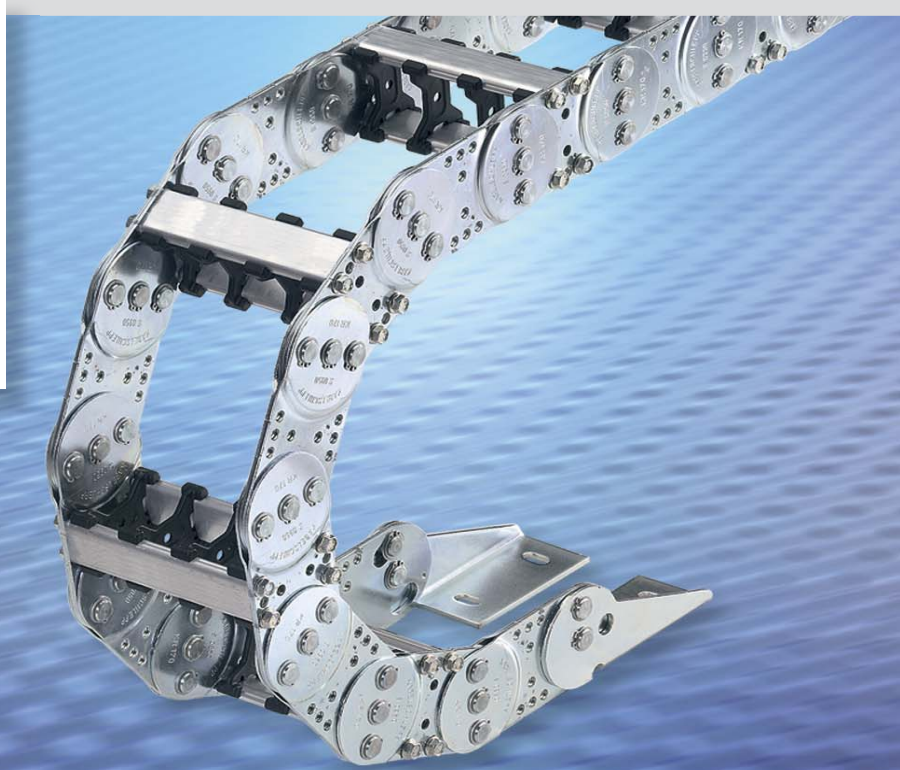
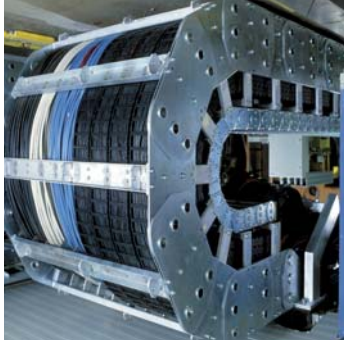


VARITRAK S

steel
Steel cable carrier system
cable system
carrier



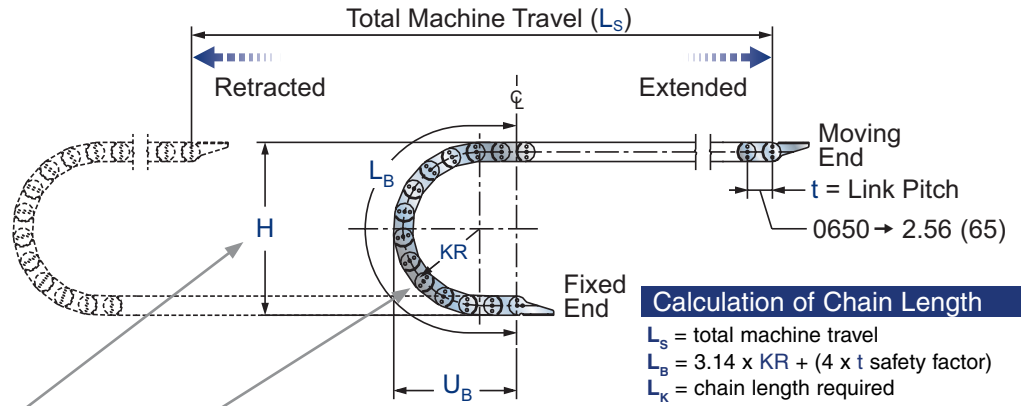
KABELSCHLEPP

Key Features:

- Metal side-bands made of extremely durable stainless or plated steel
- Quick and easy cable installation
- Available with twist on/off reinforced aluminum frame stays
- Available with bolted-on heavy-duty aluminum or plated steel frame stays
- Available with bolted-on heavy-duty aluminum frame stays with frictionless Delrin® rolling surfaces
- Available with made-to-order bored aluminum bars
- Vertical and horizontal cable separation in nylon or aluminum
- Mounting brackets allow for surface or face connection options

GENERAL DATA

E	CONOMIC
V	ALUE
A	DDED
9	
<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 & much more at: www.kabelschlepp.com/varitraks.htm</p>	



Calculation of Chain Length

L_s = total machine travel
 $L_b = 3.14 \times KR + (4 \times t \text{ safety factor})$
 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 H_{min}^*	Bend Radius KR^{**}	Depot U_B	Loop Length L_B
0650.1S				
Option A	7.87 (200)	2.95 (75)	9.06 (230)	19.53 (496)
Option B	9.45 (240)	3.74 (95)	9.84 (250)	21.97 (558)
Option C	11.02 (280)	4.53 (115)	10.63 (270)	24.45 (621)
Option D	12.60 (320)	5.31 (135)	11.42 (290)	26.93 (684)
Option E	14.17 (360)	6.10 (155)	12.20 (310)	29.41 (747)
Option F	17.72 (450)	7.87 (200)	13.98 (355)	34.96 (888)



Self-Supporting Lengths

Extended Travel:
 When application travel exceeds the self-supporting length of Varitrak S carrier systems, KS Support Rollers or Rolling Carriage Systems can be used to extend travel.

For more information on extended travel systems, see pages 2.27-2.36

! * Bend Radius (KR) tolerance is +5% / -10%
****** Bending radii 125 mm, 145 mm, 175 mm, 250 mm and 300 mm available via **special order**. Consult factory for more information.

Number of **Systems Req.** x Carrier **Type** + Cavity Width (**B_i**) + Type **Frame Stay** + Bend **Radius** x # of Links **Length** + Type & Position **Brackets** + Dividers (**#vert / #horz**)
8 x **S0650.1** - **10.00"** - **RS2** - **135** x **32 Links** + **MA/FAI** + **5v/0h**

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

RS1

Bar System

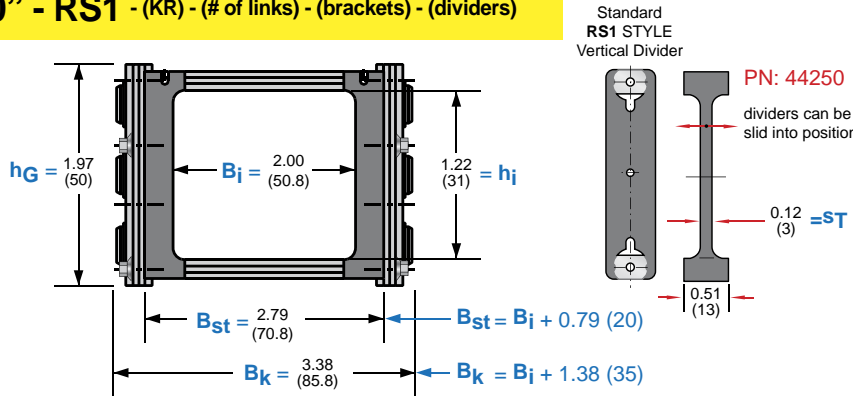
Features one twist in/out aluminum bar on the outer radius and one bolted-on aluminum bar on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **2.00" (50.8 mm)** through **12.00" (304.8 mm)**.

Ten **standard width** sizes are available from stock. **Custom widths** are also available in any width increment required by the customer.

S0650.1 - 2.00" - RS1 - (KR) - (# of links) - (brackets) - (dividers)

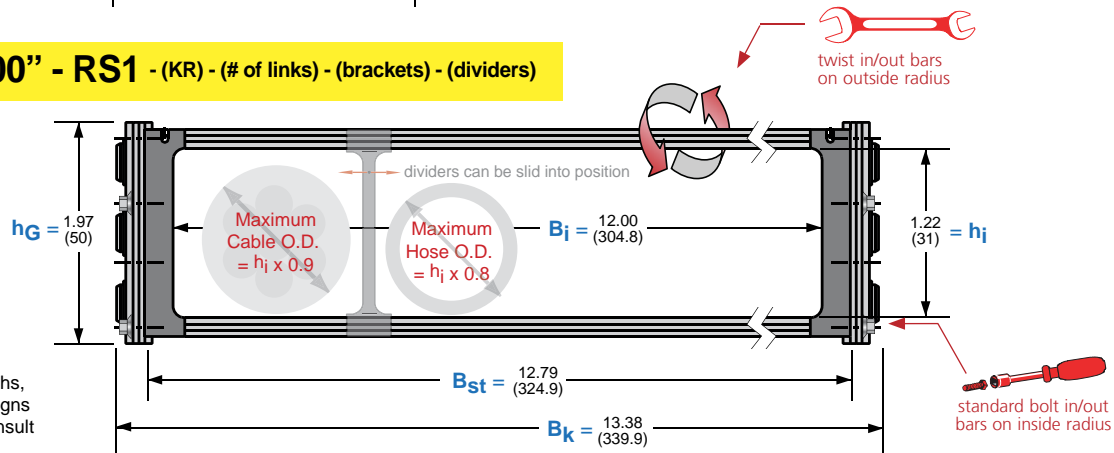
Recommended **MINIMUM** Width



- B_{st} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_g = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

S0650.1 - 12.00" - RS1 - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MAXIMUM** Width



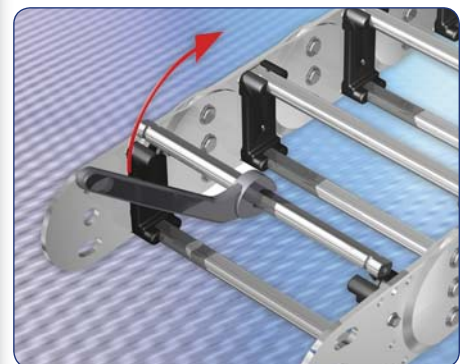
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RS1 system

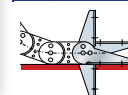


- Simply by twisting on or twisting off the aluminum bar 90 degrees, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when light weight and cost effective designs are required.
- By using one twist-in locking and one bolted-on bar construction an extremely strong "box" compartment is formed surrounding contents.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.
- Rolling round Delrin® sleeves can be added to RS1 bars for added protection of hoses (consult factory).

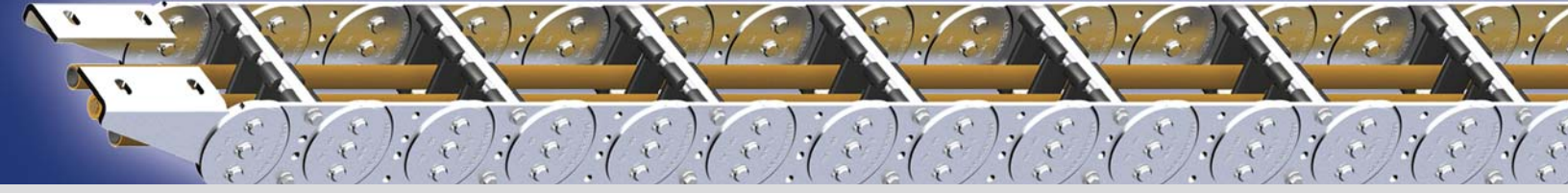
RS1 System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33



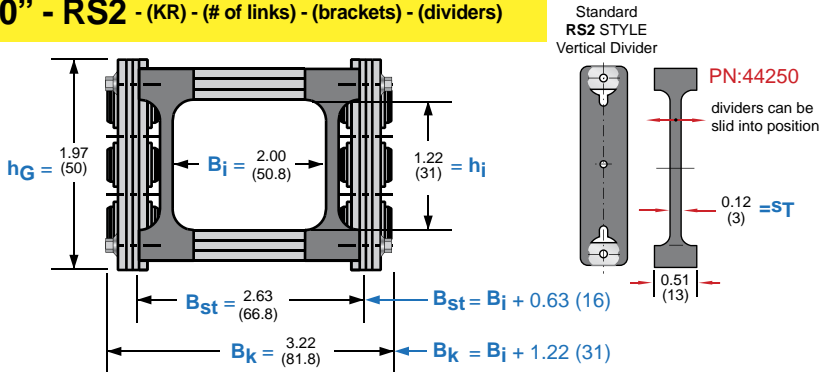
RS2

Bar System

Features bolted on aluminum bars on both the outer radius and the inner radius per frame stay.
 Usable Cavity Widths (B_i) are available from **2.00" (51 mm)** through **12.00" (304.8 mm)**.
 Ten **standard width** sizes are available from stock. **Custom widths** are also available in any width increment required by the customer.

S0650.1 - 2.00" - RS2 - (KR) - (# of links) - (brackets) - (dividers)

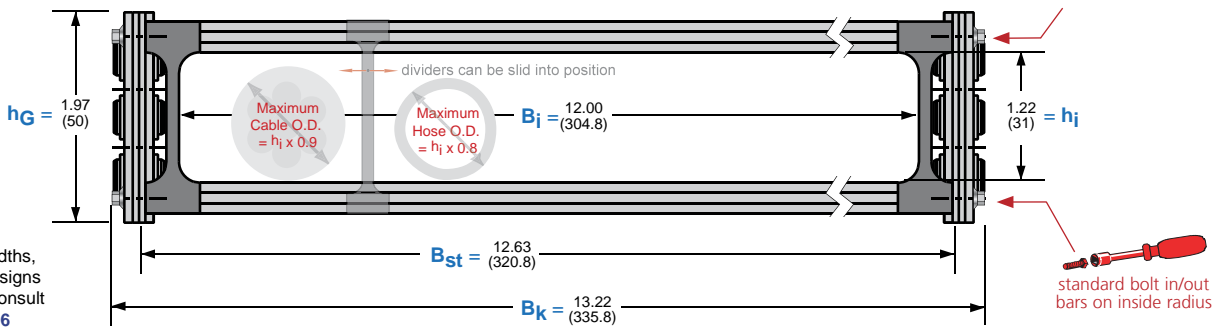
Recommended
MINIMUM
Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

S0650.1 - 12.00" - RS2 - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width



Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

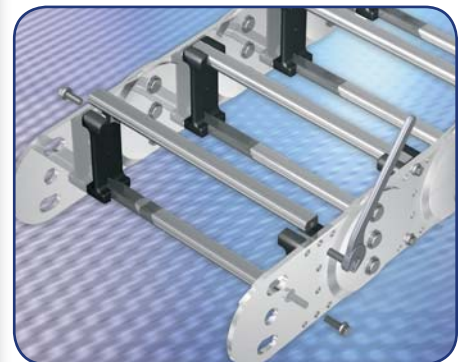
VARITRAK S

Why use RS2 system

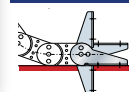


- By simply unscrewing the bolts at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when light weight and cost effective designs are required.
- Bolted-on bar construction forms a strong "box" compartment surrounding contents.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.
- Rolling round Delrin® sleeves can be added to RS2 bars for added protection of hoses (consult factory).

RS2 System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

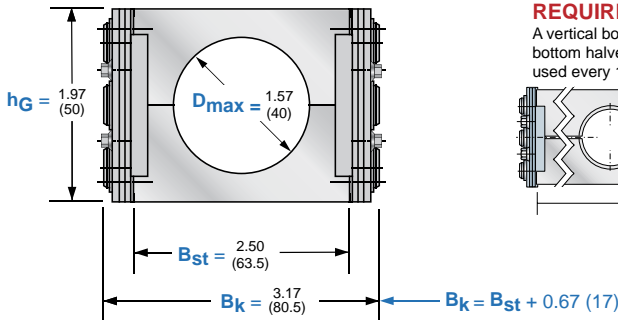
LG
Bar System

Features bolted-on heavy-duty split and bored aluminum bars.

