

Material - ASME SA-29 Grade 1012

Standard Specification for Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished, General Requirements For

Group - Ferrous Mild Steel Alloys

Sub Group - ASME SA-29 Grade 1012 Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished, General Requirements For

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries Grade Belongs to the Industry - Steel and Bars

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.150		
Manganese	Mn %	0.300 - 0.600	As-Raw or Annealing or Normalizing or Hardening Tempering	
Phosphorus	P %	0.040 max.		malizing or Hardoning I
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		IIIB
-	-			
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	7 -	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	-
-	-	-	Impact in Joule	-

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Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
G10120	UNS	USA	Forging and Bars	
SAE J 403 1012	AISI	USA	Bars, Wire Rods and Tubing	
J 403 1012	SAE	USA	Steel	
A 576 1012	ASTM	USA	Steel and Bars	
A 510 1012	ASTM	USA	Steel and Wire Rods	
A 519 1012	ASTM	USA	Steel and Tubing	
A 512 Grade 1012	ASTM	USA	Tubing	

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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