

BATTERY POWERED LIFTING MAGNETS

SAV 531.42 - BM / BMP

Intended use:

Lifting and moving of loads up to 5000 kg independent from a power supply line. Self-sufficient electromagnets for individual use with infra-red remote control.

Features:

- Robust steel casing with control and charging unit and maintenance-free 12 V battery
- Bail switch on the lifting eye prevents switching-off during lifting movements.
- Charging level indicator, optic/acoustic alarm signal at low current and battery capacity
- The magnet cannot be switched off when the battery voltage is too low
- Operation through infra-red remote control with 10 m range or directly on the magnet
- Modern electronics with quick reaction times
- Delivery including battery, infra-red transmitter, operation manual and test certificate
- According European guidelines and standards such as UNI EN 13155:2003

Model BM in flat execution with one or two magnets for lifting of flat material.

Standard with tip-off function over the infra-red transmitter. Model BM 3600 optimized for thin sheets up to 6000 x 3000 mm.

Model BMP with prism and deep magnetic field for lifting of profiles, tubes and round material and additionally flat material with rough contact surface.

Radio remote control on request.

Applications:

- In steel construction and in shipyards to handle steel sheets and profiles:
 - Loading and clearing of flame- or laser cutting machines
 - Loading/unloading of large machine tools
- In steel warehouses for material handling
- Transport of heavy dies, castings and forgings



BM 2500-MkII



BMP 1800-MkII

Model		BM 1350	BM 2500	BM 3600	BM 5000	BMP 1800	BMP 3600
Execution		Flat 1 Magnet	Flat 1 Magnet	flach 1 Magnet	Flat 2 Magnets	Prismatic 1 Magnet	Prismatic 1 Magnet
Nominal lifting capacity*							
- Flat material	kg	1350	2500	3600	5000	1800	3600
- Round material	kg	-	-	-	-	1100	1800
ø min / max	mm	-	-	-	-	25 - 300	25 - 300
Length x Width	mm	272 x 242	400 x 242	1050 x 240	1200 x 300	470 x 242	760 x 262
Height to the crane hook	mm	480	485	480	500	615	670
Battery power	Ah	31	79	79	79	79	79
Action time 50% ED	h	8	8	8	8	8	8
Charging voltage	VAC	230	230	230	230	230	230
Weight	kg	72	98	184	224	185	420

* Nominal lifting capacity

Maximum weight for steel parts S235JR with smooth contact surfaces and of sufficient size and thickness.

The lifting capacity varies according to the type of material, the thickness, the size and the quality of the surface.

Ordering example: Battery powered lifting magnet SAV 531.42 - BM 1350 - 230
Designation SAV - No. - Model - charging voltage

BATTERY POWERED LIFTING MAGNETS

SAV 531.42 - BM - TM

Intended use:

Lifting and moving of longer and larger loads independent from a power supply line. Especially developed for loading and unloading of sawing machines. Self-contained electromagnetic system for indoor use.

Features:

- Narrow magnet base, especially suitable for handling of profiles (H, I and U beams)
- Robust steel casing with control and charging unit and maintenance-free 12 V battery
- Bail switch on the lifting eye prevents switching-off during lifting movements.
- Charging level indicator, optic/acoustic alarm signal at low current and battery capacity
- The magnet cannot be switched off when the battery voltage is too low
- Operation through infra-red remote control with 10 m range or directly on the magnet
- Modern electronics with quick reaction times
- Delivery including battery, infra-red transmitter, operation manual and test certificate
- According European guidelines and standards such as UNI EN 13155:2003

Applications:

- For loading and unloading of sawing machines
- In warehouses and steel works
- Handling of long bars, tubes and profiles



Handling of a cut-off beam at a sawing machine

Model			BM-TM 1000	BM-TM 1500
Nominal lifting capacity* on flat material				
At air gap	0 mm	kg	2500	3750
	Width/300	kg	1870	2750
	Width/100	kg	1400	1650
Nominal lifting capacity* on round material				
At air gap	0 mm	kg	1250	1875
Magnet length x width	mm		1000 x 100	1500 x 100
Overall width	mm		242	242
Height to the crane hook	mm		670	670
Battery power	Ah		79	79
Action time at 50% ED	h		8	8
Charging voltage	VAC		230	230
Weight	kg		200	350

* Nominal lifting capacity

Maximum weight for steel parts S235JR with smooth contact surfaces and of sufficient size and minimum thickness 50 mm. The lifting capacity varies according to the type of material, the thickness, the size and the quality of the surface.

Ordering example: Battery powered lifting magnet SAV 531.42 - BM-TM 1000 - 230
 Designation SAV - Nr. - Model - Charging voltage

