GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6603 X04Cr18Ni10Ti

Standard Specification for Stainless Steel Bars and Flats

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 6603 X04Cr18Ni10Ti Stainless Steel Bars and Flats

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

Grade Belongs to the Industry - Bars and Flats

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Nickel	Ni %	9.000 - 12.000
Chromium	Cr %	17.000 - 19.000
Titanium	Ti %	0.005 - 0.800
Sulphur	S %	0.030 max.
Phosphorus	P %	0.045 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Softening or Hardening + Tempering or As-Raw

Mechanical Properties	
Tensile Strength in Mpa	490 - 690
Yield Strength in Mpa	210 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	192 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
6529 X04Cr18Ni10Ti	IS	India	Blooms, Billets and Slabs
1570 X04Cr18Ni10Ti	IS	India	Steel
6911 X04Cr18Ni10Ti	IS	India	Plate, Sheet and Strip
1449-2 304 S 11	BS	British	Plate, Sheet and Strip
F 80-109 Z 6 CN 18-09	AFNOR NF	France	Steel
A 36-209 Z 7 CN 18-09	AFNOR NF	France	Steel
G 4312 SUS 304	JIS	Japan	Plate and Sheet

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

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