Bar Widths (B_{St}) are available from **2.50" (63.5 mm)** through **19.00" (482.6 mm)** in any width increment required by the customer.

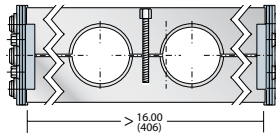
S0650.1 - 2.50" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MINIMUM** Width



REQUIRED

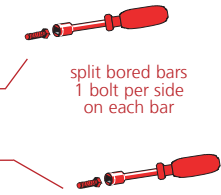
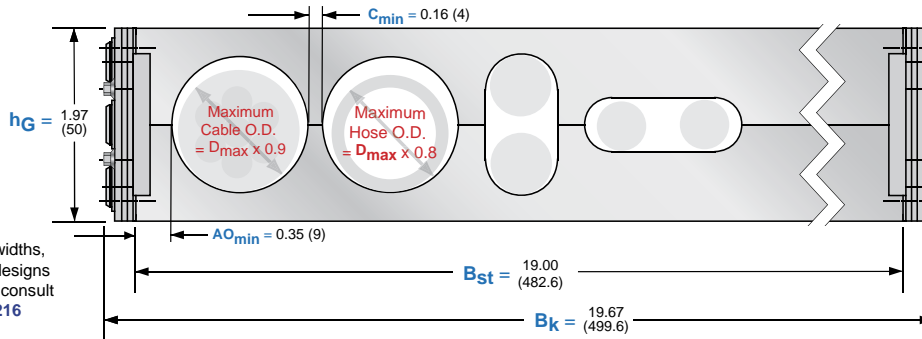
A vertical bolt connecting the top and bottom halves of the LG bars must be used every 16.00" (406 mm) of B_L .



- B_{St} = Cut bar length
- B_k = Outer chain width
- h_G = Outer chain link height
- D_{max} = Maximum hole diameter
- C_{min} = Minimum distance between holes
- $a_{o_{min}}$ = Minimum hole offset from end

S0650.1 - 19.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MAXIMUM** Width



split bored bars
1 bolt per side
on each bar

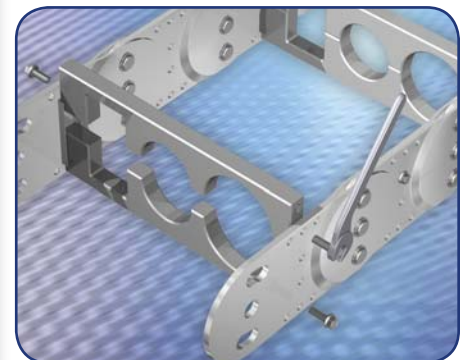
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use LG system

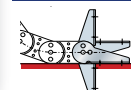


- By simply unscrewing 1 bolt per split-bar at both ends of each bar and sliding out the unbolted split-bar, cables & hoses can be easily installed (laid inside, in each specifically designed 1/2 round).
- Ideal when unique cables and hoses must be individually separated.
- Extremely rugged bolted-on bar construction forms an exceptionally strong "collar" surrounding individual contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bar design that is made to match the individual cable and/or hose sizes and types. Cable manufacturers' favorite system.
- In-field service possible.
- Exact widths are available to fit any application's width restrictions.

LG System Assembly Detail



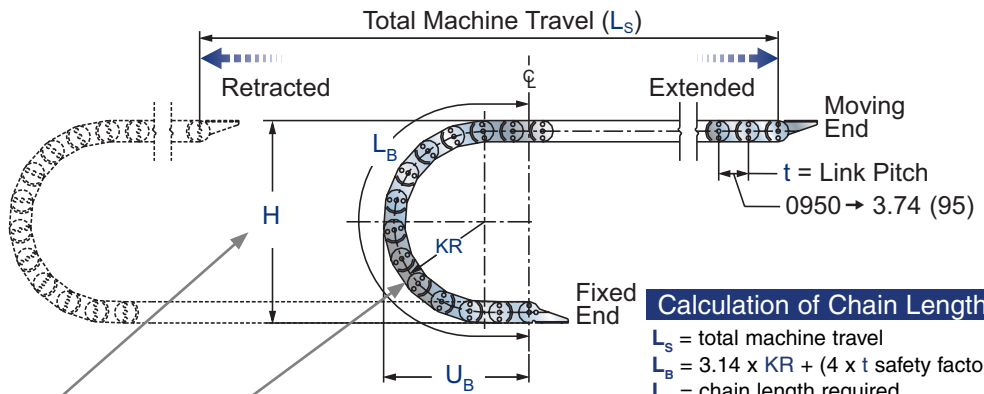
Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

GENERAL DATA

E	CONOMIC
V	ALUE
A	DEED
9	
<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 & much more at: www.kabelschlepp.com/varitraks.htm</p>	



Calculation of Chain Length

- L_S = total machine travel
 - $L_B = 3.14 \times KR + (4 \times t \text{ safety factor})$
 - 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.

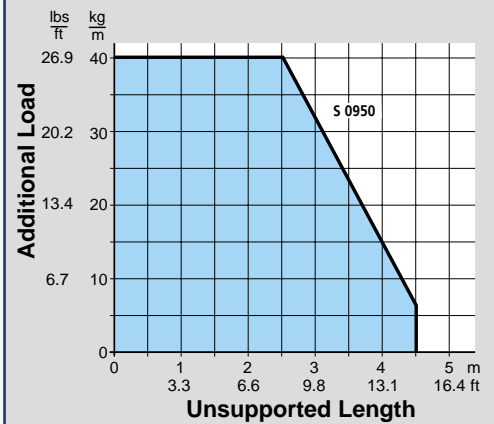
Dimensions in inches (mm)

Technical Data

Series	Mounting Height H_{min}^*	Bend Radius KR^{**}	Depot U_B	Loop Length L_B
0950S				
Option A	12.52 (318)	4.92 (125)	13.78 (350)	30.43 (773)
Option B	13.70 (348)	5.51 (140)	14.37 (365)	32.28 (820)
Option C	16.06 (408)	6.69 (170)	15.55 (395)	35.98 (914)
Option D	18.43 (468)	7.87 (200)	16.73 (425)	39.69 (1008)
Option E	23.15 (588)	10.24 (260)	19.09 (485)	47.13 (1197)
Option F	25.51 (648)	11.42 (290)	20.28 (515)	50.83 (1291)
Option G	27.87 (708)	12.60 (320)	21.46 (545)	54.53 (1385)



Self-Supporting Lengths



Extended Travel:

When application travel exceeds the self-supporting length of Varitrak S carrier systems, KS Support Rollers or Rolling Carriage Systems can be used to extend travel.



For more information on extended travel systems, see pages 2.27-2.36

- * Bend Radius (KR) tolerance is +5% / -10%
- ** Bending radii 350 mm, & 410 mm available via **special order**. Consult factory for more information.

$$\begin{array}{cccccccccccc}
 \text{Number of} & \times & \text{Carrier} & + & \text{Cavity Width} & + & \text{Type} & + & \text{Bend} & \times & \text{\# of Links} & + & \text{Type \& Position} & + & \text{Dividers} \\
 \text{Systems Req.} & & \text{Type} & & (B_i) & & \text{Frame Stay} & & \text{Radius} & & \text{Length} & & \text{Brackets} & & (\#vert / \#horz) \\
 \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow & & \downarrow \\
 4 & \times & \text{S0950} & - & 18.00'' & - & \text{RMR} & - & 170 & \times & 35 \text{ Links} & + & \text{MA/FAI} & + & 9v/0h
 \end{array}$$

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

RS1

Bar System

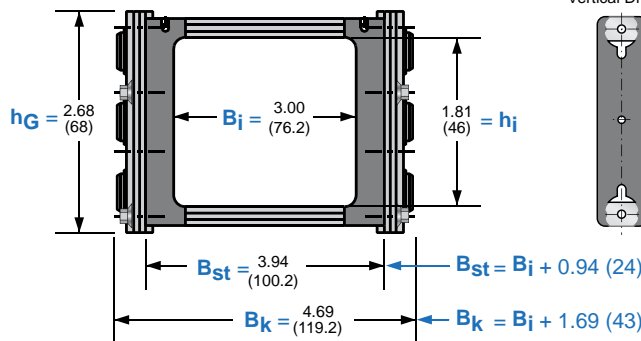
Features one twist in/out aluminum bar on the outer radius and one bolted-on aluminum bar on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **3.00" (76.2 mm)** through **11.00" (279.4 mm)**.

Ten **standard width** sizes are available from stock. **Custom widths** are also available in any width increment required by the customer.

S0950 - 3.00" - RS1 - (KR) - (# of links) - (brackets) - (dividers)

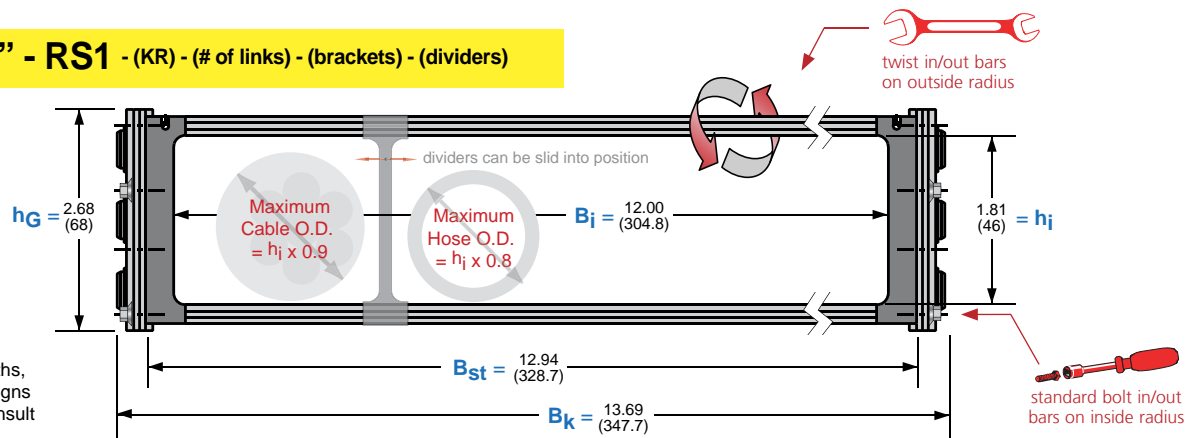
Recommended **MINIMUM** Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

S0950 - 12.00" - RS1 - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MAXIMUM** Width



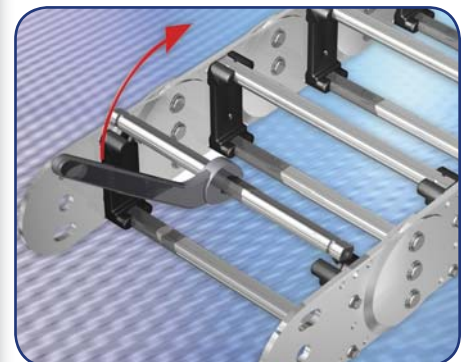
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RS1 system



- Simply by twisting on or twisting off the aluminum bar 90 degrees, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when light weight and cost effective designs are required.
- By using one twist-in locking and one bolted-on bar construction an extremely strong "box" compartment is formed surrounding contents.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.
- Rolling round Delrin® sleeves can be added to RS1 bars for added protection of hoses (consult factory).

RS1 System Assembly



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

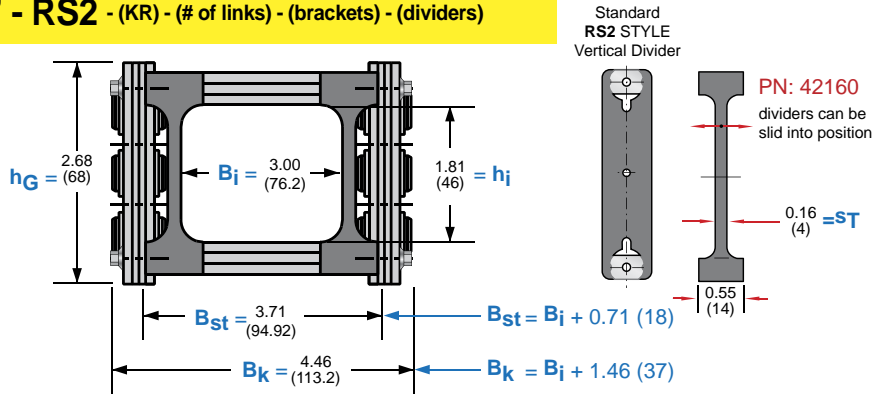
RS2

Bar System

Features bolted on aluminum bars on both the outer radius and the inner radius per frame stay. Usable Cavity Widths (B_i) are available from **3.00" (76.2 mm)** through **14.00" (355.6 mm)**. Ten **standard width** sizes are available from stock. **Custom widths** are also available in any width increment required by the customer.

S0950 - 3.00" - RS2 - (KR) - (# of links) - (brackets) - (dividers)

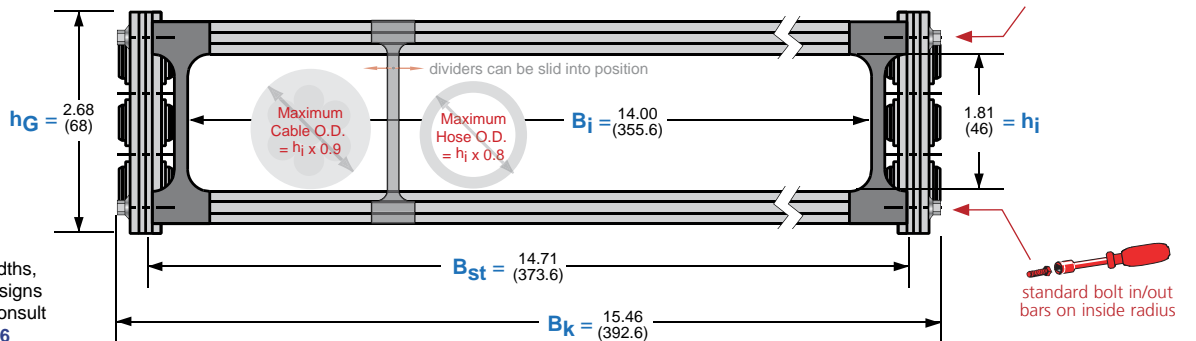
Recommended
MINIMUM
Width



B_{st} = Cut bar length
 B_k = Outer chain width
 B_i = Inner chain cavity (usable) width
 h_g = Outer chain link height
 h_i = Inner chain cavity (usable) height
 ST = Vertical divider thickness

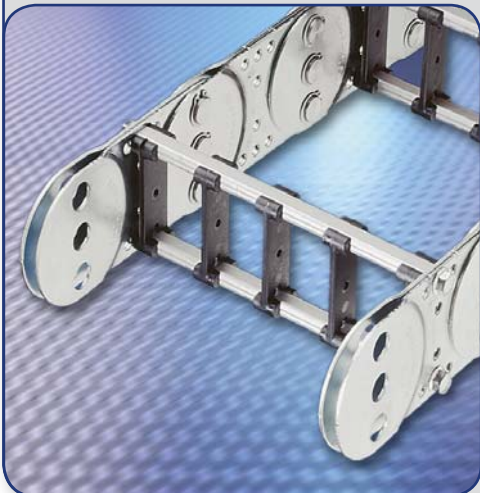
S0950 - 14.00" - RS2 - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width



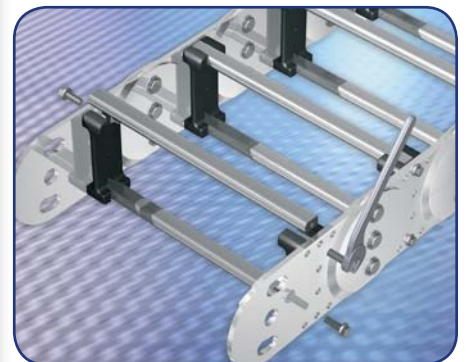
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RS2 system

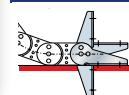


- By simply unscrewing the bolts at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when light weight and cost effective designs are required.
- Bolted-on bar construction forms a strong "box" compartment surrounding contents.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.
- Rolling round Delrin® sleeves can be added to RS2 bars for added protection of hoses (consult factory).

