



Application

These electro permanent lifting magnets can lift and set down ferrous magnetic workpieces in a matter of seconds. The special arrangement of the double magnet system (AlNiCo combined with Neodymium) achieves massive holding force even with very low weight magnets. The bi-polar magnet system, above all, enables stacked flat and rounded materials to be lifted individually with ease. The small design construction enables pieces to be picked up, even to the very edge of a parts stack. In this way, the distance between stacks can be reduced to a minimum.

Additional prism shaped lifting gear also enables problem free transport of pipes and shafts. The extremely compact design and activation with short demagnetization times makes the 5190N electro permanent lifting magnet suitable for a wide range of handling applications. Implementation in an industrial roboting system is possible.

Activation

Our electronic pole reversal units 752/754/755 activate the magnets quickly and precisely. The monitored magnetism process of the duration magnet system guarantees complete operational safety in the event of a power failure. Up to 16 holding force levels can be stored for critical components. Different selectable programs are provided for fast and precise demagnetization. The electronic pole reversal unit is activated by buttons, a PLC or separate controller.

Type	Width [mm]	Length [mm]	Height [mm]	Weight [kg]	Pull-off force [daN] *	Load bearing capacity [daN] **
5190N-6/15	60	150	120	7,0	720	240
5190N-6/19	60	190	120	8,9	915	305
5190N-6/22.5	60	225	120	10,5	1095	365
5190N-6/26	60	260	120	12,2	1275	425
5190N-6/30	60	300	120	14,0	1470	490
5190N-6/34	60	340	120	15,9	1650	550
5190N-6/38	60	380	120	17,8	1860	620
5190N-6/42	60	420	120	19,7	2040	680
5190N-6/46	60	460	120	21,5	2220	740
5190N-6/50	60	500	120	23,4	2400	800
5190N-10/20	100	200	140	18,2	1620	540
5190N-10/25	100	250	140	22,8	2010	670
5190N-10/30	100	300	140	27,3	2400	800
5190N-10/35	100	350	140	31,9	2790	930
5190N-10/40	100	400	140	36,4	3180	1060
5190N-10/45	100	450	140	41,0	3600	1200
5190N-10/50	100	500	140	45,5	4020	1340

* measured according to EN 13155 with an air gap of 0 mm, with a massive steel plate, magnet temperature approx. 20 ° C
 ** for triple safety

Special features:

- Removable suspension brackets
- Prism lifting gear
- Special lengths
- Complete cross bars
- Different pulse voltages
- Plug-type connectors
- Strap with switch buttons

Technical data:

Nominal voltage: 210 V d.c. (pulsed)
 max. ambient temperature: +45 ° C
 Protection type: IP 64
 Designed in accordance with: EN 13155:2003

We offer four options for the location of the electric supply!

Technology
Full Of Attraction



Wagner Magnete GmbH & Co. KG
Spann- und Umwelttechnik
87751 HEIMERTINGEN / GERMANY
Phone +49(0)8335/980-0
Fax +49(0)8335/980-270
Internet www.wagner-magnete.de
E-Mail info@wagner-magnete.de