GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X20Cr13 (4021-420-00-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X20Cr13 (4021-420-00-I) Stainless Steels for General Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.160 - 0.250
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	12.000 - 14.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	750 - 950
Proof Strength in Mpa	550 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HBW	225 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
6900 X 20 Cr 13	UNI	Italy	Steel
6901 X 20 Cr 13	UNI	Italy	Steel
A 35-590 X20Cr13	AFNOR NF	France	Steel
EN 10088-3 X20Cr13	AFNOR NF	France	Steel
EN 10088-2 X 20 Cr 13	DIN	Germany	Steel
EN 10088-3 X 20 Cr 13	DIN	Germany	Steel
EN 10088-1 X 20 Cr 13	DIN	Germany	Steel

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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