RS2 System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

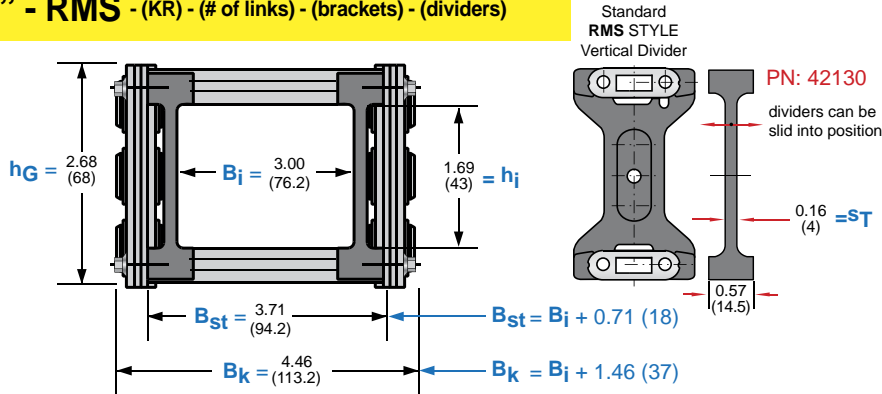
RMS
Bar System

Features heavy-duty double bolted-on aluminum bar on the outer radius and on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **3.00" (76.2 mm)** through **23.00" (584.2 mm)** in any width increment required by the customer.

S0950 - 3.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

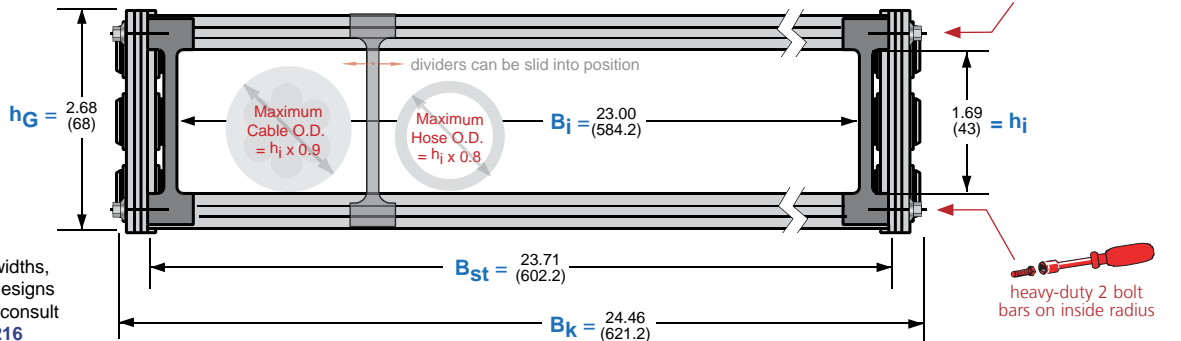
Recommended **MINIMUM** Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

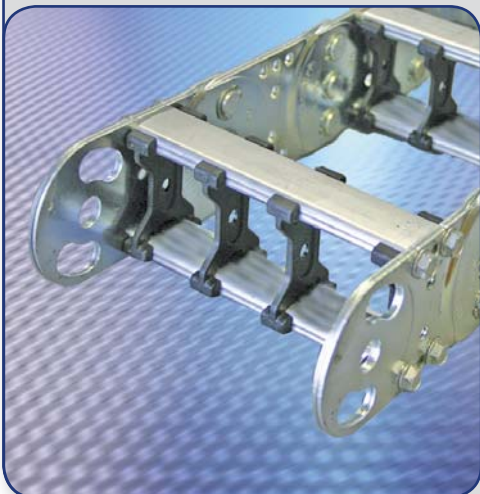
S0950 - 23.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MAXIMUM** Width



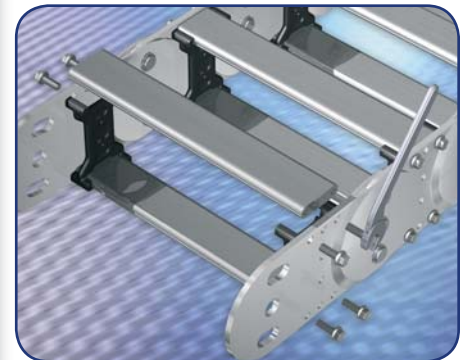
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMS system

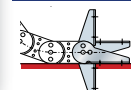


- By simply unscrewing the 2 bolts per bar at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when heavy duty and cost effective designs are required.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.

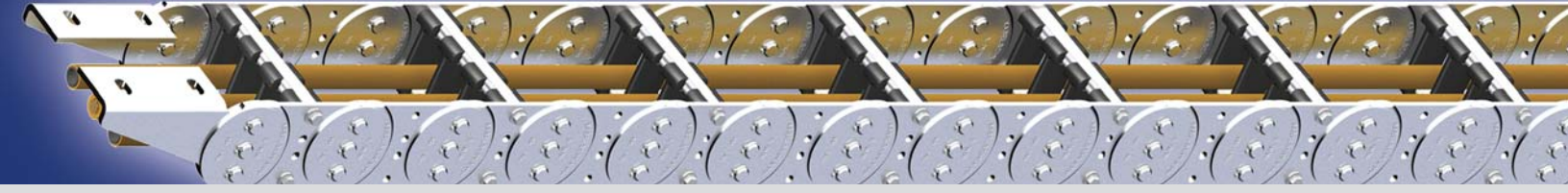
RMS System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33



RMR

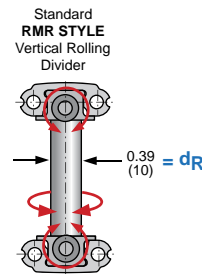
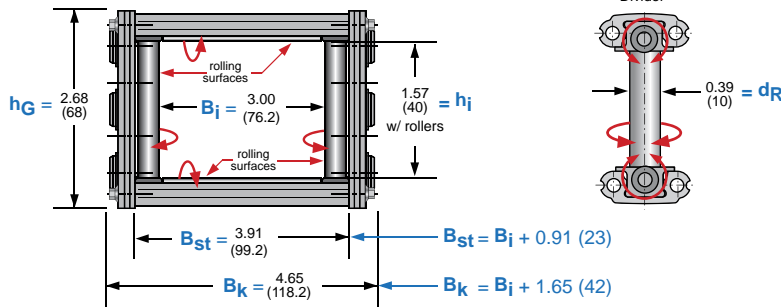
Bar System

Features heavy-duty double bolted-on aluminum bar with integrated roller system on the outer radius and on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **3.00" (76.2 mm)** through **22.00" (558.8 mm)** in any width increment required.

S0950 - 3.00" - RMR - (KR) - (# of links) - (brackets) - (dividers)

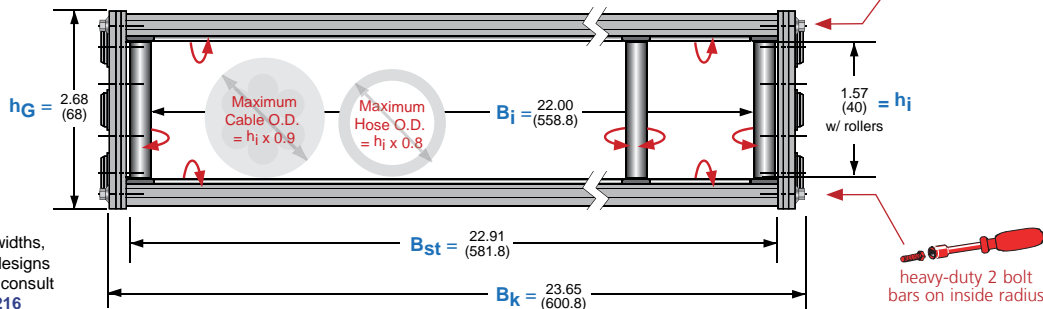
Recommended
MINIMUM
Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- dR = Diameter of roller dividers

S0950 - 22.00" - RMR - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width

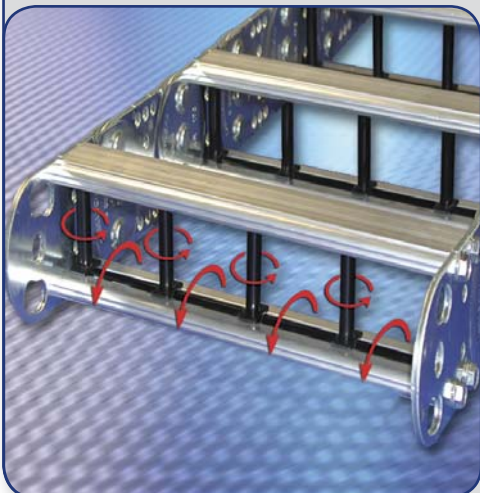


Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

VARITRAK S

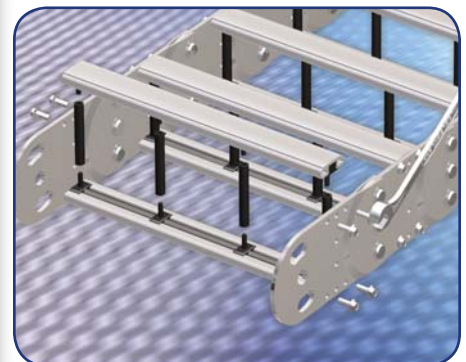
13

Why use RMR system

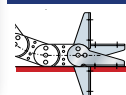


- By unscrewing the 2 bolts per bar at both ends of each bar and carefully removing the horizontal rollers and vertical rolling dividers, cables & hoses can be installed
- Ideal when heavy duty designs involving hoses are required.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bars with rolling Delrin® surfaces form nearly a frictionless cavity compartment.
- In-field serviceability.
- Exact widths are available to fit any application's width restrictions.

RMR System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

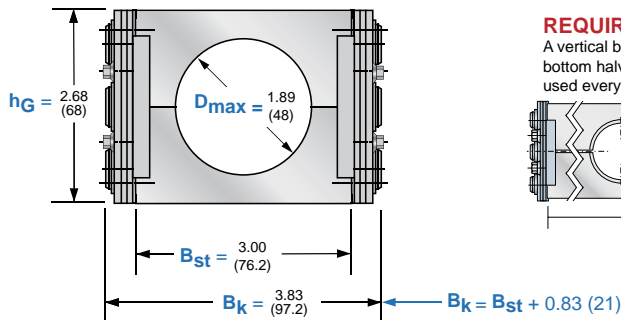
LG
Bar System

Features bolted-on heavy-duty split and bored aluminum bars

Bar Widths (B_{St}) are available from **3.00" (76.2 mm)** through **23.00" (584.2 mm)** in any width increment required by the customer.

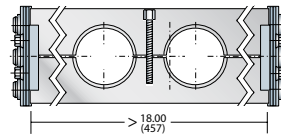
S0950 - 3.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MINIMUM** Width



REQUIRED

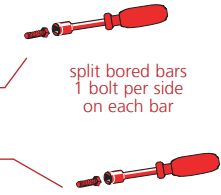
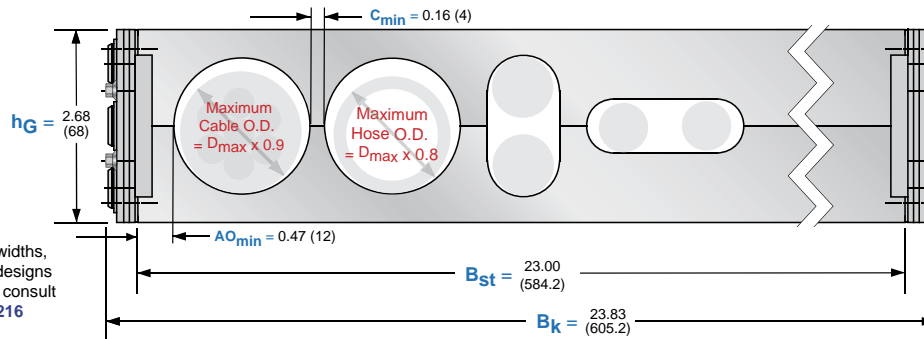
A vertical bolt connecting the top and bottom halves of the LG bars must be used every 18.00" (457 mm) of B_i .



- B_{St} = Cut bar length
- B_k = Outer chain width
- h_G = Outer chain link height
- D_{max} = Maximum hole diameter
- C_{min} = Minimum distance between holes
- a_{Omin} = Minimum hole offset from end

S0950 - 23.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MAXIMUM** Width



split bored bars
1 bolt per side
on each bar

Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use LG system

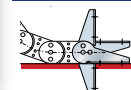


- By simply unscrewing 1 bolt per split-bar at both ends of each bar and sliding out the unbolted split-bar, cables & hoses can be easily installed (laid inside, in each specifically designed 1/2 round).
- Ideal when unique cables and hoses must be individually separated.
- Extremely rugged bolted-on bar construction forms an exceptionally strong "collar" surrounding individual contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bar design that is made to match the individual cable and/or hose sizes and types. Cable manufacturers' favorite system.
- In-field service possible.
- Exact widths are available to fit any application's width restrictions.

LG System Assembly Detail



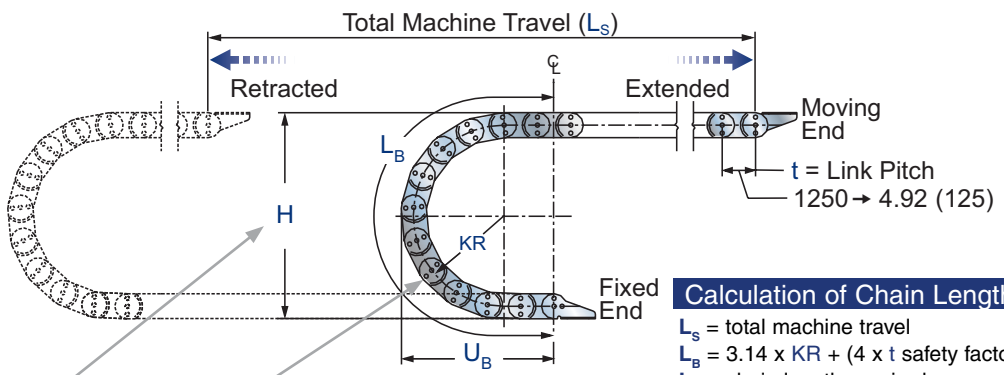
Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

GENERAL DATA

E	CONOMIC
V	ALUE
A	DDED
9	
<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 & much more at: www.kabelschlepp.com/varitraks.htm</p>	



Calculation of Chain Length

- L_s = total machine travel
 - $L_b = 3.14 \times KR + (4 \times t \text{ safety factor})$
 - 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 H*	Bend Radius KR**	Depot U_B	Loop Length L_B
1250 S				
Option A	15.12 (384)	5.71 (145)	17.40 (442)	37.60 (955)
Option B	19.45 (494)	7.87 (200)	19.57 (497)	44.41 (1128)
Option C	21.02 (534)	8.66 (220)	20.35 (517)	46.89 (1191)
Option D	24.17 (614)	10.24 (260)	21.93 (557)	51.85 (1317)
Option E	27.32 (694)	11.81 (300)	23.50 (597)	56.77 (1442)
Option F	30.47 (774)	13.39 (340)	25.08 (637)	61.73 (1568)
Option G	33.62 (854)	14.96 (380)	26.65 (677)	66.69 (1694)
Option H	39.92 (1014)	18.11 (460)	29.80 (757)	76.57 (1945)
Option I	43.07 (1094)	19.69 (500)	31.38 (797)	81.54 (2071)
Option J	50.94 (1294)	23.62 (600)	35.31 (897)	93.90 (2385)



Self-Supporting Lengths

Extended Travel:
 When application travel exceeds the self-supporting length of Varitrak S carrier systems, KS Support Rollers or Rolling Carriage Systems can be used to extend travel.

