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Make use of the force and easy control of the lifting magnets in your company. Magnetic tools will replace ropes, chains or clamps during handling and lifting. Your operations will be more efficient, you will save manpower and enhance safety when handling steel products and large pieces of raw iron in smelting works and steel works, workshops and in metallurgical material warehouses.
**Neo**

The magnet meets the 3+ safety factor

BUX design - a compact body with only two recessed screws

5-year warranty for the magnetic system

The Air Gap test – a tear-off test is carried out with the air gap - we place emphasis on higher safety in real operating conditions

**When to choose a Neo permanent lifting magnet:**

The Neo magnet is widely used for handling ferromagnetic materials in the metal industry – in workshops, on building sites, in warehouses for semi-finished steel products, when handling steel workpieces, tools, sheets, metal profiled sections, tubes, and bars.

**APPLICATION**

Lifting

**TECHNOLOGY**

Permanent

**NOMINAL LIFTING CAPACITY FOR FLAT MATERIAL**

- up to 2000 kg

**NOMINAL LIFTING CAPACITY FOR ROUND MATERIAL**

- up to 1000 kg

**TEMPERATURE**

- max. 80 °C

**Important parameters:**

- Nominal lifting capacity for flat material: up to 2000 kg
- Nominal lifting capacity for round material: up to 1000 kg
- Safety factor: 3+ (EN 13155)

**Use:**

- handling flat, round, and cylindrical workpieces
- lifting of profiled sections and sheets

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Ø of eye (mm)</th>
<th>Weight (kg)</th>
<th>Tested lifting capacity (kg)</th>
<th>Workload limit flat materials (kg)</th>
<th>Workload limit round materials (kg)</th>
<th>Ø min/max (mm)</th>
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<td>65</td>
<td>40/100</td>
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<tr>
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<td>65/270</td>
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<td>3200</td>
<td>1000</td>
<td>500</td>
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<td>90</td>
<td>6200</td>
<td>2000</td>
<td>1000</td>
<td>150/350</td>
</tr>
</tbody>
</table>
Neo Hot

When to choose a Neo Hot permanent magnet:

The HOT series is a special design of permanent Neo lifting magnet intended for handling hot materials – burn parts, forgings, tools, workpieces, sheets, profiled sections, tubes, etc. It is noted for its high resistance when operated in difficult conditions and it makes it possible to handle loads at a temperature of up to 180 °C.

**Important parameters:**
- Nominal lifting capacity for flat material: up to 2000 kg
- Temperature: max. 180 °C
- Safety factor: 3+ (EN 13155)

**Use:**
- handling and lifting of not only hot loads
- handling flat and round workpieces
- handling sheets and profiled sections

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Ø of eye (mm)</th>
<th>Weight (kg)</th>
<th>Tested lifting capacity (kg)</th>
<th>Workload limit flat materials (kg)</th>
<th>Workload limit round materials (kg)</th>
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<td>40/100</td>
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<td>NEOL250H</td>
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<td>152</td>
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<td>16</td>
<td>10</td>
<td>800</td>
<td>250</td>
<td>125</td>
<td>60/200</td>
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<tr>
<td>NEOL500H</td>
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<td>246</td>
<td>180</td>
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<td>21</td>
<td>1600</td>
<td>500</td>
<td>250</td>
<td>65/270</td>
</tr>
<tr>
<td>NEOL1000H</td>
<td>146</td>
<td>306</td>
<td>236</td>
<td>20</td>
<td>40</td>
<td>3200</td>
<td>1000</td>
<td>500</td>
<td>100/300</td>
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<tr>
<td>NEOL1500H</td>
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<td>374</td>
<td>273</td>
<td>20</td>
<td>69</td>
<td>4700</td>
<td>1500</td>
<td>750</td>
<td>150/350</td>
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<tr>
<td>NEOL2000H</td>
<td>165</td>
<td>478</td>
<td>273</td>
<td>20</td>
<td>90</td>
<td>6200</td>
<td>2000</td>
<td>1000</td>
<td>150/350</td>
</tr>
</tbody>
</table>
When to choose a BM magnet:

The BM battery lifting magnet complete with remote control is a suitable tool for handling on premises where it is otherwise difficult to operate a lifting device manually. The remote control operates up to a distance of 10 metres. It is also used for cutters and flame cutting machines when handling metal sheets and loads up to 5000 kg.

### APPLICATION
- Lifting

### TECHNOLOGY
- Electro/battery

### NOMINAL LIFTING CAPACITY
- up to 5000 kg

### DUTY CYCLE
- 50%

### BATTERY LIFE
- 8 hours at 50% cycle

#### Important parameters:
- Nominal lifting capacity for flat material: up to 5000 kg
- Safety factor: 2:1

#### Use:
- lifting a load with a flat surface
- handling, in particular, sheet metal, blocks, forgings, castings, and burn parts
- suitable as accessory equipment for cranes designed for handling material for grinders, milling machines, cutters, and flame cutting machines; these can be used in metallurgical plants, warehouses, and despatch departments

<table>
<thead>
<tr>
<th>Model</th>
<th>Workload limit flat materials (kg)</th>
<th>Tested lifting capacity (kg)</th>
<th>W x L of base (mm)</th>
<th>Height up to crane hook (mm)</th>
<th>Weight (kg)</th>
<th>Built in battery</th>
<th>Type of battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM1350</td>
<td>1350</td>
<td>2700</td>
<td>242 x 272</td>
<td>460</td>
<td>60</td>
<td>12 V/35 Ah</td>
<td>FG12 - 35 D</td>
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<tr>
<td>BM2500</td>
<td>2500</td>
<td>5000</td>
<td>242 x 400</td>
<td>460</td>
<td>72</td>
<td>12 V/75 Ah</td>
<td>FG12 - 75 D</td>
</tr>
<tr>
<td>BM3600</td>
<td>3600</td>
<td>7200</td>
<td>240 x 1050</td>
<td>460</td>
<td>180</td>
<td>12 V/75 Ah</td>
<td>FG12 - 75 D</td>
</tr>
<tr>
<td>BM5000</td>
<td>5000</td>
<td>10000</td>
<td>300 x 1200</td>
<td>460</td>
<td>203</td>
<td>12 V/75 Ah</td>
<td>FG12 - 75 D</td>
</tr>
</tbody>
</table>
When to choose a BMP battery-powered lifting magnet:

The battery-powered BMP series lifting magnets are easily manageable aids with a high degree of safety. They are designed for handling flat and round ferromagnetic materials as well as other profiles. The remote control will facilitate your work in locations with poor accessibility.

**APPLICATION** | **TECHNOLOGY** | **NOMINAL LIFTING CAPACITY FOR FLAT MATERIAL** | **NOMINAL LIFTING CAPACITY FOR ROUND MATERIAL** | **DUTY CYCLE**
--- | --- | --- | --- | ---
Lifting | Electro/battery | up to 3600 kg | up to 2200 kg | 50 %

**Important parameters:**
Nominal lifting capacity for flat material: up to 3600 kg
Nominal lifting capacity for round material: up to 2200 kg
Temperature: max. 50 °C
Safety factor: 2:1

**Use:**
- handling loads with reduced surface quality
- handling tubes, bars, I-, H-, T-, and Z-shaped profiled sections and more
- it will also manage flat material, angle sections, sheet piles, etc.

