

Safe handling of sheet and plate metal

Demag DBM battery magnets



DEMAG



41331-1

Demag DBM battery magnets are the ideal solution wherever you need to transport magnetisable loads safely and efficiently. They do not require a mains power connection, so they are highly versatile. Whether used as stationary units with wall or slewing jib cranes or as mobile equipment with cranes or lift trucks, Demag DBM battery magnets allow you to transport loads of up to 4 tons easily and safely.

HIGH DEGREE OF SAFETY

- Load capacity of up to 2 or 4 tons, dep. on model, with FoS of 2
- Warning via acoustic signal and optical display when battery voltage falls below minimum safe level
- Operation via radio transmitter at safe distance from the load
- Automatic demagnetisation reduces residual magnetism to a minimum
- Modular suspension bracket for precision fit with existing customers' installations

CONVENIENT

- Customised operation thanks to customer-specific parameter programming functions
- Spreader operation via radio: common control of two magnets
- Individual metal sheets can be separated from stacks by "tapping" the switch on the hand-held transmitter

USER-FRIENDLY SOLUTIONS

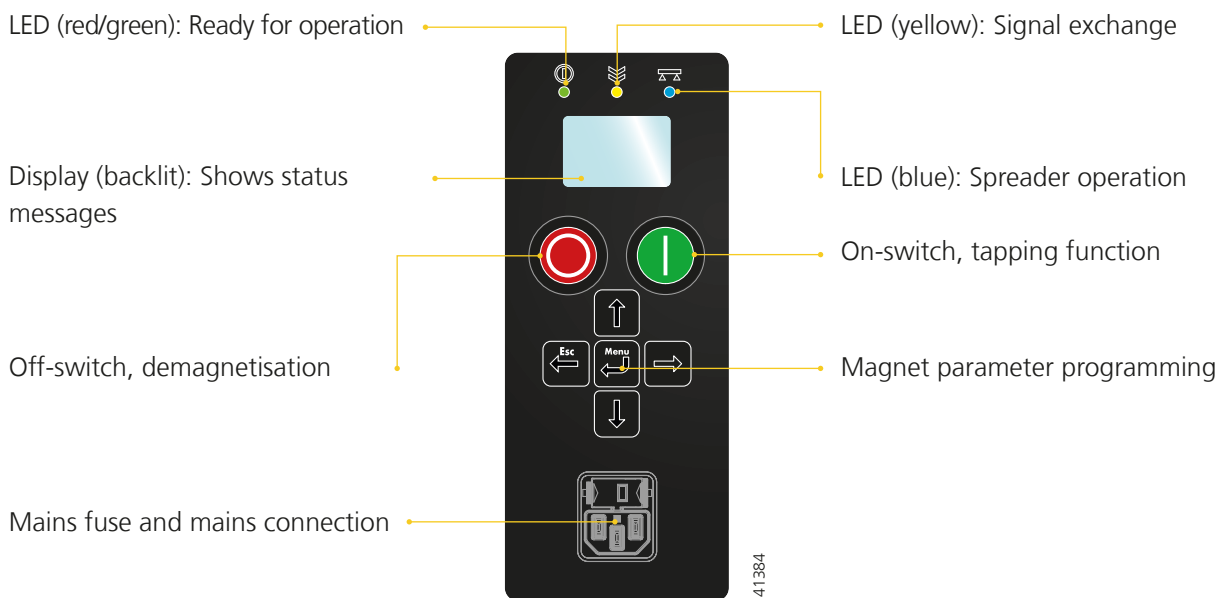
- Charge level clearly visible at all times thanks to battery capacity indicator on display
- Automatic charging control protects the 12 V battery against overcharging
- Compact design

A convenient solution – spreader operation with radio control

Individual magnets can be controlled either directly using the operating panel or remotely using the radio transmitter at a comfortable distance from the load. To handle long materials, you can form a magnetic spreader bar by connecting two magnets together,

with one functioning as the master, sending commands to the slave magnet.

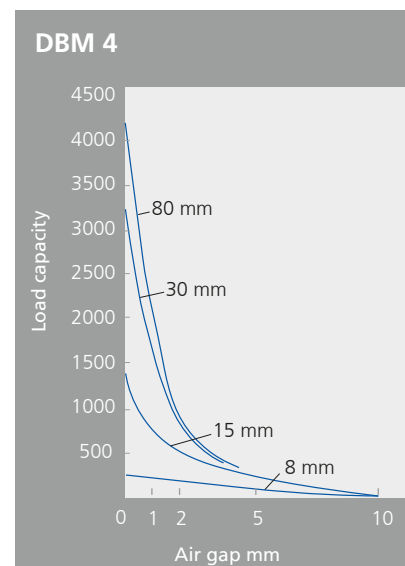
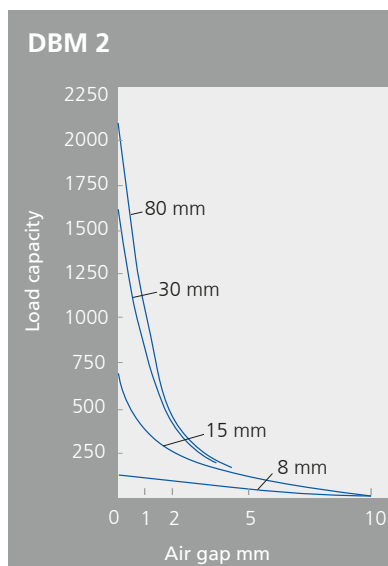
A special feature is the possibility with which loads can be discharged sporadically.