For more information on extended travel systems, see pages 2.27-2.36

* Bend Radius (KR) tolerance is +5% / -10%
 ** Bending radii 420 mm, 540 mm & 1000 mm available via **special order**. Consult factory for more information.



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

10 x S1250 - 22.00" - RS1 - 260 x 27 Links + MF/FF + 11v/2h

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

RS1

Bar System

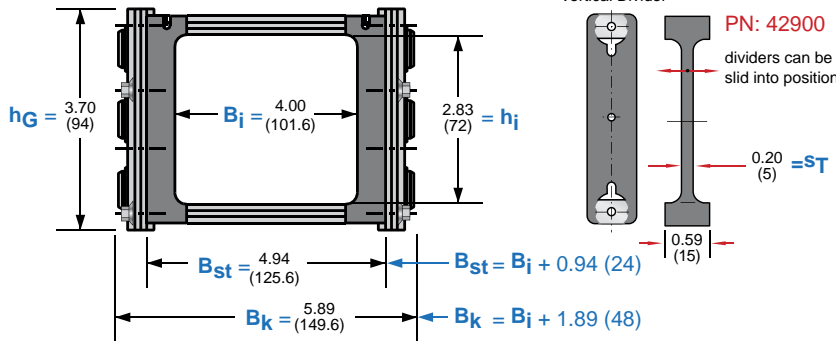
Features one twist in/out aluminum bar on the outer radius and one bolted-on aluminum bar on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **4.00" (101.6 mm)** through **14.00" (355.6 mm)**.

Ten **standard width** sizes are available from stock. **Custom widths** are also available in any width increment required by the customer.

S1250 - 4.00" - RS1 - (KR) - (# of links) - (brackets) - (dividers)

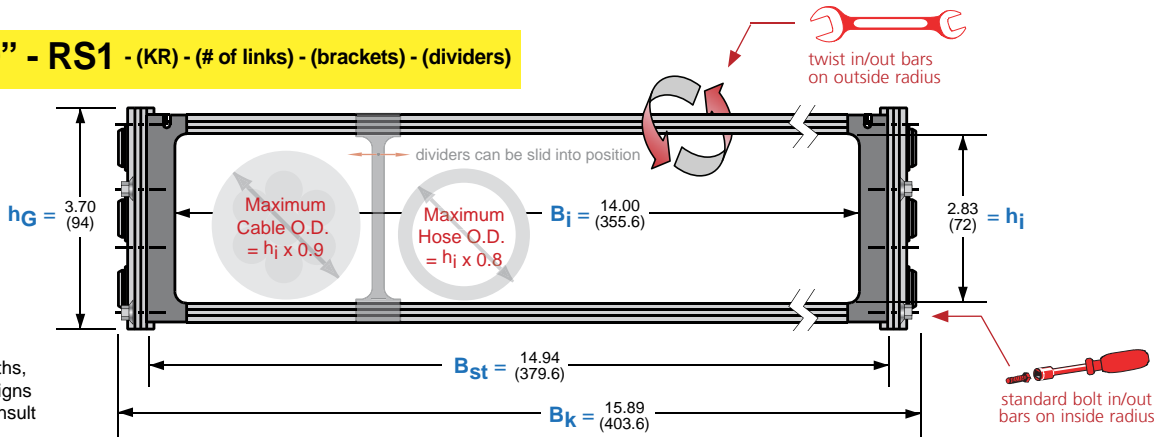
Recommended **MINIMUM** Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

S1250 - 14.00" - RS1 - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MAXIMUM** Width



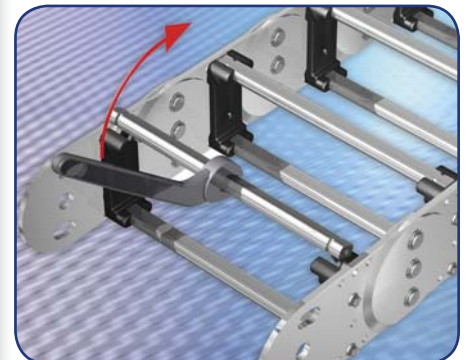
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RS1 system

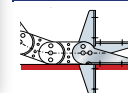


- Simply by twisting on or twisting off the aluminum bar 90 degrees, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when light weight and cost effective designs are required.
- By using one twist-in locking and one bolted-on bar construction an extremely strong "box" compartment is formed surrounding contents.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.
- Rolling round Delrin® sleeves can be added to RS1 bars for added protection of hoses (consult factory).

RS1 System Assembly



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

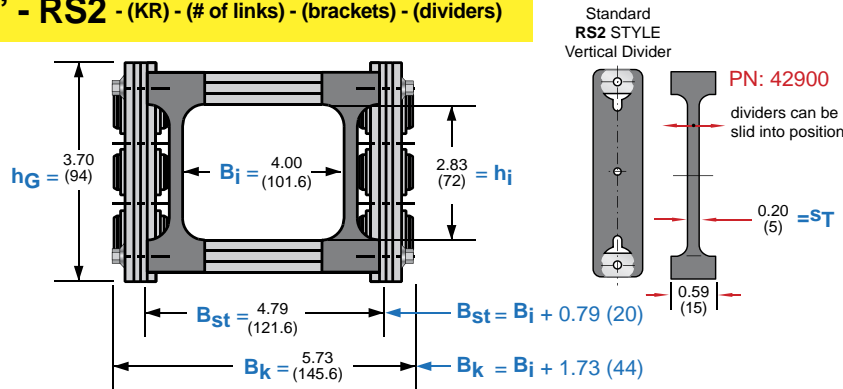
RS2

Bar System

Features bolted on aluminum bars on both the outer radius and the inner radius per frame stay. Usable Cavity Widths (B_i) are available from **4.00" (101.6 mm)** through **18.00" (457.2 mm)**. Ten **standard width** sizes are available from stock. **Custom widths** are also available in any width increment required by the customer.

S1250 - 4.00" - RS2 - (KR) - (# of links) - (brackets) - (dividers)

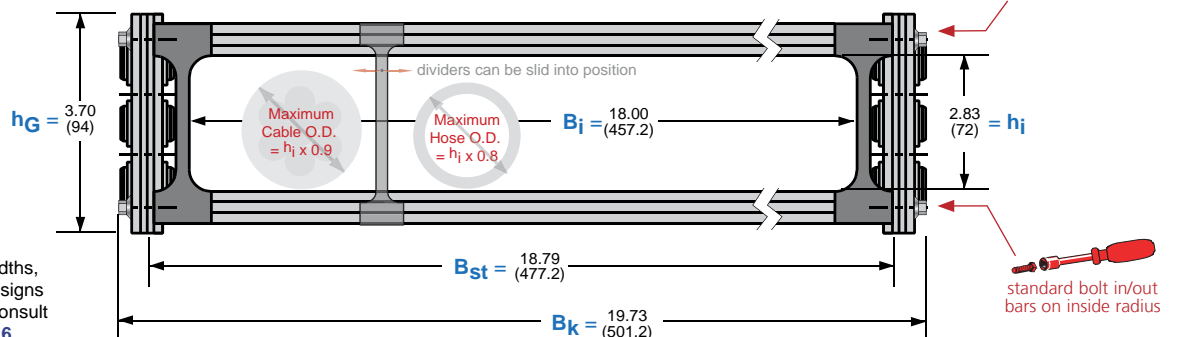
Recommended
MINIMUM
Width



B_{St} = Cut bar length
 B_k = Outer chain width
 B_i = Inner chain cavity (usable) width
 h_G = Outer chain link height
 h_i = Inner chain cavity (usable) height
ST = Vertical divider thickness

S1250 - 18.00" - RS2 - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width



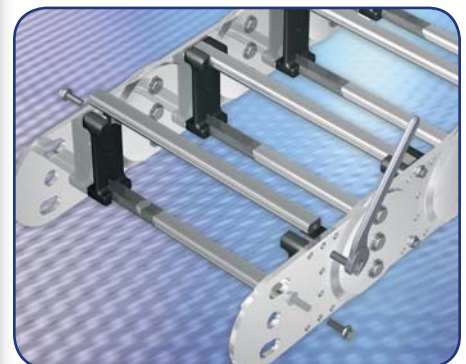
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RS2 system

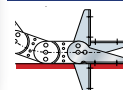


- By simply unscrewing the bolts at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when light weight and cost effective designs are required.
- Bolted-on bar construction forms a strong "box" compartment surrounding contents.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.
- Rolling round Delrin® sleeves can be added to RS2 bars for added protection of hoses (consult factory).

RS2 System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

RMS

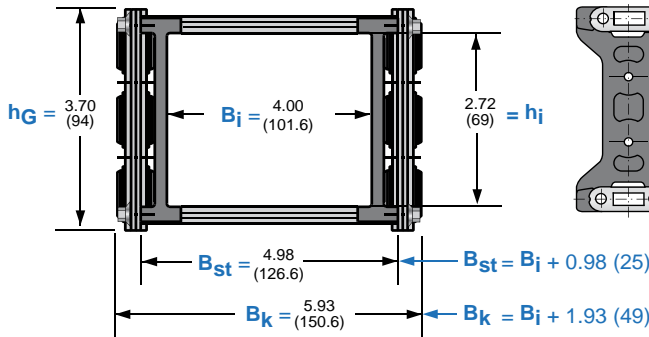
Bar System

Features heavy-duty double bolted-on aluminum bar on the outer radius and on the inner radius per frame stay.

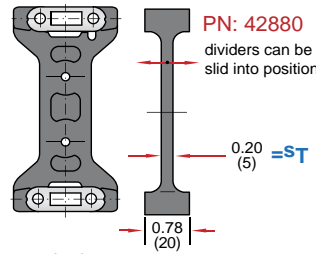
Usable Cavity Widths (B_i) are available from **4.00" (101.6 mm)** through **30.00" (762 mm)** in any width increment required by the customer.

S1250 - 4.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MINIMUM** Width



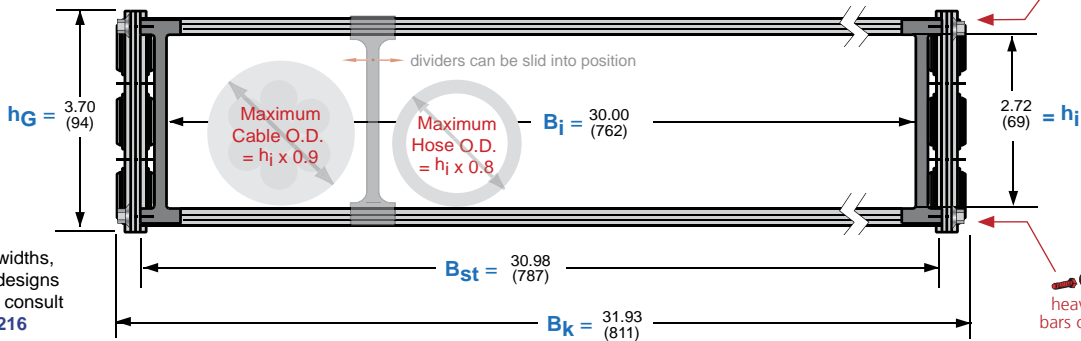
Standard RMS STYLE Vertical Divider



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

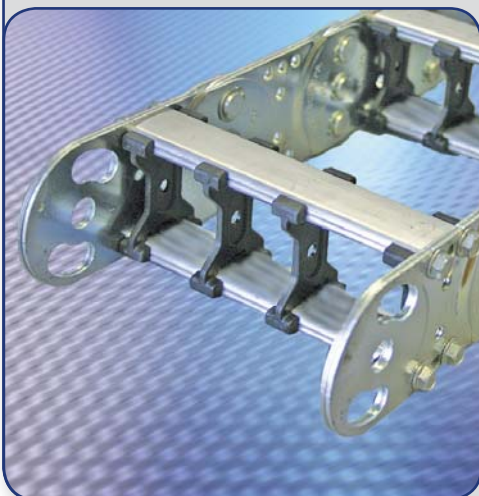
S1250 - 30.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MAXIMUM** Width



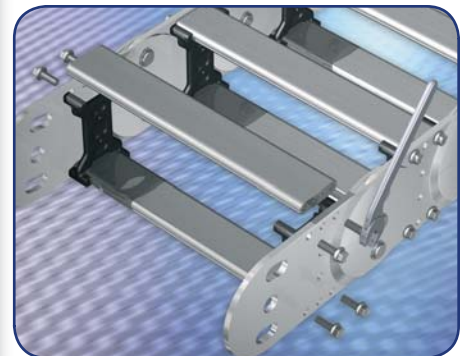
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMS system

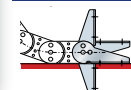


- By simply unscrewing the 2 bolts per bar at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when heavy duty and cost effective designs are required.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.

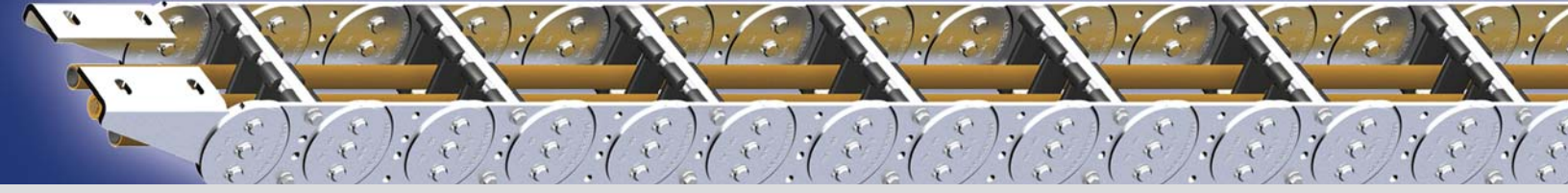
RMS System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33



RMR

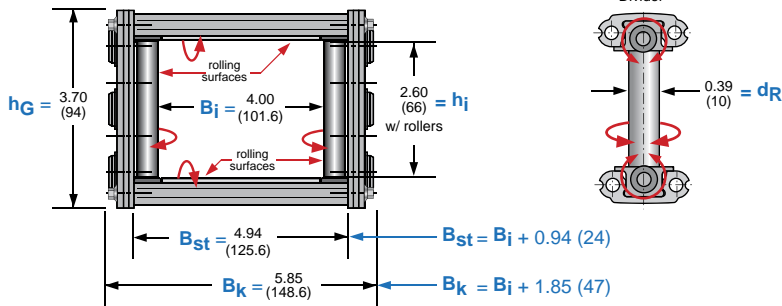
Bar System

Features heavy-duty double bolted-on aluminum bar with integrated roller system on the outer radius and on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **4.00" (101.6 mm)** through **30.00" (762 mm)** in any width increment required.

