

Material: ASTM A 576 1212

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 576 1212 Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

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

Grade Belongs to the Industry: Steel and Bar

Heat Treatment

Mechanical Properties	
Tensile Strength in Mpa	390 - 540
Yield Strength in Mpa	230 min.
Elongation in %	10 min.
Reduction of Area in %	35 - 45
Hardness in HB	110 - 255
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G12120	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1212	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1212	AISI	USA	Steel and Bar
A 1040 1212	ASTM	USA	Steel
SA-29 1212	ASME	USA	Steel
A 108 Grade 1212	ASTM	USA	Steel and Bar
A 29 1212	ASTM	USA	Steel and Bar

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