UNIFLEX Advanced
Light, quiet all-rounder with wide range of applications*

- Cost-effective cable carrier
- Weight-optimized chain geometry
- Particularly high torsional rigidity
- Universal Mounting Brackets (UMB) with integratable strain relief comb
- Favorable ratio of inner cavity space to outer width
- Single-part, non-opening chain links (design 020)
- Designs with inward or outward opening framestays
- Extremely fast and easy to open due to ball joint hinge mechanism
- Many separation options for the cables

**UNIFLEX Advanced 1665 with cavity height extender frame stay**
The extended height frame stay can be used to reliably route cables with a very large diameters, such as vaccuum hoses, which are large and require more cavity space than the standard frame stay allows.

* Some features can be different for certain types for design reasons. Our specialists are happy to advise you.
**Technical Data**

### Series 1320 Design 020

<table>
<thead>
<tr>
<th>Option</th>
<th>Mounting Height (H)</th>
<th>Bend Radius (KR)</th>
<th>Depot (UB)</th>
<th>Loop Length (LB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option A</td>
<td>3.23 (82)</td>
<td>1.10 (28)</td>
<td>2.86 (73)</td>
<td>5.98 (152)</td>
</tr>
<tr>
<td>Option B</td>
<td>4.02 (102)</td>
<td>1.50 (38)</td>
<td>3.26 (83)</td>
<td>7.24 (184)</td>
</tr>
<tr>
<td>Option C</td>
<td>4.80 (122)</td>
<td>1.89 (48)</td>
<td>3.67 (93)</td>
<td>8.46 (215)</td>
</tr>
<tr>
<td>Option D</td>
<td>6.93 (176)</td>
<td>2.95 (75)*</td>
<td>4.72 (120)</td>
<td>11.81 (300)</td>
</tr>
<tr>
<td>Option E</td>
<td>8.90 (226)</td>
<td>3.94 (100)*</td>
<td>5.71 (145)</td>
<td>14.92 (379)</td>
</tr>
<tr>
<td>Option F</td>
<td>10.87 (276)</td>
<td>4.92 (125)*</td>
<td>6.69 (170)</td>
<td>17.99 (457)</td>
</tr>
</tbody>
</table>

* special order, available upon request

### Self-Supporting Lengths

**Extended Travel:**
When application travel exceeds the self-supporting length of the carrier, UNIFLEX Advanced carrier systems are designed to glide on themselves in a guide channel.

**Calculation of Chain Length**

\[ L_{eh} = \text{total machine travel} \]

\[ L_{eh} = 3.14 \times KR + (2 \times t \text{ safety factor}) \]

\[ L_{eh} = \text{chain length required} \]

\[ L_{eh} = \frac{LS}{2} + \text{length of the curve (L_B)*} \]

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

**How To Order**

1-800-443-4216

**Specifications are subject to change without notice.**
**Design 020 - non-opening links**

1320.020.038

Chain Weight: 0.27 lbs/ft

<table>
<thead>
<tr>
<th>Type</th>
<th>h₁ (in)</th>
<th>s₁ (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1320</td>
<td>0.79 (20)</td>
<td>0.08 (2)</td>
</tr>
</tbody>
</table>

The dividers can be moved in the cross section.

1320 Cavity Partitioning Options:

In the standard version, the divider systems are mounted on every second chain link.

**Divider system TS 0 (Type 1320)**

In the standard version, the divider systems are mounted on every second chain link.

**Divider system TS 1 (Type 1320)**

with continuous height subdivision made of aluminum

<table>
<thead>
<tr>
<th>Type</th>
<th>h₁ (in)</th>
<th>s₁ (in)</th>
<th>s₂ (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1320</td>
<td>0.79 (20)</td>
<td>0.08 (2)</td>
<td>0.09 (2.4)</td>
</tr>
</tbody>
</table>

The dividers can be moved in the cross section.

