

BUX[®]

ELECTRO-PERMANENT LIFTING MAGNETS

Versatile lifting with BUX "EPH" series



Safe

- Permanent magnetic system actuated by a single current impulse
- No loss of holding force if power supply fails

Versatile

- Handling of both flat and round material
- Models EPH 0 and 1 can be integrated into robot systems and handling devices
- Optional remote control for EPH 4 and 6

Economic

- Low energy consumption
- Virtually no maintenance

Applications

- Load, unload machine tools
- In automated systems for repetitive handling
- In the assembly area for lifting of medium sized structures



Specifications

| Model | EPH 0 | EPH 1 | EPH 4 | EPH 6 |
|---------------------------------|--------|--------|--------|--------|
| Nominal* lift capacity | | | | |
| - flat material (kg) | 115 | 250 | 500 | 750 |
| - round material (kg) | 50 | 100 | 200 | 300 |
| Tested** break-away force (daN) | 350 | 750 | 1500 | 2250 |
| Ø min./max. (mm) | 80/150 | 40/150 | 40/200 | 40/200 |
| Length (mm) | 260 | 260 | 420 | 580 |
| Width (mm) | 64 | 166 | 176 | 176 |
| Height (mm) | 231 | 356 | 430 | 430 |
| Mass (kg) | 10.5 | 35 | 73 | 102 |
| Supply voltage (V~) | 230 | 230 | 230 | 230 |
| Current consumption (A) | 2.5 | 1.7 | 2.5 | 4 |

* Nominal lift capacity includes a safety factor of at least 3
Capacity varies with workpiece material, thickness and surface quality
** Tested on a ground, 50 mm thick, mild steel plate



WALKER MAGNETICS