GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-403 WP6XN

Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-403 WP6XN Wrought Austenitic Stainless Steel Piping Fittings

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

Grade Belongs to the Industry - Steel and Pipe

Chemical Composition		
Carbon	C %	0.030 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	23.500 - 25.500
Chromium	Cr %	20.000 - 22.000
Molybdenum	Mo %	6.000 - 7.000
Nitrogen	N %	0.180 - 0.250
Copper	Cu %	0.750 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	310 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J94651	UNS	USA	Steel
A 240 N08367	ASTM	USA	Plate, Sheet and Strip
A 249 N08367	ASTM	USA	Steel and Tubing
A 276 N08367	ASTM	USA	Steel and Bar
SA-240 UNS N08367	ASME	USA	Steel
SA-312 UNS N08367	ASME	USA	Steel and Pipe
SA-409 UNS N08367	ASME	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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