GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6603 X15Cr16Ni2

Standard Specification for Stainless Steel Bars and Flats

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 6603 X15Cr16Ni2 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 %	0.100 - 0.200
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Nickel	Ni %	1.250 - 2.500
Chromium	Cr %	15.000 - 17.000
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	830 - 1030
Yield Strength in Mpa	640 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	262 max.
Impact in Joule	30 J @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
6529 X15Cr16Ni2	IS	India	Blooms, Billets and Slabs
1570 X15Cr16Ni2	IS	India	Steel
6911 X15Cr16Ni2	IS	India	Plate, Sheet and Strip
6901 X 16 CrNi 16	UNI	Italy	Bars, Wire Rods and Forging
F 80-109 Z 15 CN 16-02	AFNOR NF	France	Steel
EN 10088-3 X17CrNi16-2	AFNOR NF	France	Bars and Rods
6258 431 S 29	BS	British	Steel and Bars

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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