



## Material - BDS 1.0625

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

Group - Ferrous Mild Steel Alloys

Sub Group - BDS 1.0625 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	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.800 - 1.200		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 max.		
Nickel	Ni %	0.400 max.		
Molybdenum	Mo %	0.120 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      480 - 640 Yield Strength in Mpa      280 min. Elongation in %      22 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      27 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AL2	BS	British	Casting
AL3	BS	British	Casting
UC 14	ONORM	Australia	Wire and Rod
1.0625	ONORM	Australia	Casting
GP 280 GH	ONORM	Australia	Casting
1.0625	NBN	Belgium	Casting
GP 280 GH	NBN	Belgium	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](mailto:marketing@gravitycastindia.com)**

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