

# MICROTRAK

Smallest  
plastic cable carrier system

Smallest  
carrier  
plastic miniature  
cable system



**KABELSCHLEPP**

## Key Features:

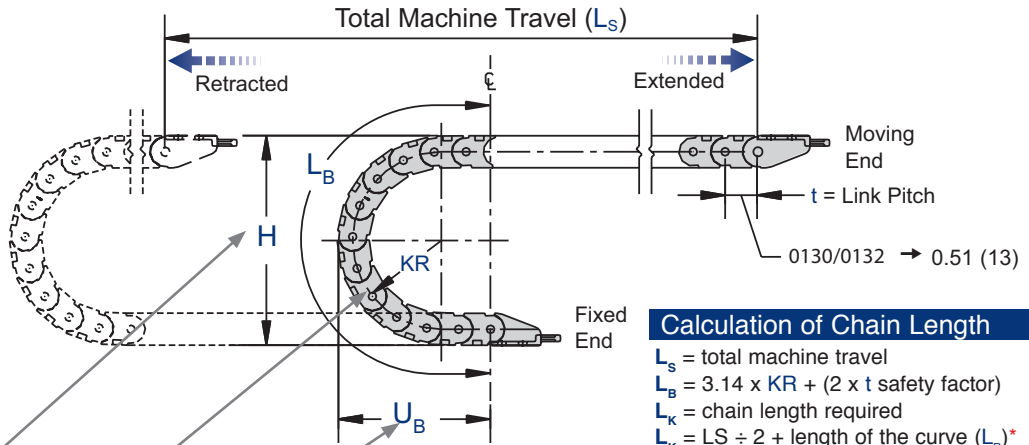
- Our smallest cable carriers for smooth and quiet operation in tight spaces
- End brackets with integral strain relief
- Light weight and rugged fiber-reinforced nylon material
- Simple snap-together links make assembly and modifications to chain length effortless
- Links are available with hinged-opening cavity lids for quick and simple installation of cables and hoses (0130/0180)
- Economical non-opening links are also available (0132/0182)
- Most sizes are available immediately from stock throughout the world



# GENERAL DATA

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<b>E</b>	<b>CONOMIC</b>
<b>V</b>	<b>ALUE</b>
<b>A</b>	<b>DDED</b>
<b>4</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/microtrak.htm">www.kabelschlepp.com/microtrak.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
	<b>H</b>	<b>KR</b>	<b>U<sub>B</sub></b>	<b>L<sub>B</sub></b>
Option A*	2.07 (52.5)	0.79 (20)	1.57 (40)	3.50 (89)
Option B	2.70 (68.5)	1.10 (28)	1.89 (48)	4.49 (114)
Option C	3.41 (86.5)	1.46 (37)	2.24 (57)	5.59 (142)



**!** \* 0130.40 is only available in bend radius KR20.

### Self-Supporting Lengths

Additional Load	lbs	kg
	ft	m
1.1	1.5	
0.7	1.0	
0.4	0.5	
0		

Type 0130/0132

Unsupported Length: 1.64 ft (0.5 m), 3.28 ft (1.0 m)

**Extended Travel:**  
 When application travel exceeds the self-supporting length of the carrier, MICROTRAK 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** + Cavity **Width** + Bend **Radius** x # of Links **Length** + Type & Position **Brackets** + Dividers (**#vert / #horz**)

**4** x **0132** + **06** **KR 20** x **100 Links** + **F/MA** + not available for MICROTRAK

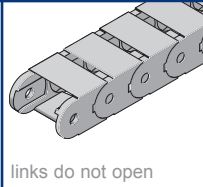
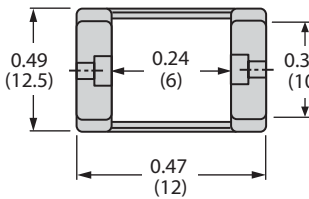
Specifications are subject to change without notice. KSA-0810-GC

