Oil-Proof Hand HKGJ Series

Smooth Motion via Bearings

Key Features

- **High accuracy and smooth operation with cross roller guide**
  Cross roller bearing used for sliding material provides high accuracy and smooth motion

- **Compact body and high rigidity**
  Telescopic slides and bearing retainers to provide high moments to size ratio

- **Protective rubber cover for use in dusty and harsh environments**
  Rubber cover to improve protection from harsh environments to repels chips and other particulates such as dust and mist from internal drive mechanism

*Oil-Proof Sensors can be mounted

How To Order

**Standard**

**HKGJ-32MS**

**Option**

**HKGJ - 32MS - E40LS2 - Z**

HKGJ-32MS with 2 of E40L non-contact reed switches

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<table>
<thead>
<tr>
<th>Size</th>
<th>Symbol</th>
<th>Sensor</th>
<th>Quantity</th>
<th>Name</th>
<th>Option</th>
<th>Symbol</th>
<th>Name</th>
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<tbody>
<tr>
<td>32MS</td>
<td>E40</td>
<td>2</td>
<td>Sensor</td>
<td></td>
<td>Z</td>
<td>special Type (Custom)</td>
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<tr>
<td>40MS</td>
<td>E40LS</td>
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<tr>
<td>50MS</td>
<td>E40LS2</td>
<td>2</td>
<td>Sensor</td>
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<td>Sensor</td>
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For sensor detail 2779

For option detail 365

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Performance Data

- **Grip Force**
  The graph shows grip force in opening and closing with effective external finger lengths from gripper cover surface under different air pressure (MPa)

Open (▫) Closed (●)

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Specification

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>HKGJ-32MS</th>
<th>HKGJ-40MS</th>
<th>HKGJ-50MS</th>
<th>HKGJ-63MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure</td>
<td>Pneumatic: 0.1 to 0.7MPa</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td>Not Required or Turbine Oil Class 1 (ISOVG32)</td>
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<tr>
<td>Ambient Temperature (°C)</td>
<td>5 to 60</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Total Jaw Stroke (mm)</td>
<td>24</td>
<td>30</td>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>Cylinder Diameter (mm)</td>
<td>dia.32</td>
<td>dia.40</td>
<td>dia.50</td>
<td>dia.63</td>
</tr>
<tr>
<td>Rod Diameter (mm)</td>
<td>dia.16</td>
<td>dia.20</td>
<td>dia.28</td>
<td>dia.32</td>
</tr>
<tr>
<td>Internal Volume [ml/min]</td>
<td>25.3</td>
<td>49.5</td>
<td>89.4</td>
<td>162.9</td>
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<tr>
<td>Repeatability (mm)</td>
<td>±0.01</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>1.32</td>
<td>2.05</td>
<td>4.08</td>
<td>5.25</td>
</tr>
</tbody>
</table>
Oil-Proo Hand HKGJ Series

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*Oil-Proof Sensors can be mounted

How To Order

Standard ...... HKGJ-32MS

Option ...... HKGJ - 32MS - E40LS2 - Z

<table>
<thead>
<tr>
<th>Size Symbol</th>
<th>Sensor, Quantity Symbol</th>
<th>Name</th>
<th>Option Symbol</th>
<th>Name</th>
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<tbody>
<tr>
<td>32MS</td>
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<td>S1</td>
<td>Z</td>
<td>Special Type (Custom)</td>
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<td>E40L</td>
<td>S1</td>
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<td>50MS</td>
<td>E41</td>
<td>S1</td>
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For option detail 32770

Specification

<table>
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<th>HKGJ-32MS</th>
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<th>HKGJ-50MS</th>
<th>HKGJ-63MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure</td>
<td>Pneumatic</td>
<td>0.1 to 0.7MPa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubrication</td>
<td>Not Required</td>
<td>Turbine Oil Class 1 (ISOVG32)</td>
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<tr>
<td>Ambient Temperature</td>
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<td></td>
<td></td>
</tr>
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<tr>
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<td>4.08</td>
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Performance Data

- **Grip Force**
  The graph shows grip force in opening and closing with effective external finger lengths from gripper cover surface under different air pressure (MPa)

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<th>HKGJ-40MS</th>
<th>HKGJ-50MS</th>
<th>HKGJ-63MS</th>
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<tbody>
<tr>
<td>Open</td>
<td>Closed</td>
<td>Open</td>
<td>Closed</td>
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<tr>
<td>300</td>
<td>200</td>
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<td>250</td>
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<td>35</td>
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<tr>
<td>200</td>
<td>100</td>
<td>50</td>
<td>25</td>
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</table>

For sensor detail 32770

For option detail 32770
Oil-Proof Hand  HKGJ Series

**HKGJ-32MS • 40MS** (Optimal Grip Force 200N to 350N • 350N to 600N)

- **HKGJ-32MS Standard**
- **HKGJ-40MS Standard**

![Diagram of HKGJ-32MS and HKGJ-40MS](image)

**Model**
- **A**: 32
- **B**: 32
- **C**: 32
- **D**: 32
- **E**: 32
- **F**: 32
- **G**: 32
- **H**: 32

- **HKGJ-32MS**
  - **Model**: 32
  - **A**: 32
  - **B**: 32
  - **C**: 32
  - **D**: 32
  - **E**: 32
  - **F**: 32
  - **G**: 32
  - **H**: 32

- **HKGJ-40MS**
  - **Model**: 40
  - **A**: 40
  - **B**: 40
  - **C**: 40
  - **D**: 40
  - **E**: 40
  - **F**: 40
  - **G**: 40
  - **H**: 40

**Oil-Proof Hand HKGJ Series**

**HKGJ-50MS • 63MS** (Optimal Grip Force 500N to 800N • 800N to 1400N)

- **HKGJ-50MS Standard**
- **HKGJ-63MS Standard**

![Diagram of HKGJ-50MS and HKGJ-63MS](image)

**Model**
- **A**: 50
- **B**: 50
- **C**: 50
- **D**: 50
- **E**: 50
- **F**: 50
- **G**: 50
- **H**: 50

- **HKGJ-50MS**
  - **Model**: 50
  - **A**: 50
  - **B**: 50
  - **C**: 50
  - **D**: 50
  - **E**: 50
  - **F**: 50
  - **G**: 50
  - **H**: 50

- **HKGJ-63MS**
  - **Model**: 63
  - **A**: 63
  - **B**: 63
  - **C**: 63
  - **D**: 63
  - **E**: 63
  - **F**: 63
  - **G**: 63
  - **H**: 63

**For CAD data, please go to [link]**
Oil-Proof Hand HKGJ Series

HKGJ-32MS • 40MS (Optimal Grip Force 200N to 350N • 350N to 600N)

HKGJ-50MS • 63MS (Optimal Grip Force 500N to 800N • 800N to 1400N)

For CAD data, please go to [Link]