GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-479 Type 403

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-479 Type 403 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 %	0.150 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	0.500 max.
Chromium	Cr %	11.500 - 13.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing

Mechanical Properties	
Tensile Strength in Mpa	895 min.
Yield Strength in Mpa	690 min.
Elongation in %	12 min.
Reduction of Area in %	35 min.
Hardness in BHN	331 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S40300	UNS	USA	Bars, Wire, Shapes and Forging
SAE AMS-QQ-S-763 403	AISI	USA	Bars, Wire, Shapes and Forging
A 479 Type 403	ASTM	USA	Bars and Shapes
A 314 403	ASTM	USA	Bars and Forging
A 580 Type 403	ASTM	USA	Steel and Wire
A 959 Type 403	ASTM	USA	Steel
A 473 403	ASTM	USA	Steel 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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