

Material: ASTM A 29 1095

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel and Bar

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 29 1095 Carbon Steel Compositions For Forging To Hot-Rolled Steel and Bar

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

Grade Belongs to the Industry: Steel and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.900 - 1.030	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.500		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Silicon	Si %	0.100 max.		
Aluminium	Al %	0.020 max.		
Boron	B %	0.0005 - 0.003		
Copper	Cu %	0.200 max.		
Niobium	Nb %	0.015 max.		
			Mechanical Properties	
Vanadium	V %	0.020 max.	Tensile Strength in Mpa	680 - 1379
Iron	Fe %	Balance	Yield Strength in Mpa	460 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	25 - 40
-	-	-	Hardness in HB	302 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10950	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1095	SAE	USA	Strip and Steel
1095	AISI	USA	Steel and Bar
A 1040 1095	ASTM	USA	Steel
A 108 Grade 1095	ASTM	USA	Steel and Bar
A 510 1095	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 10L95	ASTM	USA	Steel and Bar

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