**Model MMZ**

**MAGNETIC MINI CHUCK**

![MMZ-412](image1)  
![MMZ-614](image2)

- **[Application]**  
  These chucks are used in combination with a magnetic chuck as an auxiliary holding tool for irregular-shaped workpieces in grinding and light-duty cutting. They are of waterproof construction enabling them to hold workpieces in electric discharge machining fluid.

- **[Features]**  
  - The magnetic force can be turned ON and OFF from either the front side or the rear side.
  - The waterproof construction allows use in fluid.

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding Power</th>
<th>Holding Face</th>
<th>Pole Pitch</th>
<th>Mounting Face</th>
<th>Heigh</th>
<th>Handle Hole</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMZ-412</td>
<td>106N(10.4kgf)</td>
<td>(1.67) 115 (1.14) 84</td>
<td>7.5(15.6)</td>
<td>30 75</td>
<td>4.5(0.19)</td>
<td>40</td>
<td>(0.23)</td>
</tr>
<tr>
<td>MMZ-614</td>
<td>400N(40kgf)</td>
<td>(2.26) 135 (1.85) 92</td>
<td>10(2.8)</td>
<td>40 80</td>
<td>4.6(0.23)</td>
<td>50</td>
<td>depth10(0.39)</td>
</tr>
</tbody>
</table>

* The holding power is based on a test piece of 0.50 x 125, 0.15C.

---

**Model MMC**

**MAGNETIC MINI CHUCK**

![MMC-5](image3)  
![MMC-8](image4)

- **[Application]**  
  These chucks are used in combination with a magnetic chuck as an auxiliary holding tool for irregular-shaped workpieces in grinding and light-duty cutting. They can also be used for such applications as holding workpieces in advance to reduce the set-up time. Thus they can be used for continuous grinding of small and thin workpieces.

- **[Features]**  
  - These chucks are powerful with special construction using Alnico magnet steel.
  - Although small, these chucks have an ON / OFF mechanism.

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding Power</th>
<th>Holding Face</th>
<th>Pole Pitch</th>
<th>Mounting Face</th>
<th>Height</th>
<th>Handle Hole</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC-5</td>
<td>80N(8.5kgf)</td>
<td>50(1.90) 29(1.14) 9.5(1.5+8)</td>
<td>0.37(0.06+0.31)</td>
<td>35 27</td>
<td>4.5(0.19)</td>
<td>depth 7(0.27)</td>
<td>50(1.90)</td>
</tr>
<tr>
<td>MMC-8</td>
<td>500N(50kgf)</td>
<td>80(3.15) 54(2.12) 10(2.8)</td>
<td>0.39(0.06+0.31)</td>
<td>60 236</td>
<td>50(1.90)</td>
<td>4.6(0.23)</td>
<td>depth 10(0.39)</td>
</tr>
</tbody>
</table>

* The holding power is based on a test piece of 0.50 x 125, 0.15C.

---

**Model MMW**

**MAGNETIC MINI CHUCK**

![MMW-3F70A](image5)

- **[Application]**  
  These chucks have three attractive faces and can be used in combination with a magnetic chuck. They are suitable for determining angles of small workpieces and angle grinding.

- **[Features]**  
  - Since these chucks have three attractive faces, one face may be used for mounting the chuck and other faces for holding workpieces.
  - They have magnetic poles arranged at micro pitches to hold small workpieces.
  - They are of waterproof construction.

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Dimension</th>
<th>Holding Power</th>
<th>Dimensions</th>
<th>Pole Pitch</th>
<th>Squarness</th>
<th>Flatness</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMW-3F70A</td>
<td>55(2.16) x 115(4.52)</td>
<td>55(2.16)</td>
<td>55(2.16)</td>
<td>125</td>
<td>115</td>
<td>20.5(0.80)</td>
<td>90.5</td>
</tr>
<tr>
<td>MMW-3F70A</td>
<td>70(2.75) x 115(4.52)</td>
<td>70(2.75)</td>
<td>70(2.75)</td>
<td>144</td>
<td>(4.62)</td>
<td>25.5(1.00)</td>
<td>90.5</td>
</tr>
</tbody>
</table>

* The holding power is based on a test piece of 0.50 x 125, 0.15C, ground surface, with nothing held on other faces.

