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# ***LIFTING MAGNETS***

(AGG-13-009)

# MECAL MAGNETS

MECAL DESIGNS AND  
MANUFACTURES MAGNETS FOR  
SPECIAL APPLICATIONS.

**BHP WELDED PRODUCTS DIVISION;**  
**UNANDERRA, NSW.**

One of four sets of especially designed Lifting  
and Handling Magnets for the complete  
production system.

**MECAL (AUSTRALIA)**  
9 PARAMOUNT ROAD  
WEST FOOTSCRAY VIC 3012  
AUSTRALIA

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- **LIFT AND PLACE OPERATION**

- **ROLL-OVER OPERATION**



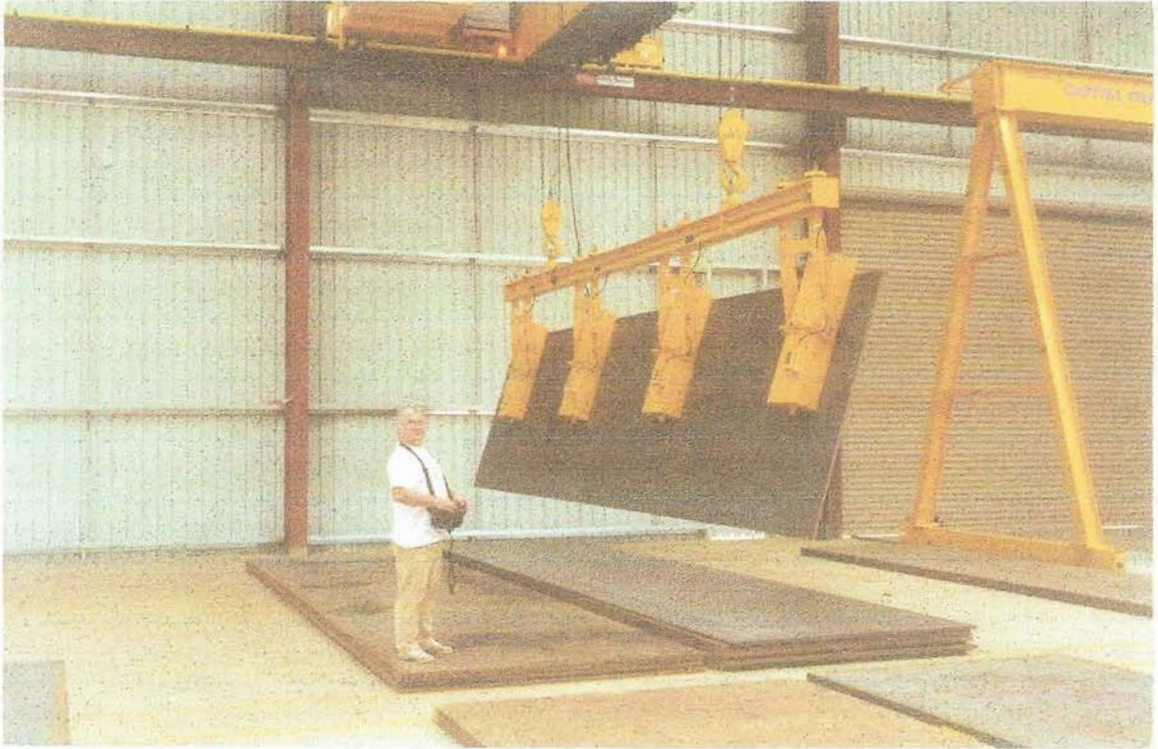
**BHP ENGINEERING (VETTER TRITTLER)**

**8 - 30 x 160, 8 - 30 x 65, 6 - 50 x 65 LIFTING MAGNETS**



**(MDO-14-003/903127/28/29)**

**TOTAL STEEL, W.A.**  
**RLS-40 x 120 MAGNETS**



(MDO-14-047/943101)

**TOTAL STEEL, W.A.**  
**RLS-40 x 120 MAGNETS**



**Note: Can pick up single or multiple plates.**



**(MDO-14-049/943101)**

**NATIONAL RAIL AUTHORITY**  
**MELBOURNE - ADELAIDE STANDARD GAUGE**  
**RL-45 x 55 (4 - UNITS)**



# LWD-1800 SCRAP LIFTER

(1.8M DIAMETER)

