GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 6603 X02Cr17Ni12Mo2

Standard Specification for Stainless Steel Bars and Flats

Group - Ferrous Stainless Steel Alloys

Sub Group - IS 6603 X02Cr17Ni12Mo2 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 %	0.030 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Nickel	Ni %	10.500 - 14.000
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	2.000 - 3.000
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	440 - 640
Yield Strength in Mpa	200 min.
Elongation in %	40 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 X02Cr17Ni12Mo2	IS	India	Blooms, Billets and Slabs
1570 X02Cr17Ni12Mo2	IS	India	Steel
6911 X02Cr17Ni12Mo2	IS	India	Plate, Sheet and Strip
10250-4 1.4404	EN	European Union	Steel and Forging
EN 10088-3 1.4432	DIN	Germany	Bars and Rods
A 182 F 316LN	ASTM	USA	Steel and Pipe
A 403 WP 316LN	ASTM	USA	Steel and Pipe

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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