



Material - ASME SA-351 HT30

Standard Specification for Castings, Austenitic, for Pressure-Containing Parts

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-351 HT30 Castings, Austenitic, 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 %	0.250 - 0.350	Solution Annealing	
Silicon	Si %	2.500 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	13.000 - 17.000		
Nickel	Ni %	33.000 - 37.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	195 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A351 HT30	ASTM	USA	Casting
N08603	UNS	USA	Casting
7806 Grade 12	IS	India	Casting
SCH 16	JIS	Japan	Casting
N08030	UNS	USA	Casting
SA-351 Grade HT 30	ASME	USA	Casting
HT-30	NBR	Brazil	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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