---

**Model MMXW**

**MAGNETIC MINI CHUCK**

![MMXW-611A](image6)

- **[Application]**  
  These chucks are suitable for holding workpieces in such processes as grinding, boring, cutting, electric discharge machining, welding and assembly. Since four faces can hold workpieces simultaneously, they can be used as a magnet vice in a wide range of applications.

- **[Features]**  
  - These are unique universal mini chucks capable of holding workpieces on four faces.
  - They can be used in such a way as to hold workpieces on the bed of machine tools or holding workpieces on the top and side faces simultaneously. They can also be used as a guide stopper to secure workpieces.
  - The accuracy is as follows: flatness 0.01 mm, parallelism 0.02 mm, perpendicularity 0.03 mm.

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding Power</th>
<th>Dimensions</th>
<th>Pole Pitch</th>
<th>Height</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMXW-611A</td>
<td>400N(40kgf) or over</td>
<td>66(2.62) 136</td>
<td>4(2.2)</td>
<td>64</td>
<td>3.5kg/7.7 lb</td>
</tr>
</tbody>
</table>

* The holding power is based on a test piece of 0.50 x 125, 0.15C, ground surface, with nothing held on other faces.
**Model RMAW-2F**

**BLOCK WITH 2 ATTRACTIVE FACES FOR SMALL SIZE WORK PIECES**

The strongest type of block is provided with 2 faces attractive face.

![RMAW-2F0812](image)

**[Application]**

It can be used for processing from grinding to milling, holding work during various measuring, assembling work.

**[Features]**

- The strongest attractive force among small permanent magnet type.
- Furthermore, by making pole pitch thinner, its power is concentrated to attract small and thin work pieces. It is effective for relatively larger work pieces or attracting the whole face, too.
- The upper and bottom magnetic face can be changed independently.
- It can be set easily onto machine table or working table for fast set up and removal.
- Because a work piece can be attracted on its side face, work pieces can be fixed vertically, or on 3 faces.
- In case a work piece is fixed on upper or bottom face and side faces at the same time, each attractive force is reduced.
- By using screw holes on 3 side faces or bottom face, such attachment as a stopper or a jig can be installed.

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding Power</th>
<th>Dimensions</th>
<th>Pole Pitch</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>RMAW-2F0812</td>
<td>785N (80kgf)</td>
<td>(80) 120</td>
<td>50</td>
<td>(2.4)</td>
</tr>
</tbody>
</table>

*The holding power is based on a test piece of 1...50 x 125, 515C.*

---

**Model KPB**

**MAGNETIC BLOCK**

![KPB-1F18](image)

![KPB-2F18](image)

An example of usage of double-face attracting block

**[Application]**

These blocks can hold workpieces during electric discharge machining, wire cutting and grinding.

They can be used as holding tools for assembly and light-duty machining.

**[Features]**

- The both sides can hold workpieces and can be turned ON and OFF individually. (2F models)
- They are secured to the worktable to turning ON and OFF the magnet. (2F models)
- The side faces (ON/OFF select faces) can also hold workpieces. (2F models)
- They are secured to the worktable using tapped holes provided on the mounting face. They can also be secured by having them held by a magnet chuck. (1F model)
- The operating areas are provided on both side faces to facilitate ON/OFF operation.
- Light weight for easy positional adjustment.
- The operating handle is removal and will not hinder the work.
- One set of two blocks has been machined and finished together.
- They are of waterproof and oilproof construction to allow them to be used in fluid.

