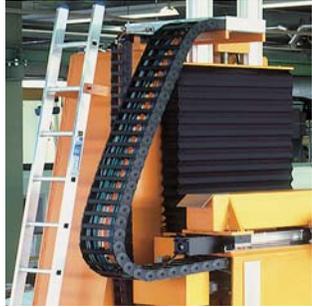


# UNIFLEX

toughest  
Toughest carrier in its class  
carrier in its class



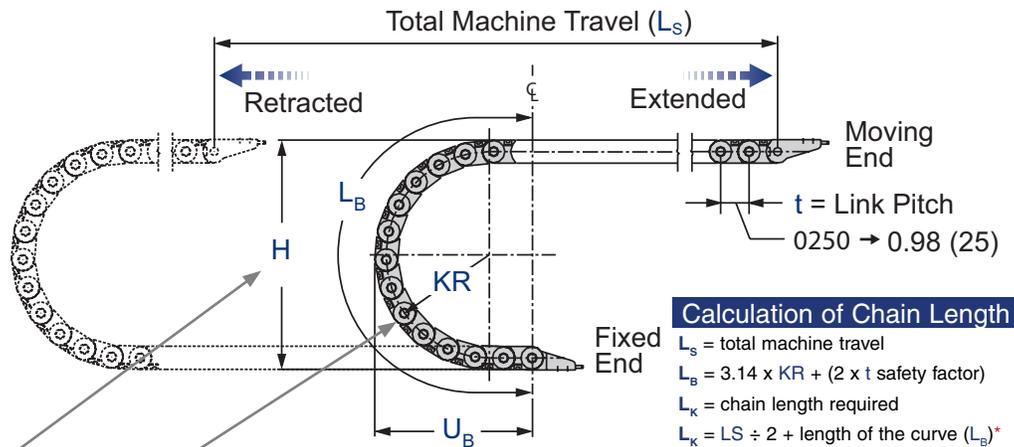
**KABELSCHLEPP**

## Key Features:

- Extremely durable fiber-reinforced nylon material
- Double stop system allows for industry leading self-supporting lengths under heavy loads
- Simple snap together link system for easy assembly
- Quick and easy cable & hose installation through hinged-opening links
- Snap-in nylon vertical and horizontal cable separation available
- Hinged-opening cavity bars, quick snap-shut closures
- Mounting brackets allow for surface or face mount connections
- Integral cable strain relief mounting brackets

## GENERAL DATA

<b>E</b>	<b>CONOMIC</b>
<b>V</b>	<b>ALUE</b>
<b>A</b>	<b>DDDD</b>
<b>6</b>	
<p>A product group's EVA score is a general indicator that allows a customer 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.</p>	
<p>Download 3D CAD files, videos, updated product info &amp; much more at:  <a href="http://www.kabelschlepp.com/uniflex.htm">www.kabelschlepp.com/uniflex.htm</a></p>	



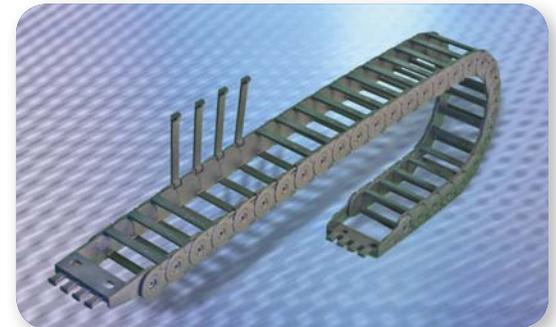
### Calculation of Chain Length

- $L_s$  = total machine travel
  - $L_b = 3.14 \times KR + (2 \times t \text{ safety factor})$
  - $L_k$  = chain length required
  - $L_k = L_s \div 2 + \text{length of the curve } (L_b)^*$
- \* Assumes the Fixed Point is located at the Center of the Total Machine Travel.

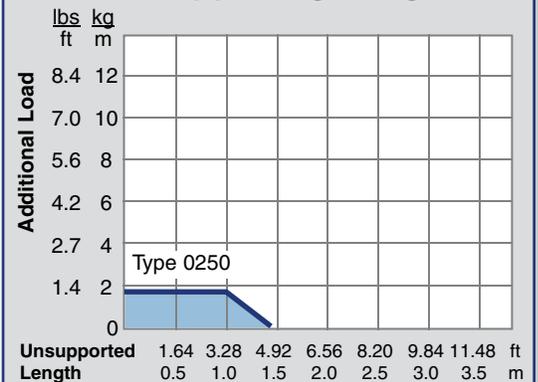
Dimensions in inches (mm)

## Technical Data

Series	Mounting Height	Bend Radius	Depot	Loop Length
0250 Design 030	H	KR	U <sub>B</sub>	L <sub>B</sub>
Option A	3.11 (79)	1.10 (28)	2.56 (65)	5.43 (138)
Option B	3.90 (99)	1.50 (38)	2.95 (75)	6.65 (169)
Option C	4.45 (113)	1.77 (45)	3.23 (82)	7.52 (191)
Option D	5.63 (143)	2.36 (60)	3.82 (97)	9.37 (238)
Option E	6.81 (173)	2.95 (75)	4.41 (112)	11.26 (286)
Option F	8.78 (223)	3.94 (100)	5.39 (137)	14.33 (364)



### 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 2.27-2.36



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

**10 x 0250 · 030 · 040 · 75 x 35 Links + FA/MI + 2v/0h**

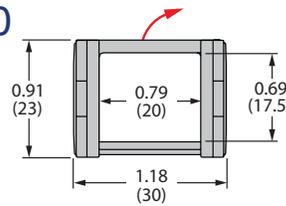
Specifications are subject to change without notice.  
 KS-1106-GC-A

Series  
**0250**

**Design 030** - opens on the outside radius

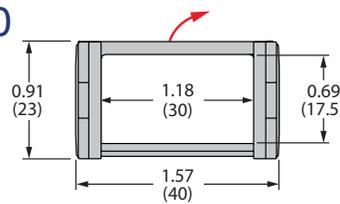
**0250.030.020**

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



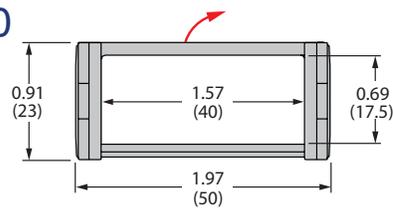
**0250.030.030**

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



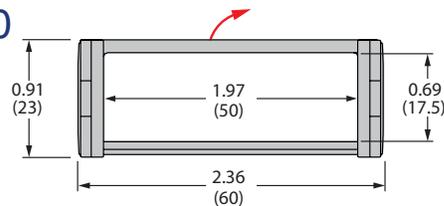
**0250.030.040**

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



**0250.030.050**

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



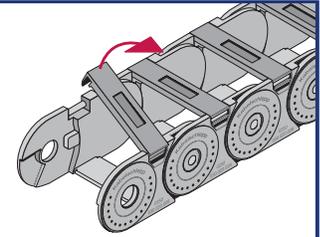
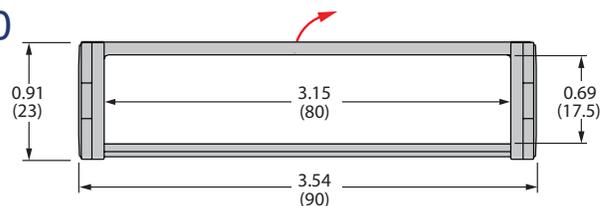
**0250.030.065**

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



**0250.030.080**

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



0250.030 open style design has hinged-opening bars that open on the outside radius for easy cable and/or hose installation and service.

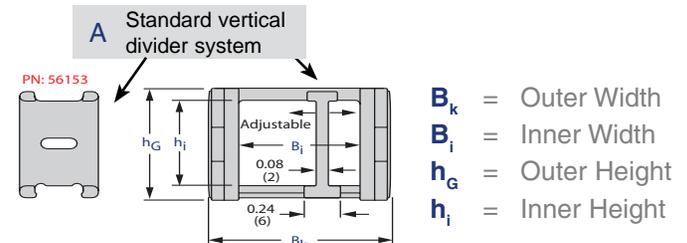
**Note:**

For drawings and dimensions of available mounting bracket options: See page 7.3



**Cavity Partition Options:**

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



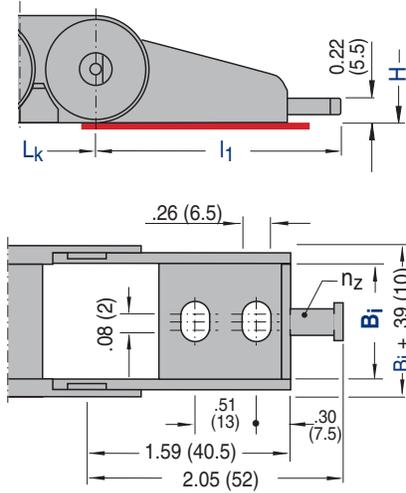


# Type 0250 Brackets with Strain Relief

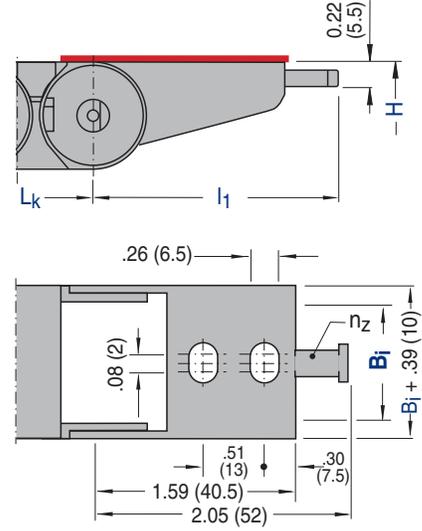
## Connection Dimensions

Brackets made of nylon with integral strain relief.

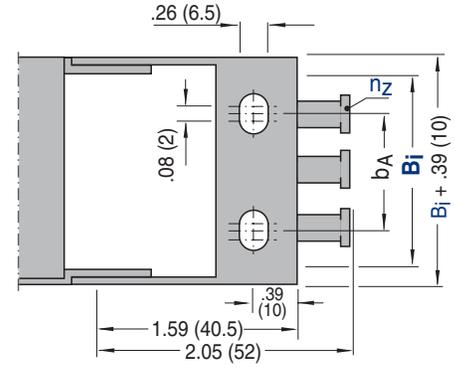
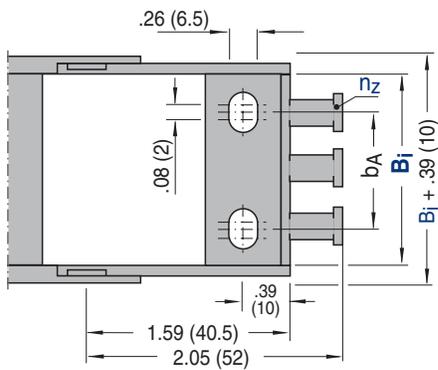
### ZLK-A Fixed End Bracket



### ZLK-A Moving End Bracket



For Chain Width:  $B_i = 0.79 (20)$



For Chain Widths:  $B_i = 1.18 (30) - 3.15 (80)$

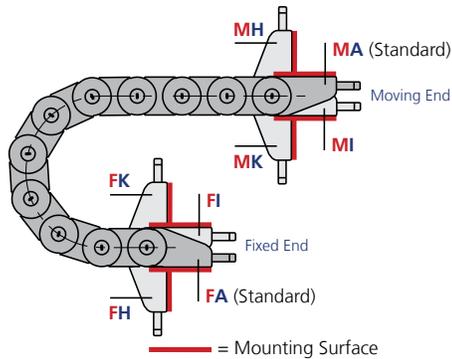
## 0250 Bracket Position Options

### 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



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.

Type	$B_i$ in (mm)	$B_k$ in (mm)	$b_A$ in (mm)	$n_Z$ # of tines
0250.30.20	0.79 (20)	1.18 (30)	—	1
0250.30.30	1.18 (30)	1.57 (40)	0.59 (15)	2
0250.30.40	1.57 (40)	1.97 (50)	0.91 (23)	3
0250.30.50	1.97 (50)	2.36 (60)	1.30 (33)	4
0250.30.65	2.56 (65)	2.95 (75)	2.95 (48)	5
0250.30.80	3.15 (80)	3.54 (90)	2.48 (63)	6

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

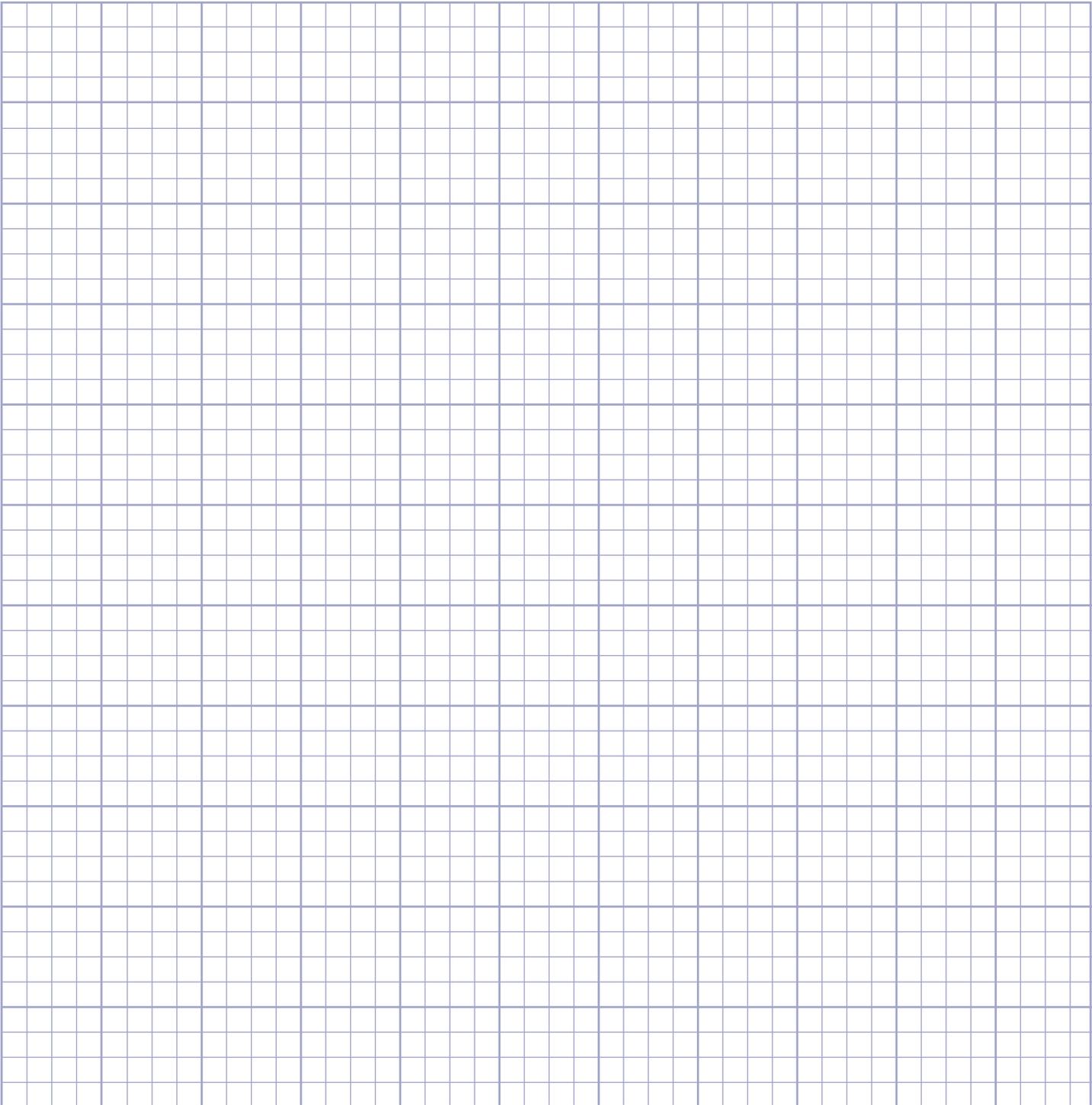


ZLK-A Moving End Bracket (with integral strain relief)



