

## Material: IS 2708 Grade 3

### Standard Specification for Steel Castings for General Engineering Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** IS 2708 Grade 3 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 - 0.330	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.200 - 1.600		
Phosphorus	P %	0.050 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	690 min.
			Yield Strength in Mpa	495 min.
			Elongation in %	13 min.
			Reduction of Area in %	-
			Hardness in BHN	201 - 255
			Impact in Joule	22 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A5	BS	British	Casting
A6	BS	British	Casting
2074/L1B	AS	Australia	Casting
2708 Grade 2	IS	India	Casting
1527	SAE	USA	Casting
1527	AISI	USA	Bar
A 830 1527	ASTM	USA	Casting

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