**Single face type 1F model**

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Dimension</th>
<th>Holding Power</th>
<th>Dimensions</th>
<th>Pole Pitch</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPB-1F1</td>
<td>50 x 125 x 50</td>
<td>250N (29kgf)</td>
<td>52</td>
<td>125(±0.2)</td>
<td>35</td>
</tr>
<tr>
<td>KPB-1F2</td>
<td>50 x 125 x 50</td>
<td>250N (29kgf)</td>
<td>150(±0.5)</td>
<td>125(±0.2)</td>
<td>35</td>
</tr>
</tbody>
</table>

**Dual face type 2F model**

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Dimension</th>
<th>Holding Power</th>
<th>Dimensions</th>
<th>Pole Pitch</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPB-2F1</td>
<td>50 x 125 x 50</td>
<td>250N (29kgf)</td>
<td>52</td>
<td>125(±0.2)</td>
<td>35</td>
</tr>
<tr>
<td>KPB-2F2</td>
<td>50 x 125 x 50</td>
<td>250N (29kgf)</td>
<td>150(±0.5)</td>
<td>125(±0.2)</td>
<td>35</td>
</tr>
</tbody>
</table>

*The holding power is when they hold an SS400, 20-mm thick workpiece (ground surface) over the whole area.*
**Model KM-JB**

SWITCHABLE PERMANENT MAGNETIC HOLDER

suitable as exclusive fixing jig for round steel of extra-ordinary shape of work pieces!

[Application]
In addition to using it as a fixing device for small work pieces, it can be used as a block to support 3 parts of a work piece during grinding.

[Features]
- Holes can be made down to 10mm additionally on each face. (Except the face for on/off operation and rear face)
- By using it as exclusive jig to a particular work piece, working performance is improved.
- Due to its drip-proof structure, it can be used in liquid such as ED processing.

Faces where additional process is possible.
(supra, bottom, left, right side)
Additionally, process is possible down to 10mm on each face!

- However, please avoid making a hole on the part of pin and counter-bore.

**Model MM**

FREE BLOCK

Freely workable permanent magnetic blocks

[Application]
These blocks are designed to allow deep engraving (machining by customer) such as grooves and steps on the magnetic attractive face to fit workpiece shapes when holding workpieces on the these MM models.

[Features]
- The attractive face can be removed up to 10 mm deep from the surface of new blocks.
- As workpieces can be fitted in grooves, a large machining pressure can be used. Also cemented carbide work- pieces, which are difficult to hold, can be held by using these blocks uniquely to enable grinding.
- These blocks can be mounted on the magnetic chuck work face.
- There are two types; a magnetic force ON-OFF type and a type not equipped with ON-OFF function.

### Model KM-JB

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding Power</th>
<th>Dimensions</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>KM-JB0709</td>
<td>350N/40kgf</td>
<td>65 [5.65] x 85 [7.85] x 70 [7.5]</td>
<td>2.5kg/5.5 lb</td>
</tr>
<tr>
<td>KM-JB0812</td>
<td>883N/90kgf</td>
<td>90 [5.14] x 120 [12.2] x 90 [9.3]</td>
<td>5.5kg/12.1 lb</td>
</tr>
</tbody>
</table>

*The holding power is based on a test piece of 50 x 125, 515C.*
*The handle is a hexagonal wrench key.*

### Model MM

#### MM2F Series

- **Model** MM2F-512
- **Model** MM2F-612
- **Model** MM2F-912

#### MM3F Series

- **Model** MM3F-612
- **Model** MM3F-912
- **Model** MM3F-1023

#### MM3Y Series

- **Model** MM3Y-1023

### Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Dimensions</th>
<th>Holding Power</th>
<th>Dimensions</th>
<th>Pole Pitch</th>
<th>Work Area</th>
<th>ON/OFF</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM3F-612</td>
<td>60 [2.36] x 120 [4.72]</td>
<td>400N/40kgf</td>
<td>60 [2.36] x 120 [4.72] x 60 [2.36]</td>
<td>70 [2.75]</td>
<td>0.11 [0.019]</td>
<td>(0.39)</td>
<td>2.5kg/5.5 lb</td>
</tr>
<tr>
<td>MM3F-912</td>
<td>90 [3.54] x 120 [4.72]</td>
<td>600N/60kgf</td>
<td>90 [3.54] x 120 [4.72] x 90 [3.54]</td>
<td>70 [2.75]</td>
<td>0.11 [0.019]</td>
<td>(0.39)</td>
<td>2.5kg/5.5 lb</td>
</tr>
</tbody>
</table>