# DESIGN AND LAYOUT NOTES

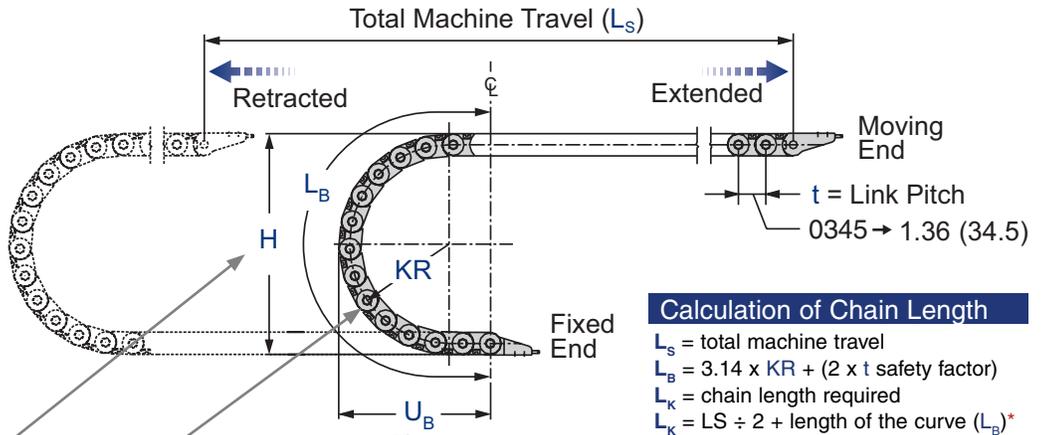
Name: _____	Date: _____
Dept.: _____	Phone: _____ Fax: _____
Company: _____	Machine Type/Name: _____
Address: _____	



## GENERAL DATA

<b>E</b>	<b>CONOMIC</b>
<b>V</b>	<b>ALUE</b>
<b>A</b>	<b>DDDD</b>
<b>6</b>	
<p>A product group's EVA score is a general indicator that allows a customer 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.</p>	
<p>Download 3D CAD files, videos, updated product info &amp; much more at:  <a href="http://www.kabelschlepp.com/uniflex.htm">www.kabelschlepp.com/uniflex.htm</a></p>	

Dimensions in inches (mm)

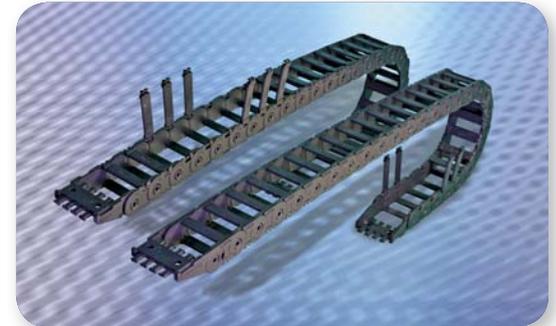


### Calculation of Chain Length

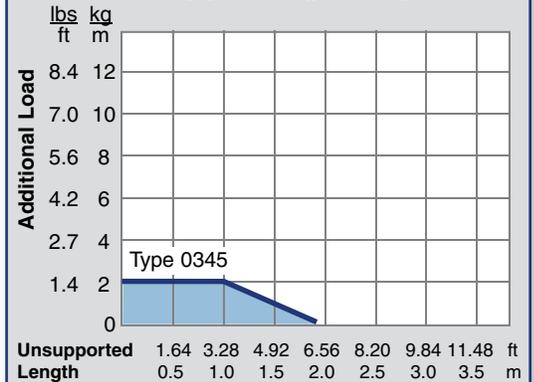
- $L_s$  = total machine travel
  - $L_B = 3.14 \times KR + (2 \times t \text{ safety factor})$
  - $L_K$  = chain length required
  - $L_K = L_s \div 2 + \text{length of the curve } (L_B)^*$
- \* Assumes the Fixed Point is located at the Center of the Total Machine Travel.

## Technical Data

Series	Mounting Height <b>H</b>	Bend Radius <b>KR</b>	Depot <b>U<sub>B</sub></b>	Loop Length <b>L<sub>B</sub></b>
<b>0345</b> Design 030/040				
Option A	4.09 (104)	1.50 (38)	3.43 (87)	7.40 (188)
Option B	5.04 (128)	1.97 (50)	3.90 (99)	8.90 (226)
Option C	7.01 (178)	2.95 (75)	4.88 (124)	12.01 (305)
Option D	8.98 (228)	3.94 (100)	5.87 (149)	15.08 (383)
Option E	10.94 (278)	4.92 (125)	6.85 (174)	18.19 (462)
Option F	12.91 (328)	5.91 (150)	7.83 (199)	21.26 (540)



### 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 2.27-2.36

**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)

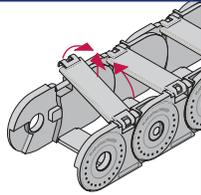
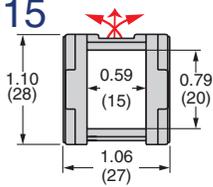
15 x 0345 · 040 · 038 · 100 x 72 Links + FAMU + 2v/2h

Specifications are subject to change without notice.  
KS-1106-GC-A

**Design 030** - opens on the outside radius **Series 0345**

**0345.030.015**

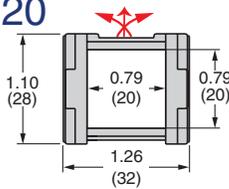
Chain Weight:  
0.29 lbs/ft  
(0.43 kg/m)



0345.030 open style design has hinged-opening bars that open from either side of the outside radius for easy cable and/or hose installation and service.

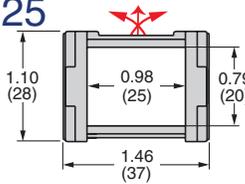
**0345.030.020**

Chain Weight:  
0.30 lbs/ft  
(0.45 kg/m)



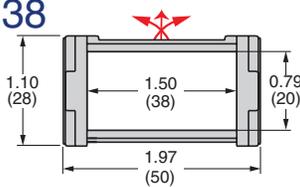
**0345.030.025**

Chain Weight:  
0.31 lbs/ft  
(0.46 kg/m)



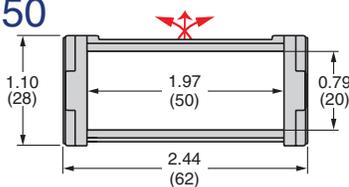
**0345.030.038**

Chain Weight:  
0.34 lbs/ft  
(0.50 kg/m)



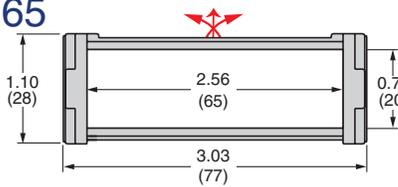
**0345.030.050**

Chain Weight:  
0.36 lbs/ft  
(0.53 kg/m)



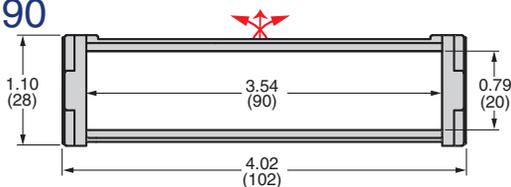
**0345.030.065**

Chain Weight:  
0.38 lbs/ft  
(0.57 kg/m)



**0345.030.090**

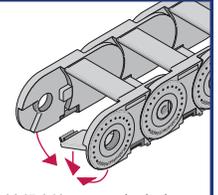
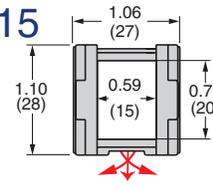
Chain Weight:  
0.48 lbs/ft  
(0.71 kg/m)



**Design 040** - opens on the inside radius **Series 0345**

**0345.040.015**

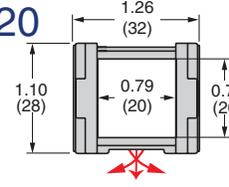
Chain Weight:  
0.29 lbs/ft  
(0.43 kg/m)



0345.040 open style design has hinged-opening bars that open from either side of the inside radius for easy cable and/or hose installation and service.

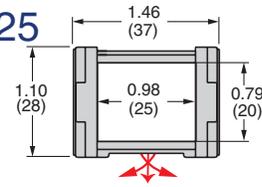
**0345.040.020**

Chain Weight:  
0.30 lbs/ft  
(0.45 kg/m)



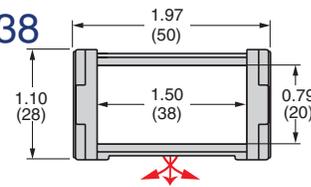
**0345.040.025**

Chain Weight:  
0.31 lbs/ft  
(0.46 kg/m)



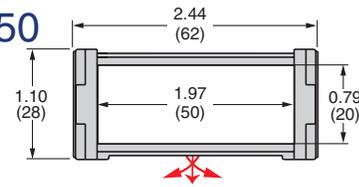
**0345.040.038**

Chain Weight:  
0.34 lbs/ft  
(0.50 kg/m)



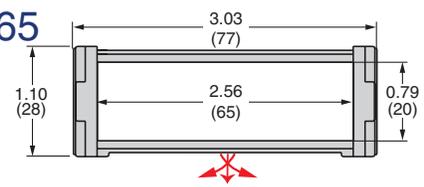
**0345.040.050**

Chain Weight:  
0.36 lbs/ft  
(0.53 kg/m)



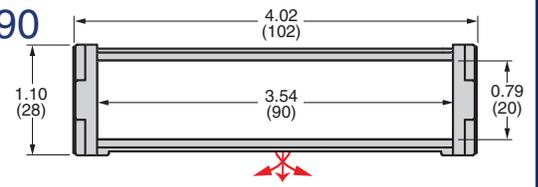
**0345.040.065**

Chain Weight:  
0.38 lbs/ft  
(0.57 kg/m)



**0345.040.090**

Chain Weight:  
0.48 lbs/ft  
(0.71 kg/m)



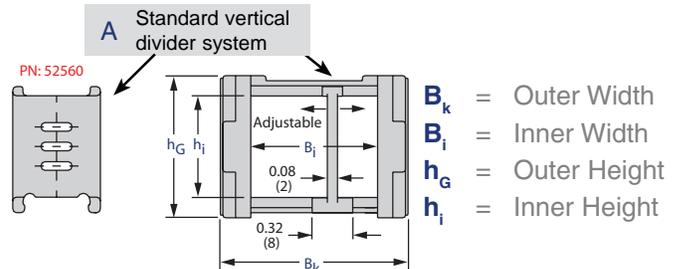
**Note:**

For drawings and dimensions of available mounting bracket options: See pages 7.8 - 7.9



**Cavity Partition Options:**

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



Specifications are subject to change without notice.  
KS-1106-GC-A

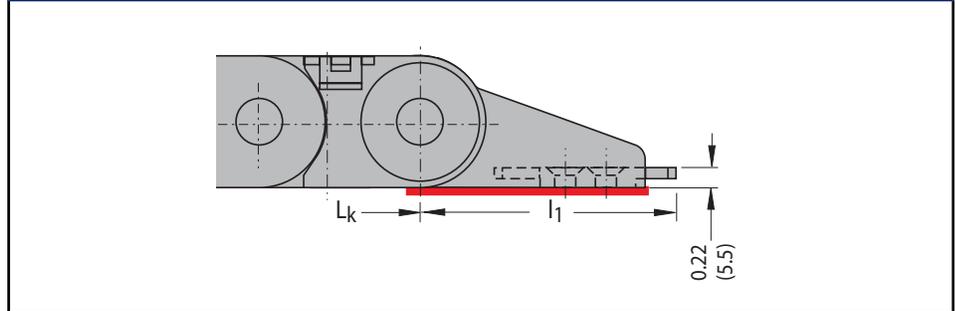


## Type 0345 Brackets with Strain Relief

### Connection Dimensions

Brackets made of nylon with integral strain relief.

