GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 214MNC

Standard Specification for Stainless and Heat Resisting Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - Gravity 214MNC 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 %	0.480 - 0.580
Silicon	Si %	1.500 max.
Manganese	Mn %	8.000 - 10.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	20.000 - 22.000
Nickel	Ni %	3.500 - 4.500
Niobium	Nb %	1.700 - 2.300
Nitrogen	N %	0.350 - 0.550
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 max.
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**
5632 55Ch20G9AN4	GOST	Russia	Steel
A 35-579 Z 53 CMNS 21-09 Az	AFNOR NF	France	Steel
970-4 349 S 52	B.S.	United Kingdom	Steel
G 4311 SUH 35	JIS	Japan	Steel and Bars
5776 SZ 13	MSZ	Hungary	Steel
86022 50 H 21 G 9 N 4	PN	Poland	Steel
36022 F.3217	UNE	Spain	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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