

# Material: ASTM A731 TP XM-8

## Standard Specification for Castings, Seamless and Welded Ferritic Stainless Steel Pipe

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** ASTM A731 TP XM-8 Seamless and Ferritic Stainless Steel Pipe

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

**Grade Belongs to the Industry:** Pipe

Chemical Composition		
Carbon	C %	0.070 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	0.500 max.
Ni+Cu	Ni% + Cu%	0.500 max.
Nitrogen	N %	0.040 max.
Aluminium	Al %	0.150 max.
Titanium	Ti %	1.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment	
Normalizing or Annealing or Hardening + Tempering	

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	205 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-731 TP XM-8	ASME	USA	Pipes
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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