GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10263-3 10NiCr5-4 I 1.5805

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 10NiCr5-4 I 1.5805 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 %	0.070 - 0.120
Silicon	Si %	0.300 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	0.900 - 1.200
Nickel	Ni %	1.200 - 1.500
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	640 max.
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	59 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 10NiCr5-4	B.S.	United Kingdom	Steel
A 35-564 10 NC 6	AFNOR NF	France	Bars and Wire Rods
A 35-551 10 NC 6	AFNOR NF	France	Steel
EN 10084 1.5805	DIN	Germany	Steel
EN 10084 10NiCr5-4	DIN	Germany	Steel
10084 1.5805	EN	European Union	Steel
10084 10 NiCr 5-4	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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