GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-4 37MnB5 I 1.5538

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

Group - Ferrous Mild Steel Alloys
Sub Group - BS EN 10263-4 37MnB5 I 1.5538 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 %	0.350 - 0.400
Silicon	Si %	0.300 max.
Manganese	Mn %	1.150 - 1.450
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	0.300 max.
Copper	Cu %	0.250 max.
Boron	B %	0.0008 - 0.0050
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	720 max.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	57 min.
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1414 AS14	GOST	Russia	Steel
1504 161-540	B.S	United Kingdom	Casting
5892-1 A 2	B.S.	United kingdom	Steel
E 4502-1 A1	JIS	Japan	Steel
2754 C 2	MSZ	Hungary	Steel
83160 L 35 GSM	PN	Poland	Casting
41 1483 11483	CSN	Czech Republic	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.