GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-372 Grade D

Standard Specification for Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels

Group - Ferrous Mild Steel Alloys
Sub Group - ASME SA-372 Grade D Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Forgings

Chemical Composition		
Carbon	C %	0.400 - 0.500
Manganese	Mn %	1.400 - 1.800
Phosphorus	P %	0.015 max.
Sulphur	S %	0.010 max.
Silicon	Si %	0.150 - 0.350
Molybdenum	Mo %	0.170 - 0.270
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalising or Normalising & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	725 - 895
Yield Strength in Mpa	450 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in BHN	217 min.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K14508	UNS	USA	Steel
SA-372 Type IV	ASME	USA	Steel and Forging
A 372 Grade D	ASTM	USA	Steel and Forging
323 43 MoMn 16	STAS	Romania	Steel
17115 1.6542	DIN	Germany	Steel
17115 24 MnNiCrMo	DIN	Germany	Steel
6323-4 CFS 9	B.S.	United Kingdom	Steel and Tubing

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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