GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 1875 65C6 Class 6

Standard Specification for Carbon Steel Billets, Blooms, Slabs and Bars for Forgings

Group - Ferrous Mild Steel Alloys

Sub Group - IS 1875 65C6 Class 6 Carbon Steel Billets, Blooms, Slabs and Bars for Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.600 - 0.700
Silicon	Si %	0.150 - 0.350
Manganese	Mn %	0.500 - 0.800
Sulphur	S %	0.040 max.
Phosphorus	P %	0.040 max.
Nickel	Ni %	0.300 max.
Chromium	Cr %	0.300 max.
Copper	Cu %	0.250 max.
Molybdenum	Mo %	0.050 max.
Vanadium	V %	0.050 max.
Boron	B %	0.0003 max.
Tin	Sn %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	740 min.
Yield Strength in Mpa	370 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	210 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
92602 DS 65 G	PN	Poland	Steel and Wire rods
G 4802 S 65 C-CSP	JIS	Japan	Steel and Strip
G 3311 S 65 CM	JIS	Japan	Steel and Strip
G 3311 SK 7 M	JIS	Japan	Steel and Strip
1071 65GA	GOST	Russia	Steel and Wire
14959 65GA	GOST	Russia	Steel and Bars
1071 68GA	GOST	Russia	Steel and Wire

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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