

Material: JIS SCH 23

Standard Specification for Heat-Resistant Cast Steels and Alloys for General Applications

Group: Ferrous Stainless Steel Alloys

Sub Group: JIS SCH 23 Heat-Resistant Cast Steels and Alloys for General Applications

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.200 - 0.600
Silicon	Si %	2.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	28.000 - 32.000
Molybdenum	Mo %	0.500 max.
Nickel	Ni %	18.000 - 22.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As - Cast

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	245 min.
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
N08604	UNS	USA	Casting
A608 Grade HL 30	ASTM	USA	Casting
A608 Grade HL 40	ASTM	USA	Casting
N08613	UNS	USA	Casting
N08614	UNS	USA	Casting
A297 Grade HL	ASTM	USA	Casting
IS 4522 Grade 10	IS	India	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India