## ZLK - A



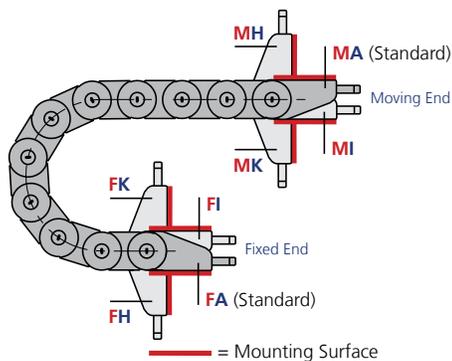
## 0345 Bracket Position Options

### 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
- U - Universal Bracket (not pictured, see opposite page)



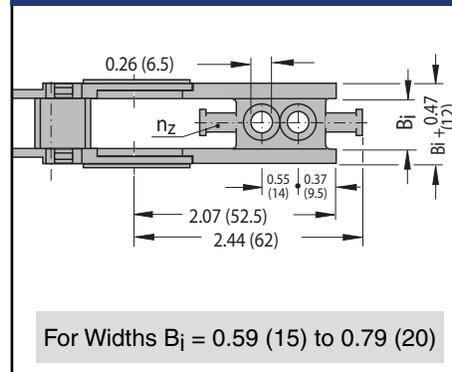
Please specify the desired bracket variant and position when ordering

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

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

## ZLK - A

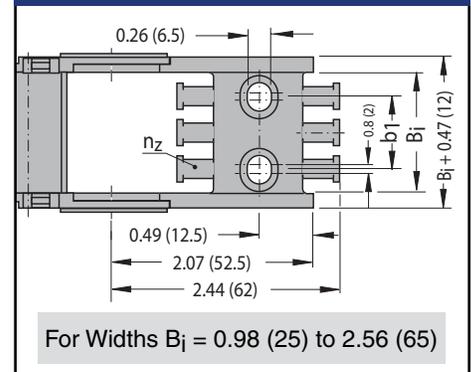
bracket with integral strain relief



For Widths  $B_i = 0.59 (15)$  to  $0.79 (20)$

## ZLK - A

bracket with integral strain relief



For Widths  $B_i = 0.98 (25)$  to  $2.56 (65)$

Type	$B_i$ in (mm)	$B_k$ in (mm)	$b_1$ in (mm)	$n_z$ # of times
0345. ... .15	0.59 (15)	1.06 (27)	—	1
0345. ... .20	0.79 (20)	1.26 (32)	—	1
0345. ... .25*	0.98 (25)	1.46 (37)	0.51 (13)	2
0345. ... .38	1.50 (38)	1.97 (50)	0.94 (24)	3
0345. ... .50	1.97 (50)	2.44 (62)	1.42 (36)	4
0345. ... .65	2.56 (65)	3.03 (77)	2.01 (51)	5

\* Type 0345. ... .25 with 0.26" (6.5 mm) bore hole (not a slotted hole)

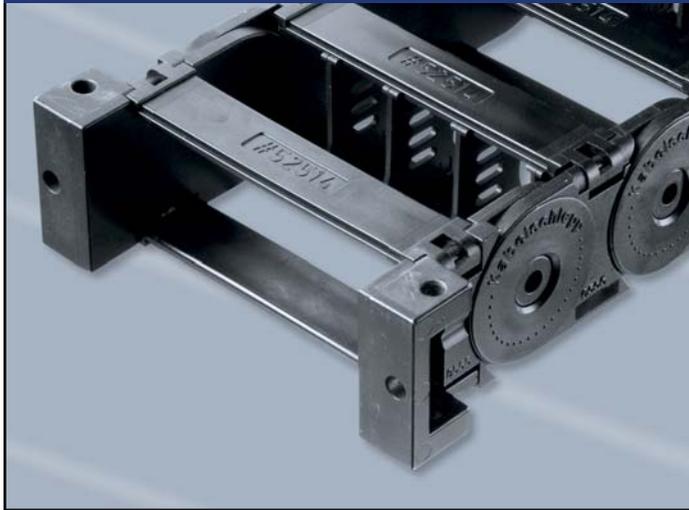
ZLK-A Fixed End Bracket (with integral strain relief)



ZLK-A Moving End Bracket (with integral strain relief)



## Type 0345 Universal Brackets



### Connection Details

Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility. (2 required per end)

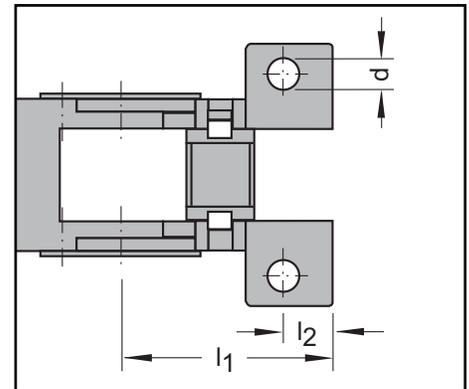
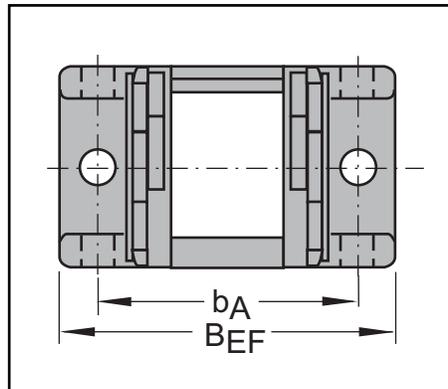
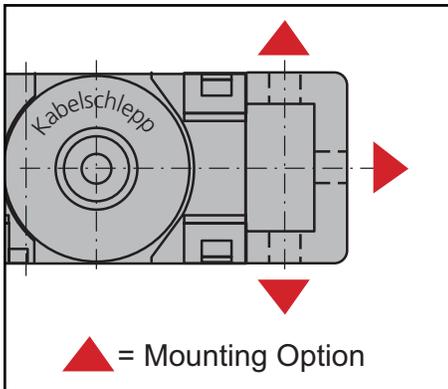
Universal Fixed End Bracket



Universal Moving End Bracket



Note: Universal Brackets are pictured with connecting bars (sold separately)



Note: The critical dimensions for the Fixed End and Moving End brackets are identical.

Type	B <sub>i</sub> in (mm)	B <sub>EF</sub> in (mm)	b <sub>A</sub> in (mm)	l <sub>1</sub> in (mm)	l <sub>2</sub> in (mm)	d in (mm)
0345. ....15	0.59 (15)	1.77 (45)	1.38 (35)	1.42 (36)	0.35 (9)	0.22 (5.5)
0345. ....20	0.79 (20)	1.97 (50)	1.57 (40)	1.42 (36)	0.35 (9)	0.22 (5.5)
0345. ....25	0.98 (25)	2.17 (55)	1.77 (45)	1.42 (36)	0.35 (9)	0.22 (5.5)
0345. ....38	1.50 (38)	2.68 (68)	2.28 (58)	1.42 (36)	0.35 (9)	0.22 (5.5)
0345. ....50	1.97 (50)	3.15 (80)	2.76 (70)	1.42 (36)	0.35 (9)	0.22 (5.5)
0345. ....65	2.56 (65)	3.74 (95)	3.35 (85)	1.42 (36)	0.35 (9)	0.22 (5.5)
0345. ....90	3.54 (90)	4.72 (120)	4.33 (110)	1.42 (36)	0.35 (9)	0.22 (5.5)

## 0345 Universal Bracket Position Options

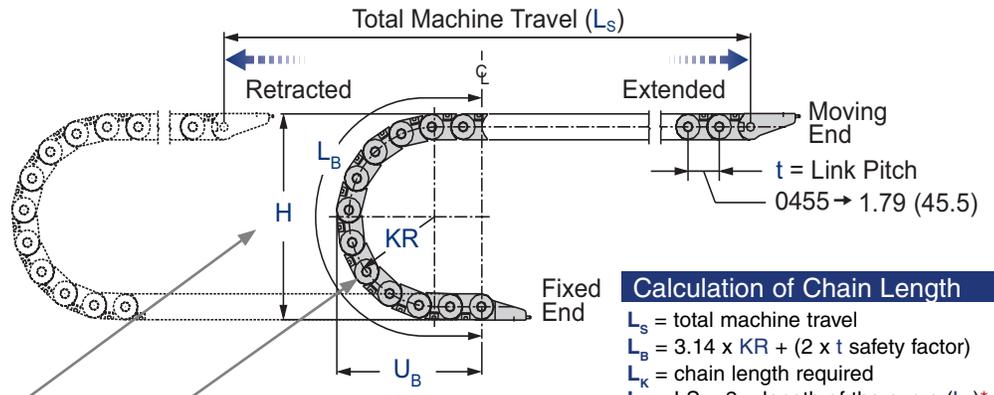
When specifying Universal Brackets, use the letter U for the Bracket Position designation of the assembly part number description.

Example: FU/MU

## GENERAL DATA

<b>E</b>	<b>CONOMIC</b>
<b>V</b>	<b>ALUE</b>
<b>A</b>	<b>DDED</b>
<b>6</b>	
<p>A product group's EVA score is a general indicator that allows a customer 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.</p>	
<p>Download 3D CAD files, videos, updated product info &amp; much more at:  <a href="http://www.kabelschlepp.com/uniflex.htm">www.kabelschlepp.com/uniflex.htm</a></p>	

Dimensions in inches (mm)



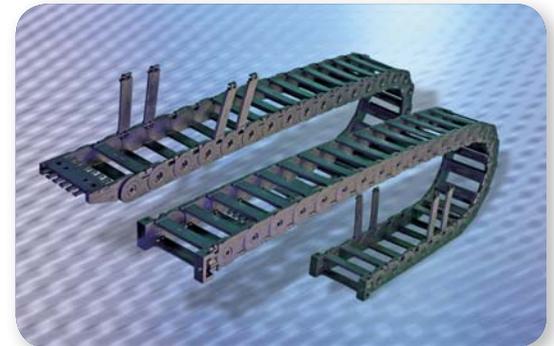
### Calculation of Chain Length

- $L_s$  = total machine travel
- $L_k = 3.14 \times KR + (2 \times t \text{ safety factor})$
- $L_B$  = chain length required
- $L_k = L_s \div 2 + \text{length of the curve } (L_B)^*$

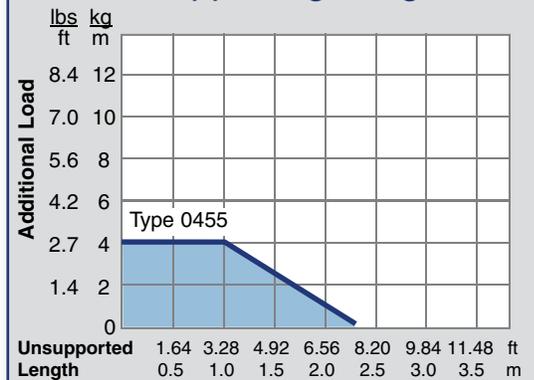
\* Assumes the Fixed Point is located at the Center of the Total Machine Travel.

## Technical Data

Series	Mounting Height <b>H</b>	Bend Radius <b>KR</b>	Depot <b>U<sub>B</sub></b>	Loop Length <b>L<sub>B</sub></b>
<b>0455</b> Design 030/040				
Option A	5.51 (140)	2.05 (52)	4.57 (116)	10.00 (254)
Option B	6.54 (166)	2.56 (65)	5.08 (129)	11.61 (295)
Option C	8.90 (226)	3.74 (95)	6.26 (159)	15.35 (390)
Option D	11.26 (286)	4.92 (125)	7.44 (189)	19.06 (484)
Option E	13.23 (336)	5.91 (150)	8.43 (214)	22.13 (562)
Option F	15.59 (396)	7.09 (180)	9.61 (244)	25.87 (657)
Option G	17.17 (436)	7.87 (200)	10.39 (264)	28.35 (720)
Option H	19.13 (486)	8.86 (225)	11.38 (289)	31.42 (798)



### 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 2.27-2.36

## 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)

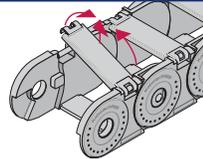
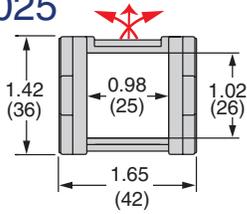
**20 x 0455 · 030 · 078 · 180 x 90 Links + FH/MH + 3v/0h**

Specifications are subject to change without notice.  
KS-1106-GC-A

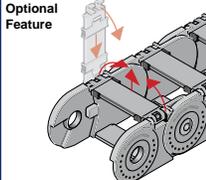
**Design 030 - opens on the outside radius** **Series 0455**

**0455.030.025**

Chain Weight:  
0.54 lbs/ft  
(0.81 kg/m)



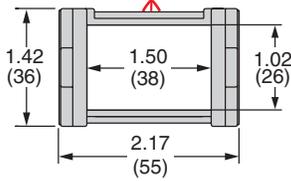
0455.030 open style design has hinged-opening bars that open from either side of the outside radius for easy cable and/or hose installation and service.



**Optional Feature**  
**035 Burst Proof Bar Clips**  
Special clips are available that securely lock the bar into position once closed. Contact factory for details.

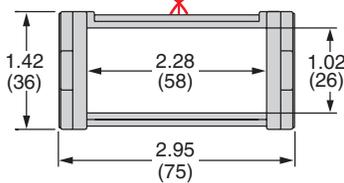
**0455.030.038**

Chain Weight:  
0.59 lbs/ft  
(0.88 kg/m)



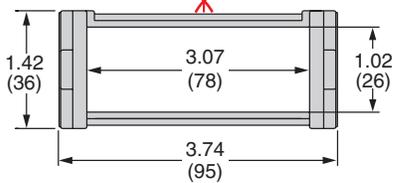
**0455.030.058**

Chain Weight:  
0.64 lbs/ft  
(0.95 kg/m)



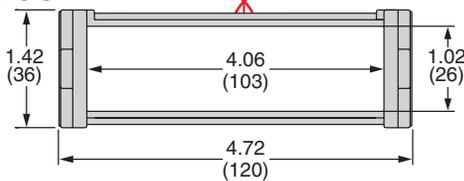
**0455.030.078**

Chain Weight:  
0.68 lbs/ft  
(1.02 kg/m)



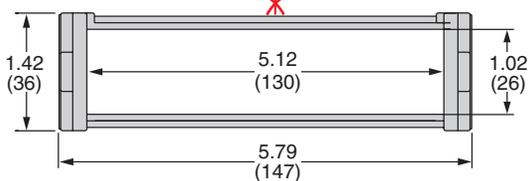
**0455.030.103**

Chain Weight:  
0.74 lbs/ft  
(1.15 kg/m)



**0455.030.130**

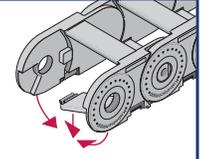
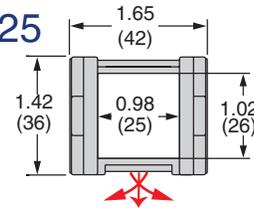
Chain Weight:  
0.85 lbs/ft  
(1.27 kg/m)



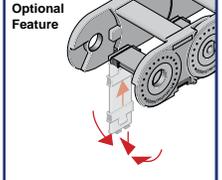
**Design 040 - opens on the inside radius** **Series 0455**

**0455.040.025**

Chain Weight:  
0.54 lbs/ft  
(0.81 kg/m)



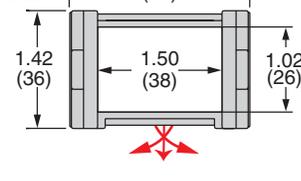
0455.040 open style design has hinged-opening bars that open from either side of the inside radius for easy cable and/or hose installation and service.



