

Material: ASTM A608 Grade HK 40

Standard Specification for Centrifugally Cast Iron-Chromium-Nickel High-Alloy Tubing

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A 608/A 608M Centrifugally Cast Iron-Chromium-Nickel High-Alloy Tubing

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.350 - 0.450	Solution Annealing	
Silicon	Si %	0.500 - 2.000		
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 %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	29 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	6 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 Grade HK 40	ASME	USA	Casting
310 C 45	BS	British	Casting
40 CrNiSi 25-20	MSZ	Hungary	Casting
1.4848	DIN	Germany	Casting
SCH 22	JIS	Japan	Casting
A-567 Grade HK 40	ASTM	USA	Casting
A351 HT30	ASTM	USA	Casting

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