GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 11RM10

Standard Specification for Stainless and Heat Resisting Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - Gravity 11RM10 Stainless and Heat Resisting Steels

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

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.090 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	3.500 - 6.500
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	3.000 - 5.000
Nitrogen	N %	0.100 max.
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	400 min.
Yield Strength in Mpa	200 min.
Elongation in %	25 min.
Reduction of Area in %	40 min.
Hardness in HB	130 - 230
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S20100	UNS	USA	Steel
10088-1 1.4372	EN	European Union	Steel
683-13 A-2	ISO	International	Steel
EN 10088-1 1.4372	DIN	Germany	Steel
SA-213 TP201	ASME	USA	Steel and Tubing
A 35-573 Z 12 CMN 17-07 Az	AFNOR NF	France	Steel
EN 10088-1 X12CrMnNiN17-7-5	AFNOR NF	France	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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