S1250 - 4.00" - RMR - (KR) - (# of links) - (brackets) - (dividers)

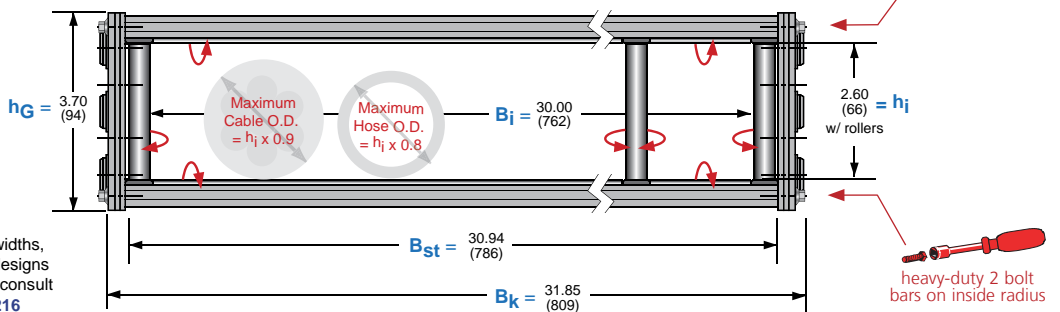
Recommended
MINIMUM
Width



- B_{St} = Cut bar length
- B_K = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- d_R = Diameter of roller dividers

S1250 - 30.00" - RMR - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width

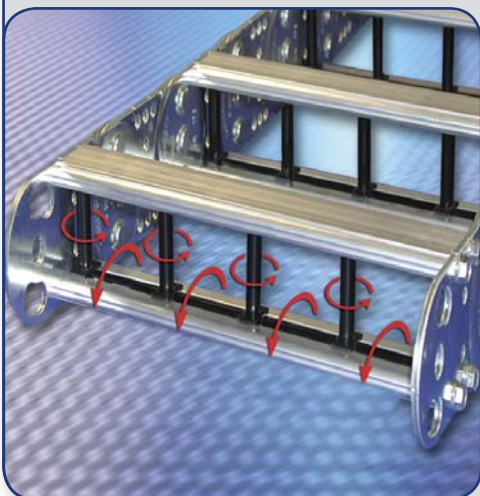


Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

VARITRAK S

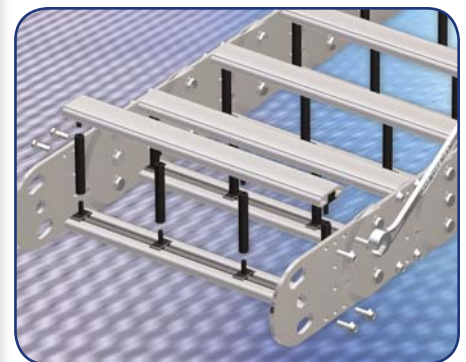
13

Why use RMR system

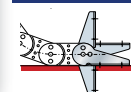


- Cables & hoses can be installed by unscrewing the 2 bolts per bar at both ends of each bar and carefully removing the horizontal rollers and vertical rolling dividers.
- Ideal when heavy duty designs involving hoses are required.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bars with rolling Delrin® surfaces form nearly a frictionless cavity compartment.
- In-field serviceability.
- Exact widths are available to fit any application's width restrictions.

RMR System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

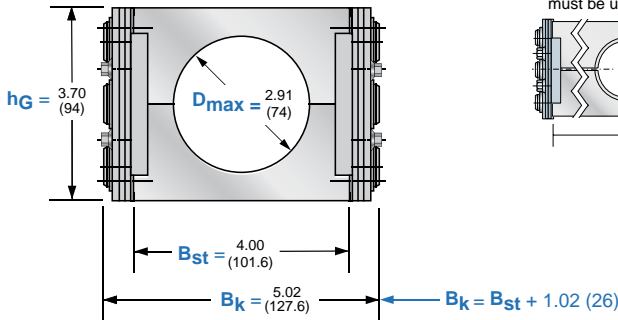
LG
Bar System

Features bolted-on heavy-duty split and bored aluminum bars.

Bar Widths (B_{St}) are available from **4.00" (101.6 mm)** through **30.50" (774.7 mm)** in any width increment required by the customer.

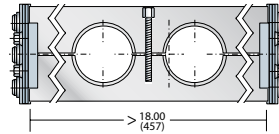
S1250 - 4.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MINIMUM** Width



REQUIRED

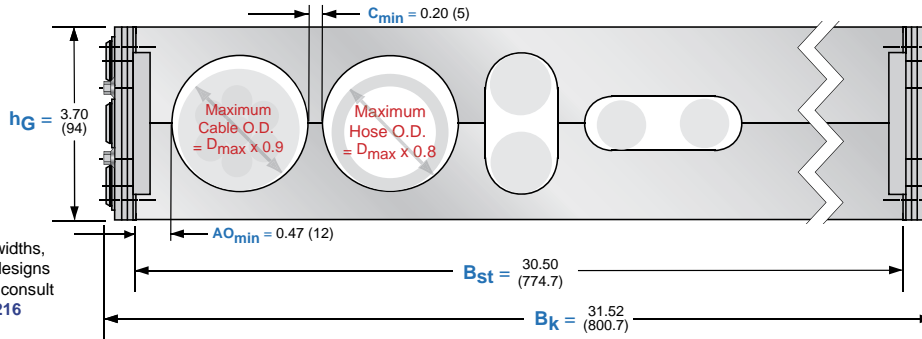
A vertical bolt connecting the top and bottom halves of the LG bars must be used every 16.00" of Bi.



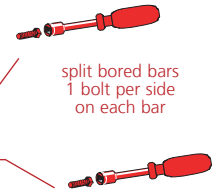
- B_{St} = Cut bar length
- B_k = Outer chain width
- h_G = Outer chain link height
- D_{max} = Maximum hole diameter
- C_{min} = Minimum distance between holes
- a_{Omin} = Minimum hole offset from end

S1250 - 30.50" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MAXIMUM** Width



Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216



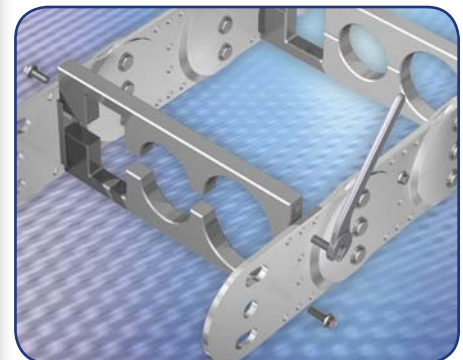
split bored bars
1 bolt per side
on each bar

Why use LG system

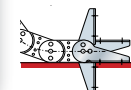


- By simply unscrewing 1 bolt per split-bar at both ends of each bar and sliding out the unbolted split-bar, cables & hoses can be easily installed (laid inside, in each specifically designed 1/2 round).
- Ideal when unique cables and hoses must be individually separated.
- Extremely rugged bolted-on bar construction forms an exceptionally strong "collar" surrounding individual contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bar design that is made to match the individual cable and/or hose sizes and types. Cable manufacturers' favorite system.
- In-field service possible.
- Exact widths are available to fit any application's width restrictions.

LG System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

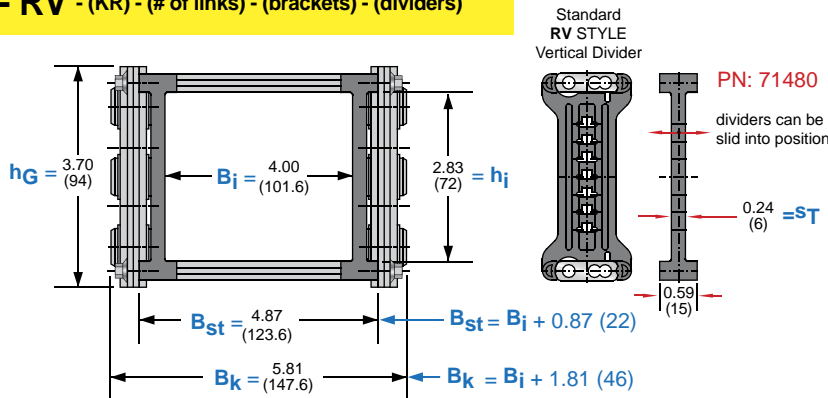
RV Bar System

Features medium-duty double bolted-on aluminum bar compatible with integrated easy snap-in vertical and horizontal divider system.

Usable Cavity Widths (B_i) are available from **4.00" (101.6 mm)** through **21.00" (533.4 mm)** in any width increment required.

S1250 - 4.00" - RV - (KR) - (# of links) - (brackets) - (dividers)

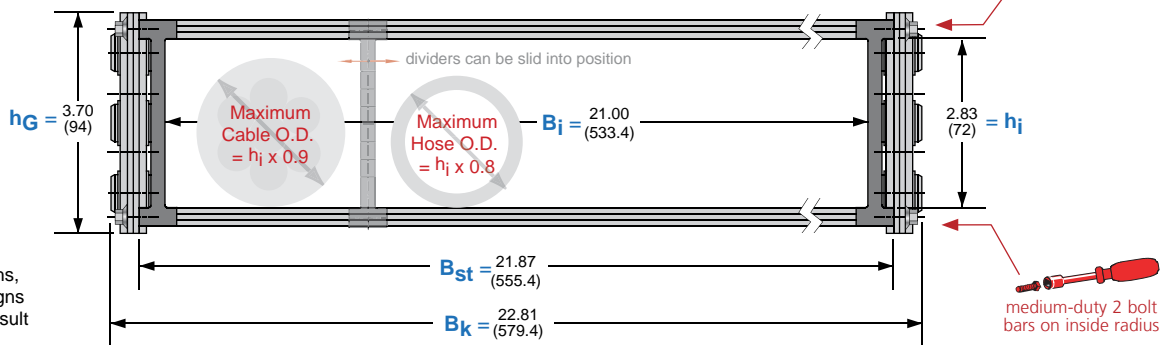
Recommended
MINIMUM
Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

S1250 - 21.00" - RV - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width



Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RV system

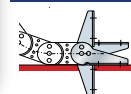


- Can be used with easy snap-in horizontal and vertical cavity partitioning system for simple and effective separation of cables and hoses within the cavity.
- Cables & hoses can be installed or serviced by unscrewing the 2 bolts per bar at both ends of each bar.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- In-field serviceability.
- Exact widths are available to fit any application's width restrictions.

RV System Assembly Detail



Mounting Bracket Options

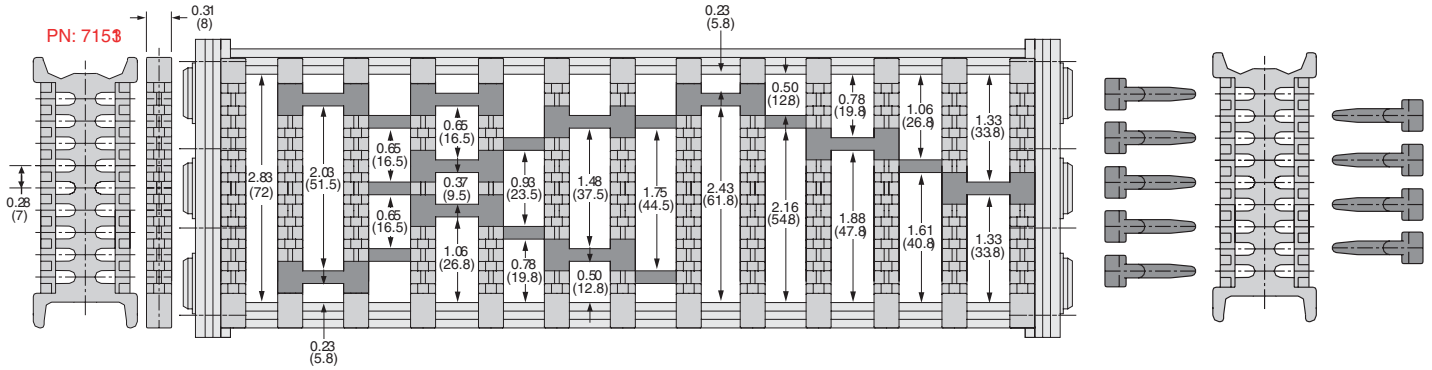


For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

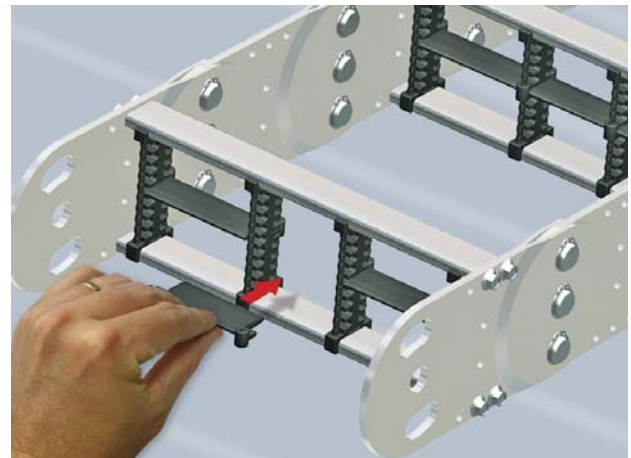
Varitrak 1250 RV Horizontal Shelving - optional widths

Series 1250 S

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 components part numbers (dividers and shelves) are clearly identified.



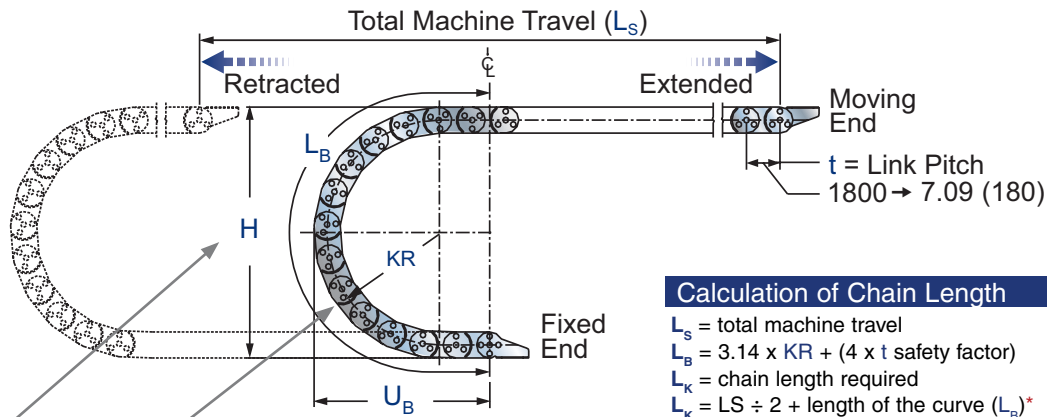
Dimension			
Part Number	Dimension		
	A	B	C
71514	0.63 (16)	0.31 (8)	0.18 (4.5)
52580	0.71 (18)	0.39 (10)	0.16 (4)
52581	0.91 (23)	0.59 (15)	0.16 (4)
52582	1.10 (28)	0.79 (20)	0.16 (4)
71515	1.26 (32)	0.94 (24)	0.18 (4.5)
52583	1.30 (33)	0.98 (25)	0.16 (4)
52584	1.50 (38)	1.18 (30)	0.16 (4)
52585	1.69 (43)	1.38 (35)	0.16 (4)
71516	1.89 (48)	1.57 (40)	0.18 (4.5)
52586	1.89 (48)	1.57 (40)	0.16 (4)
52587	2.28 (58)	1.97 (50)	0.16 (4)
71517	2.52 (64)	2.20 (56)	0.18 (4.5)
52588	2.68 (68)	2.63 (60)	0.16 (4)
52589	3.07 (78)	2.76 (70)	0.16 (4)
71518	3.15 (80)	2.83 (72)	0.18 (4.5)
52590	3.46 (88)	3.15 (80)	0.16 (4)
71519	3.78 (96)	3.46 (88)	0.18 (4.5)
71520	4.41 (112)	4.09 (104)	0.18 (4.5)
71521	5.04 (128)	4.72 (120)	0.18 (4.5)
71522	5.67 (144)	5.35 (136)	0.18 (4.5)
71523	6.30 (160)	5.98 (152)	0.18 (4.5)
71524	6.93 (176)	6.61 (168)	0.18 (4.5)
71525	7.56 (192)	7.24 (184)	0.18 (4.5)
71526	8.19 (208)	7.87 (200)	0.18 (4.5)



Horizontal shelves can be easily pressed and locked into place between the specially designed RV vertical dividers. This makes horizontal and vertical partitioning of the carrier's cavity easy to install and highly flexible to meet your application's unique needs.

