Clearance

Model FBW-XR is manufactured to the following accuracies:

Vertical direction: 0.03 mm or less
Lateral direction: 0.1 mm or less

These specification values apply when the slide rail is attached to a rigid base.

Mounting Screws of the Slide Rail

Since the space for securing the mounting screws of the slide rail is limited, shown in the figure below, we recommend using button-head or binding-head bolts (JIS B 1115 annex).

Groove Dimensions

The table on the right shows the groove dimensions for model FBW-XR when it is used in a groove.

Precautions on Use

- **Handling**
  - Do not disassemble components. This may cause dust to enter the system or degrade mounting accuracy of parts.
  - Do not affix to the Slide Pack. The Slide Pack is designed to absorb and distribute loads to the table. This may cause dust to enter their own weight.
  - Do not drop until the Slide Pack. The Slide Pack is designed to absorb and distribute loads to the table. This may cause damage to its surface.

- **Lubrication**

  - Use high-quality molybdenum-disulfide grease No. 3. Do not mix lubricants of different physical properties.

- **Precautions on Use**

  - Use only the specified product. If the product is different from the specified, it may cause damage to the rail or the table.
  - When using the Slide Pack with a hoist or crane to lift the slider, always use a safety belt or similar device to prevent the slider from falling.
  - Always use the Slide Pack with a hoist or crane to lift the slider, always use a safety belt or similar device to prevent the slider from falling.

- **Storage**

  - When storing the Slide Pack, enclose it in a packaging designated by THK and store it in a location avoiding high temperature, low temperature, and high humidity.

- **UM Guides**

"Caged Ball" and "Caged Ball" are registered trademarks of THK CO., LTD.

- **Packaging**

For manual products, see the THK catalog for information. Contact THK before purchasing the product. Contact THK before purchasing the product.
**High Corrosion Resistance**
Parts such as the rail, mounting plate and stopper are made of austenitic stainless steel to achieve high corrosion resistance.

**Low Noise**
FBW2560XR, FBW3590XR and FBW50110XR have newly designed slides to decrease noise level by 6dB from the conventional models.

**High Rigidity**
FBW2560XR and FBW50110XR have thicker rails to achieve higher rigidity than conventional models.

**Rigidity Test Data**

---

**Structure of FBW**

---

**FBW2560XR TYPE**

---

**FBW3590XR TYPE**

---

**FBW50110XR TYPE**

---

**Static Permissible Load**

---

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Static Permissible Load (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBW2560XR</td>
<td>3400 1380 730</td>
</tr>
<tr>
<td>FBW3590XR</td>
<td>5200 1860 1000</td>
</tr>
<tr>
<td>FBW50110XR</td>
<td>8000 2920 1600</td>
</tr>
</tbody>
</table>
**FBW-XR**

**Slide Pack Stainless Steel Series**

**Structure of FBW**

- **High Corrosion Resistance**
  - Parts such as the rail, mounting plate and stopper are made of austenitic stainless steel to achieve high corrosion resistance.

- **Low Noise**
  - FBW2560XR and FBW50110XR have newly designed slides to decrease noise level by SIBA from the conventional models.

- **High Rigidity**
  - FBW2560XR and FBW50110XR have thicker rails to achieve higher rigidity than conventional models.

- **Rigidity Test Data**

**FBW2560XR TYPE**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Rail Length (mm)</th>
<th>Sliding Length (mm)</th>
<th>Slide Rail Length (mm)</th>
<th>Slide Rail Width (mm)</th>
<th>Slide Rail Height (mm)</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCC 110A</td>
<td>100</td>
<td>100</td>
<td>70</td>
<td>20</td>
<td>30</td>
<td>A</td>
</tr>
<tr>
<td>FCC 110B</td>
<td>100</td>
<td>100</td>
<td>70</td>
<td>20</td>
<td>30</td>
<td>A</td>
</tr>
</tbody>
</table>

**FBW50110XR TYPE**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Rail Length (mm)</th>
<th>Sliding Length (mm)</th>
<th>Slide Rail Length (mm)</th>
<th>Slide Rail Width (mm)</th>
<th>Slide Rail Height (mm)</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCC 110A</td>
<td>100</td>
<td>100</td>
<td>70</td>
<td>20</td>
<td>30</td>
<td>A</td>
</tr>
<tr>
<td>FCC 110B</td>
<td>100</td>
<td>100</td>
<td>70</td>
<td>20</td>
<td>30</td>
<td>A</td>
</tr>
</tbody>
</table>

**Static Permissible Load**

- **Model No.**
  - FBW2560XR
  - FBW50110XR

- **Static Load Capacity**
  - FBW2560XR: 100 N 70 N 80 N
  - FBW50110XR: 300 N 200 N 220 N

**Model number symbols**

- **FBW2560XR**
  - UU +800L - T
  - No. of slides (no symbol for a single slider)

- **FBW50110XR**
  - UU +800L - T
  - No. of slides (no symbol for a single slider)