<table>
<thead>
<tr>
<th>Model</th>
<th>Workload limit flat materials (kg)</th>
<th>Workload limit round materials (kg)</th>
<th>Ø min/max (mm)</th>
<th>Tested lifting capacity (kg)</th>
<th>W x L of base (mm)</th>
<th>Height up to crane hook (mm)</th>
<th>Weight (kg)</th>
<th>Built in battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMP1800</td>
<td>1800</td>
<td>1100</td>
<td>40/440</td>
<td>3600</td>
<td>242 x 470</td>
<td>610</td>
<td>167</td>
<td>12 V/75 Ah</td>
</tr>
<tr>
<td>BMP3600</td>
<td>3600</td>
<td>2200</td>
<td>45/500</td>
<td>7200</td>
<td>262 x 760</td>
<td>610</td>
<td>420</td>
<td>12 V/75 Ah</td>
</tr>
</tbody>
</table>
**GP 250**

When to choose a GP 250 permanent crane magnet:

The GP 250 is a permanent crane magnet for handling metal sheets and steel plates from 3 mm in thickness. Thanks to its unique configuration of poles, it is possible to use this magnet and take individual metal plates from a stack, starting with 4 mm in thickness. At the same time, this configuration reduces peel-off effect by thin metal sheets significantly.

**Important parameters:**

- Horizontal working limit: 250 kg
- Vertical working limit: 80 kg
- Size: 288 x 200 x 40 mm
- Temperature: max. 80 °C

**Use:**

- Strong magnet designed for suspension from a crane hook
- Handling loads from horizontal to vertical positions and vice versa
- Handling sheet metals from a stack, from 4 mm material thickness

**Model** | **W (mm)** | **L (mm)** | **H (mm)** | **Horizontal limit (kg)** | **Vertical limit (kg)** | **Weight (kg)** | **Tested break away force (kg)**
--- | --- | --- | --- | --- | --- | --- | ---
GP250 | 200 | 288 | 40 | 250 | 80 | 9.75 | 1100
When to choose a Neo EP electropermanent lifting magnet:

Neo EP electropermanent lifting magnets are suitable for frequent and repeated workpiece handling and lifting – electrical control of the magnet requires no physical exertion, which is why it saves manpower and enhances work efficiency.

### Important parameters:
- **Lifting capacity for flat material:** up to 4000 kg
- **Temperature:** max. 80 °C
- **Duty cycle:** 100%

### Use:
- **NEOSQ300:** handling smaller parts from mass production, blanks, forgings, castings
- **NEOSQ600:** handling longer parts and profiled sections
- **NEOSQ1000:** handling thicker sheets, burn parts, tools, and cuts
- **NEOSQ4000:** handling large parts during plasma cutting

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Number of poles</th>
<th>Pole structure</th>
<th>Breakaway force (kN)</th>
<th>Clamping surface (mm)</th>
<th>Weight (kg)</th>
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</thead>
<tbody>
<tr>
<td>NEOSQ300</td>
<td>164</td>
<td>164</td>
<td>420</td>
<td>4</td>
<td>50</td>
<td>14</td>
<td>116 x 166</td>
<td>23</td>
</tr>
<tr>
<td>NEOSQ600</td>
<td>95</td>
<td>420</td>
<td>450</td>
<td>6</td>
<td>50+</td>
<td>22</td>
<td>372 x 52</td>
<td>44</td>
</tr>
<tr>
<td>NEOSQ1000</td>
<td>228</td>
<td>228</td>
<td>295</td>
<td>4</td>
<td>80</td>
<td>36</td>
<td>172 x 172</td>
<td>77</td>
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<tr>
<td>NEOSQ4000</td>
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<td>783</td>
<td>295</td>
<td>16</td>
<td>80</td>
<td>144</td>
<td>724 x 172</td>
<td>132</td>
</tr>
</tbody>
</table>
When to choose a Neo HV lifting arm:

The Neo HV is a lifting arm, thanks to which, in combination with a lifting magnet, you can easily turn a workpiece from the horizontal to the vertical position. You will appreciate this when handling sheets, metal plates and round materials for lathes and horizontal machining centres.

Important parameters:
Nominal lifting capacity for flat material: up to 1000 kg  
Safety factor: 3:1

Additional information:
+ the lifting magnet is not included

Use:
+ for manoeuvring workpieces to horizontal machining centres and lathes

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Capacity (kg)</th>
<th>Workpiece width (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LARM250</td>
<td>210</td>
<td>958</td>
<td>244</td>
<td>250</td>
<td>300 - 800</td>
<td>16</td>
</tr>
<tr>
<td>LARM500</td>
<td>210</td>
<td>1158</td>
<td>244</td>
<td>500</td>
<td>300 - 1000</td>
<td>20</td>
</tr>
<tr>
<td>LARM1000</td>
<td>210</td>
<td>1211</td>
<td>297</td>
<td>1000</td>
<td>300 - 1000</td>
<td>33</td>
</tr>
</tbody>
</table>
MC hand magnet

When to choose an MC hand magnet for manual load handling:

Hand magnets are used solely for quick manual handling of sheets, burn parts, smaller steel blocks and other smooth steel items. MC hand magnets are also suitable for lifting individual sheets from a stack. This type of hand magnet IS NOT designed for use on a crane.

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>TECHNOLOGY</th>
<th>LIFTING CAPACITY</th>
<th>VERTICAL CAPACITY</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual handling</td>
<td>Permanent</td>
<td>up to 90 kg</td>
<td>max. 50 kg</td>
<td>from 1.4 kg</td>
</tr>
</tbody>
</table>

Important parameters:
Application:   Lifting
Technology:   Permanent
Lifting capacity:   up to 90 kg

Use:
+ easy manual handling of heavy and difficult to grasp loads
+ manual handling of loads such as sheets, burn parts, and other steel objects
+ suitable for removing individual sheets from a stack

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Max. capacity (kg)</th>
<th>Weight (kg)</th>
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<td>MC-2</td>
<td>150</td>
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<td>27</td>
<td>60</td>
<td>1.4</td>
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<td>MC-2S</td>
<td>160</td>
<td>230</td>
<td>24</td>
<td>90</td>
<td>2.9</td>
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</tbody>
</table>
Magnetic chucks are modern devices replacing vices, mechanical clamps and fixtures. Clamping and unclamping of the machined components is a matter of a moment, the workpiece is accessible from 5 sides, and the chuck does not damage the product. Thanks to this, you will reduce your production costs.
Mastermill

When to choose a Mastermill electropermanent magnetic chuck:

If you are looking for a versatile magnetic chuck for milling and drilling of small and large workpieces, then a Mastermill chuck is the right choice. Using pole extensions, the material can be machined from 5 sides, drilled through, and uneven material can be machined as well. For optimum holding force, the required workpiece thickness is at least 12 mm.

### Important parameters:

- **Holding force:** 170 N/cm²
- **Min. workpiece size:** 50 x 110 x 12 mm
- **Poles:** Square
- **Regrinding limit:** 6 mm
- **Pole size:** 50 x 50 mm

### Use:

- machining of uneven parts up to 5 sides
- clamping of a wide range of workpiece sizes during milling
- clamping of large forms, castings, blocks, structures, etc. during drilling operations
- rough grinding of large parts

### Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Number of poles</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
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<td>61</td>
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<td>92</td>
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<td>990</td>
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<tr>
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<td>800</td>
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<td>850</td>
<td>990</td>
<td>51</td>
<td>194</td>
</tr>
</tbody>
</table>

For more information, visit www.walmagmagnetics.com
Neomill Compact

When to choose a Neomill Compact magnetic chuck:

Milling, Drilling, planing or heavy grinding. The Neomill magnetic chuck can be of use anywhere where really a high holding force and stability for clamping of relatively small workpieces are needed.

