GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-4 20MnB4 I 1.5525

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 20MnB4 I 1.5525 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 %	0.180 - 0.230
Silicon	Si %	0.300 max.
Manganese	Mn %	0.900 - 1.200
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	680 max.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	55 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10263-4 1.5535	EN	European Union	Rod, Bars and Wire
10263-4 23MnB4	EN	European Union	Rod, Bars and Wire
10263-4 1.5520	EN	European Union	Rod, Bars and Wire
10263-4 17MnB4	EN	European Union	Rod, Bars and Wire
10208-2 1.0457	EN	European Union	Steel and Pipe
10208-2 L 245 NB	EN	European Union	Steel and Pipe
EN 10208-2 L 245 NB	AFNOR NF	France	Steel and Pipe

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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