

Material: ASME SA-487 Grade 8 Class B

Standard Specification for Low Alloy Steel and Martensitic Stainless Steel Castings Suitable for Pressure Containing Parts

Group: Ferrous Mild Steel Alloys

Sub Group: ASME SA-487 Grade 8 Class B Low Alloy Steel and Martensitic Stainless Steel Castings Suitable for Pressure Containing Parts

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.200	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.800 max.		
Manganese	Mn %	0.500 - 0.900		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	2.000 - 2.750		
Molybdenum	Mo %	0.900 - 1.100		
Vanadium	V %	0.030 max.		
Tungsten	W %	0.100 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 725 min. Yield Strength in Mpa 585 min. Elongation in % 17 min. Reduction of Area in % 30 min. Hardness in BHN - Impact in Joule -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-487 Class 8N	ASME	USA	Casting
SA-487 Grade 8A	ASME	USA	Casting
J220911	UNS	USA	Casting
SA-487 Grade 8C	ASME	USA	Casting
A487 8A	ASTM	USA	Casting
A487 8B	ASTM	USA	Casting
A487 8C	ASTM	USA	Casting

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