### Series 0132

#### Non-Opening Links - available widths

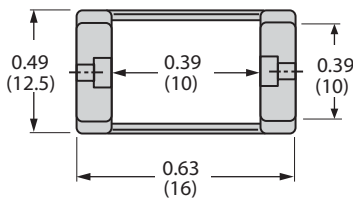
#### 0132.06

Chain Weight:  
0.09 lbs/ft  
(0.13 kg/m)



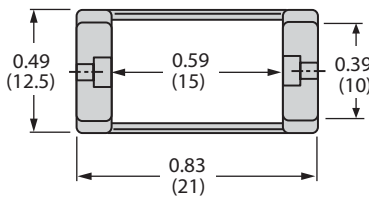
#### 0132.10

Chain Weight:  
0.09 lbs/ft  
(0.14 kg/m)



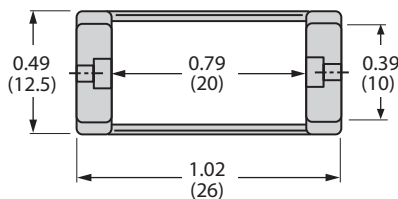
#### 0132.15

Chain Weight:  
0.10 lbs/ft  
(0.15 kg/m)



#### 0132.20

Chain Weight:  
0.11 lbs/ft  
(0.16 kg/m)



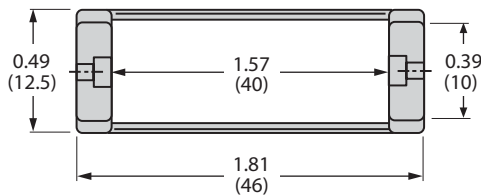
#### 0132.30

Chain Weight:  
0.12 lbs/ft  
(0.18 kg/m)



#### 0132.40

Chain Weight:  
0.13 lbs/ft  
(0.20 kg/m)

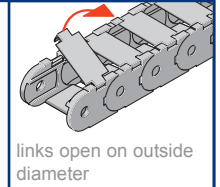
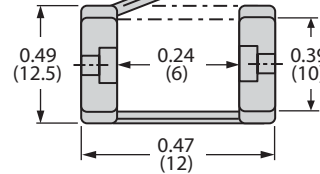


### Series 0130

#### Snap-Opening Links - available widths

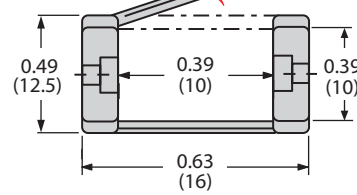
#### 0130.06

Chain Weight:  
0.09 lbs/ft  
(0.13 kg/m)



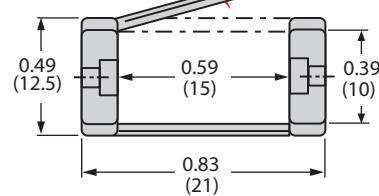
#### 0130.10

Chain Weight:  
0.09 lbs/ft  
(0.14 kg/m)



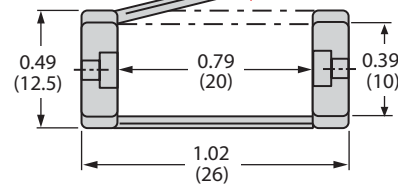
#### 0130.15

Chain Weight:  
0.10 lbs/ft  
(0.15 kg/m)



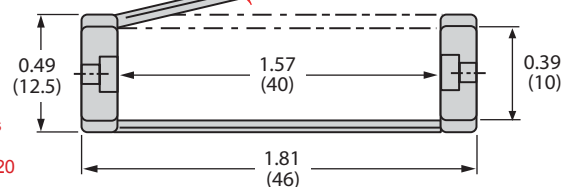
#### 0130.20

Chain Weight:  
0.11 lbs/ft  
(0.16 kg/m)