**Optional Feature**  
**045 Burst Proof Bar Clips**  
Special clips are available that securely lock the bar into position once closed. Contact factory for details.

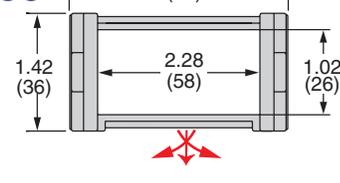
**0455.040.038**

Chain Weight:  
0.59 lbs/ft  
(0.88 kg/m)



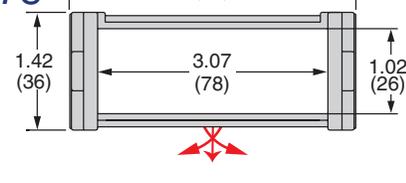
**0455.040.058**

Chain Weight:  
0.64 lbs/ft  
(0.95 kg/m)



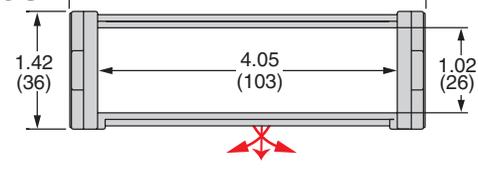
**0455.040.078**

Chain Weight:  
0.68 lbs/ft  
(1.02 kg/m)



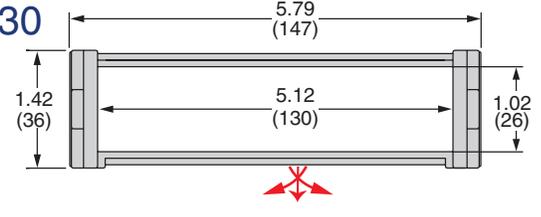
**0455.040.103**

Chain Weight:  
0.74 lbs/ft  
(1.15 kg/m)



**0455.040.130**

Chain Weight:  
0.85 lbs/ft  
(1.27 kg/m)



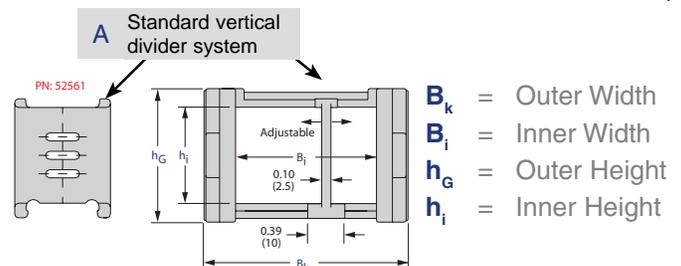
**Note:**

For drawings and dimensions of available mounting bracket options: See pages 7.14 - 7.15



**Cavity Partition Options:**

- A. Standard vertical dividers
- B. Snap-in vertical and horizontal partitions (see page 7.12)
- C. Custom: KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory

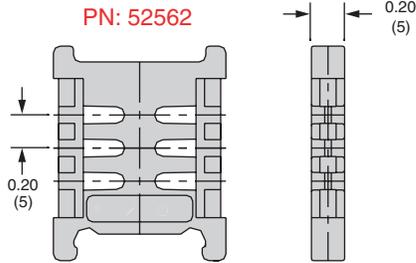




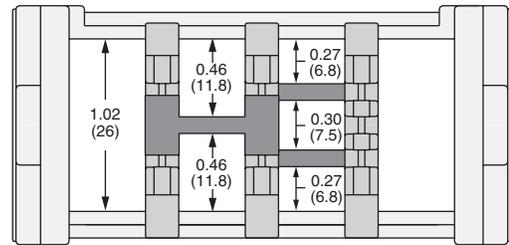
# Easy Snap-In Cavity Partitioning System for UNIFLEX Series 0455

When multiple cables/hoses or cables/hoses with different diameters are to be placed inside the same carrier system and require vertical stacking, a simple to install snap-in cavity partitioning system should be used. This system easily allows for varying carrier system cavity compartment heights (shelves) and widths (dividers) necessary to properly accommodate each cable or hose.

## 0455 Vertical Dividers



## 0455 Carrier Cavity Partition

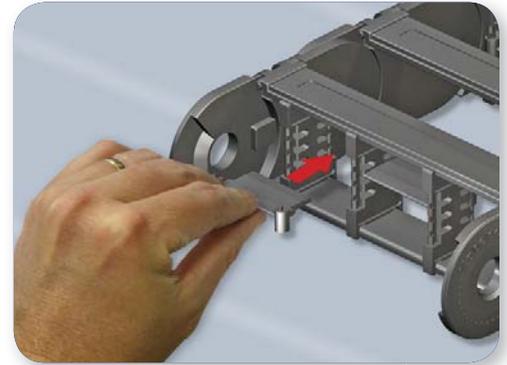
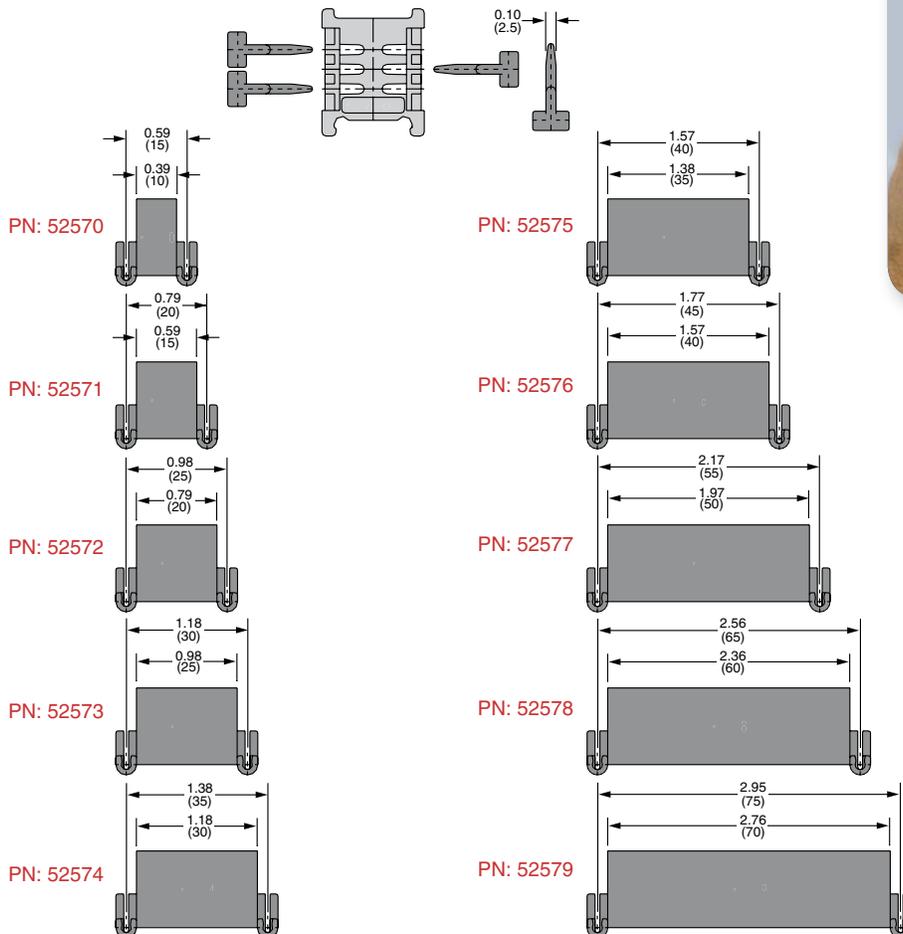


The carrier cavity width can be easily divided vertically - so cables or hoses can be safely separated side by side - next to one another. If small cables are to be stacked or cables with varying diameters are being used, the option to add horizontal shelving to properly accommodate these can be easily done by simply adding a shelf at the height desired. The various vertical levels that are available for the horizontal shelves are defined in this catalog section. The applicable kit component part numbers (dividers and shelves) are clearly identified.

## 0455 Horizontal Shelving - optional widths

UNIFLEX

7



## DESIGN AND LAYOUT NOTES

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Dept.: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Company: \_\_\_\_\_

Machine Type/Name: \_\_\_\_\_

Address: \_\_\_\_\_





## Type 0455 Brackets with Strain Relief

### Connection Dimensions

Brackets made of nylon with integral strain relief.

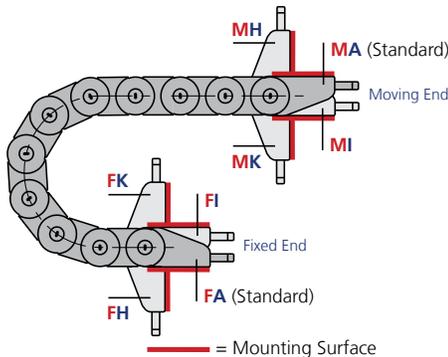
## 0455 Bracket Position Options

### 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
- U** - Universal Bracket (not pictured, see opposite page)

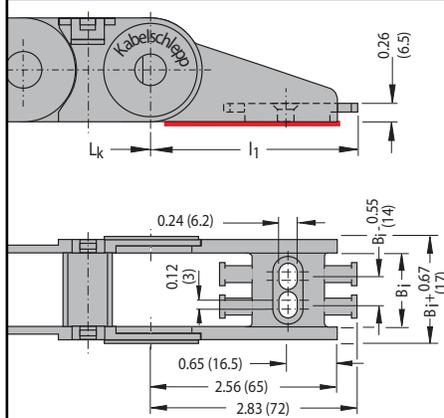


Please specify the desired bracket variant and position when ordering

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

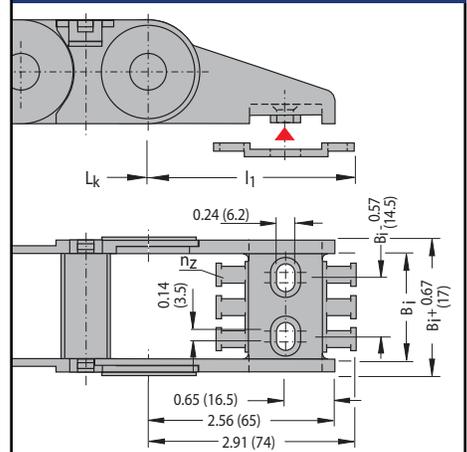
The bracket positions at the Fixed End and Moving End can be changed later if required.

## ZLK - A bracket with integral strain relief



For width  $B_i = 0.98$  (25)

## ZLK - L bracket with detachable and independently positionable strain relief



For widths  $B_i = 1.50$  (38) to 5.12 (130)

**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

Type	$B_i$ in (mm)	$B_k$ in (mm)	$n_z$ # of tines
0455 ... .25	0.98 (25)	1.65 (42)	2
0455 ... .38	1.50 (38)	2.17 (55)	3
0455 ... .58	2.28 (58)	2.95 (75)	4
0455 ... .78	3.07 (78)	3.74 (95)	6
0455 ... .103	4.06 (103)	4.72 (120)	8
0455 ... .130	5.12 (130)	5.79 (147)	10

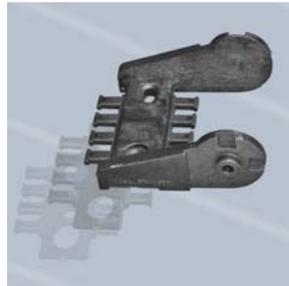
### ZLK-A Fixed End Bracket (with integral strain relief)



### ZLK-A Moving End Bracket (with integral strain relief)



### ZLK-L Fixed End Bracket (with detachable strain relief)



### ZLK-L Moving End Bracket (with detachable strain relief)



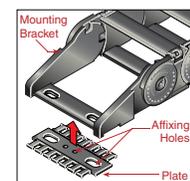
### ZLK-L Mounting Bracket Details

Mounting brackets with removable strain relief.

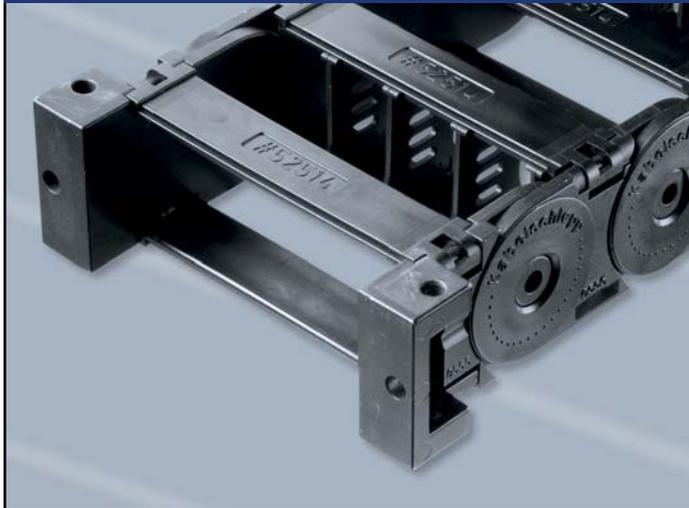
The mounting brackets are usually supplied with an integral strain relief plate.

This plate is either clamped on the underside of the mounting bracket or mounted separately from the mounting bracket in the desired position.

The dimensions of the strain relief affixing holes are identical to those of the mounting bracket!



