 %	0.250 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.900 max.		
Phosphorus	P %	0.060 max.		
Sulphur	S %	0.060 max.		
Chromium	Cr %	0.250 max.		
Molybdenum	Mo %	0.150 max.		
Nickel	Ni %	0.400 max.		
Copper	Cu %	0.300 max.		
Other	Ot %	0.800 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 430 min. Yield Strength in Mpa 230 min. Elongation in % 17 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AM2	BS	British	Casting
1.622	ONORM	Australia	Casting
1.622	EN	European Union	Casting
1.622	BDS	Bulgaria	Casting
1.622	DIN	Germany	Casting
1.622	SS	Sweden	Casting
1.622	UNE	Spain	Casting

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