

Material - ASME SA-311 1018 Class A

Standard Specification for Hot Rolled Medium and High Tensile Structural Steel

Group - Ferrous Mild Steel Alloy

Sub Group - ASME SA-311 1018 Class A Hot Rolled Medium and High Tensile Structural Steel Application - Intended for Valve, Pump, General Engineering, Construction and Other Industries Grade Belongs to the Industry - Steel, Plate, Wire, Rod, Tube and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.200		
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.040 max.	Quench and Temper	
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	380 min.
-		-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
2062 E 350	IS	India	Steel, Plate, Wire, Rod, Tube and Forging	
1018	SAE	USA	Steel, Plate, Wire, Rod, Tube and Forging	
1018	AISI	USA	Steel, Plate, Wire, Rod, Tube and Forging	
A 830 G10180	ASTM	USA	Steel, Plate, Wire, Rod, Tube and Forging	
G10180	UNS	USA	Steel, Bar, Wire, Rod, Tube and Forging	
SA-29 1018	ASME	USA	Steel, Plate, Wire, Rod, Tube and Forging	
SA-513 1018	ASME	USA	Steel, Plate, Wire, Rod, Tube and Forging	

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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