*The holding power applies to 515C, 50 x 125, ground surface and is presented for reference only.*

---

REMOVABLE MAGNETIC BLOCKS

MAGNETIC BLOCKS

VACUUM CHUCKS

PERMANENT MAGNETIC CHUCKS

ELECTRO-MAGNETIC CHUCKS

WORKING TOOLS

MEASURING TOOL HOLDERS

MAGNETIC TOOLS

50
Model KYA SQUARE TYPE BLOCK

[Application]
Holding tools for marking and light duty machining.
Holding tools for electric discharge machining and wire cutting.
Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]
● Workpieces can be held on three faces of top (V face) and both side faces.
● On/Off lever is detachable. (length of each opposite side of hexagonal hole is 8mm)
● They are of waterproof and oilproof construction.
● An M8 tapped hole is provided on the top for lifting (KYA-18 only).
● Super high accuracy finish is also available. Please contact us. (mm/in.)

KYA Block/holder accuracy

<table>
<thead>
<tr>
<th>Item</th>
<th>KYA-8B</th>
<th>KYA-10B</th>
<th>KYA-13B</th>
<th>KYA-15B</th>
<th>KYA-18B</th>
<th>KYA-20B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Standard</td>
<td>Special</td>
<td>Standard</td>
<td>Special</td>
<td>Standard</td>
<td>Special</td>
</tr>
<tr>
<td>Parallelism</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom face to top face</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>7</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Bottom face to V face</td>
<td>15</td>
<td>8</td>
<td>15</td>
<td>8</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>End face to end face</td>
<td>12</td>
<td>12</td>
<td>15</td>
<td>15</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Side face to V face</td>
<td>20</td>
<td>20</td>
<td>25</td>
<td>25</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Flattness of bottom face</td>
<td>10</td>
<td>10</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Squareness</td>
<td>Bottom face to side face</td>
<td>20</td>
<td>10</td>
<td>20</td>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>

Model KYB SQUARE TYPE BLOCK

[Application]
Holding device for marking or light processing.
Holding device for ED process.
Holding device for three-dimensional measuring machine and various kinds of measuring, measuring system.

[Features]
● The attraction on one face of the upper (V) face is possible.
● On/Off lever is detachable. (length of each opposite side of hexagonal hole is 8mm)
● Drip-proof and oil resistance type,
● The higher accuracy finish is separately available upon request. (mm/in.)

KYB Block/holder accuracy

<table>
<thead>
<tr>
<th>Item</th>
<th>KYB-8A</th>
<th>KYB-10A</th>
<th>KYB-13A</th>
<th>KYB-15A</th>
<th>KYB-18A</th>
<th>KYB-20A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Standard</td>
<td>Special</td>
<td>Standard</td>
<td>Special</td>
<td>Standard</td>
<td>Special</td>
</tr>
<tr>
<td>Parallelism</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom face to top face</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>7</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Bottom face to V face</td>
<td>15</td>
<td>8</td>
<td>15</td>
<td>8</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>End face to end face</td>
<td>12</td>
<td>12</td>
<td>15</td>
<td>15</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Side face to V face</td>
<td>20</td>
<td>20</td>
<td>25</td>
<td>25</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Flattness of bottom face</td>
<td>10</td>
<td>10</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Squareness</td>
<td>Bottom face to side face</td>
<td>20</td>
<td>10</td>
<td>20</td>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>

※ The above value attractive force is in case of round steel of dia. 20mm on V face.
※ For accuracy, please refer to the below-mentioned table.
※ Please note that attractive force of the each face is reduced when a work piece is attracted on more than 2 faces at the same time.

