



## Material - IS 2708 Grade 2

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

**Group - Ferrous Mild Steel Alloys** 

Sub Group - IS 2708 Grade 2 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		
Silicon	Si %	0.600 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.200 - 1.600		olizing or Hardoning and
Phosphorus	P %	0.050 max.		-
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-		Tensile Strength in Mpa	620 min.
-	-	-	Yield Strength in Mpa	370 min.
-	-	-	Elongation in %	13 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	179 - 229
-	-	-	Impact in Joule	17 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 3	IS	India	Casting	
1527	SAE	USA	Casting	
1527	AISI	USA	Bar	
A 830 1527	ASTM	USA	Casting	

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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