GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 3445 90Cr7V2

Standard Specification for Forged Steel Rolls

Group - Ferrous Mild Steel Alloys

Sub Group - IS 3445 90Cr7V2 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 %	0.850 - 0.950
Manganese	Mn %	0.200 - 0.450
Silicon	Si %	0.100 - 0.350
Nickel	Ni %	0.300 max.
Chromium	Cr %	1.400 - 1.700
Vanadium	V %	0.100 - 0.250
Sulphur	S %	0.040 max.
Phosphorus	P %	0.040 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**
6354 38 Ch 2 Ju	BDS	Bulgaria	Steel
75ChSMF	GOST	Russia	Steel
5950 9Ch1	GOST	Russia	Steel
1.2716	DIN	Germany	Steel
85 CrNiMoV 8	DIN	Germany	Steel
8077 34 CrAlMo 7	UNI	Italy	Steel and Bars
8077 41 CrAlMo 7	UNI	Italy	Steel and Bars

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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