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>TECHNOLOGY</th>
<th>CHUCK DIMENSION</th>
<th>HOLDING FORCE</th>
<th>POLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milling</td>
<td>Permanent</td>
<td>from 150 x 250 mm</td>
<td>160 N/cm²</td>
<td>Transverse</td>
</tr>
</tbody>
</table>

Important parameters:
- Holding force: 160 N/cm²
- Min. workpiece size: 15 x 15 x 6 mm
- Poles: Transverse
- Regrinding limit: 10 mm
- Pole pitch: T15 11+4 mm (steel/epoxy)

Additional information:
- available also with mounted top plate with steel and brass lamellae

Use:
- milling, drilling, planing, heavy grinding

For more information, visit www.walmagmagnetics.com
Neomill Compact pallet

When to choose a Neomill Compact pallet chuck:

The Neomill Compact pallet magnetic chuck is designed for workpiece clamping and for precise workpiece clamping in automated production plants. It is suitable for machining, grinding, milling, electrical discharge machining and measuring operations from smaller up to medium and larger components. You will use it everywhere a high holding force and stability is required.

### Important parameters:
- **Application:** Milling, surface grinding
- **Technology:** Permanent
- **Holding force:** 160 N/cm²
- **Min. workpiece size:** 15 x 15 x 6 mm
- **Poles:** Transverse
- **Regrinding limit:** 10 mm
- **Pole pitch:** T15 11+4 mm (steel/epoxy)

### Use:
- clamping of small up to large workpieces
- medium duty and high speed milling
- heavy duty surface grinding
- 5-axis machining
- electrical discharge machining - EDM

### Model Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOM240240</td>
<td>240</td>
<td>240</td>
<td>48</td>
<td>21</td>
</tr>
<tr>
<td>NEOM280280</td>
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<td>NEOM320320</td>
<td>320</td>
<td>320</td>
<td>48</td>
<td>37</td>
</tr>
</tbody>
</table>
Neopower pallet

When to choose a Neopower pallet magnetic chuck:

The Neopower pallet magnetic chuck is used for clamping of medium large up to large components on automatic machining centres. It is suitable for heavy and high speed milling, five-axis machining, drilling, threading and heavy grinding.

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>TECHNOLOGY</th>
<th>CHUCK DIMENSION</th>
<th>HOLDING FORCE</th>
<th>POLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milling</td>
<td>Permanent</td>
<td>from 240 x 240 mm</td>
<td>160 N/cm²</td>
<td>Transverse</td>
</tr>
</tbody>
</table>

Important parameters:
Application: Milling
Technology: Permanent
Holding force: 160 N/cm²
Min. workpiece size: 75 x 75 x 10 mm
Regrinding limit: 8 mm
Pole pitch: T19 15+4 mm (steel/epoxy)

Use:
+ clamping of medium-sized up to large components
+ heavy and high speed milling
+ 5-axis machining
+ drilling and threading
+ heavy grinding

<table>
<thead>
<tr>
<th>Model (Neopower pallet)</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOP240240P</td>
<td>240</td>
<td>240</td>
<td>60</td>
<td>27</td>
</tr>
<tr>
<td>NEOP280280P</td>
<td>280</td>
<td>280</td>
<td>60</td>
<td>37</td>
</tr>
<tr>
<td>NEOP320320</td>
<td>320</td>
<td>320</td>
<td>60</td>
<td>46</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model (Neopower)</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOP300600</td>
<td>300</td>
<td>600</td>
<td>63</td>
<td>90</td>
</tr>
</tbody>
</table>
Neodymax

When to choose the Neodymax permanent magnetic chuck:

Neodymax magnetic chucks have a double neodymium magnetic system for creating a very high holding force. This makes the chucks suitable for demanding machining operations, e.g. heavy surface grinding or light milling.

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOD150300</td>
<td>150</td>
<td>300</td>
<td>54</td>
<td>20</td>
</tr>
<tr>
<td>NEOD150450</td>
<td>150</td>
<td>450</td>
<td>54</td>
<td>30</td>
</tr>
<tr>
<td>NEOD200450</td>
<td>200</td>
<td>450</td>
<td>54</td>
<td>40</td>
</tr>
<tr>
<td>NEOD250380</td>
<td>250</td>
<td>380</td>
<td>56</td>
<td>40</td>
</tr>
<tr>
<td>NEOD300600</td>
<td>300</td>
<td>600</td>
<td>56</td>
<td>78</td>
</tr>
</tbody>
</table>
Elmag Wave

When to choose an Elmag Wave magnetic chuck:

Elmag Wave is an electromagnetic chuck suitable for heavy and high-performance surface grinding. The chucks are particularly efficient for roughing operations primarily on vertical grinders with grinding segments.

APPLICATION  TECHNOLOGY  CHUCK DIMENSION  HOLDING FORCE  POLES

Grinding  Electro  from 200 x 600 mm  130 N/cm²  Wave type

Model  W (mm)  L (mm)  H (mm)  Weight (kg)

ELMGW200600  200  600  70  59
ELMGW2001000  200  1000  80  113
ELMGW2501000  250  1000  79  135
ELMGW300500  300  500  70  74
ELMGW300600  300  600  70  89
ELMGW300800  300  800  70  119
ELMGW3001000  300  1000  80  170
ELMGW3001500  300  1500  80  254
ELMGW400600  400  600  70  119
ELMGW400700  400  700  70  138
ELMGW400800  400  800  70  158
ELMGW6001000  600  1000  80  347
ELMGW6001500  600  1500  80  533
ELMGW6002000  600  1500  80  689

Important parameters:

Min. workpiece size:  120 x 40 x 20 mm
Pole pitch: T40
Regrinding limit:  8 mm

Use:

+ heavy and high-performance surface grinding
+ roughing primarily on vertical grinders with grinding segments

For more information, visit www.walmagmagnetics.com
Elmag Compact

When to choose an Elmag Compact magnetic chuck:

The Elmag Compact electromagnetic chuck is suitable for heavy and final surface grinding of medium to large size workpieces.

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELMG200600</td>
<td>200</td>
<td>600</td>
<td>70</td>
<td>60</td>
</tr>
<tr>
<td>ELMG2001000</td>
<td>200</td>
<td>1000</td>
<td>80</td>
<td>116</td>
</tr>
<tr>
<td>ELMG2501000</td>
<td>250</td>
<td>1000</td>
<td>79</td>
<td>137</td>
</tr>
<tr>
<td>ELMG300500</td>
<td>300</td>
<td>500</td>
<td>70</td>
<td>76</td>
</tr>
<tr>
<td>ELMG300600</td>
<td>300</td>
<td>600</td>
<td>70</td>
<td>91</td>
</tr>
<tr>
<td>ELMG300800</td>
<td>300</td>
<td>800</td>
<td>70</td>
<td>122</td>
</tr>
<tr>
<td>ELMG3001000</td>
<td>300</td>
<td>1000</td>
<td>80</td>
<td>174</td>
</tr>
<tr>
<td>ELMG3001500</td>
<td>300</td>
<td>1500</td>
<td>80</td>
<td>260</td>
</tr>
<tr>
<td>ELMG400600</td>
<td>400</td>
<td>600</td>
<td>70</td>
<td>122</td>
</tr>
<tr>
<td>ELMG400700</td>
<td>400</td>
<td>700</td>
<td>70</td>
<td>141</td>
</tr>
<tr>
<td>ELMG400800</td>
<td>400</td>
<td>800</td>
<td>70</td>
<td>162</td>
</tr>
<tr>
<td>ELMG6001000</td>
<td>600</td>
<td>1000</td>
<td>80</td>
<td>347</td>
</tr>
<tr>
<td>ELMG6001500</td>
<td>600</td>
<td>1500</td>
<td>80</td>
<td>533</td>
</tr>
<tr>
<td>ELMG6002000</td>
<td>600</td>
<td>2000</td>
<td>80</td>
<td>689</td>
</tr>
</tbody>
</table>

