GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-3 18CrMoS4 I 1.7244

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 18CrMoS4 I 1.7244 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 %	0.150 - 0.210
Silicon	Si %	0.300 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 - 0.040
Chromium	Cr %	0.900 - 1.200
Molybdenum	Mo %	0.150 - 0.250
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 %	57 min.
Hardness in HB	187 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10084 18CrMoS4	B.S.	United Kingdom	Steel
683-11 18 CrMoS 4	ISO	International	Steel
EN 10084 18CrMoS4	DIN	Germany	Steel
EN 10084 1.7244	DIN	Germany	Steel
10084 1.7244	EN	European Union	Steel
EN 10084 1.7244	EN	European Union	Steel
10084 18 CrMoS 4	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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