GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A485 3 I Grade 3

Standard Specification for High Hardenability Antifriction Bearing Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A485 3 I Grade 3 High Hardenability Antifriction Bearing Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.950 - 1.100
Manganese	Mn %	0.650 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Silicon	Si %	0.150 - 0.350
Chromium	Cr %	1.100 - 1.500
Nickel	Ni %	0.250 max.
Titanium	Ti %	0.005 max.
Copper	Cu %	0.300 max.
Molybdenum	Mo %	0.200 - 0.300
Oxygen	O %	0.0015 max.
Aluminium	Al %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Spheroidize Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	260 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K19965	UNS	USA	Steel
17230 100 CrMo 7 3	DIN	Germany	Steel
17230 1.3536	DIN	Germany	Steel
A 35-565 100 CrMo 7-2	AFNOR NF	France	Steel
A 35-565 100 CD 7	AFNOR NF	France	Steel
3097 100 CrMo 7	UNI	Italy	Steel and Forging
EU 94 100 CrMo 7	EN	European Union	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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