Important parameters:
- Min. workpiece size: 22 x 144 x 48 mm
- Pole pitch: 748 mm
- Regrinding limit: 8 mm
- Power supply cable length: 6 m

Use:
- Clamping of medium to large size parts on grinders
- Heavy and final surface grinding

For more information, visit www.walmagmagnetics.com
When to choose a BJP electromagnetic chuck:

The BJP electromagnetic chuck is suitable for heavy duty grinding of a wide range of parts from a minimum size of 35 x 35 x 3 mm. Thanks to the combined pole pitch, it also clamps very large parts very well. The electromagnet is operated simply by pressing the button on the remote control of the control unit. This unit also provides variable adjustment of the force to create optimum conditions for clamping.

Important parameters:
- **Application:** Grinding
- **Technology:** Electro
- **Holding force:** 130 N/cm²
- **Min. workpiece size:** 35 x 35 x 3 mm
- **Regrinding limit:** 7 mm
- **Pole pitch:** 42 mm further refined 4+1 (steel/brass)

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Wattage (W)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BJP200600</td>
<td>200</td>
<td>600</td>
<td>98</td>
<td>160</td>
<td>77</td>
</tr>
<tr>
<td>BJP300600</td>
<td>300</td>
<td>600</td>
<td>98</td>
<td>215</td>
<td>118</td>
</tr>
<tr>
<td>BJP400800</td>
<td>400</td>
<td>800</td>
<td>100</td>
<td>350</td>
<td>212</td>
</tr>
<tr>
<td>BJP3001000</td>
<td>300</td>
<td>1000</td>
<td>103</td>
<td>350</td>
<td>201</td>
</tr>
<tr>
<td>BJP4001000</td>
<td>400</td>
<td>1000</td>
<td>103</td>
<td>435</td>
<td>269</td>
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<tr>
<td>BJP5001000</td>
<td>500</td>
<td>1000</td>
<td>108</td>
<td>530</td>
<td>352</td>
</tr>
<tr>
<td>BJP6001000</td>
<td>600</td>
<td>1000</td>
<td>113</td>
<td>620</td>
<td>420</td>
</tr>
</tbody>
</table>

For more information, visit www.walmagmagnetics.com
Electrofine

Multi core magnetic system generates an efficient and uniform magnetic field over the entire surface of the chuck

High nominal holding force 100 or 110 N/cm² (according to the top plate design)

The electromagnet is easily operated by pressing the button on the control unit, which also ensures variable adjustment of the force to create the optimum conditions for clamping

Design with firmly embedded coils

Waterproof design

When to choose the Electrofine electromagnetic chuck:

Electrofine is used for efficient clamping of very small workpieces during precise surface grinding. Recommended minimum dimensions are 25 x 25 x 3 mm. For smaller workpieces from 15 x 15 x 1 mm, the special Microfine version is available.

Model (Electrofine) | W (mm) | L (mm) | H (mm) | Wattage (W) | Weight (kg)
--- | --- | --- | --- | --- | ---
ELEC150300T31 | 150 | 300 | 74 | 77,5 | 25
ELEC200400T31 | 200 | 400 | 74 | 112 | 41
ELEC200500T31 | 200 | 500 | 74 | 166 | 55
ELEC200600T31 | 200 | 600 | 74 | 137 | 65
ELEC300600T31 | 300 | 600 | 74 | 253 | 94

Model (Microfine) | W (mm) | L (mm) | H (mm) | Wattage (W) | Weight (kg)
--- | --- | --- | --- | --- | ---
ELEC150250T1405 | 150 | 250 | 72 | 71 | 19
ELEC150300T1405 | 150 | 300 | 72 | 78 | 22
ELEC200400T1405 | 200 | 400 | 72 | 113 | 39
ELEC200500T1405 | 200 | 500 | 72 | 166 | 52
ELEC200600T1405 | 200 | 600 | 72 | 137 | 61
ELEC300600T1405 | 300 | 600 | 72 | 252 | 97

Important parameters:

Regrading limit: 6 mm
Min. workpiece size: 25 x 25 x 3 mm (Electrofine), 15 x 15 x 1 mm (Microfine)

Pole pitch:
T4 3+1 mm (Electrofine), T1,9 1,4+0,5 mm (Microfine)

Use:
+ for clamping small and large workpieces during precise surface grinding

For more information, visit www.walmagmagnetics.com
Neomicro

Possibility to clamp even the thinnest parts
High stability and accuracy of the chuck during surface grinding
Durable switching mechanism
Solid and waterproof design
Long life span thanks to the fixed top plate, which can be reground many times

When to choose a Neomicro magnetic chuck:

The Neomicro permanent chuck with an exceptional holding force combines high quality with a favourable price. It is simple and low maintenance clamping device. It is suitable primarily as an accessory to grinders intended for precise surface grinding of very small and thin parts up to large workpieces. It is suitable for electrical discharge machining.

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOC100175</td>
<td>100</td>
<td>175</td>
<td>49</td>
<td>7</td>
</tr>
<tr>
<td>NEOC100250</td>
<td>100</td>
<td>250</td>
<td>49</td>
<td>10</td>
</tr>
<tr>
<td>NEOC130255</td>
<td>130</td>
<td>255</td>
<td>49</td>
<td>13</td>
</tr>
<tr>
<td>NEOC150250</td>
<td>150</td>
<td>250</td>
<td>51</td>
<td>15</td>
</tr>
<tr>
<td>NEOC150300</td>
<td>150</td>
<td>300</td>
<td>51</td>
<td>18</td>
</tr>
<tr>
<td>NEOC150350</td>
<td>150</td>
<td>350</td>
<td>51</td>
<td>22</td>
</tr>
<tr>
<td>NEOC150400</td>
<td>150</td>
<td>400</td>
<td>51</td>
<td>25</td>
</tr>
<tr>
<td>NEOC150450</td>
<td>150</td>
<td>450</td>
<td>51</td>
<td>28</td>
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<tr>
<td>NEOC200400</td>
<td>200</td>
<td>400</td>
<td>51</td>
<td>3</td>
</tr>
<tr>
<td>NEOC200450</td>
<td>200</td>
<td>450</td>
<td>51</td>
<td>37</td>
</tr>
<tr>
<td>NEOC200500</td>
<td>200</td>
<td>500</td>
<td>51</td>
<td>41</td>
</tr>
<tr>
<td>NEOC200600</td>
<td>200</td>
<td>600</td>
<td>51</td>
<td>49</td>
</tr>
<tr>
<td>NEOC250500</td>
<td>250</td>
<td>500</td>
<td>56</td>
<td>56</td>
</tr>
<tr>
<td>NEOC300600</td>
<td>300</td>
<td>600</td>
<td>56</td>
<td>81</td>
</tr>
</tbody>
</table>

For more information, visit www.walmagmagnetics.com

For more information, visit www.walmagmagnetics.com

Important parameters:
- Holding force: 100 N/cm²
- Min. workpiece size: 4 x 4 x 1 mm
- Regrinding limit: 7 mm
- Pole pitch: T1.9,1.4+0.5 mm (steel/brass)

Use:
- precise surface grinding of small and thin, as well as large parts
- also suitable for electrical discharge machining (EDM)
Neomicro pallet

When to choose a Neomicro permanent magnetic pallet chuck:
The Neomicro permanent pallet chuck can be used for machining in automated production plants and machining centres. Suitable primarily for grinding and electrical discharge machining of a wide range of parts, from large to very small and thin.