## Type 0455 Universal Brackets



### Connection Details

Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

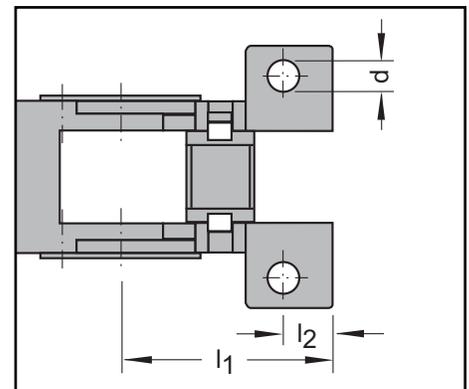
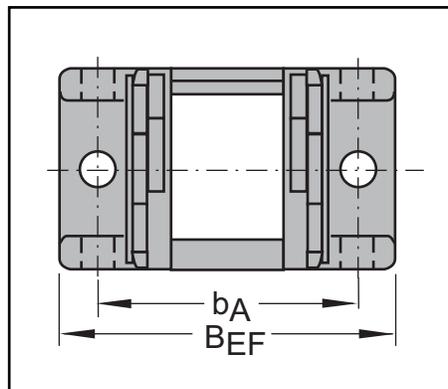
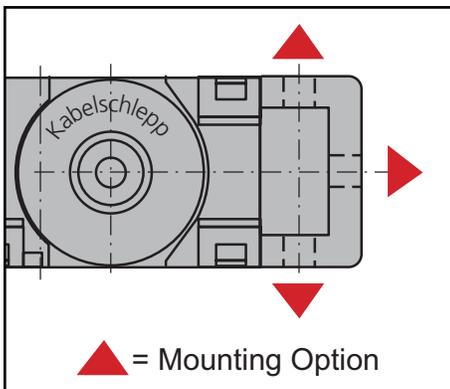
Universal Fixed End Bracket



Universal Moving End Bracket



**Note:** Universal Brackets are pictured with connecting bars (sold separately)



**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

Type	B <sub>i</sub> in (mm)	B <sub>EF</sub> in (mm)	b <sub>A</sub> in (mm)	l <sub>1</sub> in (mm)	l <sub>2</sub> in (mm)	d in (mm)
0455. ....25	0.98 (25)	2.17 (55)	1.77 (45)	1.85 (47)	0.41 (10.5)	0.22 (5.5)
0455. ....38	1.50 (38)	2.68 (68)	2.28 (58)	1.85 (47)	0.41 (10.5)	0.22 (5.5)
0455. ....58	2.28 (58)	3.46 (88)	3.07 (78)	1.85 (47)	0.41 (10.5)	0.22 (5.5)
0455. ....78	3.07 (78)	4.25 (108)	3.86 (98)	1.85 (47)	0.41 (10.5)	0.22 (5.5)
0455. ....103	4.06 (103)	5.24 (133)	4.84 (123)	1.85 (47)	0.41 (10.5)	0.22 (5.5)
0455. ....130	5.12 (130)	6.30 (160)	5.91 (150)	1.85 (47)	0.41 (10.5)	0.22 (5.5)

## 0455 Universal Bracket Position Options

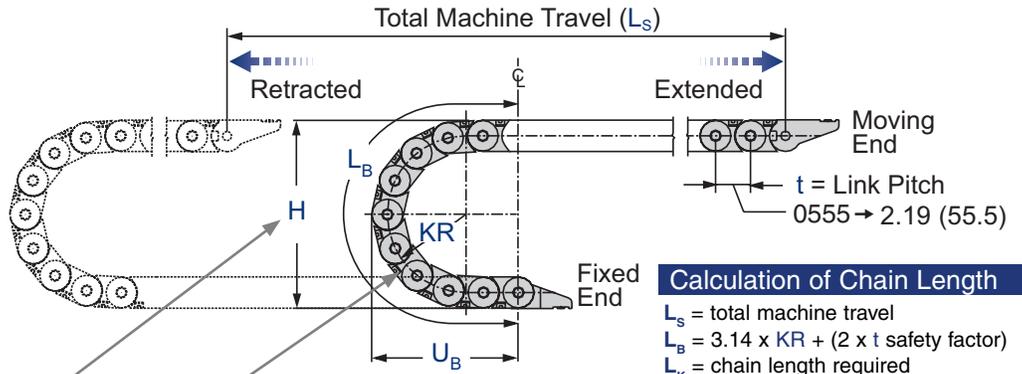
When specifying Universal Brackets, use the letter **U** for the Bracket Position designation of the assembly part number description.

**Example:** FU/MU

## GENERAL DATA

<b>E</b>	<b>CONOMIC</b>
<b>V</b>	<b>ALUE</b>
<b>A</b>	<b>DDED</b>
<b>6</b>	
<p>A product group's EVA score is a general indicator that allows a customer 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.</p>	
<p>Download 3D CAD files, videos, updated product info &amp; much more at:  <a href="http://www.kabelschlepp.com/uniflex.htm">www.kabelschlepp.com/uniflex.htm</a></p>	

Dimensions in inches (mm)



### Calculation of Chain Length

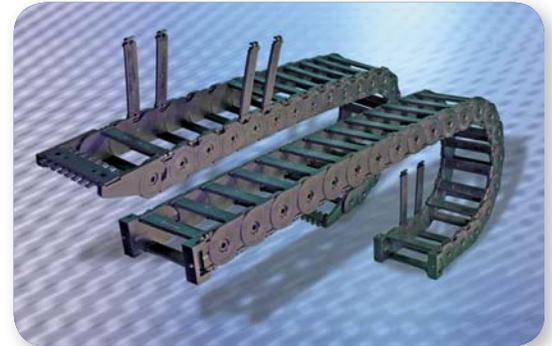
- $L_s$  = total machine travel
  - $L_b = 3.14 \times KR + (2 \times t \text{ safety factor})$
  - $L_k$  = chain length required
  - $L_k = L_s \div 2 + \text{length of the curve } (L_b)^*$
- \* Assumes the Fixed Point is located at the Center of the Total Machine Travel.

## Technical Data

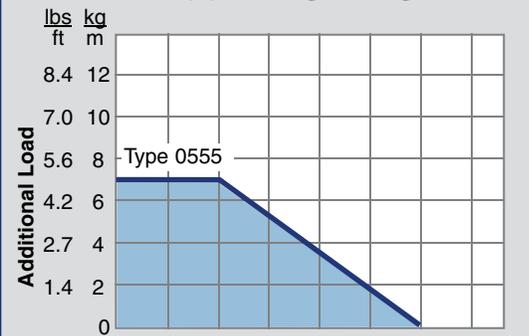
Series

**0555**  
Design 030/040

	Mounting Height <b>H</b>	Bend Radius <b>KR</b>	Depot <b>U<sub>B</sub></b>	Loop Length <b>L<sub>B</sub></b>
Option A	6.93 (176)	2.48 (63)	5.67 (144)	12.17 (309)
Option B	8.27 (210)	3.15 (80)	6.34 (161)	14.25 (362)
Option C	9.84 (250)	3.94 (100)	7.13 (181)	16.73 (425)
Option D	11.81 (300)	4.92 (125)	8.11 (206)	19.84 (504)
Option E	14.57 (370)	6.30 (160)	9.49 (241)	24.17 (614)
Option F	17.72 (450)	7.87 (200)	11.06 (281)	29.13 (740)
Option G	20.08 (510)	9.06 (230)	12.24 (311)	32.83 (834)



### Self-Supporting Lengths



Unsupported Length	1.64	3.28	4.92	6.56	8.20	9.84	11.48	ft
	0.5	1.0	1.5	2.0	2.5	3.0	3.5	m

#### 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 2.27-2.36



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

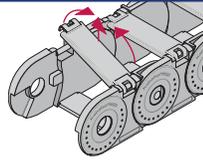
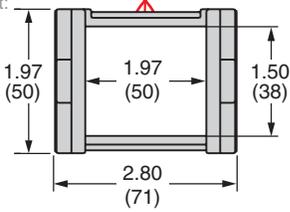
**8 x 0555 · 040 · 125 · 125 x 53 Links + FU/MU + 3v/1h**

Specifications are subject to change without notice.  
KS-1106-GC-A

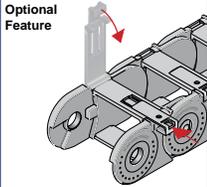
**Design 030** - opens on the outside radius **Series 0555**

**0555.030.050**

Chain Weight:  
0.99 lbs/ft  
(1.47 kg/m)



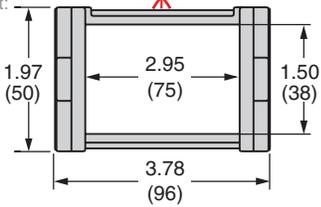
0555.030 open style design has hinged-opening bars that open from either side of the outside radius for easy cable and/or hose installation and service.



**035 Burst Proof Locking Bars**  
Special bars are available with a mechanism that securely locks the bar into position once closed. Contact factory for details.

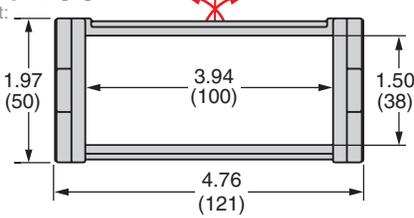
**0555.030.075**

Chain Weight:  
1.07 lbs/ft  
(1.60 kg/m)



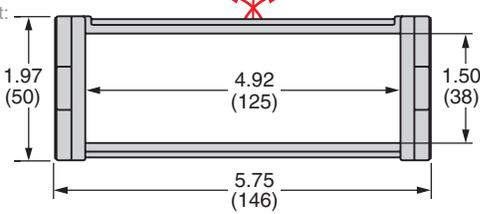
**0555.030.100**

Chain Weight:  
1.15 lbs/ft  
(1.72 kg/m)



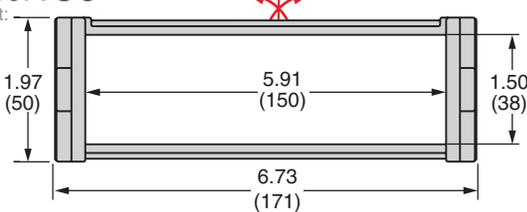
**0555.030.125**

Chain Weight:  
1.25 lbs/ft  
(1.86 kg/m)



**0555.030.150**

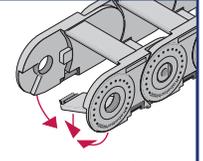
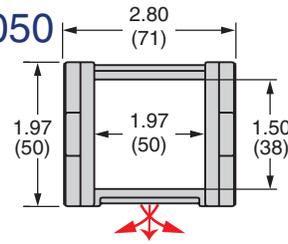
Chain Weight:  
1.21 lbs/ft  
(1.98 kg/m)



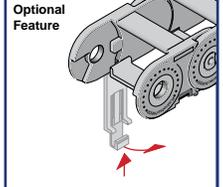
**Design 040** - opens on the inside radius **Series 0555**

**0555.040.050**

Chain Weight:  
0.99 lbs/ft  
(1.47 kg/m)



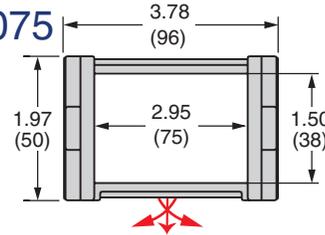
0555.040 open style design has hinged-opening bars that open from either side of the inside radius for easy cable and/or hose installation and service.



**045 Burst Proof Locking Bars**  
Special bars are available with a mechanism that securely locks the bar into position once closed. Contact factory for details.

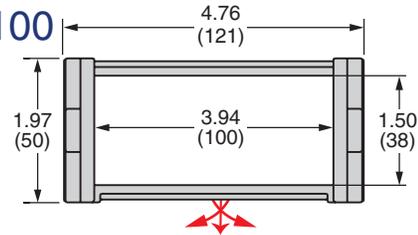
**0555.040.075**

Chain Weight:  
1.07 lbs/ft  
(1.60 kg/m)



**0555.040.100**

Chain Weight:  
1.15 lbs/ft  
(1.72 kg/m)



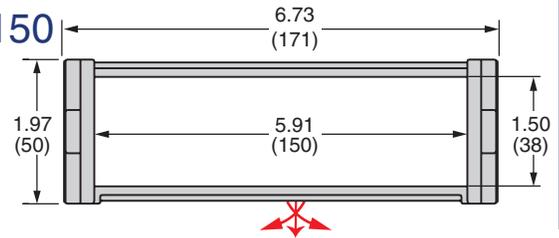
**0555.040.125**

Chain Weight:  
1.25 lbs/ft  
(1.86 kg/m)



**0555.040.150**

Chain Weight:  
1.21 lbs/ft  
(1.98 kg/m)



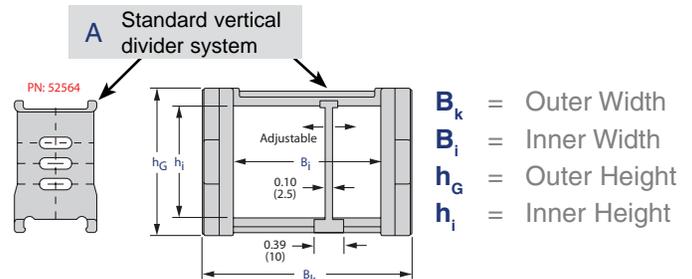
**Note:**

For drawings and dimensions of available mounting bracket options: See pages 7.20 - 7.21



**Cavity Partition Options:**

- A. Standard vertical dividers
- B. Snap-in vertical and horizontal partitions (see page 7.18)
- C. Custom: KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory



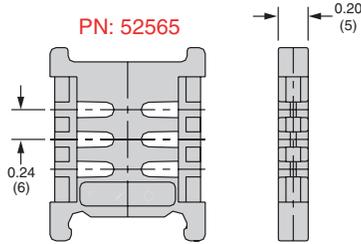
Specifications are subject to change without notice.  
KS-1106-GC-A



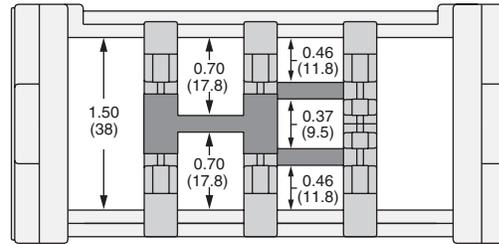
# Easy Snap-In Cavity Partitioning System for UNIFLEX Series 0555

When multiple cables/hoses or cables/hoses with different diameters are to be placed inside the same carrier system and require vertical stacking, a simple to install snap-in cavity partitioning system should be used. This system easily allows for varying carrier system cavity compartment heights (shelves) and widths (dividers) necessary to properly accommodate each cable or hose.