※ The holding power applies to the V-face and φ20 round bar.
※ For accuracy, see the table below. (μm)
**Model KVA**

**MAGNETIC V-HOLDER**

[Application]
Holding tools for round bar marking, drilling, tapping and grinding of irregular-shaped workpieces.

Holding tools for electric discharge machining and wire cutting.

Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]
- Workpieces can be held on the top face (V face), bottom face, and rear face.
- T-handle ON/OFF switch comes attached, but can be removed.
- They are of waterproof and oilproof construction.
- Super high accuracy finish is also available. Please contact us.

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding Power</th>
<th>Applicable Diameter</th>
<th>Dimensions</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>KVA-1A</td>
<td>900N (30kgf) or over</td>
<td>φ8~φ50</td>
<td>B: 60(2.36) H: 125(4.92) α: 38(1.49)</td>
<td>2kg/4.4lb</td>
</tr>
<tr>
<td>KVA-2A</td>
<td>450N (15kgf) or over</td>
<td>φ8~φ50</td>
<td>B: 73(2.87) H: 125(4.92) α: 38(1.49)</td>
<td>3kg/6.6lb</td>
</tr>
<tr>
<td>KVA-3A</td>
<td>700N (20kgf) or over</td>
<td>φ8~φ50</td>
<td>B: 180(7.08) H: 125(4.92) α: 38(1.49)</td>
<td>4.5kg/10lb</td>
</tr>
</tbody>
</table>

- The holding power applies to the V-face and φ20 round bar.
- For accuracy, see the table below.

**Model KVA-2F**

**MAGNETIC V-HOLDER**

**On/Off switching of upper and bottom face is possible independently.**

[Application]
To be used in a wide range application as holding device from marking on round bar to milling. It is used as a holding device for measuring work on iron surface tables.

[Features]
- Work piece can be held and removed without changing fixed holding position. Working can be done effectively.
- On/Off lever is detachable, (length of each opposite side of hexagonal hole is 8mm )
- Drip-proof and oil resistance structure
- Higher accuracy finish is available.

<table>
<thead>
<tr>
<th>Model</th>
<th>Holding Power</th>
<th>Applicable Diameter</th>
<th>Dimensions</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>KVA-2F1A</td>
<td>520N (40kgf) or over</td>
<td>φ8~φ50</td>
<td>B: 60(2.36) H: 105(4.13) α: 80(3.14)</td>
<td>3.2kg/7.0lb</td>
</tr>
</tbody>
</table>

- The holding power applies to the V-face and φ20 round bar.
- For accuracy, see the table below.

**KVA Block/holder accuracy**

<table>
<thead>
<tr>
<th>Item</th>
<th>Model /Accuracy</th>
<th>KVA-1A</th>
<th>KVA-2A</th>
<th>KVA-3A</th>
<th>KVA-2F1A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Standard</td>
<td>Special</td>
<td>Standard</td>
<td>Special</td>
<td>Standard</td>
</tr>
<tr>
<td>Parallism</td>
<td>Bottom face to top face</td>
<td>10</td>
<td>7</td>
<td>15</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Bottom face to V face</td>
<td>20</td>
<td>25</td>
<td>12</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>End face to end face</td>
<td>10</td>
<td>12</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Side face to V face</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Flatness of bottom face</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Squareness</td>
<td>Bottom face to side face</td>
<td>20</td>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>
Model KVS
MAGNETIC V-HOLDER

KVS-1B

KVS-2B

Model<br>Holding Power<br>Applicable Diameter<br>Dimensions<br>Mass<br>Round Steel<br>VC groove<br>VE groove<br>B<br>a<br>L<br>H<br>KVS-1B<br>0.7kN/70kgf<br>φ68(0.31)<br>φ20(3.76)<br>75<br>50<br>100(3.94)<br>4.5kg/9.9 lb<br>KVS-2B<br>1.0kN/100kgf<br>φ68(0.31)<br>φ20(3.76)<br>95<br>1.96<br>200(7.87)<br>9.0kg/19.8 lb

[Application]<br>It is to be used to fix such extra-ordinary shape work pieces under grinding, light milling for making holes and tapping.