**1320 Mounting Bracket Options:**

**Connection dimensions for Type 1320**

Connecting elements with strain relief combs on one side

<table>
<thead>
<tr>
<th>ZLK – A integrated strain relief combs</th>
</tr>
</thead>
</table>

The dimensions of the fixed end and moving end brackets are identical.
**Specifications are subject to change without notice.**

**KSA-L15015-GC-A**

**BASIC-LINE**

**How To Order**

1-800-443-4216

**Series**

**1455**

**Design**

030/040

<table>
<thead>
<tr>
<th>Option</th>
<th>Mounting Height</th>
<th>Bend Radius</th>
<th>Depot</th>
<th>Loop Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5.51 (140)</td>
<td>2.05 (52)</td>
<td>4.57 (116)</td>
<td>10.00 (254)</td>
</tr>
<tr>
<td>B</td>
<td>6.54 (166)</td>
<td>2.56 (65)</td>
<td>5.08 (129)</td>
<td>11.61 (295)</td>
</tr>
<tr>
<td>C</td>
<td>8.90 (226)</td>
<td>3.74 (95)</td>
<td>6.26 (159)</td>
<td>15.35 (389)</td>
</tr>
<tr>
<td>D</td>
<td>11.26 (286)</td>
<td>4.92 (125)</td>
<td>7.44 (189)</td>
<td>19.06 (484)</td>
</tr>
<tr>
<td>E</td>
<td>13.23 (336)</td>
<td>5.91 (150)</td>
<td>8.43 (214)</td>
<td>22.13 (562)</td>
</tr>
<tr>
<td>F</td>
<td>15.59 (396)</td>
<td>7.09 (180)</td>
<td>9.61 (244)</td>
<td>25.87 (656)</td>
</tr>
<tr>
<td>G</td>
<td>17.17 (436)</td>
<td>7.87 (200)</td>
<td>10.39 (264)</td>
<td>28.35 (719)</td>
</tr>
<tr>
<td>H</td>
<td>19.13 (486)</td>
<td>8.86 (225)</td>
<td>11.38 (289)</td>
<td>31.42 (798)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting Height</th>
<th>Bend Radius</th>
<th>Depot</th>
<th>Loop Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>KR</td>
<td>U_B</td>
<td>L_B</td>
</tr>
<tr>
<td>5.51 (140)</td>
<td>2.05 (52)</td>
<td>4.57 (116)</td>
<td>10.00 (254)</td>
</tr>
<tr>
<td>6.54 (166)</td>
<td>2.56 (65)</td>
<td>5.08 (129)</td>
<td>11.61 (295)</td>
</tr>
<tr>
<td>8.90 (226)</td>
<td>3.74 (95)</td>
<td>6.26 (159)</td>
<td>15.35 (389)</td>
</tr>
<tr>
<td>11.26 (286)</td>
<td>4.92 (125)</td>
<td>7.44 (189)</td>
<td>19.06 (484)</td>
</tr>
<tr>
<td>13.23 (336)</td>
<td>5.91 (150)</td>
<td>8.43 (214)</td>
<td>22.13 (562)</td>
</tr>
<tr>
<td>15.59 (396)</td>
<td>7.09 (180)</td>
<td>9.61 (244)</td>
<td>25.87 (656)</td>
</tr>
<tr>
<td>17.17 (436)</td>
<td>7.87 (200)</td>
<td>10.39 (264)</td>
<td>28.35 (719)</td>
</tr>
<tr>
<td>19.13 (486)</td>
<td>8.86 (225)</td>
<td>11.38 (289)</td>
<td>31.42 (798)</td>
</tr>
</tbody>
</table>

**Total Machine Travel (L_s)**

- Extended: 1.79 (45.5)

**Moving End**

- Fixed End

- Extended End

- Retracted End

- Link Pitch

- Chain Length Required

- Chain Length Required

- Additional Load

- Self-Supporting Lengths

- UnsUPPORTED LENGTH:

- 1.64 3.28 4.92 6.56 8.20 9.84 11.48 ft

- Additional Load

- Lbs kg

- 0.5 1.0 1.5 2.0 2.5 3.0 3.5 m

- For more information on extended travel systems, see pages 02.27 - 02.36

**How To Order**

1-800-443-4216

**Number of Systems Req.**

**x**

**Carrier Type**

**+**

**Carrier Design**

**+**

**Cavity Width (Bi)**

**+**

**Bend Radius**

**x**

**# of Links**

**Length**

**+**

**Type & Position Brackets**

**+**

**Dividers (#vert / #horz)**

20 x 1455 030 078 180 x 90 Links + FH/MH + 3v/0h

Specifications are subject to change without notice.
Specifications are subject to change without notice.

