



## Material - ASTM A608 Grade HL 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	As - Cast	
Silicon	Si %	0.500 - 2.000		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	28.000 - 32.000		
Molybdenum	Mo %	0.050 max.		
Nickel	Ni %	18.000 - 22.000		
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
SCH 23	JIS	Japan	Casting
A608 Grade HL 30	ASTM	USA	Casting
N08604	UNS	USA	Casting
N08613	UNS	USA	Casting
N08614	UNS	USA	Casting
A297 Grade HL	ASTM	USA	Casting
IS 4522 Grade 10	IS	India	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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