## 0555 Vertical Dividers

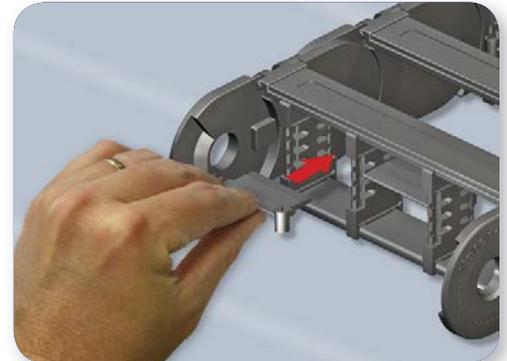
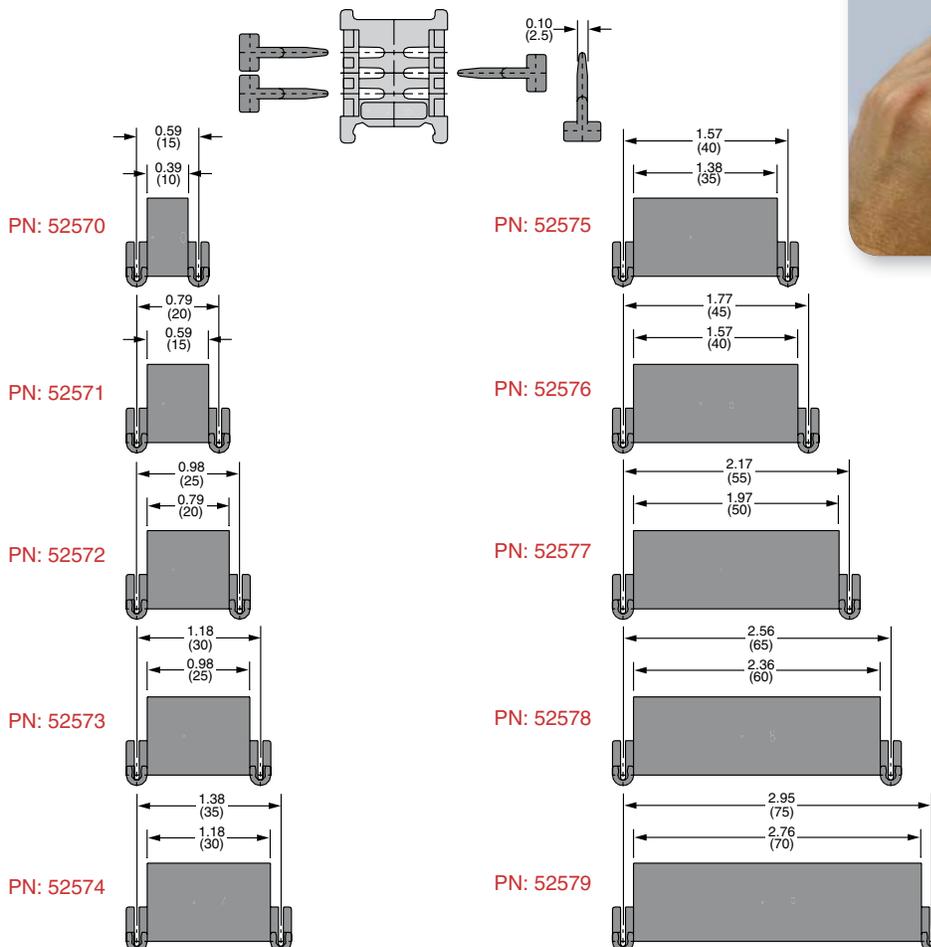


## 0555 Carrier Cavity



The carrier cavity width can be easily divided vertically - so cables or hoses can be safely separated side by side - next to one another. If small cables are to be stacked or cables with varying diameters are being used, the option to add horizontal shelving to properly accommodate these can be easily done by simply adding a shelf at the height desired. The various vertical levels that are available for the horizontal shelves are defined in this catalog section. The applicable kit component part numbers (dividers and shelves) are clearly identified.

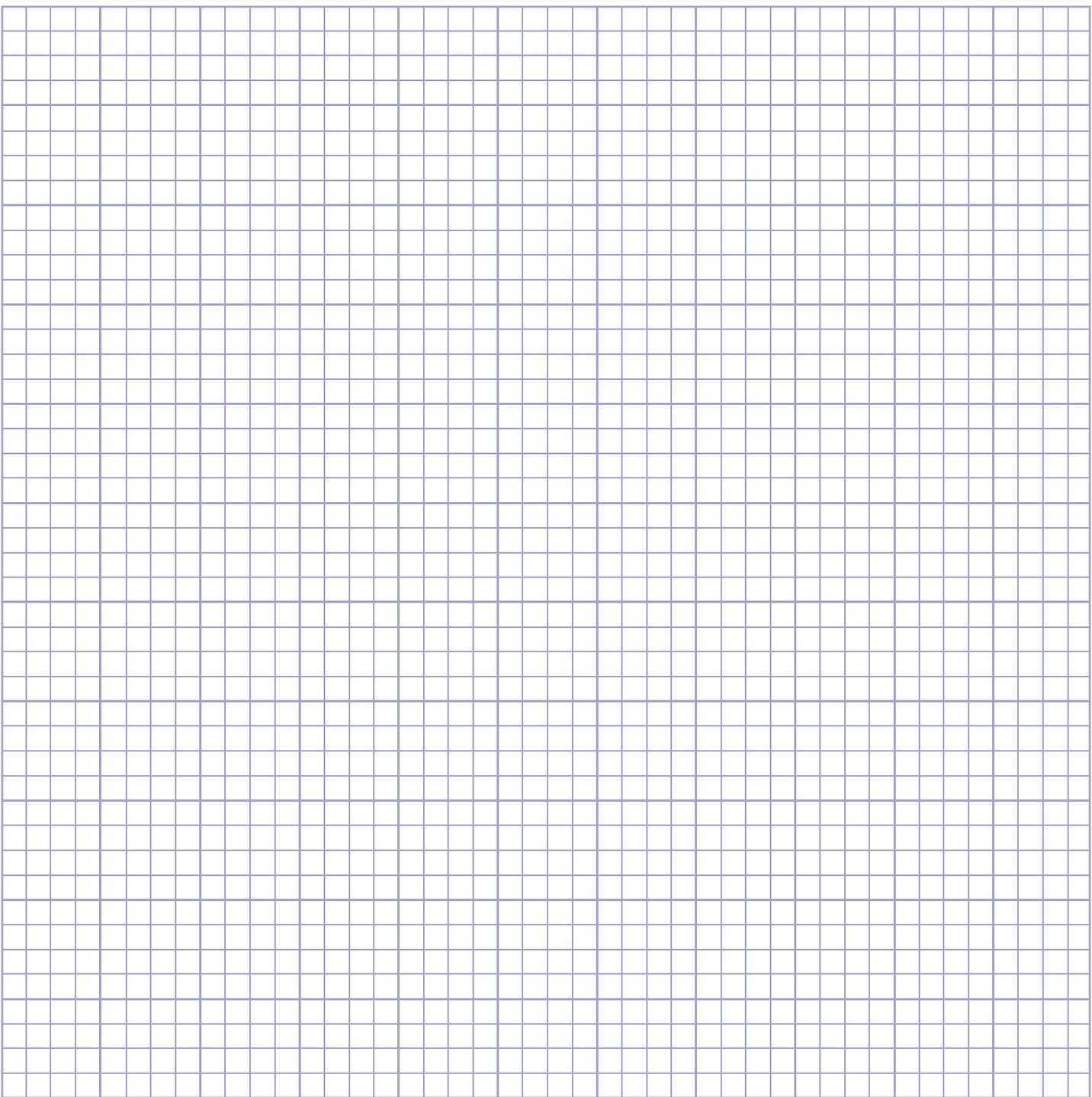
## 0555 Horizontal Shelving - optional widths





# DESIGN AND LAYOUT NOTES

Name: _____	Date: _____
Dept.: _____	Phone: _____ Fax: _____
Company: _____	Machine Type/Name: _____
Address: _____	



Specifications are subject to change without notice.  
KS-1106-GC-A



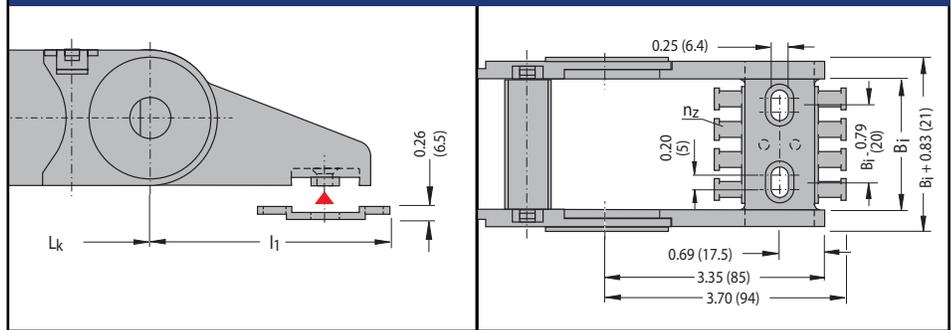
## Type 0555 Brackets with Strain Relief

### Connection Dimensions

Brackets made of nylon with ZLK-L detachable and independently positionable strain relief.

## ZLK - L

bracket with detachable and independently positionable strain relief



**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

## 0555 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

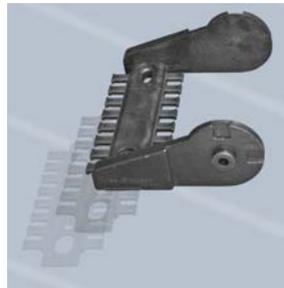
**H** - connecting surface turned 90° to the outside radius

**K** - connecting surface turned 90° to the inside radius

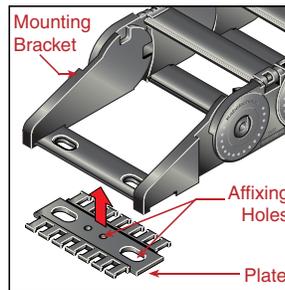
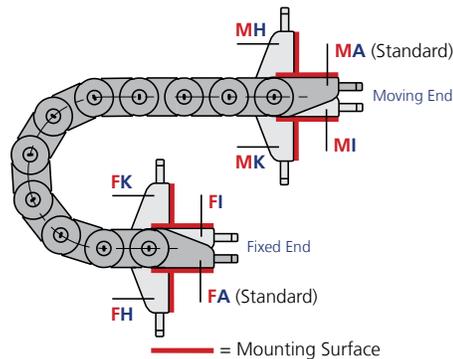
**U** - Universal Bracket (not pictured, see opposite page)

Type	B <sub>i</sub> in (mm)	B <sub>k</sub> in (mm)	n <sub>z</sub> # of tines
0555. ... .50	1.97 (50)	2.80 (71)	2
0555. ... .75	2.95 (75)	3.78 (96)	3
0555. ... .100	3.94 (100)	4.76 (121)	4
0555. ... .125	4.92 (125)	5.75 (146)	6
0555. ... .150	5.91 (150)	6.73 (171)	8

ZLK-L Fixed End Bracket (with detachable strain relief)



ZLK-L Moving End Bracket (with detachable strain relief)



## ZLK-L Mounting Bracket Details

Mounting brackets with removable strain relief.

The mounting brackets are usually supplied with an integral strain relief plate.

The plate is either clamped on the underside of the mounting bracket or mounted separately from the mounting bracket in the desired position.

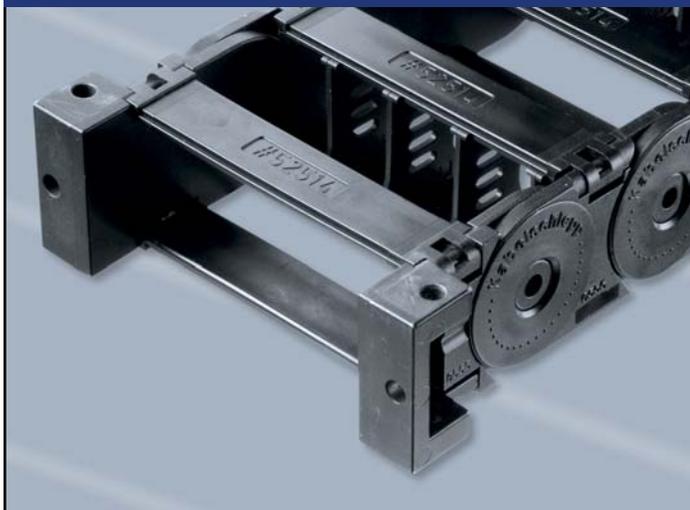
The dimensions of the strain relief affixing holes are identical to those of the mounting bracket!

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.