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>TECHNOLOGY</th>
<th>CHUCK DIMENSION</th>
<th>HOLDING FORCE</th>
<th>POLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grinding</td>
<td>Permanent</td>
<td>from 240 x 240 mm</td>
<td>100 N/cm²</td>
<td>Transverse</td>
</tr>
</tbody>
</table>

Important parameters:
- Application: Grinding, EDM
- Technology: Permanent
- Holding force: 100 N/cm²
- Min. workpiece size: 4 x 4 x 1 mm
- Pole: Transverse
- Regrinding limit: 7 mm
- Pole pitch: T1.91,4+0.5 mm (steel/brass)

Use:
- precise surface grinding of small and thin, as well as large parts
- also suitable for electrical discharge machining (EDM)

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOC240240P</td>
<td>240</td>
<td>240</td>
<td>63.5</td>
<td>21.5</td>
</tr>
<tr>
<td>NEOC280280P</td>
<td>280</td>
<td>280</td>
<td>63.5</td>
<td>29</td>
</tr>
<tr>
<td>NEOC320320P</td>
<td>320</td>
<td>320</td>
<td>63.5</td>
<td>38</td>
</tr>
</tbody>
</table>
When to choose the Unigrip electromagnetic chuck:

Unigrip is a universal electromagnetic chuck which, due to an interesting price and holding force of 90 N/cm², fits in ordinary industrial plants for clamping for everyday grinding of medium to large workpieces.

**Important parameters:**
- **Application:** Grinding
- **Technology:** Electro
- **Holding force:** 90 N/cm²
- **Min. workpiece size:** 25 x 25 x 5 mm
- **Poles:** Transverse
- **Regrinding limit:** 6 mm
- **Pole pitch:** 19 mm, further refined
  - 5+0.5/5+0.5/5+3 (steel/brass)

**Use:**
- Clamping of medium to large workpieces during general grinding

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Wattage (W)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIG300600</td>
<td>300</td>
<td>600</td>
<td>73</td>
<td>198</td>
<td>96</td>
</tr>
<tr>
<td>UNIG400800</td>
<td>400</td>
<td>800</td>
<td>73</td>
<td>253</td>
<td>162</td>
</tr>
<tr>
<td>UNIG301000</td>
<td>300</td>
<td>1000</td>
<td>73</td>
<td>235</td>
<td>172</td>
</tr>
<tr>
<td>UNIG401000</td>
<td>400</td>
<td>1000</td>
<td>73</td>
<td>384</td>
<td>210</td>
</tr>
<tr>
<td>UNIG501000</td>
<td>500</td>
<td>1000</td>
<td>73</td>
<td>443</td>
<td>251</td>
</tr>
<tr>
<td>UNIG601000</td>
<td>600</td>
<td>1000</td>
<td>73</td>
<td>568</td>
<td>358</td>
</tr>
</tbody>
</table>

For more information, visit www.walmagmagnetics.com


**Fixar simple sine table**

![Fixar simple sine table diagram]

**When to choose a Fixar simple sine table:**

The Fixar, a simple sine table with a Neomicro permanent chuck suitable for precise angle grinding, electrical discharge machining, and measuring. You can choose a model with an angle setting in the longitudinal axis or an angle setting in the transverse axis.

**APPLICATION**

- Grinding

**TECHNOLOGY**

- Permanent

**CHUCK DIMENSION**

- from 70 x 140 mm

**HOLDING FORCE**

- 100 N/cm²

**POLES**

- Transverse

**Important parameters:**

- Min. workpiece size: 4 x 4 x 1 mm
- Regrinding limit: 7 mm

**Use:**

+ accurate angle surface grinding, measuring, electrical discharge machining - EDM

**Model** | **W (mm)** | **L (mm)** | **H (mm)** | **C x D (mm)** | **S (mm)** | **Weight (kg)**
---|---|---|---|---|---|---
SINES70140 | 70 | 140 | 67 | 130 x 140 | 55 | 7
SINES130250 | 130 | 255 | 76 | 295 x 145 | 115 | 20
SINES150250 | 150 | 250 | 79 | 290 x 165 | 135 | 20
SINES150300 | 150 | 300 | 79 | 340 x 165 | 135 | 27
SINES150350 | 150 | 350 | 87 | 390 x 165 | 135 | 34.5
SINES150450 | 150 | 450 | 87 | 490 x 165 | 135 | 44
SINES200400 | 200 | 400 | 88 | 440 x 215 | 185 | 52
SINES300600 | 300 | 600 | 95 | 660 x 320 | 285 | 121

For more information, visit [www.walmagmagnetics.com](http://www.walmagmagnetics.com)
Fixar compound sine table

When to choose a Fixar compound sine table:

The Fixar compound sine table with a Neomicro permanent chuck is designed for precise angle grinding. You will get excellent variability of machining during workpiece clamping because the Fixar allows tilting on the longitudinal and the transverse axes at the same time.

**APPLICATION**

- Grinding

**TECHNOLOGY**

- Permanent

**CHUCK DIMENSION**

- from 70 x 140 mm

**HOLDING FORCE**

- 100 N/cm²

**POLES**

- Transverse

**Important parameters:**

- Holding force: 100 N/cm²
- Min. workpiece size: 4 x 4 x 1 mm
- Poles: Transverse
- Regrinding limit: 7 mm
- Pole pitch: T1.9, 1.4+0.5 mm (steel/brass)

**Use:**

+ accurate angle surface grinding, measuring, electrical discharge machining – EDM

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>C x D (mm)</th>
<th>S (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINEC100175</td>
<td>100</td>
<td>175</td>
<td>104</td>
<td>210 x 140</td>
<td>165/110</td>
<td>15</td>
</tr>
<tr>
<td>SINEC130255</td>
<td>130</td>
<td>255</td>
<td>120</td>
<td>290 x 170</td>
<td>245/140</td>
<td>32</td>
</tr>
<tr>
<td>SINEC150300</td>
<td>150</td>
<td>300</td>
<td>123</td>
<td>335 x 190</td>
<td>290/160</td>
<td>43.5</td>
</tr>
<tr>
<td>SINEC150350</td>
<td>150</td>
<td>350</td>
<td>123</td>
<td>385 x 190</td>
<td>340/160</td>
<td>49.5</td>
</tr>
<tr>
<td>SINEC200400</td>
<td>200</td>
<td>400</td>
<td>124</td>
<td>435 x 240</td>
<td>390/210</td>
<td>73</td>
</tr>
</tbody>
</table>

For more information, visit www.walmagmagnetics.com
**Neostar**

**Compact top plate made of one piece of steel with radial poles**

**Very powerful double magnetic system with neodymium magnets**

**Regrinding limit 5 mm**

Suitable for turning and circular grinding

---

**When to choose a Neostar permanent magnetic chuck:**

Thanks to the top plate with radial poles, the Neostar permanent chuck is primarily designed for turning and grinding round and ring shaped workpieces. The advantage is the possibility to machine of the front, inner and outer diameter of the workpiece in one operation.

