

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