GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-234 WP11 CL2

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 WP11 CL2 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 - 0.200
Manganese	Mn %	0.300 - 0.800
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Silicon	Si %	0.500 - 1.000
Chromium	Cr %	1.000 - 1.500
Molybdenum	Mo %	0.440 - 0.650
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Isothermal-Annealing or Normalizing or Normalizing & Tempering or As-Raw

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	275 min.
Elongation in %	30 min.
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**
K11572	UNS	USA	Steel
K11597	UNS	USA	Steel
SA-182 Grade F 11	ASME	USA	Steel and Pipe
SA-199 Grade T11	ASME	USA	Steel and Tubing
SA-213 Grade T11	ASME	USA	Steel and Tubing
G 4109 SCMV 3	JIS	Japan	Steel and Plate
G 3203 SFVA F 11A	JIS	Japan	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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