### Linear Bushing LM series

<table>
<thead>
<tr>
<th>Inner Diameter (mm)</th>
<th>Outer Diameter (mm)</th>
<th>Length (mm)</th>
<th>IKO</th>
<th>THK</th>
<th>SAMCOX</th>
<th>NB</th>
<th>MISUMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>13</td>
<td>19</td>
<td>LM-BUU</td>
<td>LM-BUU</td>
<td>LM-BUU</td>
<td>SWG-LUU</td>
<td>LM-6UU</td>
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<tr>
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<td>15</td>
<td>17</td>
<td>LM-BUU</td>
<td>LM-BUU</td>
<td>LM-BUU</td>
<td>SWG-LUU</td>
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<tr>
<td>10</td>
<td>19</td>
<td>29</td>
<td>LM-10UU</td>
<td>LM-10UU</td>
<td>LM-10UU</td>
<td>SMU-G10UU</td>
<td>LM-10U</td>
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<td>28</td>
<td>37</td>
<td>LM-16UU</td>
<td>LM-16UU</td>
<td>LM-16UU</td>
<td>SMU-G16UU</td>
<td>LM-16U</td>
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<tr>
<td>20</td>
<td>32</td>
<td>40</td>
<td>LM-20UU</td>
<td>LM-20UU</td>
<td>LM-20UU</td>
<td>SMU-G20UU</td>
<td>LM-20U</td>
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<tr>
<td>5</td>
<td>12</td>
<td>22</td>
<td>LMB-5UU</td>
<td>LMB-5UU</td>
<td>LMB-5UU</td>
<td>KBG-LUU</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>16</td>
<td>25</td>
<td>LME-8UU</td>
<td>LME-8UU</td>
<td>LME-8UU</td>
<td>KBG-LUU</td>
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<tr>
<td>10</td>
<td>20</td>
<td>32</td>
<td>LME-10UU</td>
<td>LME-10UU</td>
<td>LME-10UU</td>
<td>KBG-LUU</td>
<td>-</td>
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<tr>
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<td>26</td>
<td>40</td>
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<td>LME-16UU</td>
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<td>LME-25UU</td>
<td>K2G-LUU</td>
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</tr>
</tbody>
</table>

Some dimensions may vary. Please inquire to our sales office before ordering.
Synthetic Resin Retainer Type Linear Bushing

**LM series**

Reliable, high quality and affordable Japanese made is now offered!

Identification Number

<table>
<thead>
<tr>
<th>LM</th>
<th>6</th>
<th>UU</th>
</tr>
</thead>
</table>

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cylinder bushing (LD series)</th>
<th>Metric series</th>
<th>Inch series</th>
<th>ID specification</th>
</tr>
</thead>
</table>

**Inscribed circle diameter**

For the metric series, it is designated in units of 0.5 mm.

**Seal structure**

- LD series: Seals with superior dust protection performance for preventing intrusion of foreign substances are incorporated on the both sides.

**Relationship between Load Rating and Ball Raceway**

The load rating of LM series is according to the loading direction and position of the ball raceways. The dimension table describes two types of values shown in Fig. 1.1 and Fig. 1.2 according to the loading direction and position of the ball raceways. The dimension table describes two types of values shown in Fig. 1.1 and Fig. 1.2 according to the loading direction and position of the ball raceways.

<table>
<thead>
<tr>
<th>Metric series</th>
<th>Metric series (Europe specification)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Inch series</th>
<th>Inch series (Europe specification)</th>
</tr>
</thead>
</table>

**Applications**

1. By reassessing the whole manufacturing process and components, we can now provide a low-cost reliable Japanese made product.

2. In addition to Metric sizes (both Japanese and European), we also offer Inch sizes as well to meet various customers' needs.

3. Thorough management of the manufacturing process achieves an exceptional level of quality and smooth motion.

**Structure and Features**

Synthetic Resin Retainer Type Linear Bushings are linear motion mechanisms that use balls for rolling motion. They can replace conventional sliding bushings without having to make major design changes.

Furthermore, coefficient of friction is extremely low. This reduces power consumption and lowers operating temperature. Also, Synthetic Resin Retainer helps reduce noise during operation.

IKO offers Metric (both Japanese and European) and Inch sizes to satisfy global market.

**Uses**

- Cutting plotter
- Air cylinder
- Electric actuator
- Measuring instrument (both direct)
- Measuring instrument (Chat gauge)
- Lifting stage

**Notes**

- It is specification with the dimensions and tolerances generally used in Europe.

**Table**

<table>
<thead>
<tr>
<th>Model</th>
<th>Identification Number</th>
<th>Material</th>
<th>Inscribed circle diameter</th>
<th>Sealing diameter</th>
<th>Diameter Identification</th>
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<tbody>
<tr>
<td>LM-6UU</td>
<td>49941</td>
<td>SS</td>
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<td>SS</td>
<td>20.000</td>
<td>41.375</td>
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</tr>
</tbody>
</table>

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