### Technical Data

#### Series

**0250 Design 030**

<table>
<thead>
<tr>
<th>Option</th>
<th>Mounting Height (H)</th>
<th>Bend Radius (KR)</th>
<th>Depot Length (UB)</th>
<th>Loop Length (LB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option A</td>
<td>3.11 (79)</td>
<td>1.10 (28)</td>
<td>2.56 (65)</td>
<td>5.43 (138)</td>
</tr>
<tr>
<td>Option B</td>
<td>3.90 (99)</td>
<td>1.50 (38)</td>
<td>2.95 (75)</td>
<td>6.65 (169)</td>
</tr>
<tr>
<td>Option C</td>
<td>4.45 (113)</td>
<td>1.77 (45)</td>
<td>3.23 (82)</td>
<td>7.52 (191)</td>
</tr>
<tr>
<td>Option D</td>
<td>5.63 (143)</td>
<td>2.36 (60)</td>
<td>3.82 (97)</td>
<td>9.37 (238)</td>
</tr>
<tr>
<td>Option E</td>
<td>6.81 (173)</td>
<td>2.95 (75)</td>
<td>4.41 (112)</td>
<td>11.26 (286)</td>
</tr>
<tr>
<td>Option F</td>
<td>8.78 (223)</td>
<td>3.94 (100)</td>
<td>5.39 (137)</td>
<td>14.33 (364)</td>
</tr>
</tbody>
</table>

### Calculation of Chain Length

\[
L_C = \text{total machine travel} \\
L_B = \frac{L_S}{2} + \text{length of the curve (L_B)}^* \\
L_K = \frac{L_s}{2} + (2 \times \text{t safety factor}) \\\nL_K = 3.14 \times KR + (2 \times \text{t safety factor}) \\
\]

* Assumes the Fixed Point is located at the Center of the Total Machine Travel.

### Uniflex Specifications

- **How To Order**: 1-800-443-4216
- **Self-Supporting Lengths**
  - **Additional Lead**: Type 0250
    - Unprotected Length: 1.64 ft, 3.28 ft, 4.92 ft, 6.66 ft, 8.40 ft, 9.34 ft, 11.48 ft
    - Unsupported Length: 0.5 ft, 1.0 ft, 1.5 ft, 2.0 ft, 2.5 ft, 3.0 ft, 3.5 ft
- **Extended Travel**: When application travel exceeds the self-supporting length of the carrier, UNIFLEX carrier systems are designed to glide on themselves in a guide channel.
  - For more information on extended travel systems, see pages 03.27-03.36

### Technical Details

- **Dimensions in inches (mm)**
- **ECONOMIC VALUE ADDED**: A product group's EVA score is a general indicator that allows customers to quickly and easily compare a product group's basic price, features, capabilities and value relative to other comparably sized products within the KS product range.

### Download Resources

- Download 3D CAD files, videos, updated product info & much more at: [www.kableschlepp.com/uniflex.htm](http://www.kableschlepp.com/uniflex.htm)
Design 030 - opens on the outside radius

0250.030.020
Chain Weight:
0.17 lbs/ft
(0.26 kg/m)

0250.030.030
Chain Weight:
0.21 lbs/ft
(0.31 kg/m)

0250.030.040
Chain Weight:
0.22 lbs/ft
(0.33 kg/m)

0250.030.050
Chain Weight:
0.23 lbs/ft
(0.35 kg/m)

0250.030.065
Chain Weight:
0.25 lbs/ft
(0.38 kg/m)

0250.030.080
Chain Weight:
0.28 lbs/ft
(0.41 kg/m)

Cavity Partition Options:
A. Standard vertical dividers
B. Custom: KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory

Bk = Outer Width
Bk = Inner Width
hG = Outer Height
hG = Inner Height

Note:
For drawings and dimensions of available mounting bracket options: See page 07.03
### 0250 Bracket Position Options

**Bracket End**
- M - Moving End
- F - Fixed End

**Bracket Position**
- A - connecting surface on outside radius (standard)
- I - connecting surface on inside radius
- H - connecting surface turned 90° to the outside radius
- K - connecting surface turned 90° to the inside radius

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#### Connection Dimensions
Brackets made of nylon with integral strain relief.

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#### 0250.30.20 Bracket
- \( B_1 = 0.79 \) (20)

#### 0250.30.30 Bracket
- \( B_1 = 1.18 \) (30) - 3.15 (80)

<table>
<thead>
<tr>
<th>Type</th>
<th>( B_1 )</th>
<th>( B_x )</th>
<th>( b_A )</th>
<th>( nZ )</th>
<th># of tines</th>
</tr>
</thead>
<tbody>
<tr>
<td>0250.30.20</td>
<td>0.79 (20)</td>
<td>1.18 (30)</td>
<td>–</td>
<td>1</td>
<td>1</td>
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<tr>
<td>0250.30.30</td>
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<td>1.57 (40)</td>
<td>0.59 (15)</td>
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<td>2</td>
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<tr>
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<td>1.57 (40)</td>
<td>1.97 (50)</td>
<td>0.91 (23)</td>
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<td>3</td>
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<tr>
<td>0250.30.50</td>
<td>1.97 (50)</td>
<td>2.36 (60)</td>
<td>1.30 (33)</td>
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<td>4</td>
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<tr>
<td>0250.30.65</td>
<td>2.56 (65)</td>
<td>2.95 (75)</td>
<td>2.95 (48)</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>0250.30.80</td>
<td>3.15 (80)</td>
<td>3.54 (90)</td>
<td>2.48 (63)</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

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Please specify the desired bracket variant and position when ordering.

**Example:** FA/MA (Standard) or FA/MI

The bracket positions at the Fixed End and Moving End can be changed later if required.

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**ZLK-A Fixed End Bracket**
- (with integral strain relief)

**ZLK-A Moving End Bracket**
- (with integral strain relief)
DESIGN AND LAYOUT NOTES

Name: ____________________________  Date: ____________________________
Dept.: ____________________________  Phone: ______________  Fax: _____________
Company: __________________________  Machine Type/Name: ___________________
Address: __________________________

Specifications are subject to change without notice.

Need help? 1-800-443-4216 or www.kabelschlepp.com