Model

Holding Power

122(4.80

PL-20B 200kg/440lb

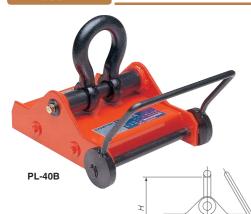
PERMANENT MAGNETIC LIFMA*

Shacle

(φ58(2

150 (5.90) BC14 (0.55) (φ40 (1.57))

181 (7.12) BB20 (0.78)



These Lifmas are suitable for transporting such raw materials as black iron plates and flat iron products and lifting and transporting semi-finished products having flat surfaces such as machine parts, press dies and plastic forming molds.

[Features]

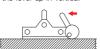
The use of a permanent magnet eliminates the need of electric power, thuseliminating troubles due to power interruption and failure of the power supply line. The strong magnetic force can be

Change in Holding Power by Plate

The employment of cam system facilitates attaching and detaching of workpieces.

Attraction

Place Lifma on the transporting material and pull the lever up in vertical

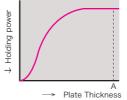


Release

Put the lever in horizontal position to release Lifma from the trans-porting material.

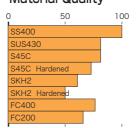


Thickness and Clearance



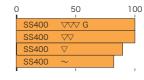
olding power for plate thickness A Holding

Difference in Holding Power by **Material Quality**



Difference in Holding Power by Attractive **Face Roughness**

→ Clearance



*Dimension "H" up to the top end of the inner diameter of the shackle lifting ring. Steel plate lifting standard (Mill scale soft steel plate)

Dimensions

255

*The lifting capacity is indicated by a quarter of the maximum holding power.

Mass

8.5kg/18lb

板厚 Model		PL-20B	PL-40B		
5∼7	□450(17.7)	350(13.7)×550(21.6)	□950 (37.4)	650 (25.5) × 1300 (51.1)	
8∼12	□500(19.6)	350(13.7)×700(27.5)	□1100(43.3)	750 (29.5) × 1500 (59.1)	
13~16	□550(21.6)	400(15.7)×700(27.5)	□1000(39.3)	700 (27.5) × 1400 (55.1)	
17~25	□550(21.6)	400(15.7) × 700(27.5)	□950 (37.4)	650 (25.5) × 1300 (51.1)	
26~40	□450(17.7)	350(13.7)×550(21.6)	□750 (29.5)	550 (21.6) × 1000 (39.3)	
41~65	□350(13.7)	250 (9.84) × 500 (19.6)	□600 (23.6)	450(17.7)×700(27.5)	
66~100	□250(9.84)	200(7.87) ×300(11.8)	□500 (19.6)	350(13.7)×700(27.5)	

Caution to use

The operation of the cam for attaching and detaching will apply friction to the lifted surface which may mark or scratch polished surfaces.

LM-P1242

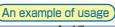
(An example of special fabrication)

4-M12

Suitable for lifting and moving floor plates, pressed workpieces having concave or convex sections, iron doors of buildings, deck plates, guard rails cans, and so on.

UP-DOWN TYPE PERMANENT MAGNETIC LIFMA





- The attraction is turned on and off by moving up and down an air cylinder, which facilitates remote operation and automated operation.
- Compared with the electromagnetic type, this model has a larger holding power for thin plates (less than 5 mm thick) and its capacity drops less when gaps are present.
 - Accordingly, this model is most suitable for pressed workpieces having concave or convex
- Energy saving type as no electric power source is required.
- The ON state is maintained when the air source is shut down and therefore held workpieces do not fall, enhancing safety.

[mm(in)]

<u>d</u>	
ON side	
	4
OFF side	-
	11:
gatefetting (************************************	<u>S</u>

Model	Dimensions						A:= ===================================	Mana		
Model	W	L	Н	h	W ₁	L ₁	d	М	Air pressure	Mass
LM-P1242	120 (4.72)	420	114.5(4.50)	91.5(3.60)	80 (3.15)	370 (14.5)	98 (3.85)	M12 depth14	0.49MPa	Approx.17kg/37.4 lb
LM-P2442	240 (9.44)	(16.5)	120.5(4.74)	131 (5.15)	150 (5.90)	300 (11.8)	142(5.59)	M20 depth30	or more	Approx.38kg/83.7 lb

*An air source, select valve and other air control equipment must be provided by the user. *This model is not suitable for thick workpieces and workpieces stacked closely. The specifications vary according to work-pieces to lift. Please contact us to select the best design.

Kindly take note carefully that the capacity of the Lifma changes depending on the thickness of material, clearance between the material and magnet and the quality of the material.