## Type 0555 Universal Brackets



### Connection Details

Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

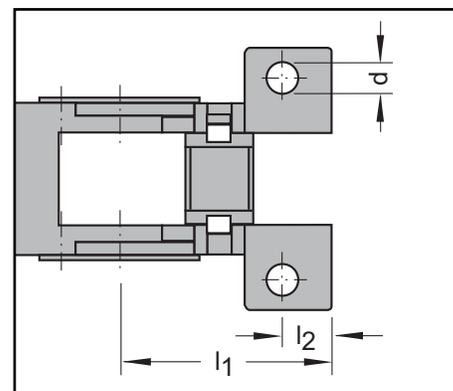
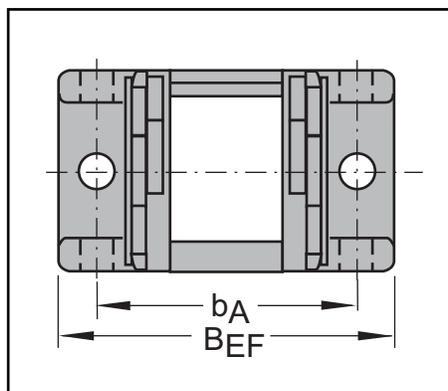
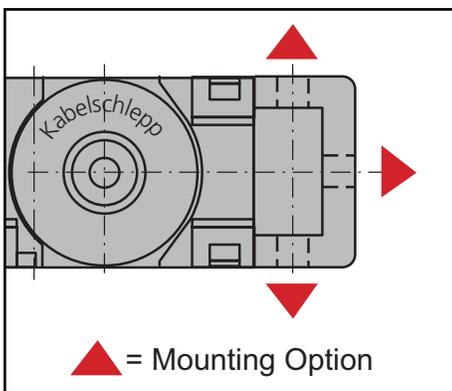
**Universal Fixed End Bracket**



**Universal Moving End Bracket**



**Note:** Universal Brackets are pictured with connecting bars (sold separately)



**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

Type	B <sub>i</sub> in (mm)	B <sub>EF</sub> in (mm)	b <sub>A</sub> in (mm)	l <sub>1</sub> in (mm)	l <sub>2</sub> in (mm)	d in (mm)
0555. .... .50	1.97 (50)	3.54 (90)	3.07 (78)	2.24 (57)	0.53 (13.5)	0.26 (6.5)
0555. .... .75	2.95 (75)	4.53 (115)	4.06 (103)	2.24 (57)	0.53 (13.5)	0.26 (6.5)
0555. .... .100	3.94 (100)	5.51 (140)	5.04 (128)	2.24 (57)	0.53 (13.5)	0.26 (6.5)
0555. .... .125	4.92 (125)	6.50 (165)	6.02 (153)	2.24 (57)	0.53 (13.5)	0.26 (6.5)
0555. .... .150	5.91 (150)	7.48 (190)	7.01 (178)	2.24 (57)	0.53 (13.5)	0.26 (6.5)

## 0555 Universal Bracket Position Options

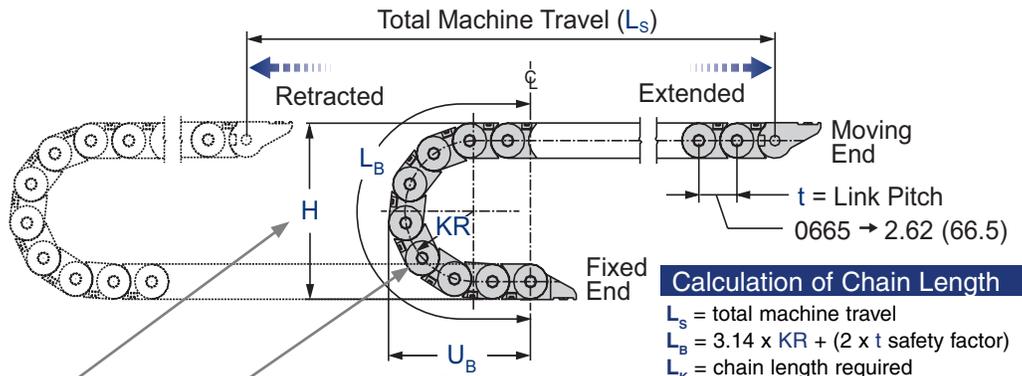
When specifying Universal Brackets, use the letter U for the Bracket Position designation of the assembly part number description.

**Example:** FU/MU

## GENERAL DATA

<b>E</b>	<b>CONOMIC</b>
<b>V</b>	<b>ALUE</b>
<b>A</b>	<b>DDDD</b>
<b>6</b>	
<p>A product group's EVA score is a general indicator that allows a customer 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.</p>	
<p>Download 3D CAD files, videos, updated product info &amp; much more at:  <a href="http://www.kabelschlepp.com/uniflex.htm">www.kabelschlepp.com/uniflex.htm</a></p>	

Dimensions in inches (mm)

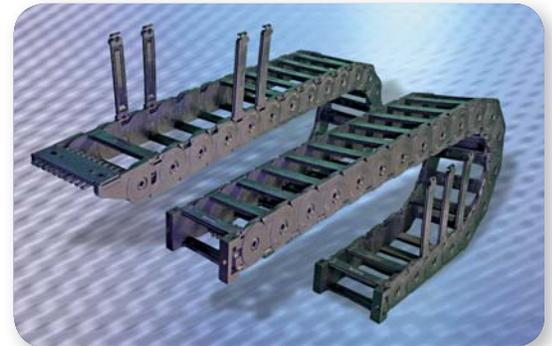


### Calculation of Chain Length

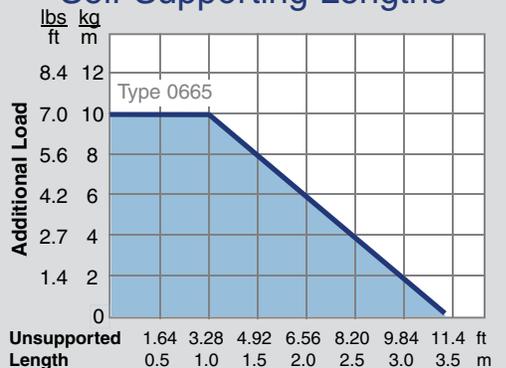
- $L_S$  = total machine travel
  - $L_B = 3.14 \times KR + (2 \times t \text{ safety factor})$
  - $L_K$  = chain length required
  - $L_K = L_S \div 2 + \text{length of the curve } (L_B)^*$
- \* Assumes the Fixed Point is located at the Center of the Total Machine Travel.

## Technical Data

Series	Mounting Height <b>H</b>	Bend Radius <b>KR</b>	Depot <b>U<sub>B</sub></b>	Loop Length <b>L<sub>B</sub></b>
<b>0665</b> Design 030/040				
Option A	8.27 (210)	2.95 (75)	6.77 (172)	14.53 (369)
Option B	10.24 (260)	3.94 (100)	7.76 (197)	17.64 (448)
Option C	11.81 (300)	4.72 (120)	8.54 (217)	20.08 (510)
Option D	13.39 (340)	5.51 (140)	9.33 (237)	22.56 (573)
Option E	18.11 (460)	7.87 (200)	11.69 (297)	30.00 (762)
Option F	22.05 (560)	9.84 (250)	13.66 (347)	36.18 (919)
Option G	25.98 (660)	11.81 (300)	15.63 (397)	42.36 (1076)



### 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 2.27-2.36



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

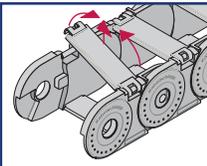
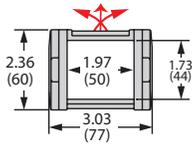
**50 x 0665 · 030 · 125 · 140 x 38 Links + FA/MA + 3v/2h**

Specifications are subject to change without notice.  
KS-1106-GC-A

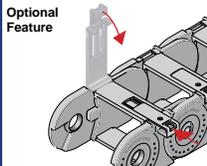
**Design 030** - opens on the outside radius  
**Series 0665**

**0665.030.050**

Chain Weight:  
 1.38 lbs/ft  
 (2.06 kg/m)



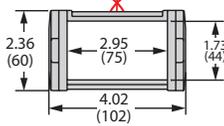
0665.030 open style design has hinged-opening bars that open from either side of the outside radius for easy cable and/or hose installation and service.



**035 Burst Proof Locking Bars**  
 Special bars are available with a mechanism that securely locks the bar into position once closed. Contact factory for details.

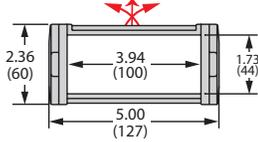
**0665.030.075**

Chain Weight:  
 1.49 lbs/ft  
 (2.22 kg/m)



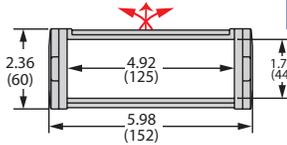
**0665.030.100**

Chain Weight:  
 1.59 lbs/ft  
 (2.37 kg/m)



**0665.030.125**

Chain Weight:  
 1.70 lbs/ft  
 (2.53 kg/m)



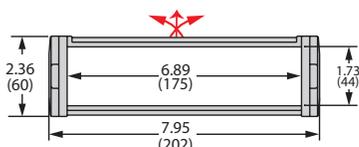
**0665.030.150**

Chain Weight:  
 1.80 lbs/ft  
 (2.68 kg/m)



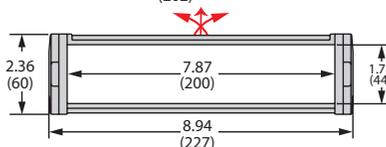
**0665.030.175**

Chain Weight:  
 1.91 lbs/ft  
 (2.85 kg/m)



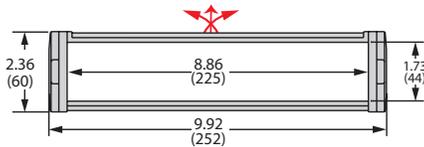
**0665.030.200**

Chain Weight:  
 2.01 lbs/ft  
 (3.00 kg/m)



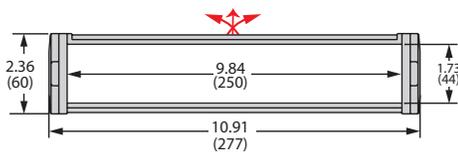
**0665.030.225**

Chain Weight:  
 2.12 lbs/ft  
 (3.16 kg/m)



**0665.030.250**

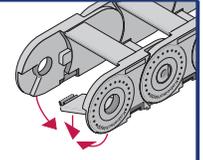
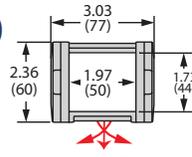
Chain Weight:  
 2.22 lbs/ft  
 (3.31 kg/m)



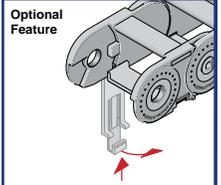
**Design 040** - opens on the inside radius  
**Series 0665**

**0665.040.050**

Chain Weight:  
 1.38 lbs/ft  
 (2.06 kg/m)



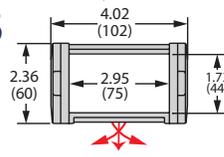
0665.040 open style design has hinged-opening bars that open from either side of the inside radius for easy cable and/or hose installation and service.



**045 Burst Proof Locking Bars**  
 Special bars are available with a mechanism that securely locks the bar into position once closed. Contact factory for details.

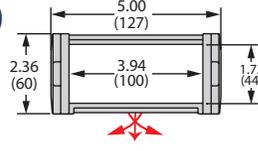
**0665.040.075**

Chain Weight:  
 1.49 lbs/ft  
 (2.22 kg/m)



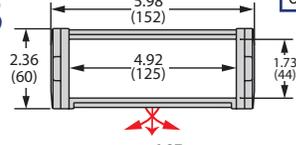
**0665.040.100**

Chain Weight:  
 1.59 lbs/ft  
 (2.37 kg/m)



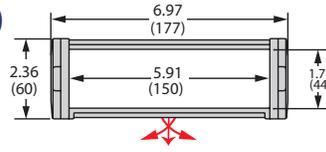
**0665.040.125**

Chain Weight:  
 1.70 lbs/ft  
 (2.53 kg/m)



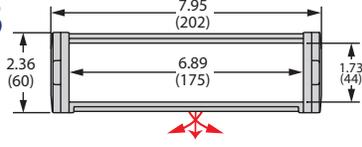
**0665.040.150**

Chain Weight:  
 1.80 lbs/ft  
 (2.68 kg/m)



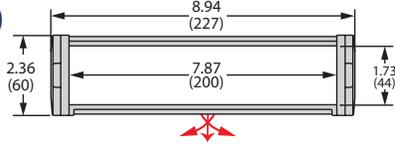
**0665.040.175**

Chain Weight:  
 1.91 lbs/ft  
 (2.85 kg/m)



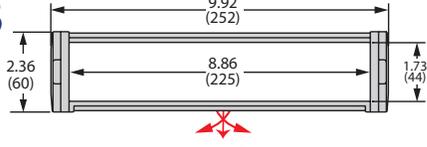
**0665.040.200**

Chain Weight:  
 2.01 lbs/ft  
 (3.00 kg/m)



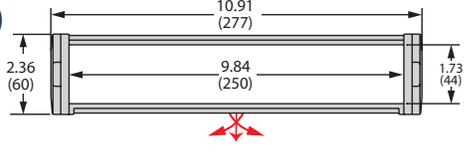
**0665.040.225**

Chain Weight:  
 2.12 lbs/ft  
 (3.16 kg/m)



**0665.040.250**

Chain Weight:  
 2.22 lbs/ft  
 (3.31 kg/m)



**Note:**

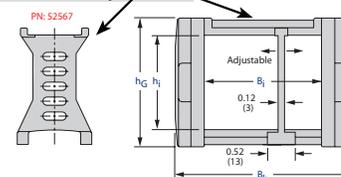
For drawings and dimensions of available mounting bracket options: See pages 7.26 - 7.27



**Cavity Partition Options:**

- A. Standard vertical dividers
- B. Snap-in vertical and horizontal partitions (see pages 7.24 -7.25)
- C. Custom: KabelSchlepp can engineer a solution to meet your unique application requirements - Consult factory

**A Standard vertical divider system**

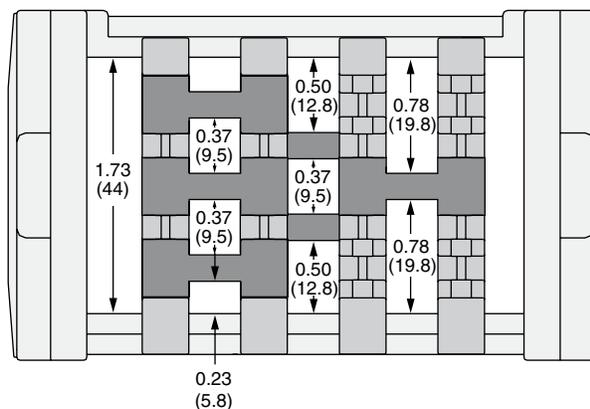
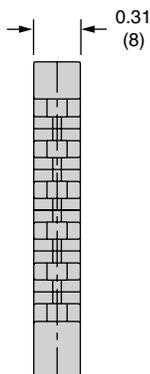
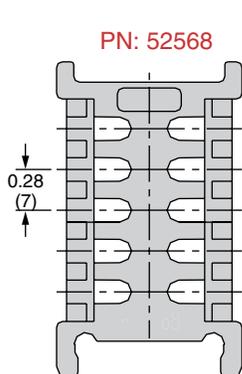
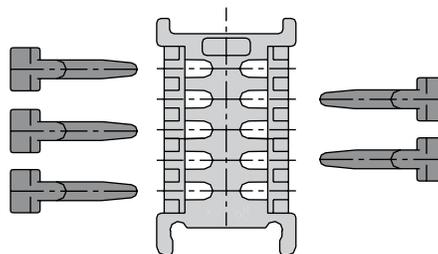
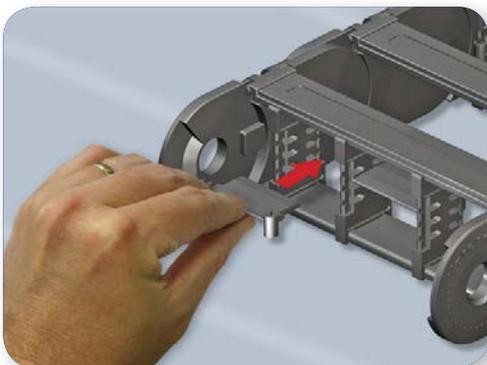


- $B_k$  = Outer Width
- $B_i$  = Inner Width
- $h_G$  = Outer Height
- $h_i$  = Inner Height



## Easy Snap-In Cavity Partitioning System for UNIFLEX Series 0665

When multiple cables or hoses, or cables or hoses with different diameters are to be placed inside the same carrier system and require vertical stacking, a simple to install snap-in cavity partitioning system should be used. This system easily allows for varying carrier system cavity compartment height (shelves) and width (dividers) necessary to properly accommodate each cable or hose.



