GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 3445 45Ni6Cr6W3

Standard Specification for Forged Steel Rolls

Group - Ferrous Mild Steel Alloys

Sub Group - IS 3445 45Ni6Cr6W3 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 %	0.400 - 0.500
Manganese	Mn %	0.500 - 0.800
Silicon	Si %	0.100 - 0.350
Nickel	Ni %	1.200 - 1.800
Chromium	Cr %	1.300 - 1.700
Tungsten	W %	0.500 - 0.800
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**
17230 1.3531	DIN	Germany	Steel
17230 16 CrNiMo 6	DIN	Germany	Steel
10084 18CrNiMo7-6	B.S.	United Kingdom	Steel
791 17 CrNi 16	STAS	Romania	Steel
10263-3 1.5918	EN	European Union	Steel
10084 1.5918	EN	European Union	Steel
C.B0.601 C 4520	JUS	Yugoslavia	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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