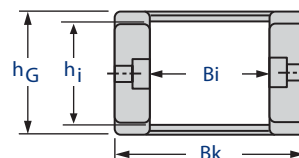


#### 0130.40

Chain Weight:  
0.13 lbs/ft  
(0.20 kg/m)



Note: 0130.40 is only available in bend radius KR20



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

#### Note:

For drawings and dimensions of available Mounting Bracket options:  
See page 5.04



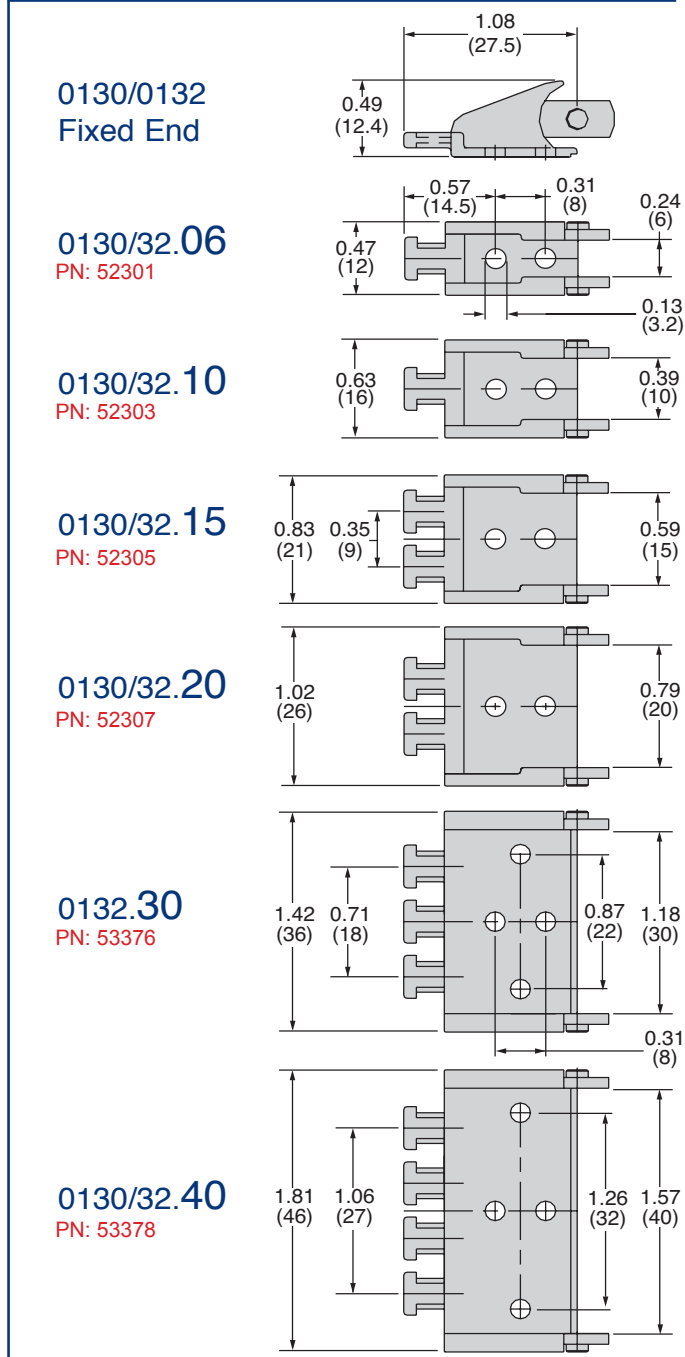


Series

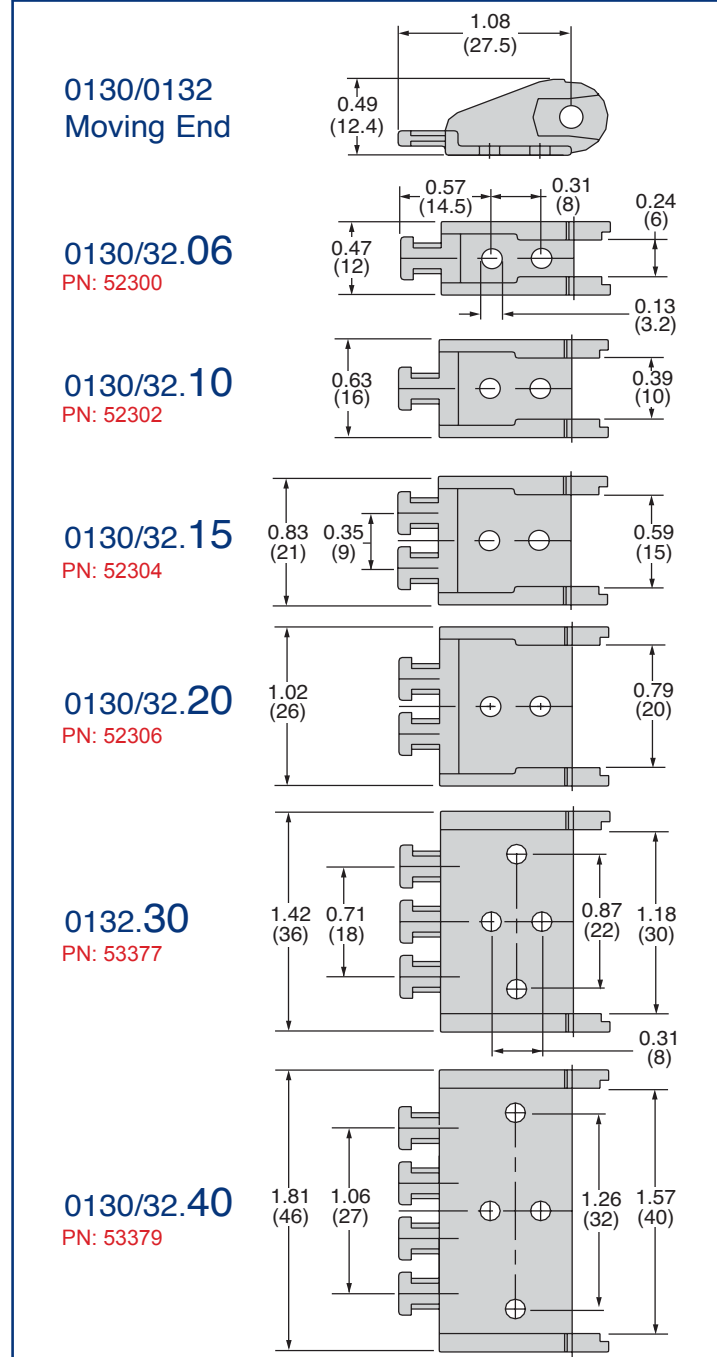
# 0130/0132 Strain Relief Mounting Brackets

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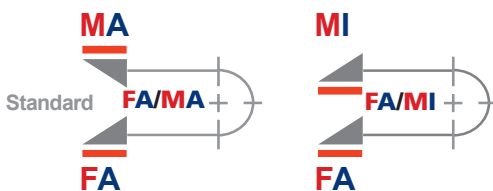
## Fixed End Bracket - with pin



