GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-3 16MnCr5 I 1.7131

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 16MnCr5 I 1.7131 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 %	0.140 - 0.190
Silicon	Si %	0.300 max.
Manganese	Mn %	1.000 - 1.300
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	0.800 - 1.100
Boron	B %	0.0008 - 0.0050
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	660 max.
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	59 min.
Hardness in HB	187 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
36013 16 MnCr 5	UNE	Spain	Steel
8550 16 MnCr 5	UNI	Italy	Steel
683-18 16 MnCr 5	ISO	International	Steel
17210 16 MnCr 5	DIN	Germany	Steel
EN 10084 16 MnCr5	B.S.	United Kingdom	Steel
253-03 16 MnCr 5	NBN	Belgium	Steel
10084 16 MnCr 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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.