GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4368 2CMnCrl

Standard Specification for Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4368 2CMnCrl Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.170 - 0.220
Silicon	Si %	0.100 - 0.350
Manganese	Mn %	1.000 - 1.400
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Nickel	Ni %	0.300 max.
Chromium	Cr %	1.000 - 1.300
Molybdenum	Mo %	0.060 max.
Vanadium	V %	0.050 max.
Copper	Cu %	0.300 max.
Tin	Sn %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	241 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
H 84030/02 20 HG	PN	Poland	Steel
791 20 MnCr 12	STAS	Romania	Steel
791 20 MnCr 12 S	STAS	Romania	Steel
791 20 MnCr 12 X	STAS	Romania	Steel
791 20 MnCr 12 XS	STAS	Romania	Steel
17210 20 MnCr 10	DIN	Germany	Steel
17210 1.7147	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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