**KSA-L15015-GC-A**

**BASIC-LINE**

---

**Series**

**1555**

**Design 030/040**

### Technical Data

**Mounting Height**

<table>
<thead>
<tr>
<th>Option A</th>
<th>Option B</th>
<th>Option C</th>
<th>Option D</th>
<th>Option E</th>
<th>Option F</th>
<th>Option G</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>H</td>
<td>H</td>
<td>H</td>
<td>H</td>
<td>H</td>
<td>H</td>
</tr>
<tr>
<td>6.93 (176)</td>
<td>8.27 (210)</td>
<td>9.84 (250)</td>
<td>11.81 (300)</td>
<td>14.57 (370)</td>
<td>17.72 (450)</td>
<td>20.08 (510)</td>
</tr>
</tbody>
</table>

**Bend Radius**

<table>
<thead>
<tr>
<th>Option A</th>
<th>Option B</th>
<th>Option C</th>
<th>Option D</th>
<th>Option E</th>
<th>Option F</th>
<th>Option G</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.48 (63)</td>
<td>3.15 (80)</td>
<td>3.94 (100)</td>
<td>4.92 (125)</td>
<td>6.30 (160)</td>
<td>7.87 (200)</td>
<td>9.06 (230)</td>
</tr>
</tbody>
</table>

**Depot Length**

<table>
<thead>
<tr>
<th>Option A</th>
<th>Option B</th>
<th>Option C</th>
<th>Option D</th>
<th>Option E</th>
<th>Option F</th>
<th>Option G</th>
</tr>
</thead>
<tbody>
<tr>
<td>U_B</td>
<td>U_B</td>
<td>U_B</td>
<td>U_B</td>
<td>U_B</td>
<td>U_B</td>
<td>U_B</td>
</tr>
<tr>
<td>5.67 (144)</td>
<td>6.34 (161)</td>
<td>7.13 (181)</td>
<td>8.11 (206)</td>
<td>9.49 (241)</td>
<td>11.06 (281)</td>
<td>12.24 (311)</td>
</tr>
</tbody>
</table>

**Loop Length**

<table>
<thead>
<tr>
<th>Option A</th>
<th>Option B</th>
<th>Option C</th>
<th>Option D</th>
<th>Option E</th>
<th>Option F</th>
<th>Option G</th>
</tr>
</thead>
<tbody>
<tr>
<td>L_B</td>
<td>L_B</td>
<td>L_B</td>
<td>L_B</td>
<td>L_B</td>
<td>L_B</td>
<td>L_B</td>
</tr>
<tr>
<td>12.17 (309)</td>
<td>14.25 (362)</td>
<td>16.73 (425)</td>
<td>19.84 (504)</td>
<td>24.17 (614)</td>
<td>29.13 (740)</td>
<td>32.83 (834)</td>
</tr>
</tbody>
</table>

---

**Self-Supporting Lengths**

<table>
<thead>
<tr>
<th>Length (ft/m)</th>
<th>Additional Load (lbs/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.4/2.5</td>
<td>12/4</td>
</tr>
<tr>
<td>12/4.5</td>
<td>16/5</td>
</tr>
<tr>
<td>16/7.5</td>
<td>20/6</td>
</tr>
<tr>
<td>20/8</td>
<td>24/8</td>
</tr>
</tbody>
</table>

**Extended Travel:**

When application travel exceeds the self-supporting length of the carrier, UNIFLEX Advanced carrier systems are designed to glide on themselves in a guide channel.

For more information on extended travel systems, see pages 02.27 - 02.36

---

**How To Order**

1-800-443-4216

Number of Systems Req. x Carrier Type  + Carrier Design + Cavity Width (Bi) + Bend Radius x # of Links + Type & Position Brackets + Dividers (vert/forz)

8 x 1555  040  125  125 x 53 Links + FU/MU + 3v1h

Specifications are subject to change without notice.

KSA-L15015-GC-A
Design 030 - opens on the outside radius

<table>
<thead>
<tr>
<th>Width</th>
<th>Chain Weight:</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1555.030.050</td>
<td>0.76 lbs/ft (1.13 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.030.075</td>
<td>0.83 lbs/ft (1.23 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.030.100</td>
<td>0.89 lbs/ft (1.32 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.030.125</td>
<td>0.95 lbs/ft (1.42 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.030.150</td>
<td>1.01 lbs/ft (1.51 kg/m)</td>
<td>1.97 (50)</td>
</tr>
</tbody>
</table>

Design 040 - opens on the inside radius

<table>
<thead>
<tr>
<th>Width</th>
<th>Chain Weight:</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1555.040.050</td>
<td>0.76 lbs/ft (1.13 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.040.075</td>
<td>0.83 lbs/ft (1.23 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.040.100</td>
<td>0.89 lbs/ft (1.32 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.040.125</td>
<td>0.95 lbs/ft (1.42 kg/m)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>1555.040.150</td>
<td>1.01 lbs/ft (1.51 kg/m)</td>
<td>1.97 (50)</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.
Specifications are subject to change without notice.