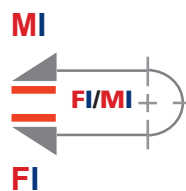
## Moving End Bracket - with hole



Fixed End Bracket



Moving End Bracket



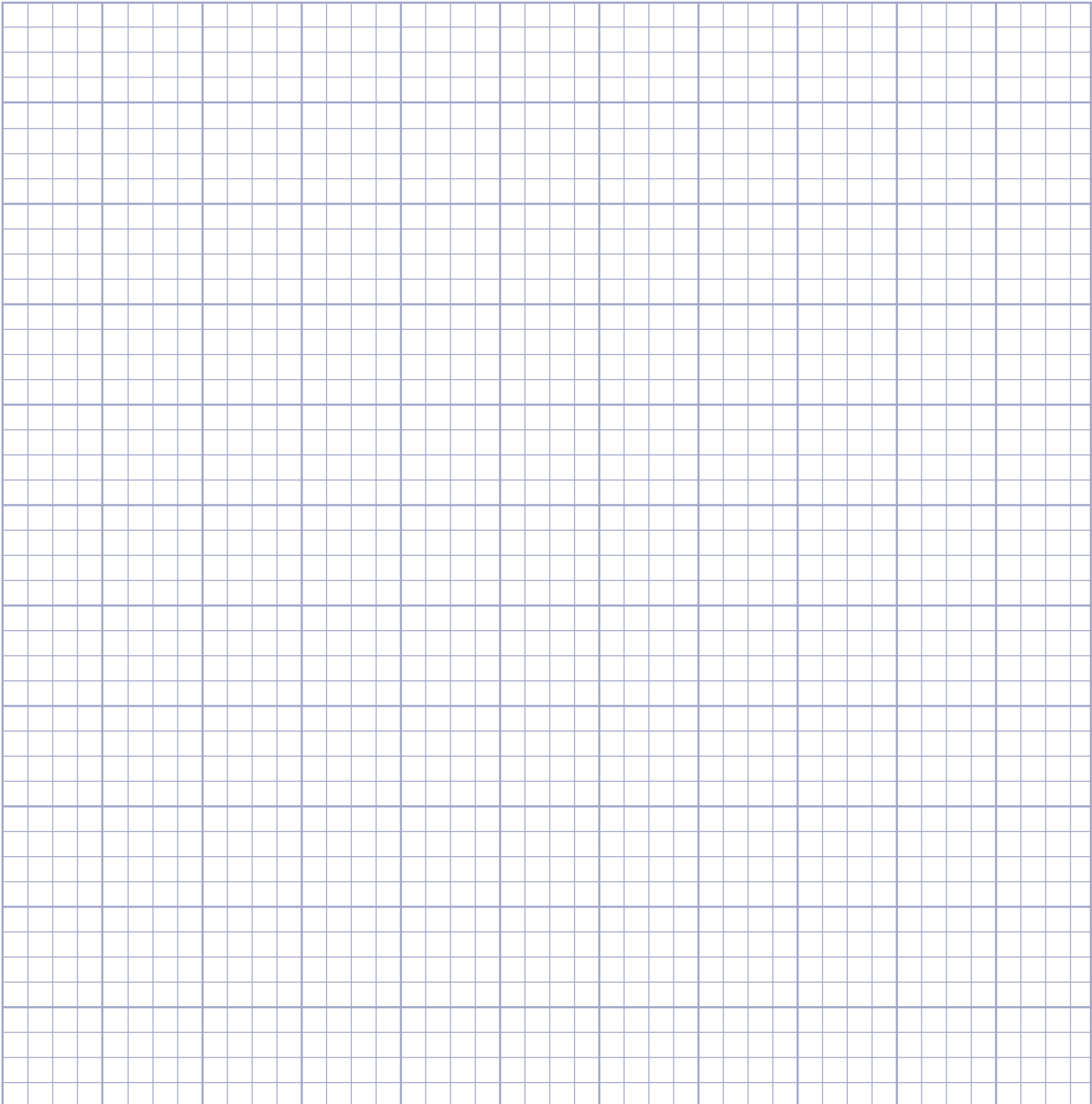
- M** = Moving End
- F** = Fixed End
- A** = O.D. Mount
- I** = I.D. Mount
- = Mounting Surface



