



## Material - IS 2708 Grade 1

## Standard Specification for Steel Castings for General Engineering Purposes

**Group - Ferrous Mild Steel Alloys** 

Sub Group - IS 2708 Grade 1 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 %	0.180 - 0.250		
Silicon	Si %	0.600 max.	As Cast or Annealing or Normalizing or Hardening an Tempering	
Manganese	Mn %	1.200 - 1.600		alizing or Hardoning and
Phosphorus	P %	0.050 max.		
Sulphur	S %	0.050 max.		i ig
Iron	Fe %	Balance		
-	-	-		
-	-			
-	-	-	Mechanical Properties	
-	-		Tensile Strength in Mpa	520 min.
-	-		Yield Strength in Mpa	320 min.
-	-	-	Elongation in %	16 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	152 - 207
-	-	-	Impac <mark>t in Joule</mark>	30 J @ RT

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
A4	BS	British	Casting	
2074/L1A	AS	Australia	Casting	
1524	SAE	USA	Casting	
1524	AISI	USA	Casting	
A 29 1524	ASTM	USA	Bar	
A 510 1524	ASTM	USA	Wire and Rod	
A 519 1524	ASTM	USA	Tube	

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.