KSA-L15015-GC-A

BASIC-LINE

UNIFLEX Advanced

Option A

Option B

Option C

Option D

Option E

Option F

Option G

How To Order

1-800-443-4216

Dimensions in inches (mm)

Mounting Height

Bend Radius

Depot

Loop Length

H

KR

UB

LB

Series

1665

Design 030/040

Calculation of Chain Length

\[ L_b = \text{total machine travel} = 3.14 \times KR + (2 \times t \text{ safety factor}) \]

\[ L_k = \text{chain length required} \]

\[ L_k = \frac{L_s}{2} + \text{length of the curve (L_B)} \]

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

Self-Supporting Lengths

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 02.27 - 02.36

Number of Systems Req. \times Carrier Type + Carrier Design + Cavity Width (B) + Bend Radius \times # of Links + Type & Position Brackets + Dividers (#vert / #horz)

50 \times 1665 \cdot 030 \cdot 125 \cdot 140 \times 38 \text{ Links} + \text{FA/MA} + 3v/2h

Specifications are subject to change without notice.
KSA-L15015-GC-A
**Design 030 - opens on the outside radius**

**Series 1665**

- **1665.030.050**
  - Chain Weight: 1.12 lbs/ft
    - (1.67 kg/m)
  - Dimensions: 2.83 in (72 mm)

- **1665.030.075**
  - Chain Weight: 1.21 lbs/ft
    - (1.80 kg/m)
  - Dimensions: 3.05 in (77 mm)

- **1665.030.100**
  - Chain Weight: 1.29 lbs/ft
    - (1.92 kg/m)
  - Dimensions: 3.27 in (83 mm)

- **1665.030.125**
  - Chain Weight: 1.38 lbs/ft
    - (2.06 kg/m)
  - Dimensions: 3.49 in (88 mm)

- **1665.030.150**
  - Chain Weight: 1.46 lbs/ft
    - (2.18 kg/m)
  - Dimensions: 3.71 in (94 mm)

- **1665.030.175**
  - Chain Weight: 1.55 lbs/ft
    - (2.31 kg/m)
  - Dimensions: 3.93 in (99 mm)

- **1665.030.200**
  - Chain Weight: 1.63 lbs/ft
    - (2.43 kg/m)
  - Dimensions: 4.14 in (105 mm)

- **1665.030.225**
  - Chain Weight: 1.73 lbs/ft
    - (2.57 kg/m)
  - Dimensions: 4.36 in (111 mm)

- **1665.030.250**
  - Chain Weight: 1.81 lbs/ft
    - (2.70 kg/m)
  - Dimensions: 4.58 in (116 mm)

**Design 040 - opens on the inside radius**

**Series 1665**

- **1665.040.050**
  - Chain Weight: 1.12 lbs/ft
    - (1.67 kg/m)
  - Dimensions: 1.97 in (50 mm)

- **1665.040.075**
  - Chain Weight: 1.21 lbs/ft
    - (1.80 kg/m)
  - Dimensions: 2.22 in (56 mm)

- **1665.040.100**
  - Chain Weight: 1.29 lbs/ft
    - (1.92 kg/m)
  - Dimensions: 2.47 in (63 mm)

- **1665.040.125**
  - Chain Weight: 1.38 lbs/ft
    - (2.06 kg/m)
  - Dimensions: 2.72 in (69 mm)

- **1665.040.150**
  - Chain Weight: 1.46 lbs/ft
    - (2.18 kg/m)
  - Dimensions: 2.97 in (75 mm)

- **1665.040.175**
  - Chain Weight: 1.55 lbs/ft
    - (2.31 kg/m)
  - Dimensions: 3.22 in (82 mm)

- **1665.040.200**
  - Chain Weight: 1.63 lbs/ft
    - (2.43 kg/m)
  - Dimensions: 3.47 in (88 mm)

- **1665.040.225**
  - Chain Weight: 1.73 lbs/ft
    - (2.57 kg/m)
  - Dimensions: 3.72 in (94 mm)

- **1665.040.250**
  - Chain Weight: 1.81 lbs/ft
    - (2.70 kg/m)
  - Dimensions: 3.97 in (100 mm)

---

**Mounting Brackets**
For drawings and dimensions of available mounting bracket options: See pages 07.12 - 07.14

**Cavity Partitioning**
For drawings and dimensions of available cavity partitioning options: See pages 07.10 - 07.11

**Design 20 with non-opening links also available**
Perfect for use with surging, high-pressure hoses... Special order - consult factory.