GENERAL DATA

E	CONOMIC
V	ALUE
A	DEED
9	
<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 & much more at: www.kabelschlepp.com/varitraks.htm</p>	



Calculation of Chain Length

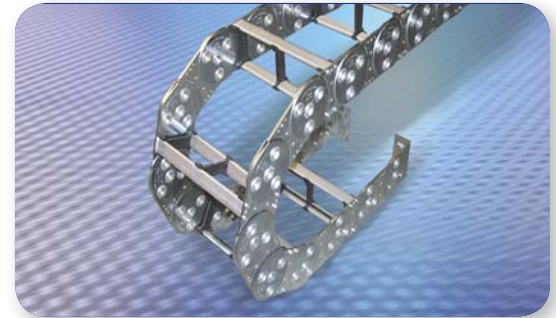
L_s = total machine travel
 L_b = $3.14 \times KR + (4 \times t \text{ safety factor})$
 L_k = chain length required
 $L_k = L_s \div 2 + \text{length of the curve } (L_b)^*$

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

Dimensions in inches (mm)

Technical Data

Series	Mounting Height H^*	Bend Radius KR^{**}	Depot U_B	Loop Length L_B
1800 S				
Option A	26.38 (670)	10.43 (265)	27.36 (695)	61.10 (1552)
Option B	30.71 (780)	12.60 (320)	29.53 (750)	67.91 (1725)
Option C	35.04 (890)	14.76 (375)	31.69 (805)	74.72 (1898)
Option D	39.76 (1010)	17.13 (435)	34.06 (865)	82.17 (2087)
Option E	44.09 (1120)	19.29 (490)	36.22 (920)	88.94 (2259)
Option F	53.15 (1350)	23.82 (605)	40.75 (1035)	103.15 (2620)



Self-Supporting Lengths

Extended Travel:
 When application travel exceeds the self-supporting length of Varitrak S carrier systems, KS Support Rollers or Rolling Carriage Systems can be used to extend travel.

For more information on extended travel systems, see pages 2.27-2.36

! * Bend Radius (KR) tolerance is +5% / -10%
 ** Bending radii 720mm, 890mm, 1175mm & 1405mm available via special order. Consult factory for more information.

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

8 x S1800 - 18.00" - RMS - 435 x 85 Links + MAI/FAI + 9v/1h

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

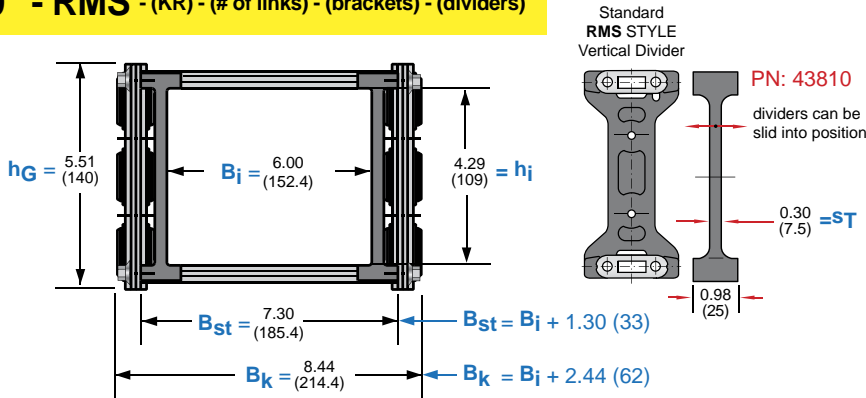
RMS
Bar System

Features heavy-duty double bolted-on aluminum bar on the outer radius and on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **6.00" (152.4 mm)** through **37.00" (939.8 mm)** in any width increment required by the customer.

S1800 - 6.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

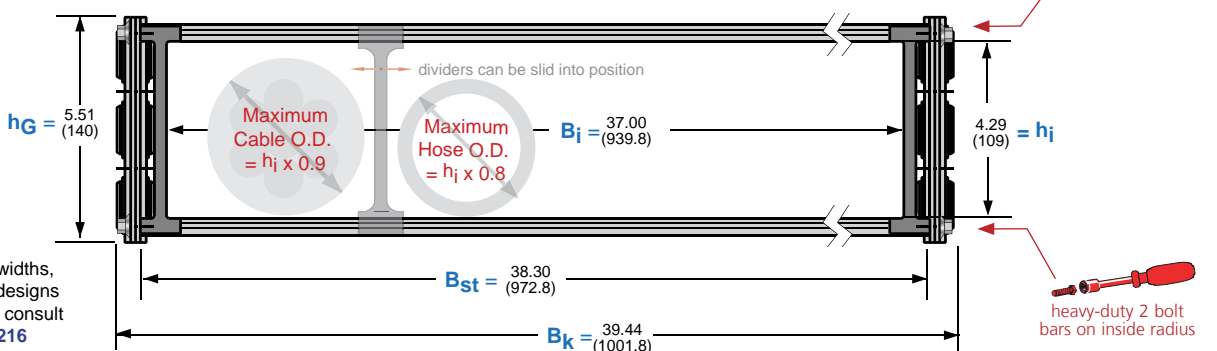
Recommended **MINIMUM** Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

S1800 - 37.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MAXIMUM** Width



Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMS system

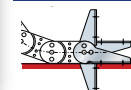


- By simply unscrewing the 2 bolts per bar at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when heavy duty and cost effective designs are required.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.

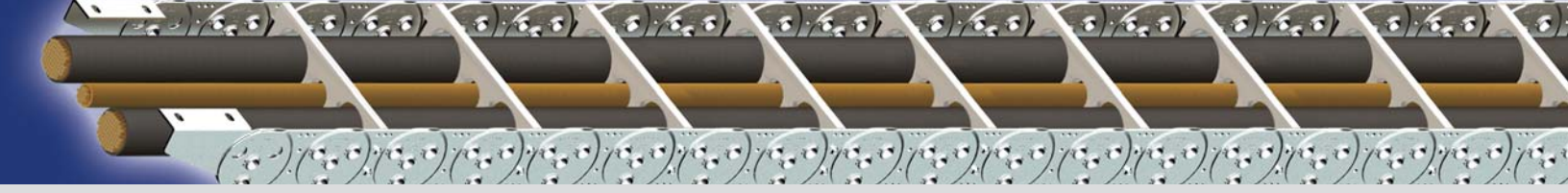
RMS System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33



RMR

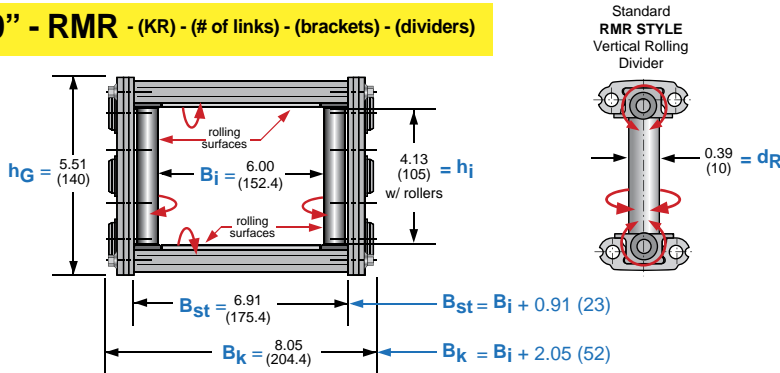
Bar System

Features heavy-duty double bolted-on aluminum bar with integrated roller system on the outer radius and on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **6.00" (152.4 mm)** through **38.00" (965.2 mm)** in any width increment required.

S1800 - 6.00" - RMR - (KR) - (# of links) - (brackets) - (dividers)

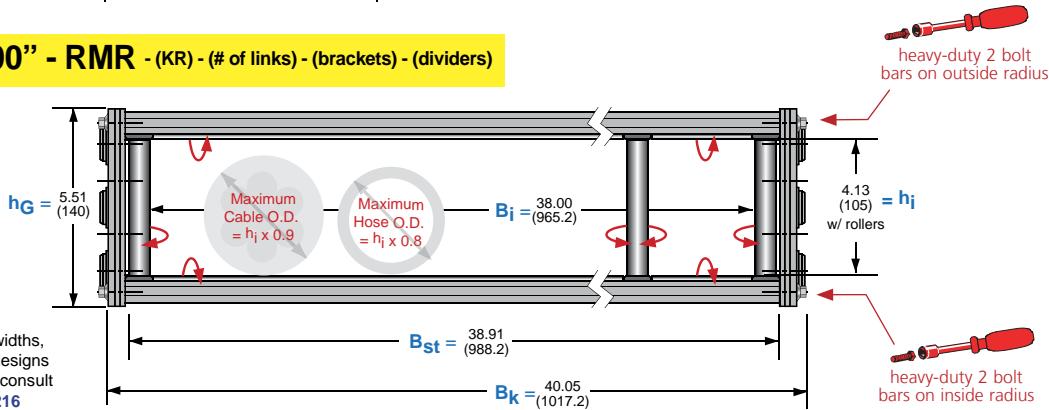
Recommended
MINIMUM
Width



- B_{St} = Cut bar length
- B_K = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- dR = Diameter of roller dividers

S1800 - 38.00" - RMR - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width

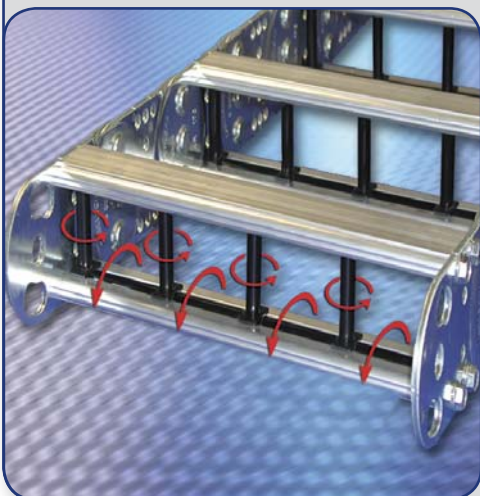


Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

VARITRAK S

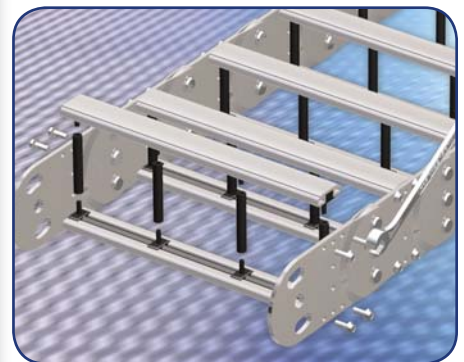
13

Why use RMR system

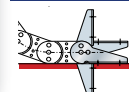


- By unscrewing the 2 bolts per bar at both ends of each bar and carefully removing the horizontal rollers and vertical rolling dividers, cables & hoses can be installed
- Ideal when heavy duty designs involving hoses are required.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bars with rolling Delrin® surfaces form nearly a frictionless cavity compartment.
- In-field serviceability.
- Exact widths are available to fit any application's width restrictions.

RMR System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

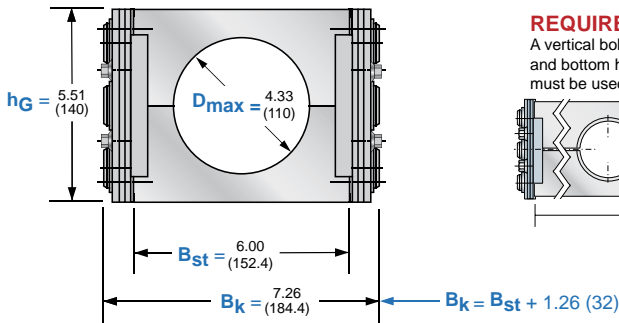
LG
Bar System

Features bolted-on heavy-duty split and bored aluminum bars

Bar Widths (B_{st}) are available from **6.00" (152.4 mm)** through **39.00" (990.6 mm)** in any width increment required by the customer.

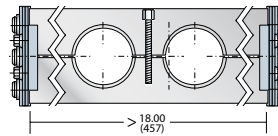
S1800 - 6.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MINIMUM** Width



REQUIRED

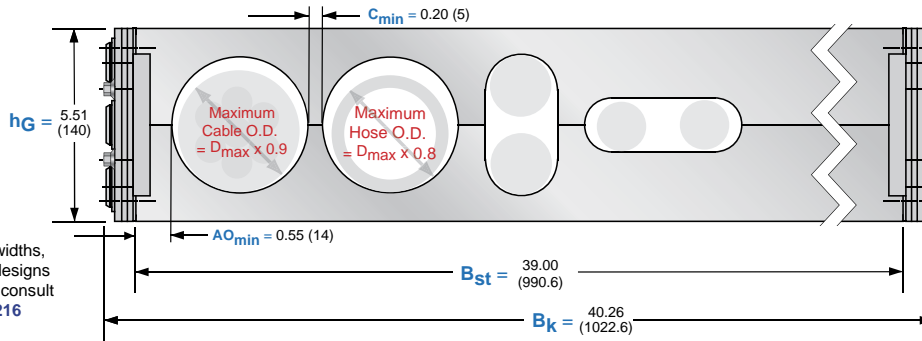
A vertical bolt connecting the top and bottom halves of the LG bars must be used every 16.00" of Bl.



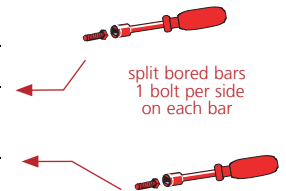
- B_{st} = Cut bar length
- B_k = Outer chain width
- h_G = Outer chain link height
- D_{max} = Maximum hole diameter
- C_{min} = Minimum distance between holes
- $a_{o_{min}}$ = Minimum hole offset from end

S1800 - 39.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MAXIMUM** Width



Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

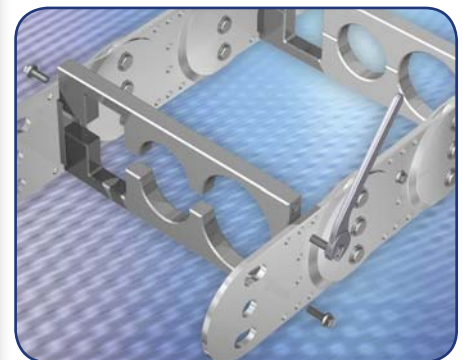


Why use LG system

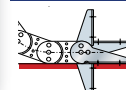


- By simply unscrewing 1 bolt per split-bar at both ends of each bar and sliding out the unbolted split-bar, cables & hoses can be easily installed (laid inside, in each specifically designed 1/2 round).
- Ideal when unique cables and hoses must be individually separated.
- Extremely rugged bolted-on bar construction forms an exceptionally strong "collar" surrounding individual contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bar design that is made to match the individual cable and/or hose sizes and types. Cable manufacturers' favorite system.
- In-field service possible.
- Exact widths are available to fit any application's width restrictions.

LG System Assembly Detail



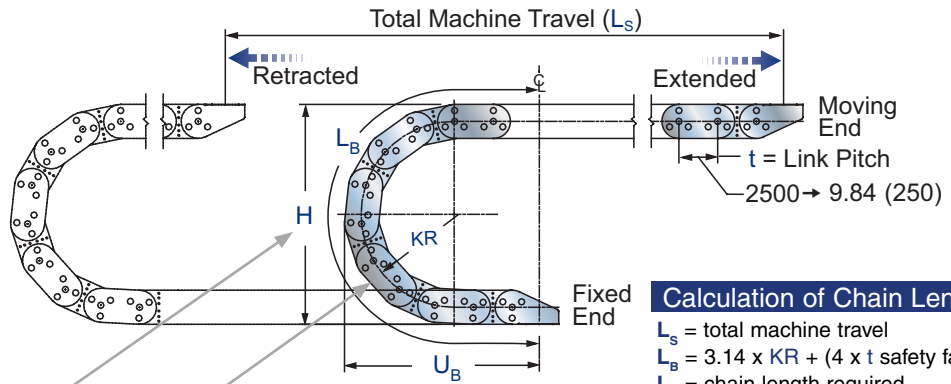
Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.32 - 13.33

GENERAL DATA

E	CONOMIC
V	ALUE
A	DDED
9	
<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 & much more at: www.kabelschlepp.com/varitraks.htm</p>	



Calculation of Chain Length

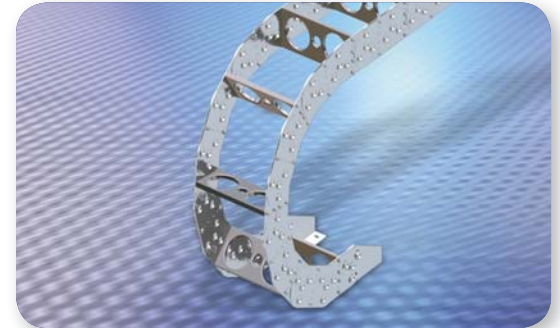
- L_s = total machine travel
 - $L_B = 3.14 \times KR + (4 \times t \text{ safety factor})$
 - L_K = chain length required
 - $L_K = L_s \div 2 + \text{length of the curve } (L_B)^*$
- * Assumes the Fixed Point is located at the Center of the Total Machine Travel.

