

Material - ASTM A 513 Grade 1023

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 513 Grade 1023 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 %	0.200 - 0.250	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		
-	-	-	Mechanical Properties Tensile Strength in Mpa 370 - 430 Yield Strength in Mpa 210 min Elongation in % 15 min. Reduction of Area in % 40 - 50 Hardness in HB 111 - 121 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10230	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1023	SAE	USA	Steel
1023	AISI	USA	Steel and Bar
A 1040 1023	ASTM	USA	Steel
A 29 1023	ASTM	USA	Steel and Bar
A 29 M1023	ASTM	USA	Steel and Bar
A 510 1023	ASTM	USA	Wire Rod and Round Wire

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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