---

Need help? **1-800-443-4216** or **www.kabelschlepp.com**
Fixing of the dividers

In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section (Version A).

Fixed dividers are available for applications with transverse accelerations and where the carrier is rotated 90° for side mound operation (Version B). If the fixed installation version is desired, please state this on the order.

**Version A (Standard)**

Divider movable

**Version B**

Divider fixed in 2.5 mm steps

With fixed dividers, fixing is by means of arresting cams in the foot of the divider.

### Divider system TS 0

<table>
<thead>
<tr>
<th>Type</th>
<th>$h_1$</th>
<th>$S_T$</th>
<th>$a_T \min$</th>
<th>$a_x \min$</th>
<th>$S_T$</th>
<th>$a_T \min$</th>
<th>$a_x \min$</th>
<th>$a_x \sec$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1455</td>
<td>1.02</td>
<td>0.08</td>
<td>0.14</td>
<td>0.28</td>
<td>0.08</td>
<td>0.16/0.20*</td>
<td>0.30</td>
<td>0.10</td>
</tr>
<tr>
<td>1555</td>
<td>1.50</td>
<td>0.10</td>
<td>0.20</td>
<td>0.39</td>
<td>0.10</td>
<td>0.20</td>
<td>0.39</td>
<td>0.10</td>
</tr>
<tr>
<td>1665</td>
<td>1.73</td>
<td>0.12</td>
<td>0.20</td>
<td>0.39</td>
<td>0.12</td>
<td>0.20</td>
<td>0.39</td>
<td>0.10</td>
</tr>
</tbody>
</table>

* $a_T \min = 0.16$ in for $B_i = 1.50, 2.28, 3.07, 4.06$
* $a_T \min = (4 \text{ mm})$ for $B_i = (38), (58), (78), (103)$
* $a_T \min = 0.20$ for $B_i = 0.98$
* $a_T \min = (5 \text{ mm})$ for $B_i = (25)$

### Divider system TS 1 for Design 030/040

with continuous height subdivision made of aluminum

<table>
<thead>
<tr>
<th>Type</th>
<th>$h_1$</th>
<th>$S_T$</th>
<th>$a_T \min$</th>
<th>$a_x \min$</th>
<th>$S_T$</th>
<th>$a_T \min$</th>
<th>$a_x \min$</th>
<th>$a_x \sec$</th>
<th>$S_H$</th>
<th>$h_1$</th>
<th>$h_2$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1455</td>
<td>1.02</td>
<td>0.08</td>
<td>0.14</td>
<td>0.28</td>
<td>0.08</td>
<td>0.16/0.20*</td>
<td>0.30</td>
<td>0.10</td>
<td>0.08</td>
<td>0.39</td>
<td>–</td>
</tr>
<tr>
<td>1555</td>
<td>1.50</td>
<td>0.10</td>
<td>0.20</td>
<td>0.39</td>
<td>0.10</td>
<td>0.20</td>
<td>0.39</td>
<td>0.10</td>
<td>0.16</td>
<td>0.55</td>
<td>–</td>
</tr>
<tr>
<td>1665</td>
<td>1.73</td>
<td>0.12</td>
<td>0.20</td>
<td>0.39</td>
<td>0.12</td>
<td>0.20</td>
<td>0.39</td>
<td>0.10</td>
<td>0.16</td>
<td>0.55</td>
<td>1.10</td>
</tr>
</tbody>
</table>

* $a_T \min = 0.16$ in for $B_i = 1.50, 2.28, 3.07, 4.06$
* $a_T \min = (4 \text{ mm})$ for $B_i = (38), (58), (78), (103)$
* $a_T \min = 0.20$ for $B_i = 0.98$
* $a_T \min = (5 \text{ mm})$ for $B_i = (25)$

Dimensions in inches (mm)

Specifications are subject to change without notice.
Divider system TS 3 with section subdivision, partitions made of plastic

