GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-234 WP24

Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and Hign Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASME SA-234 WP24 Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and Hign Temperature Service

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

Grade Belongs to the Industry - Steel and Pipe

Chemical Composition		
Carbon	C %	0.050 - 0.100
Manganese	Mn %	0.300 - 0.700
Phosphorus	P %	0.020 max.
Sulphur	S %	0.010 max.
Silicon	Si %	0.150 - 0.450
Chromium	Cr %	2.200 - 2.600
Molybdenum	Mo %	0.900 - 1.100
Copper	Cu %	0.750 - 1.250
Aluminium	Al %	0.020 max.
Boron	B %	0.0015 - 0.0070
Nitrogen	N %	0.120 max.
Titanium	Ti %	0.060 - 0.100
Vanadium	V %	0.200 - 0.300
Iron	Fe %	Balance
-	-	-

Heat Treatment
Normalizing & Tempering or As-Raw

Mechanical Properties	
Tensile Strength in Mpa	585 min.
Yield Strength in Mpa	415 min.
Elongation in %	28 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K30736	UNS	USA	Steel
SA-213 T24	ASME	USA	Steel and Tubing
A 213 T24	ASTM	USA	Steel and Tubing
7CrMoVTiB10-10 - 1.7378	EN	European Union	Steel and Tubing
10216-2 7CrMoVTiB10-10	EN	European Union	Pipe and Tubing
C.B5.022 C 7401	JUS	Yugoslavia	Steel and Tubing
A 182 F24	ASTM	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

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.