## Easy Snap-In Cavity Partitioning System for UNIFLEX Series 0665

The carrier cavity width can be easily divided vertically - so cables or hoses can be safely separated side by side - next to one another. If small cables are to be stacked or cables with varying diameters are being used, the option to add horizontal shelving to properly accommodate these can be easily done by simply adding a shelf at the height desired. The various vertical levels that are available for the horizontal shelves are defined in this catalog section. The applicable kit component part numbers (dividers and shelves) are clearly identified.

### 0665 Horizontal Shelving - optional widths



Specifications are subject to change without notice.  
KS-1106-GC-A

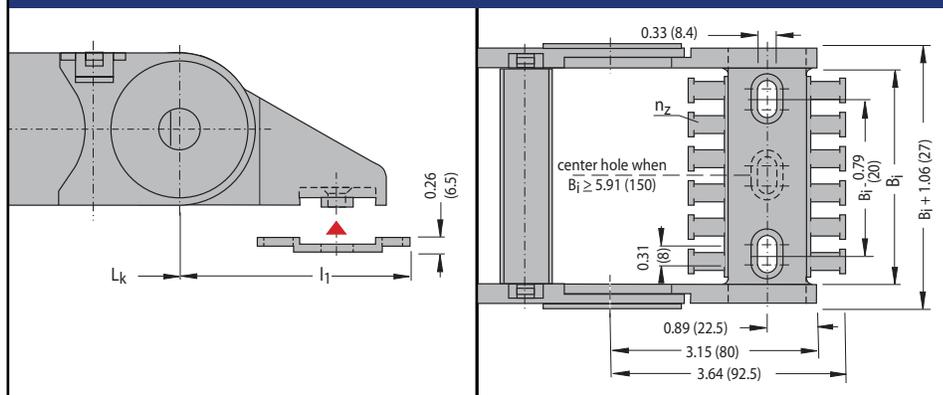
## Type 0665 Brackets with Strain Relief

### Connection Dimensions

Brackets made of nylon with ZLK-L detachable and independently positionable strain relief.

## ZLK - L

bracket with detachable and independently positionable strain relief



**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

## 0665 Bracket Position Options

### Bracket End

M - Moving End

F - Fixed End

### Bracket Position

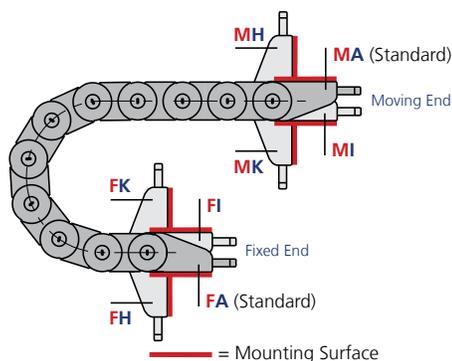
A - connecting surface on outside radius (standard)

I - connecting surface on inside radius

H - connecting surface turned 90° to the outside radius

K - connecting surface turned 90° to the inside radius

U - Universal Bracket (not pictured, see opposite page)



Please specify the desired bracket variant and position when ordering

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

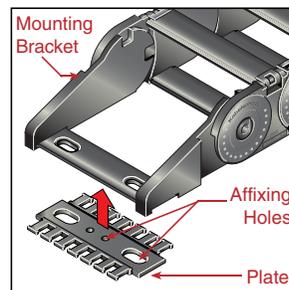
The bracket positions at the Fixed End and Moving End can be changed later if required.

Type	B <sub>i</sub> in (mm)	B <sub>k</sub> in (mm)	n <sub>Z</sub> # of tines
0665. ... .50	1.97 (50)	3.03 (77)	4
0665. ... .75	2.95 (75)	4.02 (102)	6
0665. ... .100	3.94 (100)	5.00 (127)	8
0665. ... .125	4.92 (125)	5.98 (152)	10
0665. ... .150	5.91 (150)	6.97 (177)	12
0665. ... .175	6.89 (175)	7.95 (202)	14
0665. ... .200	7.87 (200)	8.94 (227)	16
0665. ... .225	8.86 (225)	9.92 (252)	18
0665. ... .250	9.84 (250)	10.91 (277)	20

ZLK-L Fixed End Bracket (with detachable strain relief)



ZLK-L Moving End Bracket (with detachable strain relief)



## ZLK-L Mounting Bracket Details

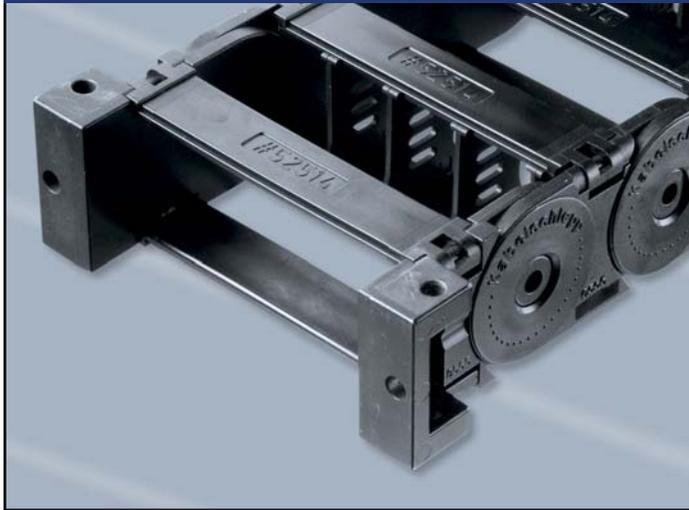
### Mounting brackets with removable strain relief.

The mounting brackets are usually supplied with an integral strain relief plate.

This plate is either clamped on the underside of the mounting bracket or mounted separately from the mounting bracket in the desired position.

The dimensions of the strain relief affixing holes are identical to those of the mounting bracket!

## Type 0665 Universal Brackets



### Connection Details

Universal Brackets are made of die cast aluminum and offer connection options from the top, front or bottom of the bracket providing a high degree of design flexibility.

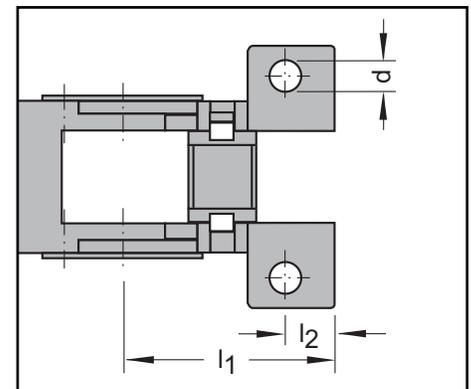
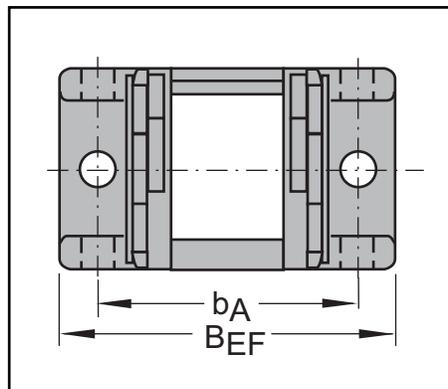
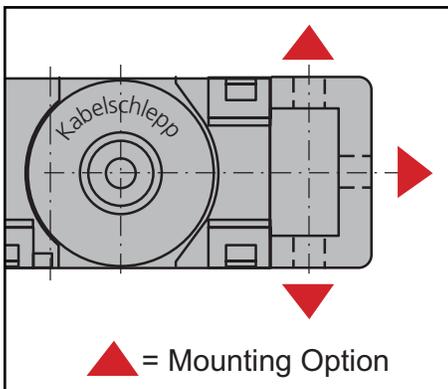
Universal Fixed End Bracket



Universal Moving End Bracket



**Note:** Universal Brackets are pictured with connecting bars (sold separately)



**Note:** The critical dimensions for the Fixed End and Moving End brackets are identical.

Type	B <sub>i</sub> in (mm)	B <sub>EF</sub> in (mm)	b <sub>A</sub> in (mm)	l <sub>1</sub> in (mm)	l <sub>2</sub> in (mm)	d in (mm)
0665. .... .50	1.97 (50)	3.70 (94)	3.07 (78)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .75	2.95 (75)	4.69 (119)	4.06 (103)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .100	3.94 (100)	5.67 (144)	5.04 (128)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .125	4.92 (125)	6.65 (169)	6.02 (153)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .150	5.91 (150)	7.64 (194)	7.01 (178)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .175	6.89 (175)	8.62 (219)	7.99 (203)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .200	7.87 (200)	9.61 (244)	8.98 (228)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .225	8.86 (225)	10.59 (269)	9.96 (253)	2.68 (68)	0.57 (14.5)	0.33 (8.5)
0665. .... .250	9.84 (250)	11.57 (294)	10.94 (278)	2.68 (68)	0.57 (14.5)	0.33 (8.5)

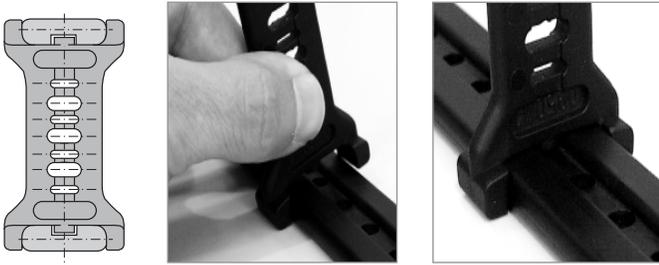
## 0665 Universal Bracket Position Options

When specifying Universal Brackets, use the letter **U** for the Bracket Position designation of the assembly part number description.

**Example:** FU/MU

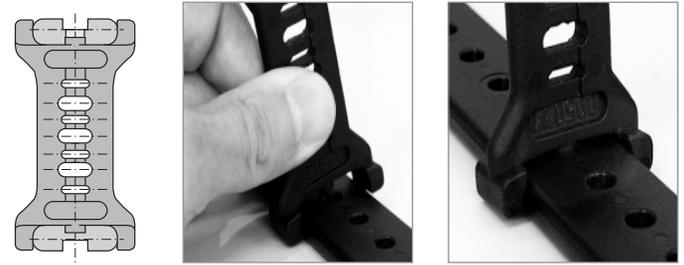
## K Series Vertical Divider Installation A RE bar configured for movable dividers (standard)

Vertical dividers on the all plastic K Series with RE bars can be moved to any location on the cross bar by sliding them back and forth when orienting the nylon cross bar so that the groove is pointed into the center of the cavity.



## K Series Vertical Divider Installation B RE bar configured for locked in place dividers

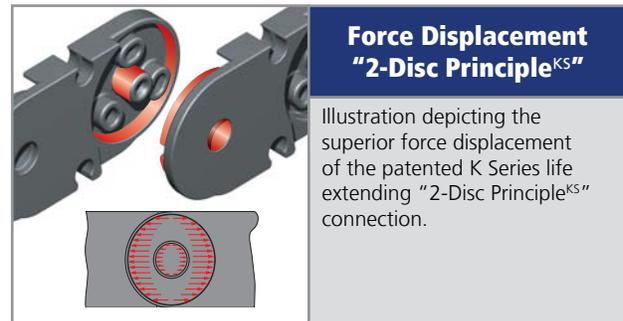
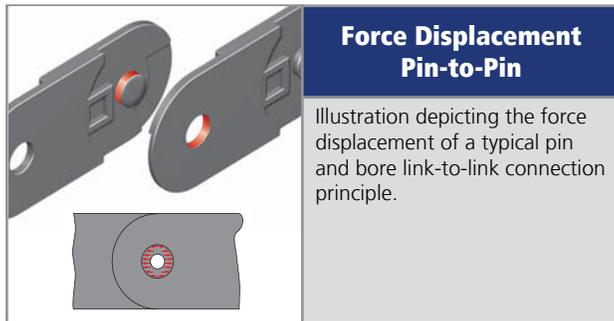
Vertical dividers on the all plastic K Series with RE bars can be fixed to a standard location and distance (interval) apart ( $a_x$ ) when orienting the nylon cross bar so that the groove is pointed away from the cavity center, toward the outside of the chain.



## Ingenious Design Minimizes Wear and Maximizes Performance!

### Carrier Life Extending "2-Disc Principle"<sup>KS</sup>

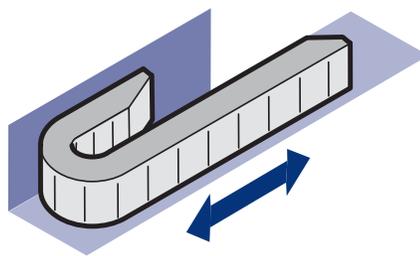
The optimized K Series carrier design evenly displaces carrier push-pull forces and applied loads over an area 200% larger than mono-style (one piece) chains, which significantly increases the K Series operating longevity.



## Features that Extend Life and Reduce Associated Wear!

### Glide Buttons

In the event the specified 0650 or 0900 K Series cable carrier is tipped 90° onto its side – and the carrier is to slide on its side during operation - the carrier operation can be optimized and longevity dramatically extended by adding these standard (snap-on) glide buttons to the carrier side-bands.



Ideal for side mount systems!

### Increased Gliding Surfaces

The 0650 and 0900 K Series family of cable carriers are specifically designed to run trouble free over long distances, with heavy operating loads for prolonged periods of time with integral molded running surfaces.



Series	Formula for calculating overall width with Glide Buttons installed ( $B_{EF}^1$ )
0650 K & KE	Overall Width ( $B_{EF}^1$ ) = $B_i + 1.42$ (36)
0900 K & KE	Overall Width ( $B_{EF}^1$ ) = $B_i + 1.77$ (45)

# VARITRAK K OPTIONS & BENEFITS