<table>
<thead>
<tr>
<th>Type</th>
<th>( h_1 )</th>
<th>( S_T )</th>
<th>( a_T \text{ min} )</th>
<th>( a_x \text{ min} )</th>
<th>( S_H )</th>
<th>( h_1 )</th>
<th>( h_2 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>1455</td>
<td>1.02 (26)</td>
<td>0.20 (5)</td>
<td>0.14 (3.5)</td>
<td>0.28 (7)</td>
<td>0.09 (2.4)</td>
<td>0.39 (10)</td>
<td>–</td>
</tr>
<tr>
<td>1555</td>
<td>1.50 (38)</td>
<td>0.20 (5)</td>
<td>0.20 (5)</td>
<td>0.29 (10)</td>
<td>0.09 (2.4)</td>
<td>0.47 (12)</td>
<td>–</td>
</tr>
<tr>
<td>1665</td>
<td>1.73 (44)</td>
<td>0.31 (8)</td>
<td>0.20 (5)</td>
<td>0.39 (10)</td>
<td>0.16 (4.0)</td>
<td>0.55 (14)</td>
<td>1.10 (28)</td>
</tr>
</tbody>
</table>

Dimensions in inches (mm)

The dividers are fixed by the partitions, the complete divider system is movable.

Dimensions of the plastic partitions for TS 3

For type 1665, aluminum partitions in 1 mm width increments are available.

Types 1455 and 1555

<table>
<thead>
<tr>
<th>Type</th>
<th>( a_x ) (Center to center distance, dividers)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( S_Z ) (Center to center distance, dividers)</td>
</tr>
<tr>
<td></td>
<td>0.59 (15)</td>
</tr>
</tbody>
</table>

Dimensions in inches (mm)

Type 1665

<table>
<thead>
<tr>
<th>Type</th>
<th>( a_x ) (Center to center distance, dividers)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( S_Z ) (Center to center distance, dividers)</td>
</tr>
<tr>
<td></td>
<td>0.16 (4)</td>
</tr>
</tbody>
</table>

Dimensions in inches (mm)
Specifications are subject to change without notice.

KSA-L15015-GC-A

BASIC-LINE

07

UNIFLEX Advanced

Inside heights 20–44

Inside widths 25–250

For chain width Bi = 3.54" (90 mm) mounting brackets made of steel are available.

The dimensions of the fixed end and moving end bracket are identical.

1455, 1555, and 1665 Standard Mounting Bracket Options:

Connection dimensions for Type 1455
Connecting elements with strain relief combs on both sides

<table>
<thead>
<tr>
<th>Type</th>
<th>B_i</th>
<th>B_k</th>
<th>n_Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>1455...25</td>
<td>0.98 (25)</td>
<td>1.61 (41)</td>
<td>2</td>
</tr>
<tr>
<td>1455...38</td>
<td>1.50 (38)</td>
<td>2.13 (54)</td>
<td>3</td>
</tr>
<tr>
<td>1455...58</td>
<td>2.28 (58)</td>
<td>2.91 (74)</td>
<td>4</td>
</tr>
<tr>
<td>1455...78</td>
<td>3.07 (78)</td>
<td>3.70 (94)</td>
<td>6</td>
</tr>
<tr>
<td>1455...103</td>
<td>4.06 (103)</td>
<td>4.69 (119)</td>
<td>8</td>
</tr>
</tbody>
</table>

Dimensions in inches (mm)

The dimensions of the fixed end and moving end bracket are identical.

Connection dimensions for Type 1555
Connecting elements with strain relief combs on both sides

<table>
<thead>
<tr>
<th>Type</th>
<th>B_i</th>
<th>B_k</th>
<th>n_Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>1555...50</td>
<td>1.97 (50)</td>
<td>2.68 (68)</td>
<td>4</td>
</tr>
<tr>
<td>1555...75</td>
<td>2.95 (75)</td>
<td>3.66 (93)</td>
<td>6</td>
</tr>
<tr>
<td>1555...100</td>
<td>3.94 (100)</td>
<td>4.65 (118)</td>
<td>8</td>
</tr>
<tr>
<td>1555...125</td>
<td>4.92 (125)</td>
<td>5.63 (143)</td>
<td>10</td>
</tr>
<tr>
<td>1555...150</td>
<td>5.91 (150)</td>
<td>6.61 (168)</td>
<td>12</td>
</tr>
</tbody>
</table>

Dimensions in inches (mm)

For chain width B_i = 3.54" (90 mm) mounting brackets made of steel are available.

