



## Material - JIS SCS 18

### Standard Specification for Austenitic Stainless Steel Centrifugal Cast, Steel, Pipes

Group - Ferrous Stainless Steel Alloys

Sub Group - JIS SCS 18 Austenitic Stainless Steel Centrifugal Cast, Steel, Pipes

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

Grade Belongs to the Industry - Centrifugal Cast, Steel, Pipes

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Solution Annealing	
Silicon	Si %	2.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	23.000 - 27.000		
Nickel	Ni %	19.000 - 22.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	195 min.
-	-	-	Elongation in %	28 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	183 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4843	DIN	Germany	Round and Flat Wire
SA-351 Grade CK20	ASME	USA	Casting
CH25N20	GOST	Russia	Precision Alloys
H23N18	PN	Poland	Heat Resisting Steels
T25 NiCr 250	STAS	Romania	Casting
A743 CK20	ASTM	USA	Casting
A351 CH20	ASTM	USA	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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.