



Material - UNS J04502

Standard Specification for Steel Castings, Carbon and Alloy, Chemical Requirements Similar to Standard

Group - Ferrous Mild Steel Alloys

Sub Group - UNS J04502 Steel Castings, Carbon and Alloy, Chemical Requirements Similar to Standard

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.430 - 0.500	As- Cast or Normalising or Annealing or Hardening + Tempering			
Silicon	Si %	0.300 - 0.600				
Manganese	Mn %	0.500 - 0.900				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.040 max.				
Iron	Fe %	Balance				
-	-	-	Mechanical Properties			
-	-	-				
-	-	-				
-	-	-			Tensile Strength in Mpa	-
-	-	-			Yield Strength in Mpa	-
-	-	-			Elongation in %	-
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in BHN	-
-	-	-			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A915 Grade SC 1045	ASTM	USA	Casting
1045	AISI	USA	Bar, Wire, Tube and Forging
1045	SAE	USA	Bar, Wire, Tube and Forging
1045	AS	Australia	Bar, Wire, Tube and Forging
1045	AMS	USA	Bar, Wire, Tube and Forging
A 108 1045	ASTM	USA	Bar, Wire, Tube and Forging
A 29 1045	ASTM	USA	Bar, Wire, Tube and Forging

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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