

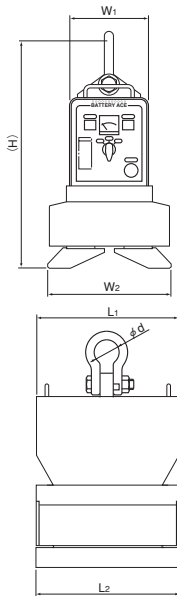
LIFTING MAGNETS

Model LME-V BATTERY ACE*

Round steel bar/section steel



LME-25EV



[Application]

A special type Battery Ace that can be specialized for lifting round steel bars and pipes or for lifting section steel by changing attachments. Any attachment can be used to lift steel plates and flat steel, but works most effectively in lifting long steel plates that warp.

Working rate 50% ED (Power on 5 minutes and pause 5 minutes)

■ Attachments

No. □□-130 Open angle 130°		No. 25-130 Steel bar/pipe φ80 - 400 mm Steel plate: Lifting capacity 2500 kg (Plate thickness 35 mm, mill scale)
No. □□-90 Open angle 90°		No. 25-90 Steel bar/pipe φ80 - 150 mm Section steel: Length of one side 100 - 250mm Steel plate: Lifting capacity 2500 kg (Plate thickness 35 mm, mill scale)



Precaution for use

Rust and scratches on the attractive face affect the holding power adversely. Repair it periodically.

[mm(in)]

Model	Lifting Capacity	Dimensions					Lifting Ring "d"	Battery	Working Hours (50%ED)	Mass	Attachment	Charger	Charging Time	Accessories
		W ₁	W ₂	L ₁	L ₂	H								
LME-6EV	600kg/ 1323 lb Plate thickness 35 mm min., mill scale steel plate	184 (7.24)	320 (12.5)	366 (14.4)	230 (9.05)	625 (24.6)	φ 58 (2.28)	12V, 12Ah	Max. 9 hours	90kg/198 lb	No.6-130 No.6-90	Input 100 VAC Output 12 VDC	10-15h	Spare battery: 1 set Charger: 1 set
LME-10EV	1000kg/ 2205 lb Plate thickness 35 mm min., mill scale steel plate	250 (9.84)	390 (15.3)	450 (17.7)	350 (13.7)	715 (28.1)	φ 75 (2.95)	12V, 28Ah	Max. 16 hours	250kg/551 lb	No.10-130 No.10-90			
LME-25EV	2500kg/ 5512 lb Plate thickness 35 mm min., mill scale steel plate	250 (9.84)	390 (15.3)	450 (17.7)	450 (17.7)	715 (28.1)			Max. 9 hours	300kg/661 lb	No.25-130 No.25-90			
LME-50EV	5000kg/ 11025 lb Plate thickness 35 mm min., mill scale steel plate	330 (12.9)	390 (15.3)	1000 (39.4)	900 (35.4)	857 (33.7)	φ 118 (4.64)	12V, 28Ah 2 units in series	Max. 9 hours	450kg/992 lb	No.50-130 No.50-90			

※ Two types of attachments are included, which can be interchanged according to applications.

■ Maximum dimensions of angle steel to lift (L steel)

Model	Length of one side	Then, the length is
LME-6EV	75 (2.95) - 200 (7.87)	Up to 1.7 m (66.9)
LME-10EV	100 (3.93) - 250 (9.84)	Up to 2.5 m (98.4)
LME-25EV	100 (3.93) - 250 (9.84)	Up to 6.0 m (236.2)
LME-50EV	100 (3.93) - 250 (9.84)	Up to 10.0 m (393.7)

(When Attachment No. □□-90 used)

※ The lifting capacity is indicated by a value that is a half of the max. holding power.

■ Maximum size of steel plates to lift (when Attachment No. □□-130 used)

[mm(in)]

