GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A276 Type XM-21

Standard Specification for Stainless Steel Bars and Shapes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A276 Type XM-21 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 %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	18.000 - 20.000
Nickel	Ni %	8.000 - 10.000
Nitrogen	N %	0.160 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	345 min.
Elongation in %	30 min.
Reduction of Area in %	50 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S30452	UNS	USA	Steel
J 405 XM-21	SAE	USA	Steel
G 4309 SUS 304 N1	JIS	Japan	Wire and Forging
SA-276 XM-21	ASME	USA	Bars and Shapes
SA-240 Type XM21	ASME	USA	Plate, Sheet and Strip
A 240 Type XM-21	ASTM	USA	Plate, Sheet and Strip
A 959 Type XM-21	ASTM	USA	Steel

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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