

Material: AISI 1017

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

Group: Ferrous Mild Steel Alloys

Sub Group: AISI 1017 Carbon 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

Chemical Composition			Heat Treatment	
Carbon	C %	0.140 - 0.210	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.035 Max.		
Sulphur	S %	0.035 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Cross Reference Table			Mechanical Properties	
Tensile Strength in Mpa			370 - 410	
Yield Strength in Mpa			200 min.	
Elongation in %			18 min.	
Reduction of Area in %			40 - 50	
Hardness in HB			105 - 116	
Impact in Joule			-	
Material	Standard	Country	Grade Belong to the Industry	
G10170	UNS	USA	Bars, Wire Rods and Tubing	
1017	SAE	USA	Steel and Bar	
A 1040 1017	ASTM	USA	Steel	
A 29 1017	ASTM	USA	Steel and Bar	
A 29 M1017	ASTM	USA	Steel and Bar	
A 510 1017	ASTM	USA	Wire Rod and Round Wire	
A 513 Grade 1017	ASTM	USA	Tubing	

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