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>TECHNOLOGY</th>
<th>DIAMETER</th>
<th>HOLDING FORCE</th>
<th>POLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning</td>
<td>Permanent</td>
<td>from 130 mm</td>
<td>140 N/cm²</td>
<td>Radial</td>
</tr>
</tbody>
</table>

**Important parameters:**

- **Application:** Turning, circular grinding
- **Min. workpiece limit:** 35 mm
- **Regrinding limit:** 5 mm

**Use:**

- turning and grinding of round and ring-shaped workpieces
- facing work, internal and external diameter machining is possible separately or in one operation

---

**Model** | **D** (mm) | **H** (mm) | **D1** (mm) | **E** (mm) | **F** (mm) | **Weight** (kg)
---|---|---|---|---|---|---
NEOS130 | 130 | 57 | 15 | - | 100 | 5
NEOS150 | 150 | 57 | 15 | 80 | 120 | 7.3
NEOS200 | 200 | 57 | 20 | 110 | 180 | 13
NEOS250 | 250 | 70 | 30 | 140 | 220 | 25
NEOS300 | 300 | 73 | 38 | 180 | 260 | 37
NEOS350 | 350 | 73 | 40 | 220 | 300 | 49
NEOS400 | 400 | 74 | 40 | 260 | 340 | 68
NEOS500 | 500 | 78 | 50 | 300 | 400 | 109
NEOS600 | 600 | 78 | 90 | 350 | 450 | 172
NEOS700 | 700 | 78 | 90 | 350 | 450 | 234
NEOS800 | 800 | 110 | 100 | 400 | 700 | 420

---

28
When to choose an Alustar permanent magnetic chuck:

The Alustar permanent chuck is used during turning and grinding of ring-shaped workpieces. The chuck excels due to its low weight resulting from the aluminium design of the body. It can cope with a larger weight range of machined components. With this chuck, you have the possibility to machine the front, inner and outer diameter of the workpiece in one operation.

### Important parameters:

- **Application:** Turning, circular grinding
- **Technology:** Permanent
- **Holding force:** 140 N/cm²
- **Min. workpiece size:** 40 mm
- **Poles:** Radial
- **Regriding limit:** 5 mm

### Use:

+ turning and grinding of round and ring-shaped workpieces

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>D1 (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUS20D200</td>
<td>200</td>
<td>79</td>
<td>20</td>
<td>110</td>
<td>180</td>
<td>11,5</td>
</tr>
<tr>
<td>ALUS20D250</td>
<td>250</td>
<td>79</td>
<td>30</td>
<td>166</td>
<td>220</td>
<td>18</td>
</tr>
<tr>
<td>ALUS20D300</td>
<td>300</td>
<td>82</td>
<td>38</td>
<td>180</td>
<td>260</td>
<td>27</td>
</tr>
<tr>
<td>ALUS20D350</td>
<td>350</td>
<td>84</td>
<td>40</td>
<td>220</td>
<td>300</td>
<td>36</td>
</tr>
<tr>
<td>ALUS20D400</td>
<td>400</td>
<td>84</td>
<td>40</td>
<td>260</td>
<td>340</td>
<td>47</td>
</tr>
<tr>
<td>ALUS30D400</td>
<td>500</td>
<td>109</td>
<td>50</td>
<td>330</td>
<td>400</td>
<td>98</td>
</tr>
<tr>
<td>ALUS30D600</td>
<td>600</td>
<td>109</td>
<td>90</td>
<td>350</td>
<td>450</td>
<td>142</td>
</tr>
</tbody>
</table>

For more information, visit [www.walmagmagnetics.com](http://www.walmagmagnetics.com)
When to choose a Ferromax permanent magnetic chuck:

Due to its high holding force and watertight top plate, the Ferromax permanent magnetic chuck is an indispensable tool during workpiece turning and circular grinding. Due to a relatively small pole pitch and a low magnetic field, it is suitable for thinner workpieces from 8 mm or from 12 mm, depending on the chuck diameter or its pole pitch.

**Important parameters:**
- **Application:** Circular grinding, turning
- **Technology:** Permanent
- **Min. workpiece size:** 40 x 40 x 8 mm
- **Regriding limit:** 6 mm
- **Pole pitch:** T13 8+5 mm (steel/brass) or T17 12+5 mm (steel/brass)

<table>
<thead>
<tr>
<th>Model</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>F (mm)</th>
<th>D1 (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FERO200</td>
<td>200</td>
<td>78</td>
<td>22</td>
<td>22</td>
<td>12</td>
</tr>
<tr>
<td>FERO250</td>
<td>250</td>
<td>78</td>
<td>22</td>
<td>22</td>
<td>17</td>
</tr>
<tr>
<td>FERO300</td>
<td>300</td>
<td>78</td>
<td>22</td>
<td>22</td>
<td>27</td>
</tr>
<tr>
<td>FERO350</td>
<td>350</td>
<td>78</td>
<td>22</td>
<td>22</td>
<td>40</td>
</tr>
<tr>
<td>FERO400</td>
<td>400</td>
<td>78</td>
<td>22</td>
<td>22</td>
<td>56</td>
</tr>
<tr>
<td>FERO450</td>
<td>450</td>
<td>102</td>
<td>22</td>
<td>22</td>
<td>78</td>
</tr>
<tr>
<td>FERO500</td>
<td>500</td>
<td>98</td>
<td>22</td>
<td>22</td>
<td>85</td>
</tr>
</tbody>
</table>

For more information, visit www.walmagmagnetics.com
When to choose a Permagrip permanent magnetic chuck:

The Permagrip permanent magnetic chuck is an efficient aid for clamping workpieces during circular grinding. The steel base and the compact top plate with a high regrinding limit ensure a long life span.

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>TECHNOLOGY</th>
<th>DIAMETER</th>
<th>HOLDING FORCE</th>
<th>POLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circular grinding</td>
<td>Permanent</td>
<td>from 150 mm</td>
<td>80 N/cm²</td>
<td>Transverse</td>
</tr>
</tbody>
</table>

Important parameters:
- **Application**: Circular grinding
- **Technology**: Permanent
- **Holding force**: 80 N/cm²
- **Min. workpiece limit**: 35 x 35 x 5 mm
- **Poles**: Transverse
- **Regrinding limit**: 7 mm
- **Pole pitch**: T11 7+4 mm (steel/epoxy)

Use:
- fine final circular grinding in dry conditions and with cooling emulsion

<table>
<thead>
<tr>
<th>Model</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>E (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERM150</td>
<td>150</td>
<td>63</td>
<td>120</td>
<td>8</td>
</tr>
<tr>
<td>PERM160</td>
<td>160</td>
<td>63</td>
<td>145</td>
<td>8.5</td>
</tr>
</tbody>
</table>
When to choose a Neogrip permanent magnetic chuck:

The Neogrip permanent magnetic chuck with a solid steel structure and robust control mechanism is designed for clamping workpieces with dimensions of 5 x 35 x 35 mm.

