

## Material: AISI 1016

## **Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Tubing**

## **Group: Ferrous Mild Steel Alloys**

## **Sub Group: AISI 1016 Steel Compositions For Forging To Hot-Rolled And Cold-Finished Tubing**

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

## **Grade Belongs to the Industry: *Tubing***

Heat Treatment	
As Raw or Annealing or Normalizing or Hardening and Tempering	
Mechanical Properties	
Tensile Strength in Mpa	380 - 689
Yield Strength in Mpa	210 min
Elongation in %	13 min.
Reduction of Area in %	40 - 50
Hardness in HB	111 - 121
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10160	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1016	SAE	USA	Bars, Wire Rods and Tubing
A 1040 1016	ASTM	USA	Steel
A 108 Grade 1016	ASTM	USA	Steel and Bar
A 29 1016	ASTM	USA	Steel and Bar
A 510 1016	ASTM	USA	Wire Rods
A 512 Grade 1016	ASTM	USA	Tubing

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