GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A479 Type XM-17

Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A479 Type XM-17 Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels

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 %	7.500 - 9.000
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	17.500 - 20.500
Nickel	Ni %	5.000 - 7.000
Nitrogen	N %	0.250 - 0.500
Molybdenum	Mo %	2.000 - 3.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Strain-Hardening

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	345 min.
Elongation in %	40 min.
Reduction of Area in %	50 min.
Hardness in HB	212 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J 405 XM-17	SAE	USA	Steel
J 405 XM-18	SAE	USA	Steel
SA-479 XM-17	ASME	USA	Steel and Bars
A 492 Type XM-17	ASTM	USA	Steel and Wire
A 959 Type XM-17	ASTM	USA	Steel
A 492 Type XM-18	ASTM	USA	Steel and Wire
A 959 Type XM-18	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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