Dimensions in inches (mm)

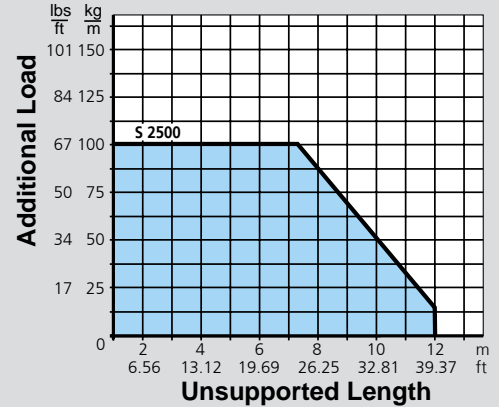
Technical Data

Series	Mounting Height H	Bend Radius KR*	Depot UB	Loop Length LB
2500 S				
Option A	37.40 (950)	14.37 (365)	38.39 (975)	84.51 (2147)
Option B	43.70 (1110)	17.52 (445)	41.54 (1055)	94.41 (2398)
Option C	55.91 (1420)	23.62 (600)	47.64 (1210)	113.58 (2885)
Option D	68.50 (1740)	29.92 (760)	53.94 (1370)	133.37 (3388)
Option E	81.10 (2060)	36.22 (920)	60.24 (1530)	153.16 (3890)
Option F	93.31 (2370)	42.32 (1075)	66.34 (1685)	172.33 (4377)
Option G	105.91 (2690)	48.62 (1235)	72.64 (1845)	192.12 (4880)
Option H	118.50 (3010)	54.92 (1395)	78.94 (2005)	211.91 (5383)

! * Bend Radius (KR) tolerance is +5% / -10%



Self-Supporting Lengths



Extended Travel:

When application travel exceeds the self-supporting length of Varitrak S carrier systems, KS Support Rollers or Rolling Carriage Systems can be used to extend travel.



For more information on extended travel systems, see pages 2.27-2.36

Number of Systems Req.	x	Carrier Type	+	Cavity Width (Bi)	+	Type Frame Stay	+	Bend Radius	x	# of Links Length	+	Type & Position Brackets	+	Dividers (#vert / #horz)
10	x	S2500	-	30.72"	-	RMS	-	760	x	63 Links	+	MA/FI	+	15v/3h

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

VARITRAK S
13

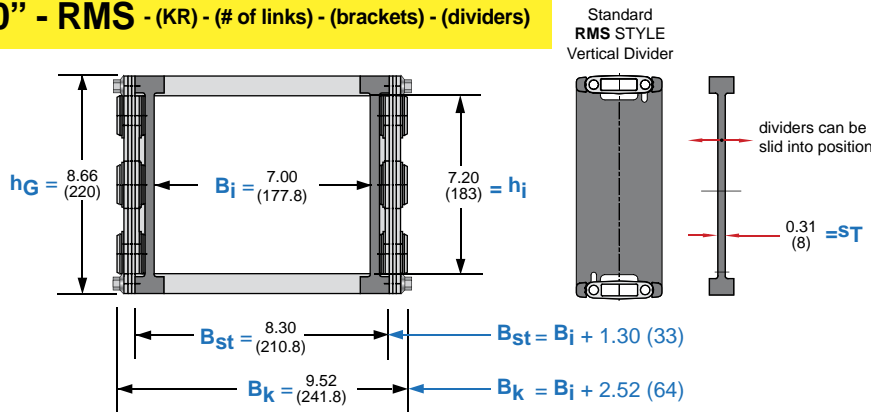
RMS
Bar System

Features heavy-duty double bolted-on aluminum bar on the outer radius and on the inner radius per frame stay.

Usable Cavity Widths (B_i) are available from **7.00" (177.8 mm)** through **56.00" (1422.4 mm)** in any width increment required by the customer.

S2500 - 7.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

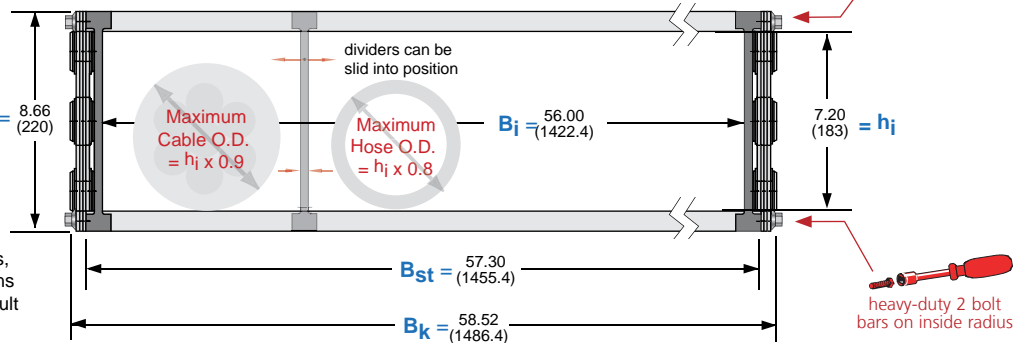
Recommended **MINIMUM** Width



- B_{St} = Cut bar length
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_g = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

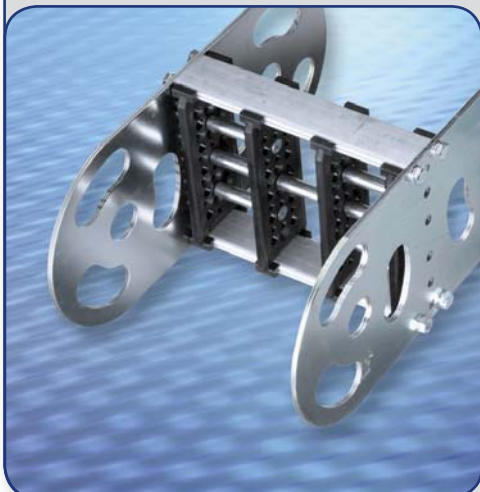
S2500 - 56.00" - RMS - (KR) - (# of links) - (brackets) - (dividers)

Recommended **MAXIMUM** Width



Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMS system

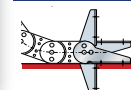


- By simply unscrewing the 2 bolts per bar at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside).
- Ideal when heavy duty and cost effective designs are required.
- Extremely rugged bolted-on bar construction forms an extremely strong "box" compartment surrounding contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application's width restrictions.

RMS System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.34 - 13.35

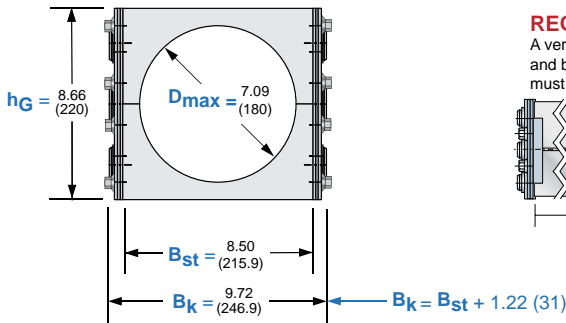
LG Bar System

Features bolted-on heavy-duty split and bored aluminum bars

Bar Widths (B_{st}) are available from 8.50" (215.9 mm) through 46.00" (1168.4 mm) in any width increment required by the customer.

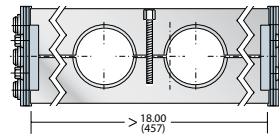
S2500 - 8.50" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended
MINIMUM
Width



REQUIRED

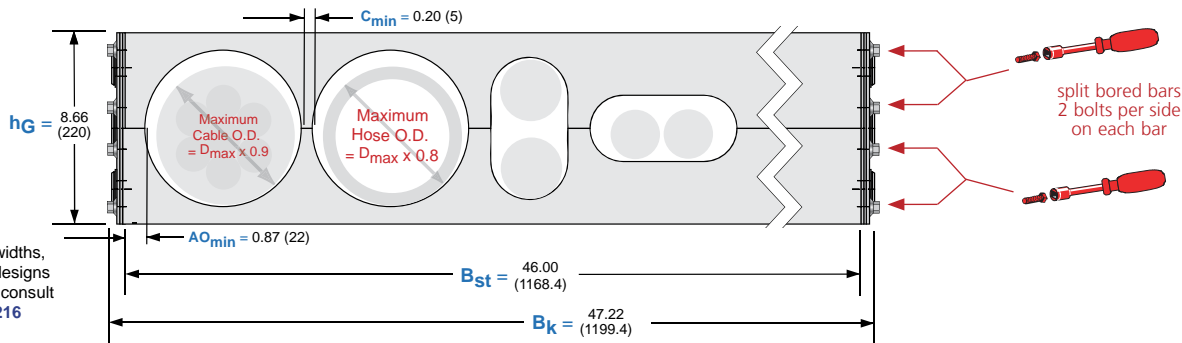
A vertical bolt connecting the top and bottom halves of the LG bars must be used every 18.00" of Bl.



- B_{st} = Cut bar length
- B_k = Outer chain width
- h_G = Outer chain link height
- D_{max} = Maximum hole diameter
- C_{min} = Minimum distance between holes
- ao_{min} = Minimum hole offset from end

S2500 - 46.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended
MAXIMUM
Width



Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

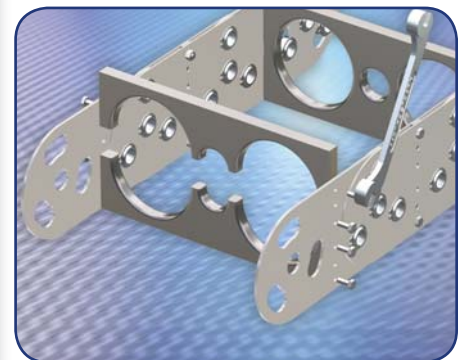
VARITRAK S

Why use LG system

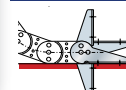


- By simply unscrewing 2 bolts per split-bar at both ends of each bar and sliding out the unbolted split-bar, cables & hoses can be easily installed (laid inside, in each specifically designed 1/2 round).
- Ideal when unique cables and hoses must be individually separated.
- Extremely rugged bolted-on bar construction forms an exceptionally strong "collar" surrounding individual contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bar design that is made to match the individual cable and/or hose sizes and types. Cable manufacturers' favorite system.
- In-field service possible.
- Exact widths are available to fit any application's width restrictions.

LG System Assembly Detail



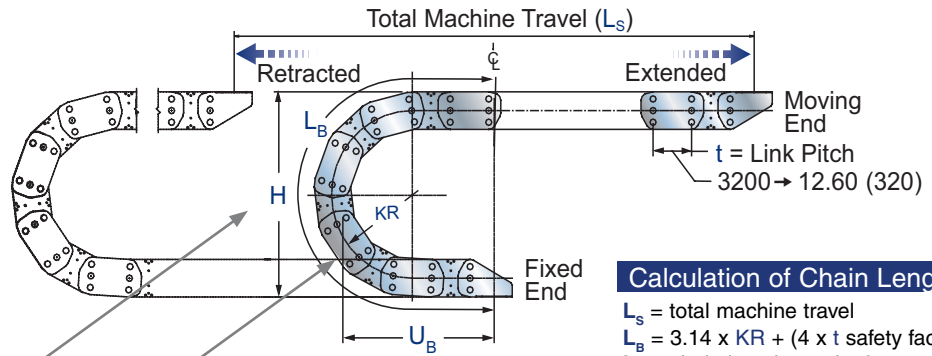
Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.34 - 13.35

GENERAL DATA

E	CONOMIC
V	ALUE
A	DDED
9	
<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 & much more at: www.kabelschlepp.com/varitraks.htm</p>	



Calculation of Chain Length

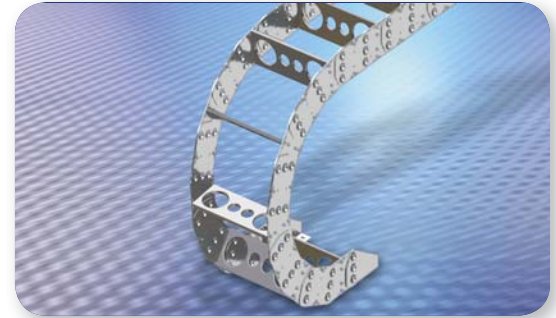
L_s = total machine travel
 $L_b = 3.14 \times KR + (4 \times t \text{ safety factor})$
 L_k = chain length required
 $L_k = L_s \div 2 + \text{length of the curve } (L_b)^*$

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

Dimensions in inches (mm)

Technical Data

Series	Mounting Height H_{min}	Bend Radius KR^*	Depot U_B	Loop Length L_B
3200 S				
Option A	48.82 (1240)	18.50 (470)	49.61 (1260)	108.53 (2757)
Option B	64.57 (1640)	26.38 (670)	57.48 (1460)	133.26 (3385)
Option C	80.31 (2040)	34.25 (870)	65.35 (1660)	158.00 (4013)
Option D	96.46 (2450)	42.32 (1075)	73.43 (1865)	183.35 (4657)
Option E	112.20 (2850)	50.20 (1275)	81.30 (2065)	208.09 (5286)
Option F	128.35 (3260)	58.27 (1480)	89.37 (2270)	233.45 (5930)
Option G	152.36 (3870)	70.28 (1785)	101.38 (2575)	271.17 (6888)



Self-Supporting Lengths

Extended Travel:
 When application travel exceeds the self-supporting length of Varitrak S carrier systems, KS Support Rollers or Rolling Carriage Systems can be used to extend travel.

For more information on extended travel systems, see pages 2.27-2.36

! * Bend Radius (KR) tolerance is +5% / -10%
 ** Bending radii 350 mm, & 410 mm available via *special order*. Consult factory for more information.

Number of **Systems Req.** x Carrier **Type** + Bar Width (**B_{St}**) + Type **Frame Stay** + Bend **Radius** x # of Links **Length** + Type & Position **Brackets** + # of **Holes**

10 x S3200 - 42.50" - LG - 1275 x 42 Links + MI/FI + 33

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

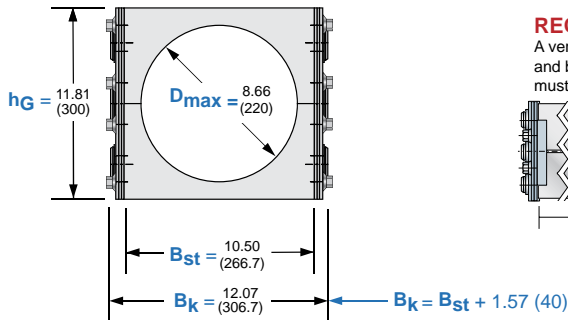
LG
Bar System

Features bolted-on heavy-duty split and bored aluminum bars.

Bar Widths (B_{st}) are available from **10.50" (266.7 mm)** through **57.00" (1447.8 mm)** in any width increment required by the customer.

