GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-3 20MnCrS5 I 1.7149

Standard Specification for Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10263-3 20MnCrS5 I 1.7149 Steel Rod, Bars and Wire for Cold Heading and Cold Extrusion

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

Grade Belongs to the Industry - Rod, Bars and Wire

Chemical Composition		
Carbon	C %	0.170 - 0.220
Silicon	Si %	0.300 max.
Manganese	Mn %	1.100 - 1.400
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 - 0.040
Chromium	Cr %	1.000 - 1.300
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	680 max.
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	57 min.
Hardness in HB	201 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
683-18 20 MnCrS 5	ISO	International	Steel
683-11 20 MnCrS 5	ISO	International	Steel
17210 20 MnCrS 5	DIN	Germany	Steel
EN 10084 20 MnCrS 5	DIN	Germany	Steel
1652-3 20 MnCrS 5	DIN	Germany	Steel
10277-4 20 MnCrS 5	EN	European Union	Steel
10084 20 MnCrS 5	EN	European Union	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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