The dimensions of the fixed end and moving end bracket are identical.

Connection dimensions for Type 1665
Connecting elements with strain relief combs on both sides

<table>
<thead>
<tr>
<th>Type</th>
<th>B_i</th>
<th>B_k</th>
<th>n_Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>1665...50</td>
<td>1.97 (50)</td>
<td>2.63 (72)</td>
<td>4</td>
</tr>
<tr>
<td>1665...75</td>
<td>2.95 (75)</td>
<td>3.62 (97)</td>
<td>6</td>
</tr>
<tr>
<td>1665...100</td>
<td>3.94 (100)</td>
<td>4.80 (122)</td>
<td>8</td>
</tr>
<tr>
<td>1665...125</td>
<td>4.92 (125)</td>
<td>5.79 (147)</td>
<td>10</td>
</tr>
<tr>
<td>1665...150</td>
<td>5.91 (150)</td>
<td>6.77 (172)</td>
<td>12</td>
</tr>
<tr>
<td>1665...175</td>
<td>6.89 (175)</td>
<td>7.76 (197)</td>
<td>14</td>
</tr>
<tr>
<td>1665...200</td>
<td>7.97 (200)</td>
<td>8.74 (222)</td>
<td>16</td>
</tr>
<tr>
<td>1665...225</td>
<td>8.86 (225)</td>
<td>9.72 (247)</td>
<td>18</td>
</tr>
<tr>
<td>1665...250</td>
<td>9.84 (250)</td>
<td>10.71 (272)</td>
<td>20</td>
</tr>
</tbody>
</table>

Dimensions in inches (mm)
Strain relief devices for plastic connectors

**ZLK – A**
Connecting elements with integrated strain relief combs on both sides (ZLK – A)

**ZLK – L**
Connecting elements with screw-on type strain relief combs (ZLK – L)

The strain relief combs are generally supplied with the connecting elements. The combs are either clipped to the end connectors and bolted together with them, or screwed on at the desired intervals by using additional boreholes, behind the connecting elements.

---

**Types 1455, 1555 and 1665**

Connection variants

In the standard version, the brackets are mounted with the mounting surface on the outside radius (FA/MA).

When ordering please specify the desired bracket type and configuration.

The mounting bracket configuration can subsequently be altered simply by varying the bracket position.

Connection point

- **M** – Driven End
- **F** – Fixed End

Connection type

- **A** – Mounting surface outside (standard)
- **I** – Mounting surface inside
- **H** – Mounting surface, rotated 90° to the outside
- **K** – Mounting surface, rotated 90° to the inside
1455, 1555, and 1665 Universal Mounting Bracket (UMB) Options:

Universal mounting brackets
With plastic UMBs (Universal Mounting Brackets), you can easily connect the UNIFLEX from above, from below, or from the front of the bracket.

UNIFLEX 1455

UNIFLEX 1555

UNIFLEX 1665

The dimensions of the fixed end and moving end brackets are identical. When ordering please specify the bracket type and configuration FU/MU.
1455, 1555, and 1665 Glide Shoe Options: for use in long travel gliding applications

Replaceable glide shoes – the economical solution for gliding applications (Types 1455, 1555, 1665)

Replaceable glide shoes made of plastic
To extend the life of cable carriers in gliding operations KABELSCHLEPP supplies detachable, exchangeable glide shoes. Replaceable glide shoes are a very economical solution. When wear occurs only the glide shoes are replaced, and not the complete cable carrier.
Glide shoes are made of a highly wear-resistant, special material.

Chain height with glide shoes:
- 1455: \( h_G' = h_G + 0.10'' \) (2.5) = 1.52'' (38.5)
- 1555: \( h_G' = h_G + 0.12'' \) (3.0) = 2.09 (53)
- 1665: \( h_G' = h_G + 0.12'' \) (3.0) = 2.48 (63)

Minimum bend radii when using glide shoes:
- 1455: \( K_{R\text{min}} = 2.56'' \) (65 mm)
- 1555: \( K_{R\text{min}} = 2.15'' \) (80 mm)
- 1665: \( K_{R\text{min}} = 3.94'' \) (100 mm)

By means of a positive snap connection, the glide shoes sit firmly attached on the chain link.

