

# Material: AS 2074/L3A

## Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** AS 2074/L3A 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		
Carbon	C %	0.120 max.
Silicon	Si %	0.600 max.
Manganese	Mn %	0.800 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Nickel	Ni %	3.000 - 4.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	460 min.
Yield Strength in Mpa	280 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	134 - 187
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BL2	BS	British	Casting
503 LT 60	BS	British	Casting
20 N12-M	AFNOR NF	France	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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