



## Goldwin Tracon Pvt. Ltd.

Manufacturers of Electro/Permanent Magnets and Separators  
ISC Compound, Janata Market, LBS Marg, Bhandup (W), Mumbai. 400 078.  
Tel Fax: 25940553. E-mail: [iscudyog@gmail.com](mailto:iscudyog@gmail.com), web: [www.iscindia.com](http://www.iscindia.com)  
Product video: <http://in.youtube.com/watch?v=gXxeoT99Xbo>  
e-mail : [iscudyog@gmail.com](mailto:iscudyog@gmail.com)



### **Rectangular Billet Lifting Magnet of size 2100 mm X 900 mm**

Our unique Rectangular Billet Lifting Magnet of size 2100 mm x 900 mm which is specially designed to lift billets cold and hot. This single magnet can be used instead of two numbers of Rectangular Lifting Magnets with Spreader Beam as has been the practice.

Our Rectangular Lifting Magnet can lift 8 Nos. billets of size 100 sq. mm of length up to 12 meters. This magnet has been sold all over the world and in India to many customers and it has been proven that a single 2100 mm x 900 mm lifts successfully 12 meter long billets for the entire working shift in steel plants over the continuous casting skid banks.



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Product video: <http://in.youtube.com/watch?v=gXxeoT99Xbo>  
e-mail : [iscudyog@gmail.com](mailto:iscudyog@gmail.com)

This magnet has been the preferred choice of crane operators as the time spent in centering the 2 magnets on spreader beam as well as aligning the magnets with the axis of the billets is very cumbersome. Moreover, in this the working face of both the magnets should be in the same level or the billets get unstuck with small jerks of crane rail joints.

For units producing 100 MT. or more of billets per day this 2100mm.x900mm. is an absolute must.

**Rectangular Billet Lifting Magnet 2100 x 900 mm, 1500 x 900 mm & 1000 x 900 mm**

## TECHNICAL SPECIFICATION:-

Rectangular Electro Magnet											
Model RECT	Lenth mm.	x	Breadth mm.	Weight kg.(±10%)	Power kw	DC Volt	Duty Cycle	Billet Lifting size and Capacity			Length meters
								100	120	150	
								mm <sup>2</sup>	mm <sup>2</sup>	mm <sup>2</sup>	
1590	1500	x	900	3500	6.5	220	75%	8	6	5	5 - 6
2190	2100	x	900	4500	9.0	220	75%	8	6	5	9 - 12

## LIFTING CAPACITY: -

A single magnet will be suitable to lift 3M to 12M, Length billets/blooms.

For 12M Length billets, Model RECT 1090 two Nos. suspended by a telescopic spreader beam is advisable for the Hot Billet not to bend / sag in the center. Cost of spreader beam is Rs. 70,000/- each plus Taxes.

## Specification and Offer for Hot Duty Rectangular Lifting Magnets.

Dt.4 Aug'08.

Rectangular Billet Lifting Magnet 2100 x 900 mm, 1500 x 900 mm & 1000 x 900 mm

### TECHNICAL SPECIFICATION:-

Rectangular Electro Magnet											
Model  RECT	Lenth  mm.	x	Breadth  mm.	Weight  kg.(±10%)	Power  kw	DC  Volt	Duty Cycle	Billet Lifting size and Capacity			Length  meters
								100  mm <sup>2</sup>	120  mm <sup>2</sup>	150  mm <sup>2</sup>	
1090	1000	x	900	2600	4.5	220	75% (Hot)	8	6	5	3
1590	1500	x	900	3500	6.5	220	75% (Hot)	8	6	5	5 - 6
2190	2100	x	900	4500	9.0	220	75% (Hot)	8	6	5	9 - 12

### LIFTING CAPACITY: -

A single magnet will be suitable to lift 3M to 12M, Length billets/blooms.

