ELECTROMAGNETIC CHUCKS

Model KEC-AR/AS
ROUND ELECTROMAGNETIC CHUCK

[Application]
Suitable for grinding and cutting operations with the chuck mounted on such machine tools as rotary grinders, lathes, turning machines and rotary milling machines that rotate workpieces to machine. This model comes in two types; ring pole and star pole according to the patterns on the chuck work face. The ring pole type is used for general grinding operations and the star pole type for cutting operations also.

[Features]
- Relatively thin workpieces that are likely to be distorted by mechanical clamping can be held by uniform holding power of the ring pole type for highly precise machining.
- For such operations as cutting thick workpieces, the star pole type is recommended that generates strong holding power.

Chuck controller required additionally

Feeder required additionally (See below)

Ring-Pole Type

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Size</th>
<th>Work Face</th>
<th>Dp</th>
<th>Pole Pitch</th>
<th>No. of Pol.</th>
<th>Mounting Face</th>
<th>Height</th>
<th>Voltage</th>
<th>Current</th>
<th>Mass</th>
<th>Electric Chuck Master</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| KEC-10ARE | 100 | 130 | 75 | 29 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-16ARE | 160 | 130 | 135 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-20ARE | 200 | 200 | 161 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-25ARE | 250 | 250 | 223 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-32ARE | 315 | 315 | 271 | 49 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-40ARE | 400 | 367 | 40 | 124 | 49 | 0.33 | 63 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-50ARE | 500 | 400 | 182 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-63ARE | 630 | 630 | 583 | 49 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-80ARE | 800 | 800 | 748 | 49 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-100ARE | 1000 | 1000 | 944 | 70 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."

Star-Pole Type

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Size</th>
<th>Work Face</th>
<th>Dp</th>
<th>Pole Pitch</th>
<th>No. of Pol.</th>
<th>Mounting Face</th>
<th>Height</th>
<th>Voltage</th>
<th>Current</th>
<th>Mass</th>
<th>Electric Chuck Master</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| KEC-10ASE | 100 | 130 | 75 | 29 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-16ASE | 160 | 150 | 135 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-20ASE | 200 | 190 | 135 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-25ASE | 250 | 250 | 190 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-32ASE | 320 | 320 | 233 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-40ASE | 400 | 400 | 367 | 49 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-50ASE | 500 | 500 | 483 | 40 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-63ASE | 630 | 630 | 583 | 49 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-80ASE | 800 | 800 | 748 | 49 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."
| KEC-100ASE | 1000 | 1000 | 944 | 70 | 0.33 | 63 | 4.0 | 0.06A | 4.8g | | For types with a combination of a rectifier and demagnetizer, see pages of "Chuck Controllers."

Feeder (optional)
This feeder is required to use the round type electromagnetic chucks. Since the chuck itself is rotated, the feeder cables cannot be connected directly. For this reason, electricity is fed via a slip contact between the carbon brush on the power source side and the slip ring attached to the chuck.

- The φ24 mounting hole of the slip ring (SR-1) can be expanded up to φ40.

Slip ring Model SR-1

Brush holder Model BH-1A