Chain width with glide shoes:
- 1455: \( B_{E'F'} = b_i + 0.75'' \) (19)
- 1555: \( B_{E'F'} = b_i + 0.87'' \) (22)
- 1665: \( B_{E'F'} = b_i + 1.06'' \) (27)

1665 Extended Height Frame Stay Options: for use when extra cavity space is required

UNIFLEX Advanced 1665 Extended Height Frame Stay

The extended height frame stay can be used to reliably route cables and hoses with a very large diameter, such as vacuum hoses, where diameters are greater than the clearance height of the standard frame stay cavity.

- Different inside height options for different cable and hose diameters

Additional chambers for further cables
Routing of additional cables with small diameters such as electrical or hydraulic cables is also possible in the chambers under the main chamber. Dividers can be used for additional separation of the cables.

Do you need further information?
Please get in touch with us, we will be pleased to help you.
### 1455, 1555, and 1665 Strain Relief Options:

#### Strain relief devices

**One-sided strain relief combs made of plastic (UNIFLEX 1455)**

Cables can be fixed securely and simply using the **optional strain relief combs**.

The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-Rail.

Please state on the order whether strain relief combs are needed.

![Universal mounting bracket with strain relief comb](image1)

![One-sided strain relief comb](image2)

<table>
<thead>
<tr>
<th>Type</th>
<th>Bj</th>
<th>nz</th>
</tr>
</thead>
<tbody>
<tr>
<td>1455. .. .25</td>
<td>0.98</td>
<td>2</td>
</tr>
<tr>
<td>1455. .. .38</td>
<td>1.50</td>
<td>3</td>
</tr>
<tr>
<td>1455. .. .58</td>
<td>2.28</td>
<td>5</td>
</tr>
<tr>
<td>1455. .. .78</td>
<td>3.07</td>
<td>7</td>
</tr>
<tr>
<td>1455. .. .103</td>
<td>4.06</td>
<td>9</td>
</tr>
</tbody>
</table>

* nz = Number of teeth

#### Both-sided strain relief combs made of plastic (UNIFLEX 1555/1665)

The cables can be fixed securely and simply using the **optional strain relief combs**.

The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-Rail.

Please state on the order whether strain relief combs are needed.

![Universal mounting bracket with strain relief comb](image3)

![Both-sided strain relief comb](image4)

<table>
<thead>
<tr>
<th>Type</th>
<th>Bj</th>
<th>nz</th>
</tr>
</thead>
<tbody>
<tr>
<td>1555. .. .50</td>
<td>1.97</td>
<td>3</td>
</tr>
<tr>
<td>1555. .. .75</td>
<td>2.95</td>
<td>5</td>
</tr>
<tr>
<td>1555. .. .90</td>
<td>3.54</td>
<td>6</td>
</tr>
<tr>
<td>1555. .. .100</td>
<td>3.94</td>
<td>7</td>
</tr>
<tr>
<td>1555. .. .125</td>
<td>4.92</td>
<td>9</td>
</tr>
<tr>
<td>1555. .. .150</td>
<td>5.91</td>
<td>11</td>
</tr>
<tr>
<td>1665. .. .50</td>
<td>1.97</td>
<td>3</td>
</tr>
<tr>
<td>1665. .. .75</td>
<td>2.95</td>
<td>5</td>
</tr>
<tr>
<td>1665. .. .100</td>
<td>3.94</td>
<td>7</td>
</tr>
<tr>
<td>1665. .. .125</td>
<td>4.92</td>
<td>9</td>
</tr>
<tr>
<td>1665. .. .150</td>
<td>5.91</td>
<td>11</td>
</tr>
<tr>
<td>1665. .. .175</td>
<td>6.89</td>
<td>13</td>
</tr>
<tr>
<td>1665. .. .200</td>
<td>7.87</td>
<td>16</td>
</tr>
<tr>
<td>1665. .. .225</td>
<td>8.86</td>
<td>17</td>
</tr>
<tr>
<td>1665. .. .250</td>
<td>9.84</td>
<td>19</td>
</tr>
</tbody>
</table>

* on request  nz = Number of teeth on one side of the comb
Strain relief devices

C-rails for LineFix bracket clamps, SZL strain reliefs and clamps (UNIFLEX 1555/1665)

The optional C-rails are fixed by means of the universal mounting brackets and do not have to be screwed separately.

Please state in your order whether C-rails are needed.

Our LineFix strain reliefs are optimally suited for the C-rails (LineFix bracket clamps and other strain relief devices).