

## Material: AMS 1025

### Standard Specification for Steel, Sheet, Strip, Uncoated and Carbon

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** AMS 1025 Steel, Sheet, Strip, Uncoated and Carbon

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

**Grade Belongs to the Industry:** Bar, Wire, Tube and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.220 - 0.300	As- Cast or Normalizing or Annealing or Hardening + Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
-	-	-		
-	-	-		
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-	-	-		
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-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	380 min.
-	-	-	Yield Strength in Mpa	249 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02508	UNS	USA	Casting
1025.0000	AISI	USA	Bar, Wire, Tube and Forging
1025.0000	SAE	USA	Bar, Wire, Tube and Forging
S1025	AS	Australia	Bar, Wire, Tube and Forging
A915 Grade SC 1025	ASTM	USA	Casting
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