GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4771 Type 2 CrMoHC34 I 500

Standard Specification for Abrasion-Resistant Iron Casting

Group - Ferrous Cast Iron Alloys

Sub Group - IS 4771 Type 2 CrMoHC34 I 500 Abrasion-Resistant Iron Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	3.100 - 3.600
Silicon	Si %	0.300 - 0.800
Manganese	Mn %	0.400 - 0.900
Nickel	Ni %	0.500 max.
Chromium	Cr %	14.000 - 18.000
Molybdenum	Mo %	2.500 - 3.500
Sulphur	S %	0.150 max.
Phosphorus	P %	0.300 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HBW	600 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F45006	UNS	USA	Casting
4844 3C	B.S.	United Kingdom	Casting
A 532 Class II Type C	ASTM	USA	Casting
32-05 Z 320 CD 16 3 M	AFNOR NF	France	Casting
1695 0.9635	DIN	Germany	Casting
1695 G-X 300 CrMo 15 3	DIN	Germany	Casting
1695 0.9640	DIN	Germany	Casting

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.