Specifications are subject to change without notice.  
KSA-0810-GC

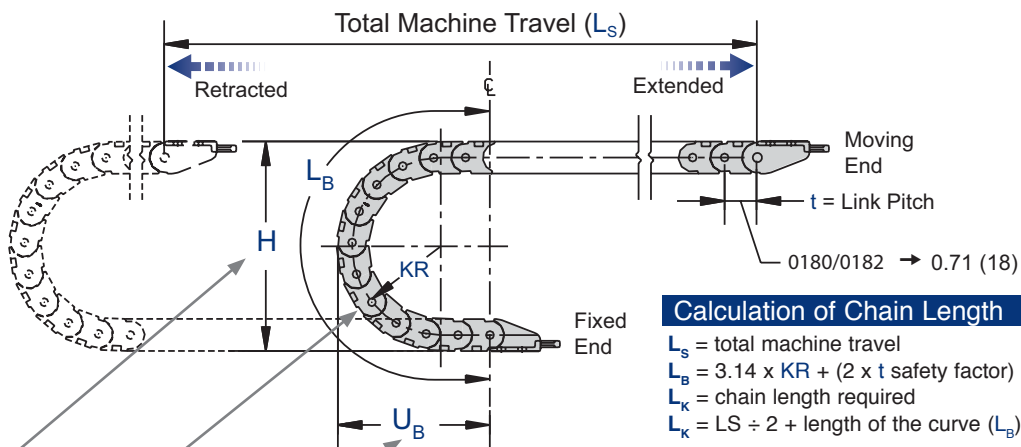
# DESIGN AND LAYOUT NOTES

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>DDED</b>
<b>4</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/microtrak.htm">www.kabelschlepp.com/microtrak.htm</a></p>	



Dimensions in inches (mm)

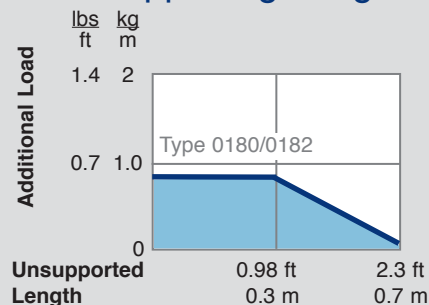
## Technical Data

Series	Mounting Height	Bend Radius	Depot	Loop Length
0180/0182	H	KR	U <sub>B</sub>	L <sub>B</sub>
Option A	2.91 (74)	1.10 (28)	2.17 (55)	4.88 (124)
Option B*	3.62 (92)	1.46 (37)	2.52 (64)	6.02 (153)
Option C	4.65 (118)	1.97 (50)	3.03 (77)	7.64 (194)

**!** \* 0180.10 is only available in bend radii KR 28 and KR 50



## Self-Supporting Lengths



### Extended Travel:

When application travel exceeds the self-supporting length of the carrier, MICROTRAK 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** + **Cavity Width** + **Bend Radius** x **# of Links Length** + **Type & Position Brackets** + **Dividers (#vert / #horz)**

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

**50** x **0180** + **30** **KR 28** x **42 Links** + **FI/MA** + not available for MICROTRAK

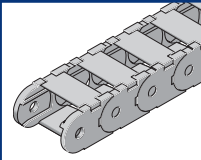
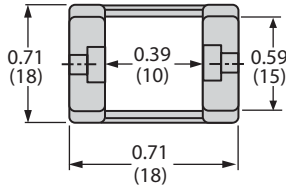
Specifications are subject to change without notice.  
KSA-0810-GC

### Series 0182

#### Non-Opening - available widths

#### 0182.10

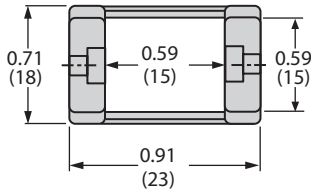
Chain Weight:  
0.15 lbs/ft  
(0.23 kg/m)



links do not open

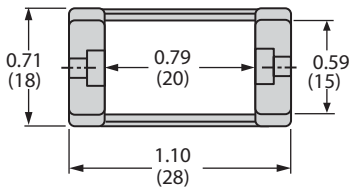
#### 0182.15

Chain Weight:  
0.16 lbs/ft  
(0.24 kg/m)



