

Material: ASTM A487 10(A)

Standard Specification for Steel Castings Suitable for Pressure Service

Group: Ferrous Mild 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 %	0.300 max.	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	0.800 max.		
Manganese	Mn %	0.600 - 1.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.550 - 0.900		
Nickel	Ni %	1.400 - 2.000		
Molybdenum	Mo %	0.200 - 0.400		
Copper	Cu %	0.500 max.		
Vanadium	V %	0.030 max.		
Tungsten	W %	0.100 max.	Mechanical Properties Tensile Strength in Mpa 690 min. Yield Strength in Mpa 485 min. Elongation in % 18 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
Other	Ot %	0.600 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J23015	UNS	USA	Casting
A487 10B	ASTM	USA	Casting
SA-487 10A	ASME	USA	Casting
SA-487 10B	ASME	USA	Casting
A487 9Q	ASTM	USA	Casting
J23055	UNS	USA	Casting
4330	AISI	USA	Forging , Bar, Wire and Shape

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com