

## 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



BM 2500



BMP 1800

## 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

| Model                    |     | BM 1350          | BM 2500          | BM 3600          | BM 5000           | BMP 1800              | BMP 3600              |
|--------------------------|-----|------------------|------------------|------------------|-------------------|-----------------------|-----------------------|
| Design                   |     | Flat<br>1 magnet | Flat<br>1 magnet | Flat<br>1 magnet | Flat<br>2 magnets | Prismatic<br>1 magnet | Prismatic<br>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