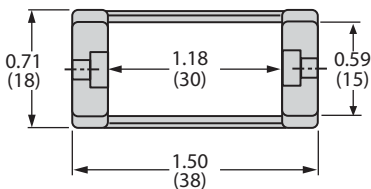
#### 0182.20

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



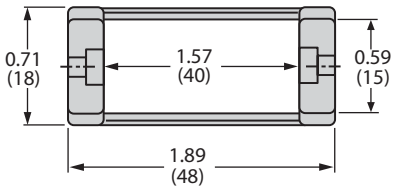
#### 0182.30

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



#### 0182.40

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



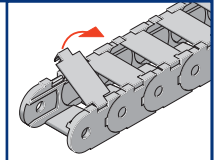
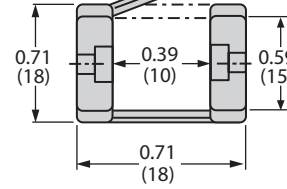
### Series 0180

#### Snap-Opening Links - available widths

#### 0180.10

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

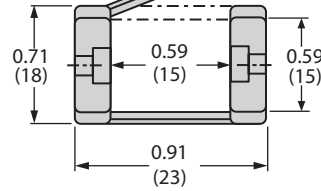
Note: 0180.10 is only available in bend radii KR28 and KR50.



Links open on outside diameter.

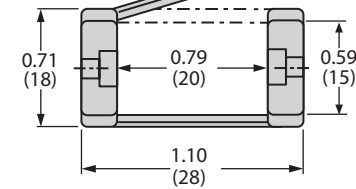
#### 0180.15

Chain Weight:  
0.16 lbs/ft  
(0.24 kg/m)



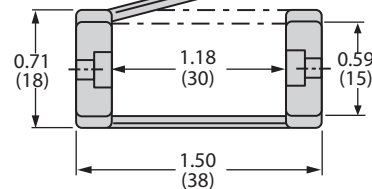
#### 0180.20

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



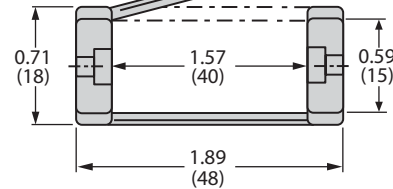
#### 0180.30

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


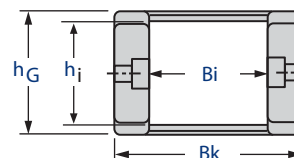


#### 0180.40

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



**Note:**  
For drawings and dimensions of available Mounting Bracket options:  
See page 5.08

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

Specifications are subject to change without notice.  
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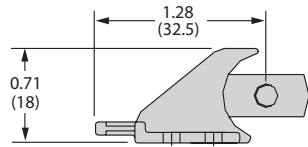
Series  
**0180/0182 Strain Relief Mounting Brackets**

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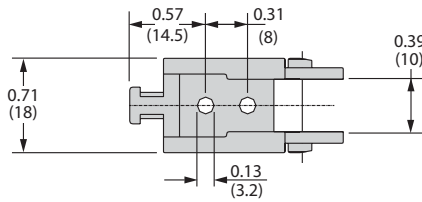
**Fixed End Bracket - with pin**

