

Material: ASTM A 576 1522

Standard Specification for Steel Castings Bar for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 576 1522 Steel Castings Bar for General Engineering Purposes

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

Grade Belongs to the Industry: Bar

Chemical Composition		
Carbon	C %	0.180 - 0.240
Manganese	Mn %	1.100 - 1.400
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Boron	B %	0.0005 - 0.003
Copper	Cu %	0.200 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

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
AL1	BS	British	Casting
1522	SAE	USA	Casting
1522	AISI	USA	Bar
1.0044	ONORM	Australia	Casting
1.0138	ONORM	Australia	Casting
A 29 1522	ASTM	USA	Bar
A 510 1522	ASTM	USA	Wire and Rod

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