

EPM BAT

Battery Lifting Magnet

The Electropermanent Battery Lifting Magnets can be used without connection to the power supply. They combine safety of permanent magnets with the operation comfort of electromagnets. Sheets from 6 mm thickness can also be separately lifted from stack. Even magnetizing and demagnetizing of the lifting magnet can take place automatically.



- 🕒 The automode mechanism: The magnet switches automatically, as soon as it is put on the work piece and the crane hook is relieved

Application

- ▶ For flat and round material, as the magnetic adhesive surface is provided with a prism pole shoe
- ▶ For thin and thick, small and large sheets
- ▶ Usable for traverse operation with several magnets
- ▶ For raw material, semi-finished and finished products
- ▶ In mechanical engineering, tool manufacturing, plant engineering, steel construction, shipbuilding, steel mill, cutting-, laser operation, transport company or materials store





EPM BAT 5000P

Professional advantages

- ▶ Automatic magnetizing and demagnetizing of the work piece (Automode)
- ▶ 3 times safety factor (safety device prevents coincidental dropping of the load)
- ▶ 4 adhesive force levels for lifting from a material thickness up to 6mm - optionally a tapping for separating stacking sheets is possible by remote control
- ▶ They also master the challenges like scaled, rough or oily surfaces
- ▶ No current flows during lifting (they are magnetized or demagnetized or tapped by pulse current)
- ▶ Usable in multi-shift operations, because approx. 300 switches are possible

Features

- ☑ It can be selected between manual button operation or automatic operation
- ☑ Max. operation temperature 80°C
- ☑ Optical and acoustic alarm device with battery charge level indicator
- ☑ Magnet is connected to the power supply to charge the accumulators, recharge time approx. 8 h, operation time approx. 300 operation cycles
- ☑ Replaceable, durable gel battery accumulators

Options

- ☑ Special pole shoes for round material
- ☑ Services: Test according to German Accident Prevention Regulations and repair
- ☑ Radio remote control for the separation of sheets from 6 mm thickness or for use on spreader beams

Technical data	Dimensions [L×W×H] [mm]	Load	Min. thickness [mm]	Min. thickness for separating [mm]	Load	Max. ø [mm]	Contact surface [L×B] [mm]	Weight [kg]	No.
		SWL 3:1 Fh [kg]			SWL 3:1 Fh [kg]				
EPM BAT 3000P	560 x 340 x 500	3.000	40	6	1.500	300	460 x 230	190	28527
EPM BAT 5000P	740 x 410 x 320	5.000	50	6	2.500	300	680 x 380	520	33855
EPM BAT 10000	1.060 x 500 x 600	10.000	70	6	-	-	1.060 x 500	715	64358
EPM BAT 300L	940 x 220 x 280	3.000	40	6	-	-	880 x 180	190	60429