

Material: ASME SA-351 Grade HK 30

Standard Specification for Austenitic-Ferritic Steel Castings for Valves, Flanges, Fittings, and Other Pressure-Containings Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: ASME SA-351 Grade HK 30 Austenitic-Ferritic Steel Castings for Valves, Flanges, Fittings, and Other Pressure-Containings 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 %	1.750 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	23.000 - 27.000		
Nickel	Ni %	19.000 - 22.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A351 HK30	ASTM	USA	Casting
A608 HK30	ASTM	USA	Casting
310 C40	BS	British	Casting
F.8452	UNE	Spain	Casting
G X 40 CrNi 26-20	UNI	Italy	Casting
422952	CSN	Czech Republic	Casting
393 G-X 40 CrNi 25 20	SFS	Finland	Casting

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