GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-403 WP700

Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-403 WP700 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 %	0.040 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	24.000 - 26.000
Chromium	Cr %	19.000 - 23.000
Molybdenum	Mo %	4.300 - 5.000
Copper	Cu %	0.500 max.
Niobium	Nb %	0.008 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	240 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**
SA-182 Grade F 700	ASME	USA	Steel and Forging
10250-4 1.4539	EN	European Union	Steel
10028 -7 1.4539	EN	European Union	Steel
EN 10088-3 1.4539	DIN	Germany	Steel
SEW 400 1.4539	DIN	Germany	Steel
14485	NS	Norway	Steel
142562 2562	SS	Sweden	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.