

**SAV 531.42 BATTERY LIFTING MAGNETS**

**APPLICATION**

For lifting and transporting loads up to 5000 kg without power supply. Autonomous electro magnet for individual use with infrared control.

**SPECIAL FEATURES**

- Robust steel housing with control and charging unit and maintenance-free 12 V battery.
- A switch on the lifting eye prevents switching off during the lifting process
- Loading level indicator, optical/acoustic alarm signal for undercurrent and low battery capacity
- Activation is blocked if the battery voltage is low
- Operation with infrared control with 10 m range or on the magnet
- Modern electronics with short reaction time
- Delivery includes battery, infrared transmitter, operating instructions and test certificate
- Complies with European directives and standards
- With variable holding force and function for dropping thin plates so the rest can be transported safely; operated with infrared remote control
- **BM model** – flat version with one or two magnets for lifting flat materials. BM model designed for sheet metal up to 6000 x 3000 mm.
- **BMP model** – with prism and deep magnetic field for lifting profiles, tubes and round materials

**APPLICATIONS**

- In steel construction and at shipyards for transporting sheet metal and profiles:
  - Loading and clearing flame cutting or laser cutting machines
  - Loading and unloading of machine tools
- For material handling in the steel trade
- Transport of heavy moulds, cast and forged parts



BM 2500



BMP 1800

Model		BM 1350	BM 2500	BM 3600	BM 5000	BMP 1800	BMP 3600
Design		Flat 1 magnet	Flat 1 magnet	Flat 1 magnet	Flat 2 magnets	Prismatic 1 magnet	Prismatic 1 magnet
Rated carrying capacity*							
▪ Flat materials	kg	1350	2500	3600	5000	1800	3600
▪ Round materials	kg	-	-	-	-	1130	2200
Min./max. diameter	mm					45/440	45/500
Length x width	mm	272 x 242	400 x 242	1050 x 240	1200 x 300	470 x 242	760 x 262
Height to crane hook	mm	460	460	460	460	610	630
12 V battery	Ah	35	75	75	75	75	75
50 % duty cycle	h	8	8	8	8	8	8
Charging voltage	VAC	230	230	230	230	230	230
Weight	kg	54.0	105.0	180.0	230.0	144.0	395.0

\* Rated carrying capacity:  
Maximum weight for parts made of steel S235JR with polished contact surface, sufficient size and thickness.  
The carrying capacity varies with the material, strength, size and surface quality.

**ORDERING EXAMPLE**

Designation SAV no. - model  
Battery lifting magnet SAV 531.42 - BM 1350

PERM  
1.2.1  
E  
1.2.2  
EP  
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