

# Material: JIS SCH 16

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

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** JIS SCH 16 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 - 0.350
Silicon	Si %	2.500 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	13.000 - 17.000
Nickel	Ni %	33.000 - 37.000
Molybdenum	Mo %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	195 min.
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A351 HT30	ASTM	USA	Casting
SA-351 HT30	ASME	USA	Casting
N08603	UNS	USA	Casting
7806 Grade 12	IS	India	Casting
N08030	UNS	USA	Casting
SA-351 Grade HT 30	ASME	USA	Casting
HT-30	NBR	Brazil	Steel

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



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