<table>
<thead>
<tr>
<th>Application</th>
<th>Technology</th>
<th>Diameter (mm)</th>
<th>Holding Force (N/cm²)</th>
<th>Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circular grinding</td>
<td>Permanent</td>
<td>from 100</td>
<td>80</td>
<td>Transverse</td>
</tr>
</tbody>
</table>

**Důležité parametry:**
- **Application:** Circular grinding
- **Technology:** Permanent
- **Holding force:** 80 N/cm²
- **Min. workpiece size:** 35 x 35 x 5 mm
- **Poles:** Transverse
- **Regrinding limit:** 7 mm
- **Pole pitch:** T11 8+3 mm (steel/brass)

**Use:**
- finishing during circular grinding
- circular grinding in dry conditions and with cooling emulsion
- a tool for various mechanical workplaces

<table>
<thead>
<tr>
<th>Model</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>E (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOG100</td>
<td>100</td>
<td>51</td>
<td>86</td>
<td>3</td>
</tr>
<tr>
<td>NEOG130</td>
<td>130</td>
<td>51</td>
<td>120</td>
<td>5</td>
</tr>
<tr>
<td>NEOG150</td>
<td>150</td>
<td>51</td>
<td>137</td>
<td>7</td>
</tr>
<tr>
<td>NEOG200</td>
<td>200</td>
<td>51</td>
<td>182</td>
<td>12</td>
</tr>
</tbody>
</table>
When to choose a Neospark permanent magnetic chuck:

The Neospark permanent magnetic chuck is suitable for workpiece clamping during electrical discharge machining. The high holding force and fine pole pitch make it possible to clamp small and thin workpieces. Moreover, this chuck offers comfortable control from the top of the magnet, so it is possible to use the entire area of the submersion working tank of your EDM machine better.

**Important parameters:**
- Application: EDM
- Technology: Permanent
- Holding force: 100 N/cm²
- Min. workpiece size: 4 x 4 x 1 mm
- Regriding limit: 7 mm
- Pole pitch: T1.9,1.4 ± 0.5 mm (steel/brass)

**Use:**
- electrical discharge machining EDM
- possibility of immersion in dielectric liquid
- precise grinding of very small and thin parts

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>C (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOK100175</td>
<td>100</td>
<td>175</td>
<td>32</td>
<td>120</td>
<td>5</td>
</tr>
<tr>
<td>NEOK130255</td>
<td>130</td>
<td>255</td>
<td>32</td>
<td>200</td>
<td>9</td>
</tr>
<tr>
<td>NEOK150150</td>
<td>150</td>
<td>150</td>
<td>35</td>
<td>95</td>
<td>7</td>
</tr>
<tr>
<td>NEOK150300</td>
<td>150</td>
<td>300</td>
<td>35</td>
<td>245</td>
<td>13</td>
</tr>
<tr>
<td>NEOK150350</td>
<td>150</td>
<td>350</td>
<td>35</td>
<td>295</td>
<td>15</td>
</tr>
<tr>
<td>NEOK150450</td>
<td>150</td>
<td>450</td>
<td>35</td>
<td>395</td>
<td>19</td>
</tr>
<tr>
<td>NEOK200400</td>
<td>200</td>
<td>400</td>
<td>35</td>
<td>342</td>
<td>23</td>
</tr>
</tbody>
</table>

For more information, visit [www.walmagmagnetics.com](http://www.walmagmagnetics.com)
Accessories

Control units for EP chucks

+ possibility to set the holding force
+ possibility to control more magnets at the same time
+ possible remote control of the chuck
+ protection class IP54 (metal box) or IP00 (panel for direct installation into the machine)
+ full demagnetization of the chuck and the workpiece for easy removal

Control units for EM chucks

+ possibility to set the holding force
+ control of more magnets at the same time
+ possibility of remote control of the chucks
+ possibility to choose a design - metal box (IP54) or panel (IP00)
+ powerful control system with a microprocessor
+ safety contact - the machine will not start up when the holding force is too low

Consult the suitable control unit for your chuck with us.

Fixed pole extensions

+ the workpiece is accessible from 5 sides
+ they determine a plane during using flexible extensions
+ they allow the clamping of straight components in a vertical position
+ free access for drilling through-holes
+ possibility to convert the extensions into various profiles to enable clamping of more complex shapes
+ possibility to use them as stop blocks for precise placement of the workpiece on the magnet or to prevent the displacement of the component during machining

Flexible pole extensions

+ possibility of machining components with uneven surfaces from five sides in one clamp
+ compensation of workpiece surface irregularities up to 5 mm
+ acceleration of work during machining of irregular workpieces
+ elimination of air gaps in irregular components to obtain the maximum holding force

For more information, visit www.walmagmagnetics.com
Some materials retain a relatively high amount of magnetism after exposure to a magnetic field. To eliminate this, the component must be demagnetized by an alternating magnetic field which is gradually reduced to zero. Our demagnetizers are used for this operation as they can efficiently eliminate the residual magnetism in various materials and workpieces of various dimensions.
Table demagnetizer DM

Also suitable as part of a production line, for example, under a conveyor belt

You can enlarge the work area by using more demagnetizers side by side

Different sizes of demagnetizer working area according to your needs

When to choose a DM table demagnetizer:

We recommend using the DM table demagnetizer where quick and simple demagnetization of tools and both flat and small cylindrical components is needed. The device is suitable not only for manual demagnetization, but it can be integrated into a production line very easily, for example, under a conveyor belt.

**APPLICATION**

Demagnetization

**TECHNOLOGY**

Electro

**WORKPIECE SIZE**

min. 400 x 28 mm

**DUTY CYCLE**

20 %

**HEIGHT OF DEMAG. FIELD**

up to 40 mm

**Important parameters:**

- Application: Demagnetization
- Technology: Electro
- Max. workpiece size: 400 x 280 mm
- Duty cycle: 20 %
- Height of demagnetization field: up to 40 mm
- Voltage: 230 V / 50 Hz

**Use:**

- manual demagnetization of tools, dies, bearings, and other cylindrical and flat components
- demagnetization under a conveyor belt on a production line
- possibility of putting several demagnetizers side by side to create a larger working area

**Model** | **W (mm)** | **L (mm)** | **H (mm)** | **Weight (kg)**
--- | --- | --- | --- | ---
DM3 | 250 | 180 | 87 | 8.8
DM4 | 280 | 266 | 87 | 14
DM5 | 400 | 306 | 87 | 19
Hand demagnetizer HD

When to choose a HD handheld demagnetizer:

You can use the HD handheld demagnetizer during mobile demagnetization of large or complex components where you cannot use table or tunnel demagnetizers, such as moulds, bearings, and various machine and mechanical parts, etc. It is an efficient tool where quick and mobile demagnetization is needed.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>ACTIVE AREA (mm)</th>
<th>SUPPLY (VA)</th>
<th>DEPTH OF THE MAG. FIELD (mm)</th>
<th>WEIGHT (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD1</td>
<td>105 x 75</td>
<td>300</td>
<td>max. 20</td>
<td>1.9</td>
</tr>
<tr>
<td>HD2</td>
<td>105 x 95</td>
<td>350</td>
<td>max. 40</td>
<td>2.2</td>
</tr>
</tbody>
</table>

Important parameters:
- Applikation: Demagnetization
- Technology: Electro
- Duty cycle: 20 %
- Operating time: 10 min.
- Height of demagnetization: up to 30 mm
- Voltage: 230 V(DC) / 50-60 Hz

Use:
- quick mobile demagnetization of small and large or complex components
## Tunnel demagnetizer TDM

![Image of Tunnel demagnetizer TDM](image)

**When to choose a TDM tunnel demagnetizer:**

Tunnel demagnetizers are designed for demagnetization of large components with a cylindrical or square shape or for bulk demagnetization of thin-walled components. The dimensions of the component should be similar to those of the tunnel opening. They are designed for continuous operation, so they can be used in industrial production in connection with belt-type or roller-type conveyors.

