GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-487 Grade CA15 Class C

Standard Specification for Steel Castings Suitable for Pressure Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-487 Grade CA15 Class C Steel Castings Suitable for Pressure Service

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

Grade Belongs to the Industry - Castings

Chemical Composition		
Carbon	C %	0.150 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Silicon	Si %	1.500 max.
Vanadium	V %	0.050 max.
Molybdenum	Mo %	0.500 max.
Copper	Cu %	0.500 max.
Chromium	Cr %	11.500 - 14.000
Tungsten	W %	0.100 max.
Nickel	Ni %	1.000 max.
Other	Ot %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
Normalizing or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	620 min.
Yield Strength in Mpa	415 min.
Elongation in %	18 min.
Reduction of Area in %	35 min.
Hardness in HRC	235 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J91171	UNS	USA	Steel and Castings
10283 1.4011	EN	European Union	Steel and Casting
10283 GX 12 Cr 12	EN	European Union	Steel and Casting
3583 10 Cr 130	STAS	Romania	Steel
3583 7 AlCr 130	STAS	Romania	Steel
1449 410	AS	Australia	Steel
1449 410S	AS	Australia	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

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