GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 3445 84Cr5Mo3

Standard Specification for Forged Steel Rolls

Group - Ferrous Mild Steel Alloys

Sub Group - IS 3445 84Cr5Mo3 Forged Steel Rolls

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.800 - 0.880
Manganese	Mn %	0.350 max.
Silicon	Si %	0.350 max.
Chromium	Cr %	0.700 - 2.000
Vanadium	V %	0.250 - 0.350
Sulphur	S %	0.020 max.
Phosphorus	P %	0.020 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1.2327	DIN	Germany	Steel
86 CrMoV 7	DIN	Germany	Steel
41 9426 19426	CSN	Czech Republic	Steel
6354 38 Ch 2 Ju	BDS	Bulgaria	Steel
5950 9Ch1	GOST	Russia	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.