<table>
<thead>
<tr>
<th>Model</th>
<th>Aperture (mm)</th>
<th>Power supply (V/Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDM5 230</td>
<td>600 x 420</td>
<td>230/50</td>
</tr>
<tr>
<td>TDM5 400</td>
<td>600 x 420</td>
<td>400/50</td>
</tr>
<tr>
<td>TDM4 230</td>
<td>460 x 465</td>
<td>230/50</td>
</tr>
<tr>
<td>TDM4 400</td>
<td>460 x 465</td>
<td>400/50</td>
</tr>
<tr>
<td>TDM2 230</td>
<td>255 x 255</td>
<td>230/50</td>
</tr>
<tr>
<td>TDM2 400</td>
<td>255 x 255</td>
<td>400/50</td>
</tr>
<tr>
<td>TDM1 230</td>
<td>180 x 180</td>
<td>230/50</td>
</tr>
<tr>
<td>TDM1 400</td>
<td>180 x 180</td>
<td>400/50</td>
</tr>
</tbody>
</table>

**Important parameters:**

- **Application:** Demagnetization
- **Technology:** Electro
- **Duty cycle:** 100 %
- **Voltage:** 400/230 V(AC) (optionally)
- **Power supply cable:** 3 m

**Use:**

- demagnetization of large components, workpieces, and component parts of various shapes
- suitable for continuous operation

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*It can be delivered with a customized conveyor belt by request.*

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When to choose a TM-801 digital meter for measuring residual magnetism:

The TM-801 digital mobile meter is used for measuring residual magnetism in workpieces and components which were handled by lifting magnet or clamped on magnetic chuck. It is also suitable for measuring the magnetic properties of materials or the magnetic flux of motors. It has high capacity battery and battery life of up to 160 hours.

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>TECHNOLOGY</th>
<th>BATTERY LIFE</th>
<th>MEASURING RANGE</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic measuring device</td>
<td>Electro/battery</td>
<td>up to 160 hour</td>
<td>0 - 3000 mT</td>
<td>250 g</td>
</tr>
</tbody>
</table>

Important parameters:

- **Application**: Measuring magnetism
- **Technology**: Electro/battery
- **Battery life**: 130 - 160 hour
- **Range**: 0 - 3000 mT

**Use:**

+ measuring of residual magnetism
+ measuring of the magnetic flux in products where magnetic chucking is used
+ measuring of magnetic flux in motors
+ measuring of the properties of magnetic materials

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM-801</td>
<td>64</td>
<td>140</td>
<td>30</td>
</tr>
</tbody>
</table>
MAGNETIC DRILLING MACHINES

The magnetic drilling machine combines the features of a classic handheld drilling machine and the stand provided with an electromagnet. Thanks to this, you will obtain secure connection with the workpiece. Our magnetic drilling machines can be used for drilling with annular cutters and cylindrical drill bits. They are suitable for both smaller workshops and for industrial production.
## Magnetic drilling machines

<table>
<thead>
<tr>
<th>Model</th>
<th>MD 1050</th>
<th>MD 1050-S</th>
<th>MD 1100</th>
<th>MD 1375</th>
<th>MD1375-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annular cutter diameter</td>
<td>12 - 32 mm</td>
<td>12 - 32 mm</td>
<td>12 - 40 mm</td>
<td>12 - 50 mm</td>
<td>12 - 80 mm</td>
</tr>
<tr>
<td>Cylindrical drill diameter</td>
<td>1 - 13 mm</td>
<td>1 - 13 mm</td>
<td>1 - 16 mm</td>
<td>1 - 23 mm</td>
<td>1 - 23 mm</td>
</tr>
<tr>
<td>Thread</td>
<td>-</td>
<td>M3 - M12</td>
<td>-</td>
<td>-</td>
<td>M3 - M20</td>
</tr>
<tr>
<td>Recess</td>
<td>-</td>
<td>Ø 10 - 25 mm</td>
<td>-</td>
<td>-</td>
<td>Ø 10 - 40 mm</td>
</tr>
<tr>
<td>Stroke</td>
<td>150 mm</td>
<td>150 mm</td>
<td>150 mm</td>
<td>170 mm</td>
<td>170 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>12 kg</td>
<td>12.6 kg</td>
<td>12.1 kg</td>
<td>13.5 kg</td>
<td>14 kg</td>
</tr>
<tr>
<td>Total power</td>
<td>1050 W</td>
<td>1050 W</td>
<td>1100 W</td>
<td>1375 W</td>
<td>1375 W</td>
</tr>
<tr>
<td>Chuck</td>
<td>19.05 mm Weldon</td>
<td>19.05 mm Weldon</td>
<td>19.05 mm Weldon</td>
<td>MC.2</td>
<td>MC.2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>MD 1800</th>
<th>MD 2050</th>
<th>ACU 500</th>
<th>AIR 400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annular cutter diameter</td>
<td>12 - 80 mm</td>
<td>12 - 100 mm</td>
<td>12 - 36 mm</td>
<td>12 - 52 mm</td>
</tr>
<tr>
<td>Cylindrical drill diameter</td>
<td>1 - 31,75 mm</td>
<td>1 - 31,75 mm</td>
<td>1 - 13 mm</td>
<td>-</td>
</tr>
<tr>
<td>Thread</td>
<td>-</td>
<td>M3 - M30</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Recess</td>
<td>-</td>
<td>Ø 10 - 50 mm</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Stroke</td>
<td>260 mm</td>
<td>260 mm</td>
<td>230 mm</td>
<td>120 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>28 kg</td>
<td>28 kg</td>
<td>15 kg</td>
<td>13 kg</td>
</tr>
<tr>
<td>Total power</td>
<td>1800 W</td>
<td>2050 W</td>
<td>1300 W</td>
<td>min. 6.3 bar (90 PSI)</td>
</tr>
<tr>
<td>Chuck</td>
<td>MC.3</td>
<td>MC.3</td>
<td>19.05 mm Weldon</td>
<td>MC.2</td>
</tr>
<tr>
<td>Voltage</td>
<td>110 V/220 V</td>
<td>110 V/220 V</td>
<td>19.05 mm Weldon</td>
<td>19.05 mm Weldon</td>
</tr>
</tbody>
</table>

For more information, visit www.walmagmagnetics.com
Our heavy handling magnetic systems are able to help with handling all materials with magnetic properties.
**Heavy handling magnetic systems**

**Handling at flame cutting machines**
- increase in machine tool productivity by ultimate shortening of time for removal of burned pieces from the table
- quick and efficient handling of whole bundles
- quick picking of individual items by means of telescopic poles for individual material
- tip-off function i.e. discharging individual profiled sections, tubes, square tubes, etc.
- possibility of mechanical add-ons for handling chains or for pallet hooks (stacking cradle)

**Scrap magnets**
- electromagnets for all kinds of scrap
- we design the required optimum diameter and power

**Sophisticated, highly technologically advanced power supply units for electromagnets:**
- model with transformer or DC converter with dynamic demagnetization
- load test (for verification of safe load handling)
- tip-off function, gradual preselection of magnetization level, quick demagnetization, visualization of system status
- standard back-up in case of power cut for 20 min. with immediate start-up

**Handling material in coils**
- possibility of both vertical and horizontal handling
- elimination of mechanical damage, e.g. to the edge of sheet metal in coils
- enhanced effectiveness of the storage space without the necessity of handling aisles
- for handling coils, we tailor to individual requirements, e.g. a smaller system with lightweight battery-powered magnets

**Usual sheet thickness from 3 mm for individual pieces**
walmagmagnetics.com