Model	LME-6EV		LME-10EV		LME-25EV		LME-50EV					
	Square	Rectangular	Square	Rectangular	Square	Rectangular	Square	Rectangular				
5 - 7	350 (13.7) × 350 (13.7)	500 (19.6) × 300 (11.8)	600 (23.6) × 600 (23.6)	500 (19.6) × 650 (25.5)	1000 (39.4) × 400 (15.7)	900 (35.4) × 900 (35.4)	500 (19.6) × 1300 (51.2)	1000 (39.4) × 1400 (55.1)	1000 (39.4) × 1800 (70.9)	2000 (78.7) × 1400 (55.1)		
8 - 12	450 (17.7) × 450 (17.7)	500 (19.6) × 400 (15.7)	700 (27.5) × 700 (27.5)	500 (19.6) × 800 (31.5)	1000 (39.4) × 450 (17.7)	1000 (39.4) × 1000 (39.4)	500 (19.6) × 1600 (62.9)	1000 (39.4) × 900 (35.4)	1700 (66.9) × 1700 (66.9)	1000 (39.4) × 2500 (98.4)	2000 (78.7) × 1400 (55.1)	
13 - 16	550 (21.6) × 550 (21.6)	500 (19.6) × 600 (23.6)	1000 (39.4) × 300 (11.8)	750 (29.5) × 750 (29.5)	500 (19.6) × 1200 (47.2)	1000 (39.4) × 600 (23.6)	1100 (43.3) × 2000 (78.7)	500 (19.6) × 1100 (43.3)	1800 (70.9) × 1800 (70.9)	1000 (39.4) × 3500 (137.8)	2000 (78.7) × 1800 (70.9)	
17 - 40	700 (27.5) × 700 (27.5)	500 (19.6) × 1000 (39.4)	1000 (39.4) × 500 (19.6)	900 (35.4) × 900 (35.4)	500 (19.6) × 1250 (49.2)	1000 (39.4) × 750 (29.5)	1300 (51.2) × 1300 (51.2)	500 (19.6) × 2500 (98.4)	1000 (39.4) × 1700 (66.9)	1900 (74.8) × 3800 (149.6)	2000 (78.7) × 1900 (74.8)	
45 - 50	600 (23.6) × 600 (23.6)	500 (19.6) × 900 (35.4)	1000 (39.4) × 450 (17.7)	1000 (39.4) × 1000 (39.4)	500 (19.6) × 1750 (68.9)	1000 (39.4) × 1000 (39.4)	1500 (59.0) × 1500 (59.0)	500 (19.6) × 3500 (137.8)	1000 (39.4) × 2000 (78.7)	2000 (78.7) × 4000 (157.5)	2000 (78.7) × 2000 (78.7)	
75	550 (21.6) × 550 (21.6)	500 (19.6) × 600 (23.6)	1000 (39.4) × 300 (11.8)	900 (35.4) × 900 (35.4)	500 (19.6) × 1250 (49.2)	1000 (39.4) × 750 (29.5)	1200 (47.2) × 1200 (47.2)	500 (19.6) × 2500 (98.4)	1000 (39.4) × 1500 (59.0)	1500 (59.0) × 2600 (102.4)	1000 (39.4) × 2000 (78.7)	2000 (78.7) × 1150 (45.2)
100	450 (17.7) × 450 (17.7)	500 (19.6) × 400 (15.7)	1000 (39.4) × 200 (7.87)	700 (27.5) × 700 (27.5)	500 (19.6) × 1000 (39.4)	1000 (39.4) × 600 (23.6)	900 (35.4) × 900 (35.4)	500 (19.6) × 2000 (78.7)	1000 (39.4) × 850 (33.5)	1400 (55.1) × 1400 (55.1)	1000 (39.4) × 2000 (78.7)	2000 (78.7) × 1000 (39.4)

■ Maximum size of round steel bars and steel pipes to lift (when Attachment No. □□-130 used)

[mm(in)]

Model	LME-6EV		LME-10EV		LME-25EV		LME-50EV	
	Length		Length		Length		Length	
Diameter	Steel bar	Steel Pipe	Steel bar	Steel Pipe	Steel bar	Steel Pipe	Steel bar	Steel Pipe
80	1000 (39.4)	1500 (59.0)	2000 (78.7)	3000 (118.0)	4000 (157.5)	6000 (236.2)	7000 (275.6)	11000 (433.1)
100	900 (35.4)	1400 (55.1)	1900 (74.8)	2500 (98.4)	3500 (137.8)	5800 (228.3)	6000 (236.2)	10000 (393.7)
150	600 (23.6)	1250 (49.2)	1100 (43.3)	2100 (82.7)	2000 (78.7)	5000 (196.9)	3500 (137.8)	8000 (315.0)
200	350 (13.7)	1000 (39.4)	700 (27.5)	1750 (68.9)	1400 (55.1)	4100 (161.4)	2500 (98.4)	7000 (275.6)
250	300 (11.8)	850 (33.5)	600 (23.6)	1500 (59.0)	1250 (49.2)	3500 (137.8)	2200 (86.6)	6000 (236.2)
300	250 (9.84)	750 (29.5)	500 (19.6)	1350 (53.2)	1100 (43.3)	3000 (118.1)	1900 (74.8)	5000 (196.9)
350			350 (13.7)	1250 (49.2)	950 (37.4)	2750 (108.3)	1700 (66.9)	4200 (165.4)
400					800 (31.5)	2500 (98.4)	1300 (51.2)	4000 (157.5)