[Features]<br>● The strong magnetic force works three faces of upper, bottom, edge (or, shorter side) by special structure.<br>● It can be used for inspection work. Standard and special class accuracy are available.<br>● As on/off operation of magnetic force can be easily done by switching lever.<br>● Drip-proof.

Model KMV
MAGNETIC V-BLOCK

KMV-50D

KMV-125D

KMV-80D

[Application]<br>Holding tools for round bar marking and drilling. Holding tools for electric discharge machining and wire cutting. Holding tools for three-dimensional measuring instruments and various measuring systems.

[Features]<br>● Workpieces can be held on the top face (V face), and rear face.<br>● T-handle ON/OFF switch comes attached, but can be removed.<br>● They are of waterproof and oilproof construction.<br>● One set consists of two blocks.<br>● Super high accuracy finish is also available. Please contact us.

Model<br>Holding Power<br>Applicable Diameter<br>Dimensions<br>Mass<br>Round Steel<br>VC groove<br>VE groove<br>B<br>H<br>L<br>a<br>KMV-50D<br>150N(15kg) or over<br>φ50(1.97)<br>40(1.57)<br>50(1.96)<br>50(1.96)<br>36(1.41)<br>1kg/2.2 lb×2<br>KMV-80D<br>200N(20kg) or over<br>φ50(1.97)<br>50(1.96)<br>50(1.96)<br>50(1.96)<br>50(1.96)<br>6kg/13 lb×2<br>KMV-125D<br>230N(23kg) or over<br>φ125(4.92)<br>100(3.94)<br>125(4.92)<br>125(4.92)<br>90(3.54)<br>11kg/24.2 lb×2

KMV accuracy

<table>
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<th>Item</th>
<th>KVS-1B Standard</th>
<th>KVS-1B Special</th>
<th>KVS-2B Standard</th>
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<td>Parallelism</td>
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<td>7</td>
<td>20</td>
<td>12</td>
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<tr>
<td>Squareness</td>
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<td>15</td>
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<td>9</td>
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<td>20</td>
<td>30</td>
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<td>10</td>
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</table>

When high accuracy is required, select “special” accuracy models.
In case the value of accuracy which is not mentioned in the above table, please request us.

The dimensional accuracy of KVS and KMV are based on Kanetec’s in-house standard. When you need higher accuracy, please contact us.
**Model KMV-M**

**MAGNETIC MINI V-BLOCK**

- **Application**: These blocks are used to hold small diameter round bars on optical measuring equipment. (Non-waterproof type)
- **Features**:
  - One cast consists of two blocks. The attractive faces and other working faces have been machined accurately. The blocks can be turned ON and OFF by 90° turning using a screwdriver on the back.

**Model KT-KTV**

**CHUCK BLOCK**

- **Application**: These blocks are used in combination with a magnetic chuck as an auxiliary tool to hold round bars and shoo-like workpieces that are difficult to hold on their side faces only by chucking.
- **Features**:
  - Since these blocks are not magnetized themselves, they are placed on a magnetic chuck to induce magnetism in the workpieces. Magnetism can be induced on two faces of top and side or V face and side.
  - Specially-shaped workpieces can also be held by use of chuck blocks, thus making it possible to utilize your chucks in stock.
  - One set of two blocks has been finished together (KT-3 and KT-4 are available individually.)

**Model MV**

**MINI V-ADAPTER**

- **Application**: This product itself is not magnetic, but when it is placed on a V-Holder having the N pole and S pole on separate sides like Model KVA, it induces magnetism to hold small diameter workpieces that can not be physically mounted directly. (See the figure below.)
  - This adapter is recommended for holding workpieces during grinding, drilling, and measurement.
- **Features**:
  - The attractive faces can be set to any angle between 90 and 180 degrees.
  - The hinge part acts as a separator to divide magnetic poles.