*Power On*



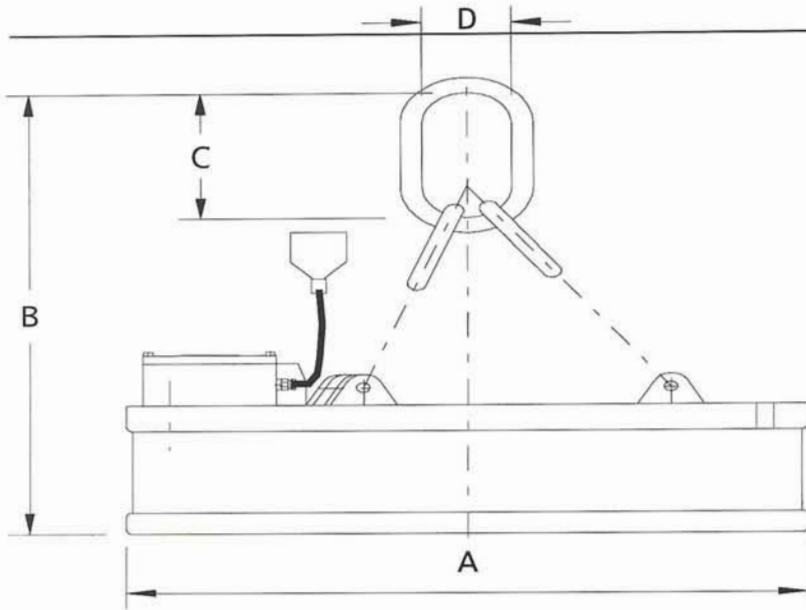
*Power Off*



*Client: National Steel, Iligan Philippines*

**(MCO-14-014/9702)**

# Circular Lifting Magnets



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	MASS (kg)	POWER COLD (kW)	CHAIN SWL (T)
LW600	600	850	180	90	250	2.1	3.5
LWD600	600	850	240	120	280	2.3	3.5
LW650	650	850	240	120	300	2.5	3.5
LWD650	650	850	240	120	350	2.9	3.5
LW750	750	900	240	120	460	3.5	4.1
LWD750	750	900	240	120	510	4.2	4.1
LW900	900	1100	240	120	820	5.1	6.6
LWD900	900	1100	240	120	1015	7.5	6.6
LW1150	1150	1330	240	120	1250	7.9	9.4
LWD1150	1150	1330	240	120	1500	10.7	9.4
LW1300	1300	1390	280	140	1790	11.2	11.4
LWD1300	1300	1390	280	140	2020	13.4	11.4
LW1400	1400	1540	280	140	2160	13.9	11.4
LWD1400	1400	1540	280	140	2570	15.9	13.9
LW1500	1500	1500	300	150	2730	16.1	13.9
LWD1500	1500	1500	300	150	3300	19.3	13.9
LW1800	1800	1800	360	180	4400	26.0	27.4
LWD1800	1800	1800	360	180	5050	27.4	27.4
LW2100	2100	2000	406	203	6800	31.7	35.8
LWD2100	2100	2000	406	203	7250	34.0	35.8

## Standard Features:

- High permeability steel shell fully welded to magnet pole shoe.
- Stainless Steel bumping plate with re-inforced ribs.
- Cu or Al coil with PEI2 insulation.
- IP-65 heavy duty terminal box with steel cable gland.
- 3 legged alloy chain with multi-oblong link.
- Double wound transformer/rectifier.

## Optional:

- High temperature to suit foundry applications.
- Higher duty cycles.
- Cooling fans.
- Over excitation to increase lifting of light scraps.
- Emergency back up power.
- Safety signal controls.
- Computer aided design to suit your application.
- Bolted pole shoe.
- Anodised aluminium strip.
- Plug & socket connector.

(MCW-01-001/0106)



# MECAL MAGNAGRIPS

## LIFTING MAGNETS - BATTERY OPERATED



**MECAL MAGNAGRIPS** - The most powerful range of battery powered lifting magnets.

**MAGNAGRIPS** are the number one choice - for tool rooms, fabrication shops and steel warehouses. The magnets are designed to lift and handle:

- steel plates from 3mm up to 200mm in thickness
- remove shapes, flanges and skeletons from plasma cutting tables
- dies and steel blocks in tool rooms.

“Flick a switch” easy and simple operation, no heavy levers needed to energise the magnet. Heavy duty - deep cycle battery ensures “work all day and recharge overnight” operation.

### FEATURES:

- All day operation without recharge.
- Compact design.
- Self contained unit.
- Robust construction.
- Simple, safe operation.
- Battery monitor/alarm.
- Standard 240 VAC charger.
- Handle to guide magnet.

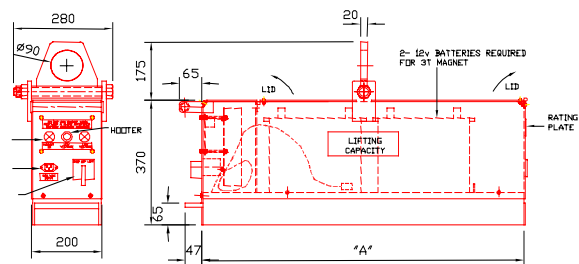
### OPTIONS:

- Radio Remote control switch.
- Special features on request.
- Special applications for pipes & rounds, long loads, etc. please consult Mecal Engineers.

### SPECIFICATIONS

MODEL	BX1	BX2	BX3
Rated Capacity * (Kg)	1000	2000	3000
Length “A” (mm)	450	610	916
Operating Voltage (VDC)	12	12	24
Number of Batteries	1	1	2
Net Weight (Kg)	60	108	170
Weight with Battery (Kg)	72	130	210

\* The rated lifting capacities are SWL values with a 2:1 safety factor. They are applicable for flat, mild steel loads, 25mm or more in thickness with a machined surface finish. Lifting capacities will reduce for thinner plates, loads with uneven, overhanging and/or curved surfaces. Please consult us for advise and our recommendation.



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