

## Material: ASTM A351 HK30

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** ASTM A351 / 351M Castings, Austenitic, for Pressure-Containing Parts

**Application:** Intended for Valves, Pumps, General Engineering, Automobile 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
A-608 Grade HK 30	ASTM	USA	Casting
SA-351 Grade HK 30	ASME	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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