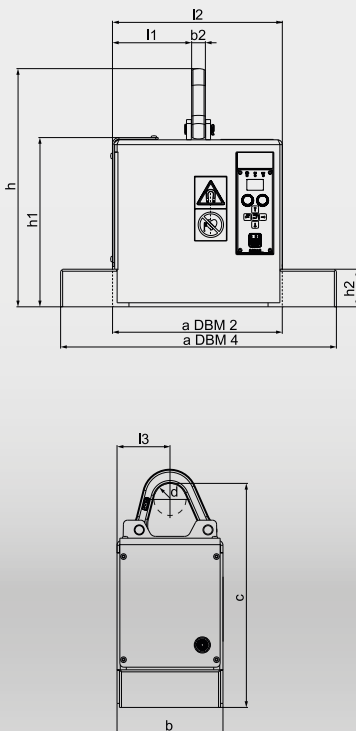
Caption: DBM operating panel

The actual load capacity depends on the air gap between the surface of the material being lifted and the magnet and on the weight of the material.

Demag DBM battery magnets satisfy the requirements of DIN EN 13155.



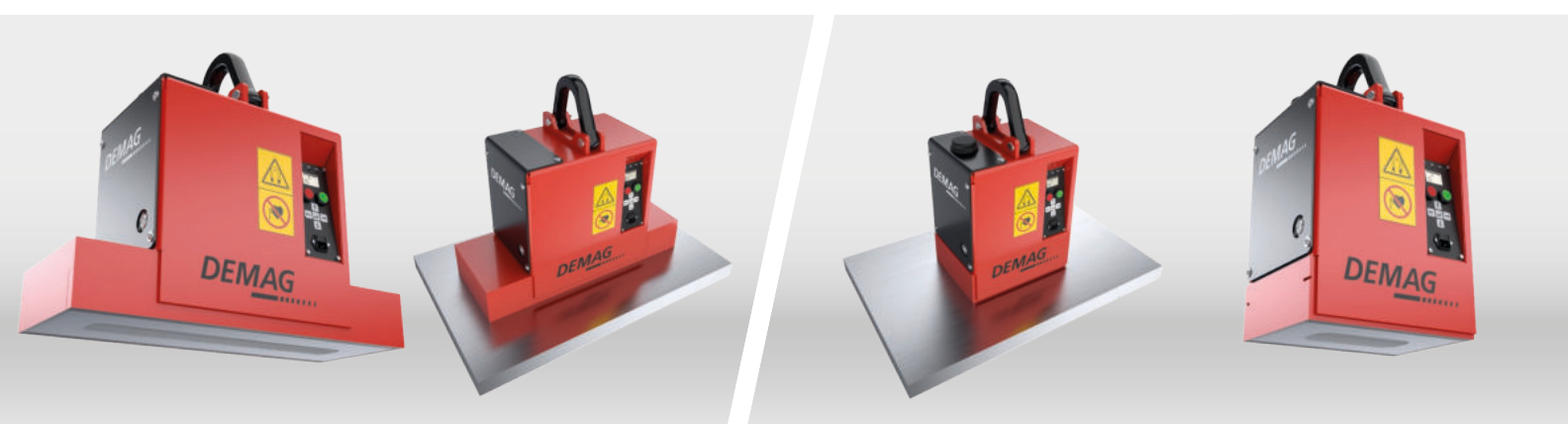
Technical data



Size	Dimensions in [mm]										
	b	a	h	c	h1	h2	l1	l2	l3	b2	d
DBM 2	262	350	601	566	431	105	155	350	131	34	80
DBM 4	262	680	589	554	434	93	196	420	131	34	120

Type	DBM 2	DBM 4
Maximum load capacity for safety factor of 2 [kg]	2,200	4,000
Power consumption [W]	102	184
Battery voltage [V]	12	12
Battery capacity [Ah]	75	85
Discharging time at 50% CDF/10 min [in hours]	8	8
Max. charging time [in hours]	7	9
Charging voltage [V]/[Hz]	230 / 50	230 / 50
	110 / 50	110 / 50
Deadweight [kg]	80	169

1022 EN/DE 213 741 44 701 IS 865
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Printed in Germany D/01102022



Demag DBM4 battery magnets can lift magnetisable loads of up to 4 tons.

Demag DBM2 battery magnets can lift magnetisable loads of up to 2 tons.

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