**Moving End Bracket - with hole**

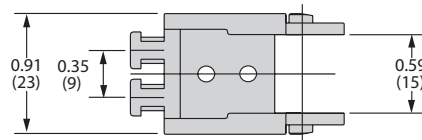
**0180/82**  
Fixed End



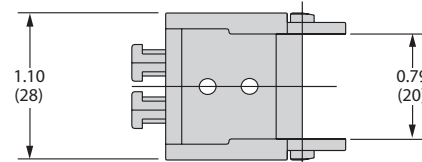
**0180/82.10**  
PN: 52309



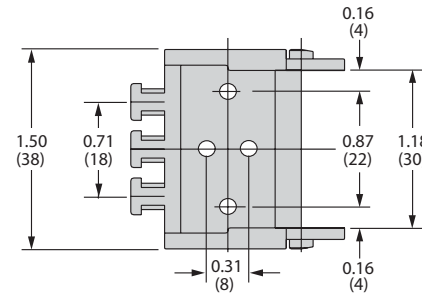
**0180/82.15**  
PN: 52311



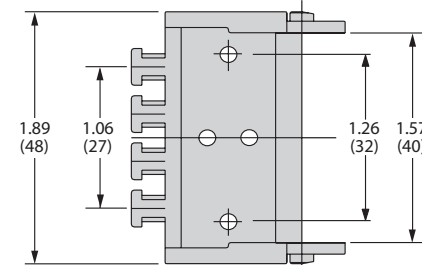
**0180/82.20**  
PN: 52313



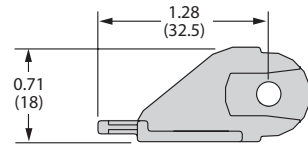
**0180/82.30**  
PN: 52315



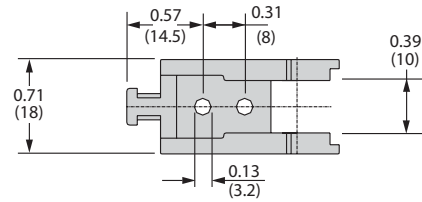
**0180/82.40**  
PN: 52317



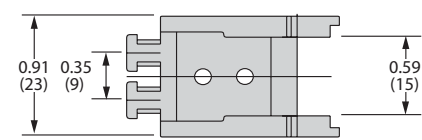
**0180/0182**  
Moving End



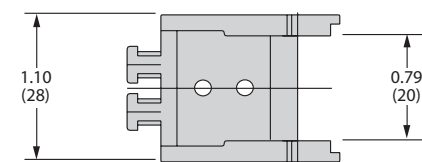
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PN: 52308



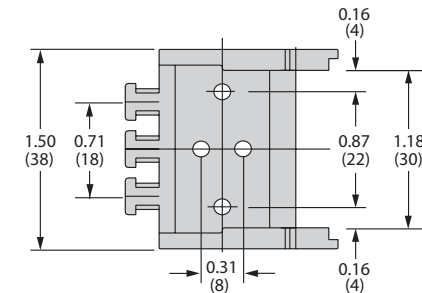
**0180/82.15**  
PN: 52310



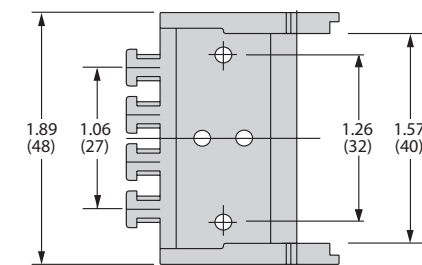
**0180/82.20**  
PN: 52312



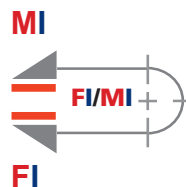
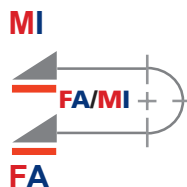
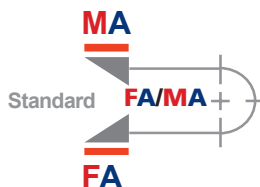
**0180/82.30**  
PN: 52314



**0180/82.40**  
PN: 52316



Fixed End Bracket



- M** = Moving End
- F** = Fixed End
- A** = O.D. Mount
- I** = I.D. Mount
- = Mounting Surface

Moving End Bracket



Specifications are subject to change without notice.  
 KSA-0810-GC