GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-276 Type XM-10

Standard Specification for Stainless Steel Bars and Shapes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-276 Type XM-10 Stainless Steel Bars and Shapes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Bars and Shapes

Chemical Composition		
Carbon	C %	0.080 max.
Manganese	Mn %	8.000 - 10.000
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	19.000 - 21.500
Nickel	Ni %	5.500 - 7.500
Nitrogen	N %	0.150 - 0.400
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	345 min.
Elongation in %	45 min.
Reduction of Area in %	60 min.
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S21900	UNS	USA	Steel
A 276 XM-10	ASTM	USA	Steel, Bars and Shapes
A 814 Grade TP XM-10	ASTM	USA	Steel and Pipe
A 813 Grade TP XM-10	ASTM	USA	Steel and Pipe
A 314 XM-10	ASTM	USA	Steel and Bars
A 473 XM-10	ASTM	USA	Steel
A 312 TPXM-10	ASTM	USA	Steel and Pipe

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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