**Side Mounted 1DC**  
Linear Guide #7  
with Table Top  
Side Mounted for Low Profile  

**INCH**

![Diagram](image_url)

### Double Side Mounted Linear Guide with 4 Pillow Blocks and Size D Table Top

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Diameter</th>
<th>H</th>
<th>T</th>
<th>T1</th>
<th>B</th>
<th>B2</th>
<th>S</th>
<th>Maximum Stroke Length</th>
<th>Pillow Block</th>
<th>Shaft Support Rail Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>1DC-08-JOD</td>
<td>.50</td>
<td>2.062</td>
<td>7.25</td>
<td>5.50</td>
<td>4.63</td>
<td>5.63</td>
<td>1.75</td>
<td>L-(5.5)</td>
<td>SSUTWNO-12-MOD</td>
<td>SSRA-8</td>
</tr>
<tr>
<td>1DC-12-JOD</td>
<td>.75</td>
<td>2.562</td>
<td>9.75</td>
<td>7.50</td>
<td>6.13</td>
<td>7.50</td>
<td>2.25</td>
<td>L-(7.5)</td>
<td>SSUTWNO-16-MOD</td>
<td>SSRA-12</td>
</tr>
<tr>
<td>1DC-16-JOD</td>
<td>1.00</td>
<td>3.062</td>
<td>12.00</td>
<td>9.00</td>
<td>7.63</td>
<td>9.38</td>
<td>2.75</td>
<td>L-(9.0)</td>
<td>SSUTWNO-16-MOD</td>
<td>SSRA-16</td>
</tr>
</tbody>
</table>

**Dynamic Load Rating**  
Load value used in life calculation.  
**Load Limit**  
Maximum allowable load applied to bearing.

### Double Side Mounted Linear Guide with 2 Twin Pillow Blocks and Size C Table Top

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Diameter</th>
<th>H</th>
<th>T</th>
<th>T2</th>
<th>B</th>
<th>B2</th>
<th>S</th>
<th>Maximum Stroke Length</th>
<th>Pillow Block</th>
<th>Shaft Support Rail Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>1DC-08-KOC</td>
<td>.50</td>
<td>2.062</td>
<td>7.25</td>
<td>3.5</td>
<td>4.63</td>
<td>5.63</td>
<td>L-(3.5)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1DC-12-KOC</td>
<td>.75</td>
<td>2.562</td>
<td>9.75</td>
<td>4.5</td>
<td>6.13</td>
<td>7.50</td>
<td>L-(4.5)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1DC-16-KOC</td>
<td>1.00</td>
<td>3.062</td>
<td>12.00</td>
<td>6.0</td>
<td>7.63</td>
<td>9.38</td>
<td>L-(6.0)</td>
<td></td>
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</tr>
</tbody>
</table>

For more information, or to place an order, please contact your local authorized Thomson distributor or Thomson Industries, at 1-800-554-THOMSON, Fax: 1-800-445-0329, or E-mail at linearguides@thomsonmail.com.

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## Side Mounted Linear Guide

### 1DC Benefits:
- Requires only one part number to order the entire linear guide.
- Continuously supported design increases rigidity and provides for unlimited system travel lengths.
- Low profile, side mounted design allows for compact machines.
- Side mounted design provides an increase in pull-off load capacity.
- Includes table top with standard tapped holes for quick and easy mounting of the work piece.

### 1DC Components:
- 4 Super Smart Ball Bushing* modified open type pillow blocks or 2 Super Smart Ball Bushing modified open type twin pillow blocks.
- 20 Case* LinearRace* shaft Side Mounted Support Rail Assemblies.
- 1 mounting table top with work piece attachment holes.

## Specifying a Thomson Linear Guide:
1. Determine the proper system for your load and life requirements.
2. Select the part number.
3. Add the letter "L" followed by the overall length in inches, as a suffix to the part number.

### Part Numbering System
- **1DC-12-JOD L24**
  - Linear Guide Designation
  - Nominal Diameter: Type of Table Top
  - Type of Support

## Dynamic Load Rating (C) Matrix

<table>
<thead>
<tr>
<th>Linear Guide Assembly Part No.</th>
<th>Linear Guide Designation, C (lbf) (Even Distribution)</th>
<th>Pillow Block Part No.</th>
<th>Pillow Block Dynamic Load Rating, C (lbf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1DC-08-JOD</td>
<td>480</td>
<td>SPB-8-OPN-MOD</td>
<td>120</td>
</tr>
<tr>
<td>1DC-12-JOD</td>
<td>3200</td>
<td>SSUTWNO-12-MOD</td>
<td>800</td>
</tr>
<tr>
<td>1DC-16-JOD</td>
<td>5400</td>
<td>SSUTWNO-16-MOD</td>
<td>1350</td>
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<tr>
<td>1DC-08-KOC</td>
<td>480</td>
<td>TWN-8-OPN-MOD</td>
<td>240</td>
</tr>
<tr>
<td>1DC-12-KOC</td>
<td>3200</td>
<td>SSUTWNO-12-MOD</td>
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<tr>
<td>1DC-16-KOC</td>
<td>5400</td>
<td>SSUTWNO-16-MOD</td>
<td>2700</td>
</tr>
</tbody>
</table>

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† Super Ball Bushing* bearings are used in .500 inch size pillow blocks.

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