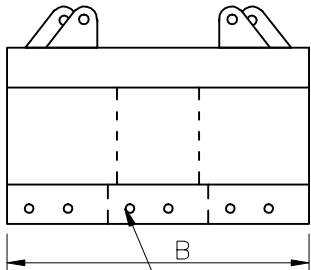
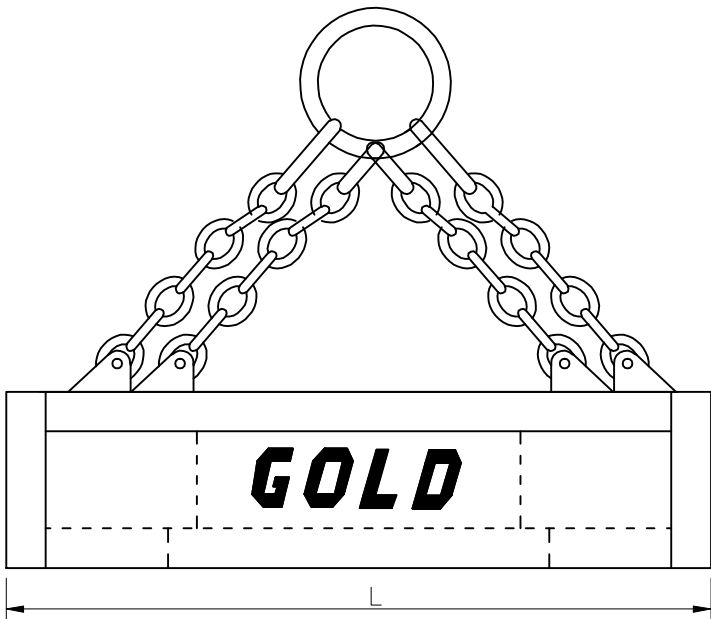
For 12M Length billets, Model RECT 1090 four Nos. suspended by a telescopic spreader beam is advisable for the Hot Billet not to bend / sag in the centre. Cost of spreader beam is Rs.1,50,000/- (USD-3500/-) each Ex. Works.

Model	RECT 2190	RECT 1590	RECT 1090
Price per magnet	USD 23,200/-	USD 18,820/-	USD 14,750/-

### Electrical Accessories suitable for Rectangular Lifting Magnet.

Model	RECT 2190	RECT 1590	RECT 1090
Price per Elect. Accessories	USD 6,160/-	USD 5,720/-	USD 5,300/-

Input Voltage	: 380/440 V AC, 3 Ph. 50 Hz.
Output Voltage	: 220 V DC.
Rectifier	: 3 Phase bridge of silicon diodes.
Protection	: Fuses on AC & DC side to protect the equipment
Resistance	: Punch Grid SS discharge resistance

