

Material - ASTM A487 CA15M(A)

Standard Specification for Steel Castings Suitable for Pressure Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A487 / AA87M Steel Castings Suitable for Pressure Service

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	0.650 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	11.500 - 14.000		
Nickel	Ni %	1.000 max.		
Molybdenum	Mo %	0.150 - 1.000		
Copper	Cu %	0.500 max.		
Vanadium	V %	0.050 max.	Mechanical Properties	
Tungsten	W %	0.100 max.	Tensile Strength in Mpa	620 - 795
Other	Ot %	0.500 max.	Yield Strength in Mpa	450 min.
Iron	Fe %	Balance	Elongation in %	18 min.
-	-	-	Reduction of Area in %	30 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CA 15M	ASTM	USA	Casting
SA-487 Grade CA 15M	ASME	USA	Casting
SA-487 Grade CA 15MA	ASME	USA	Casting
J91151	UNS	USA	Casting
410	SAE	USA	Bar, Wire, Shape and Forging
A 217 CA 15	ASTM	USA	Casting
A743 CA 15	ASTM	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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