GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4367 40Cr4Mo3

Standard Specification for Alloy Steel Forgings for General Industrial Use

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4367 40Cr4Mo3 Alloy Steel Forgings for General Industrial Use

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.350 - 0.450
Silicon	Si %	0.100 - 0.350
Manganese	Mn %	0.500 - 0.800
Chromium	Cr %	0.900 - 1.200
Molybdenum	Mo %	0.200 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	700 - 850
Yield Strength in Mpa	540 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	208 - 252
Impact in Joule	55 J @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 4368 40Cr1Mo28	IS	India	Billets, Blooms and Slabs
IS 7494 40Cr4Mo3	IS	India	Steel
IS 11169 40Cr4Mo3	IS	India	Steel
970 En19A	B.S.	United Kingdom	Steel
970 En19B	B.S.	United Kingdom	Steel
970 En19C	B.S.	United Kingdom	Steel
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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.