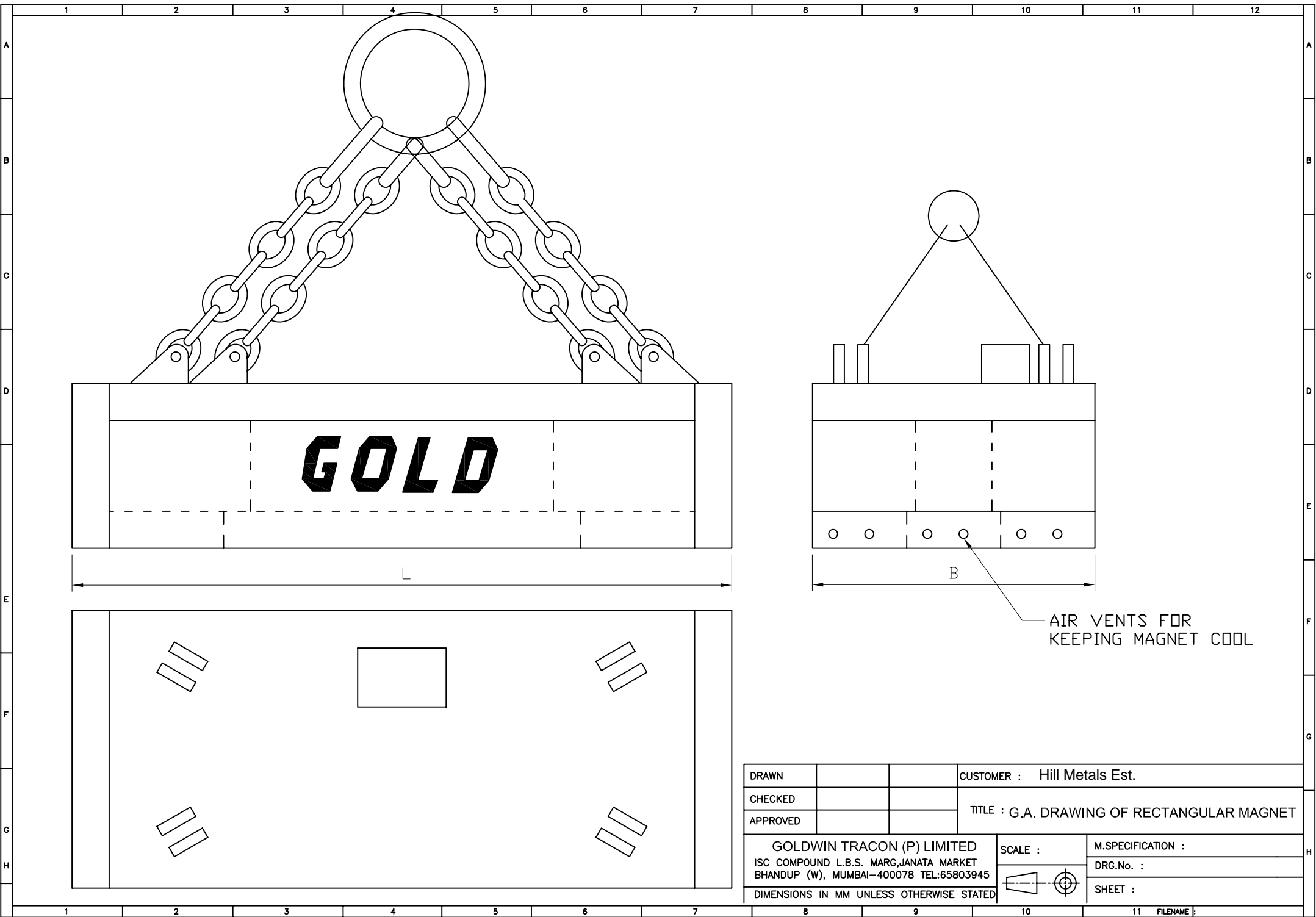


AIR VENTS FOR KEEPING MAGNET COOL

MODUL	RECT 1090	RECT 1590	RECT 2190
WEIGHT ±3%	2600 KG	3500 KG	4500 KG
VOLTS	220V D.C.±10 TO 15%	220V D.C.±10 TO 15%	220V D.C.±10 TO 15%
CURRENT COLD	20 AMP	29 AMP	41 AMP
CURRENT HOT	14 AMP	17 AMP	29 AMP
DUTY CYCLE	50% ON 10 MINUTES	50% ON 10 MINUTES	50% ON 10 MINUTES
AMBIANT	50°C	50°C	50°C
LOADING/POWER	4.5 KW	6.5 KW	9 KW
DIM	1000Lx900B	1500Lx900B	2100Lx900B

SL.NO.	ITEM DESCRIPTION	QTY	MATERIAL	REMARKS
01	LOCK RING	1	IS.4491 GR.2	
02	BUMPER PLATE	2	IS.276	
03	OUTER RING	1	IS.4491 GR.2	
04	BODY	1	"	
05	TOP PLATE	1	"	
06	LIFTING LUG	6	"	
07	CENTER CORE	1	"	
08	CENTER LOCKING PLATE	1	"	
09	TOP SLAB PLATE	1	"	
10	TERMIAL BOX	1	M.S	
11	COIL PACK	1	ALUMINIUM	
12	TERMIAL BOX FILLING		EPOXY	
13	NAME PLATE	1		
14	CHAIN ASSY.	1	IS.760 GR.40 IS.6215	

DRAWN	T.A.P	21.04.08	CUSTOMER:
CHECKED			TITLE: G.A. DRAWING OF RECTANGULAR MAGNET
APPROVED			1000x900,1500x900,2100x900
GOLDWIN TRACON (P) LIMITED			SCALE: NTS.
BIC COMPOUND I.B.S. MARGANATA MARKET BRANDUP (W), MEDICAL-08676 TEL:2088645			MANUFACTURER:
DIMENSIONS IN MM UNLESS OTHERWISE STATED			DRG No.:
			SHEET: 1 OF 1
			R 0



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AIR VENTS FOR  
KEEPING MAGNET COOL

DRAWN		CUSTOMER : Hill Metals Est.
CHECKED		TITLE : G.A. DRAWING OF RECTANGULAR MAGNET
APPROVED		
GOLDWIN TRACON (P) LIMITED ISC COMPOUND L.B.S. MARG, JANATA MARKET BHANDUP (W), MUMBAI-400078 TEL:65803945		SCALE :
DIMENSIONS IN MM UNLESS OTHERWISE STATED		M.SPECIFICATION :
		DRG.No. :
		SHEET :