NEW C-Lube Linear Roller Way Super MX

MX MASTER GRADE

Introducing the new Low Fluctuation specification, for superb high-precision feeding.
Features

1. Special raceway processing suppresses small running deflection and reduces fluctuation by approximately 50% compared to standard extra long units.

2. Low fluctuation makes it ideal for ultra-precision linear motion on Machine Tools, which require high-precision, high-quality processing.

3. The extra long unit contributes to improved load capacity and rigidity in mechanical equipment.

Applicable products

- **Series**: C-Lube Linear Roller Way Super MX
- **Supported models**: MXL, MXDL, MXNL, MXNSL
- **Size**: 30/35/45/55

MX Master Grade (low fluctuation specification) is a special order product; if needed please contact IKO.

Fluctuation comparison

<table>
<thead>
<tr>
<th>Running deflection (μm)</th>
<th>Distance (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>-0.01</td>
<td>50</td>
</tr>
<tr>
<td>-0.02</td>
<td>100</td>
</tr>
<tr>
<td>-0.03</td>
<td>150</td>
</tr>
<tr>
<td>-0.04</td>
<td>200</td>
</tr>
</tbody>
</table>

The running deflection value for MX Master Grade (low fluctuation specification) is kept within 0.0090 μm (9.0 nm) as verified by testing.

Features:

1. Fluctuation: Refers to the running deflection related to movement of the rolling elements within the Linear Roller Way.

2. Fluctuation comparison

   - **MXD35**: Standard unit
   - **MXDG35**: Long unit
   - **MXDL35**: Extra long unit
   - **MXDL35 (low fluctuation specification)**: Reduced approx. 90%

   - **Running deflection**: Reduced approx. 50%

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