GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A485 B8 I 100CrMnMoSi8-4-6

Standard Specification for High Hardenability Antifriction Bearing Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A485 B8 I 100CrMnMoSi8-4-6 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 %	0.930 - 1.050
Manganese	Mn %	0.800 - 1.100
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Silicon	Si %	0.400 - 0.600
Chromium	Cr %	1.800 - 2.050
Copper	Cu %	0.300 max.
Molybdenum	Mo %	0.500 - 0.600
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**
G 4805-17 100CrMnMoSi8-4-6	JIS	Japan	Steel
17230 1.3539	DIN	Germany	Steel
17230 100 CrMnMo 8	DIN	Germany	Steel
1.3538	DIN	Germany	Steel
A 35-565 100 CrMnMo 8	AFNOR NF	France	Steel
683-17 B8	ISO	International	Steel
683-17 5	ISO	International	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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