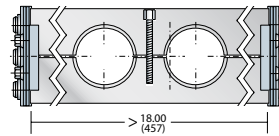
S3200 - 10.50" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MINIMUM** Width



REQUIRED

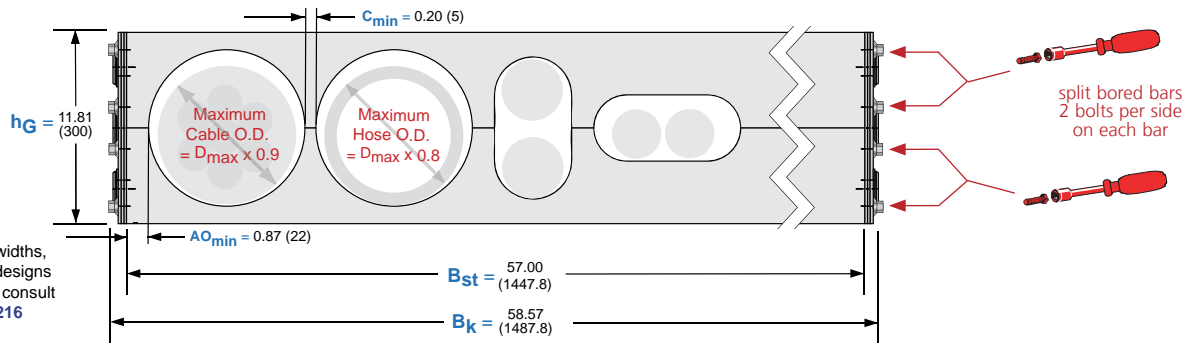
A vertical bolt connecting the top and bottom halves of the LG bars must be used every 16.00" of Bl.



- B_{st} = Cut bar length
- B_k = Outer chain width
- h_G = Outer chain link height
- D_{max} = Maximum hole diameter
- C_{min} = Minimum distance between holes
- $a_{o_{min}}$ = Minimum hole offset from end

S3200 - 57.00" - LG - (KR) - (# of links) - (brackets) - (holes)

Recommended **MAXIMUM** Width



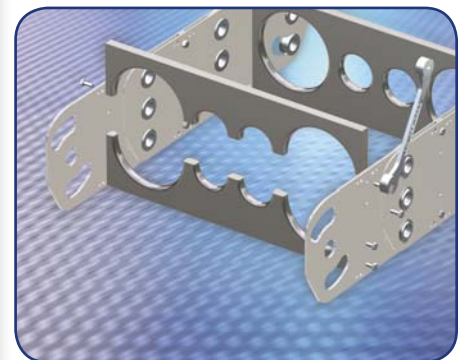
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use LG system

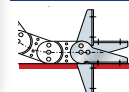


- By simply unscrewing 2 bolts per split-bar at both ends of each bar and sliding out the unbolted split-bar, cables & hoses can be easily installed (laid inside, in each specifically designed 1/2 round).
- Ideal when unique cables and hoses must be individually separated.
- Extremely rugged bolted-on bar construction forms an exceptionally strong "collar" surrounding individual contents that resists twisting and deformation under load.
- Smooth cable friendly and strong aluminum bar design that is made to match the individual cable and/or hose sizes and types. Cable manufacturers' favorite system.
- In-field service possible.
- Exact widths are available to fit any application's width restrictions.

LG System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 13.34 - 13.35

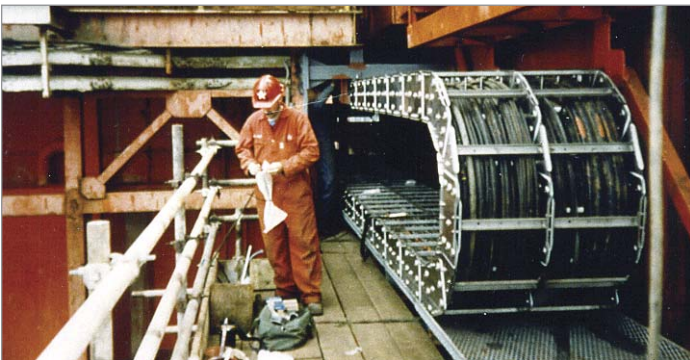
SUPER-DUTY Steel Cable and Hose Carrier Systems



Varitrak Series S/SX 5000, 6000, 7000 and Larger

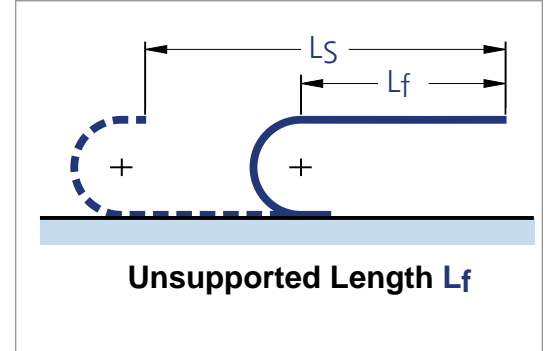
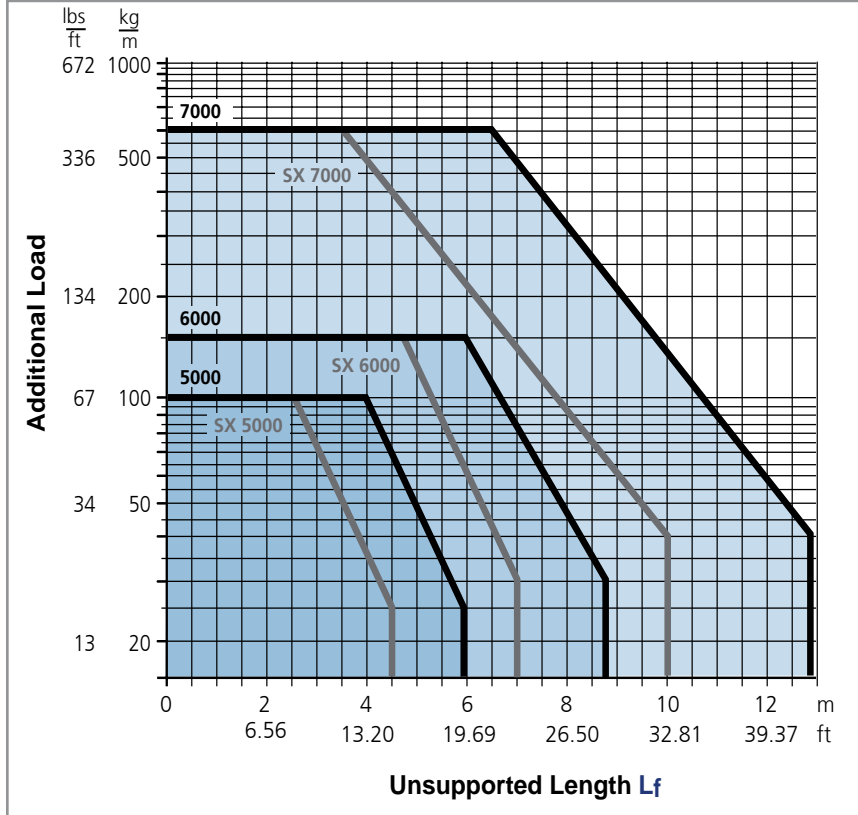
Do you have an application that is super-sized? KabelSchlepp has a long and successful history of supplying Super-Duty Cable and Hose Carrier systems in a wide range of industries and applications. Using standard components and proven technologies, KabelSchlepp Super-Duty Steel Cable and Hose Carrier Systems can be custom manufactured to meet your individual application requirements. Call your KabelSchlepp factory representative at 1-800-443-4216 for complete information and design assistance!

- Rugged Super-Duty systems that can be scaled to meet EXTREME size and load requirements.
- Available in high-grade galvanized (Type S) or stainless steel (Type SX) with a variety of environment and application specific coatings.
- Utilizing standard components and cutting edge manufacturing technology, systems can be designed, manufactured and installed in record time.
- Select from a wide variety of frame stay and partitioning options custom configured to your unique needs.
- Work with a team of dependable and experienced engineers who understand the unique requirements of super-duty applications to ensure project success.



General Data for Super-Duty Steel Systems

Self-Supporting Length



When a Super-Duty carrier system's self-supporting length is exceeded, KabelSchlepp can incorporate a KS Rolling Carriage System to provide adequate support over the entire distance of travel. See Extended Travel Systems section of the Technical Handbook pages 2.27-2.36 for more information.

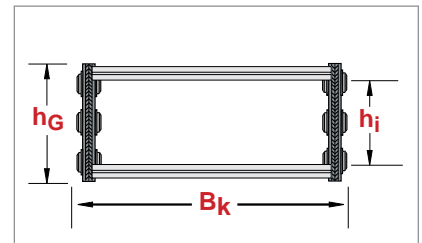
Dimensional Data

Dimensions in inches (mm)

Series	(t) Link Pitch	h_j max	h_g	B_k min	B_k max
S/SX 5000	t = 7.87 (200)	5.91 (150)	7.87 (200)	9.84 (250)	47.24 (1200)
S/SX 6000	t = 12.60 (320)	9.45 (240)	11.81 (300)	11.81 (300)	59.06 (1500)
S/SX 7000	t = 17.72 (450)	14.57 (370)	17.72 (450)	13.78 (350)	70.87 (1800)

Larger systems and special designs are possible.

Call your KabelSchlepp factory representative at 1-800-443-4216 for complete information and design assistance!

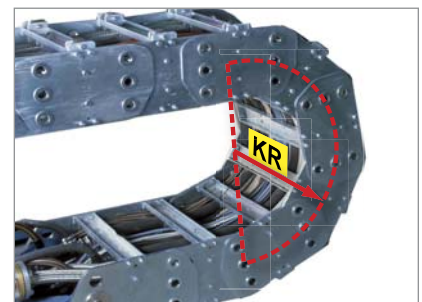


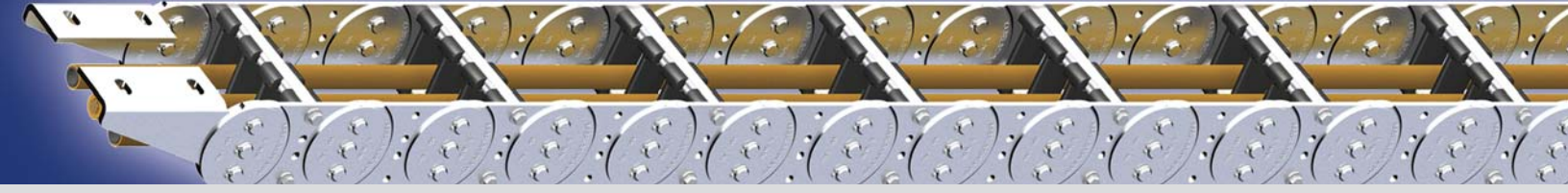
Available Bend Radii (KR)

Dimensions in inches (mm)

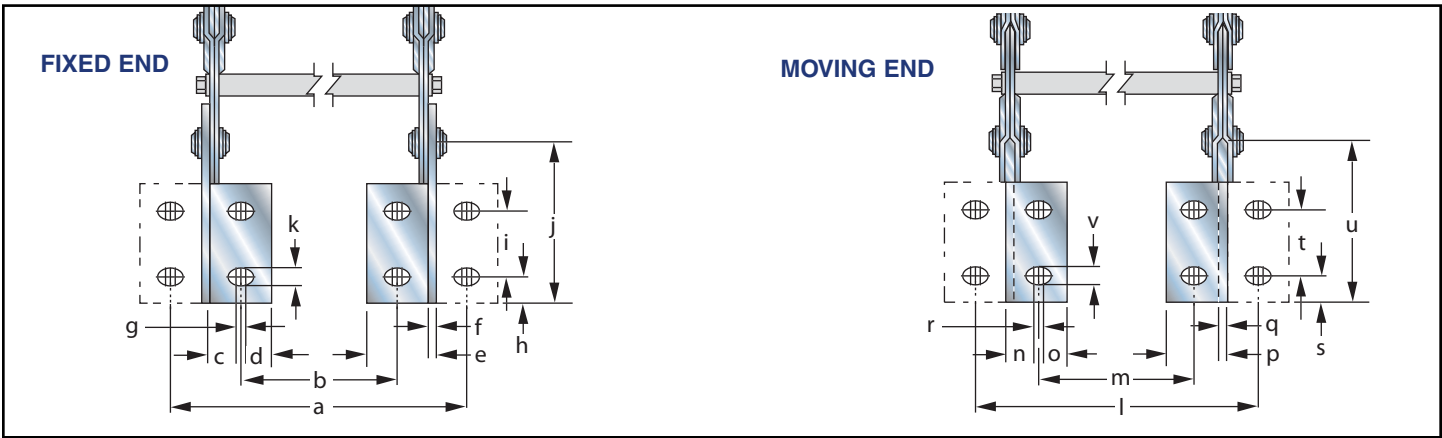
Series	Bend Radii (KR)				
S/SX 5000	19.69 (500)	23.62 (600)	31.50 (800)	39.37 (1000)	47.24 (1200)
S/SX 6000	27.56 (700)	35.43 (900)	43.31 (1100)	51.18 (1300)	59.06 (1500)
S/SX 7000	43.31 (1100)	49.21 (1250)	59.06 (1500)	70.87 (1800)	94.49 (2400)

Application specific bend radii are possible upon request.





VARITRAK Series S Standard Mounting Brackets for 0650, 0950, 1250, 1800



Standard Mount - Fixed End Brackets

Dimensions in inches (mm)

Size	a	b	c	d	e	f	g	h	i	j	k
S0650	$B_k + 0.98$ (25)	$B_k - 1.45$ (37)	0.68 (17)	0.51 (13)	1.18 (30)	0.12 (3)	0.20 (5)	0.59 (15)	1.77 (45)	3.74 (95)	0.25 (6.4)
S0950	$B_k + 1.93$ (49)	$B_k - 2.48$ (63)	1.18 (30)	0.98 (25)	2.16 (55)	0.15 (4)	0.39 (10)	0.79 (20)	2.55 (65)	4.91 (125)	0.33 (8.4)
S1250	$B_k + 1.81$ (46)	$B_k - 2.52$ (64)	1.18 (30)	0.98 (25)	2.16 (55)	0.19 (5)	0.39 (10)	0.98 (25)	3.14 (80)	6.09 (155)	0.41 (10.5)
S1800	$B_k + 2.08$ (53)	$B_k - 3.03$ (77)	1.38 (35)	0.98 (25)	2.36 (60)	0.19 (5)	0.39 (10)	1.18 (30)	4.52 (115)	8.25 (210)	0.51 (13)

Standard Mount - Moving End Brackets

Dimensions in inches (mm)

Size	l	m	n	o	p	q	r	s	t	u	v
S0650	$B_k + 0.75$ (19)	$B_k - 1.69$ (43)	0.68 (17)	0.51 (13)	1.18 (30)	0.12 (3)	0.20 (5)	0.59 (15)	1.77 (45)	3.74 (95)	0.25 (6.4)
S0950	$B_k + 1.61$ (41)	$B_k - 2.79$ (71)	1.18 (30)	0.98 (25)	2.16 (55)	0.16 (4)	0.39 (10)	0.79 (20)	2.55 (65)	4.91 (125)	0.33 (8.4)
S1250	$B_k + 1.41$ (36)	$B_k - 2.91$ (74)	1.18 (30)	0.98 (25)	2.16 (55)	0.20 (5)	0.39 (10)	0.98 (25)	3.14 (80)	6.09 (155)	0.41 (10.5)
S1800	$B_k + 1.61$ (41)	$B_k - 3.46$ (88)	1.38 (35)	0.98 (25)	2.36 (60)	0.20 (5)	0.39 (10)	1.18 (30)	4.52 (115)	8.25 (210)	0.51 (13)

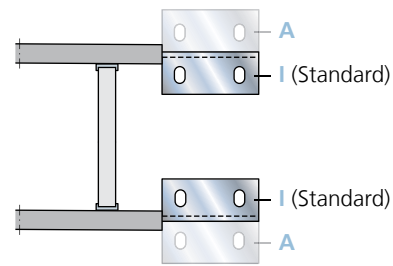
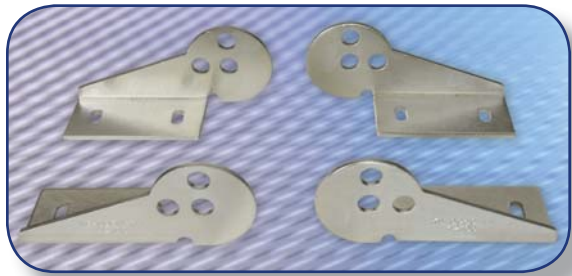
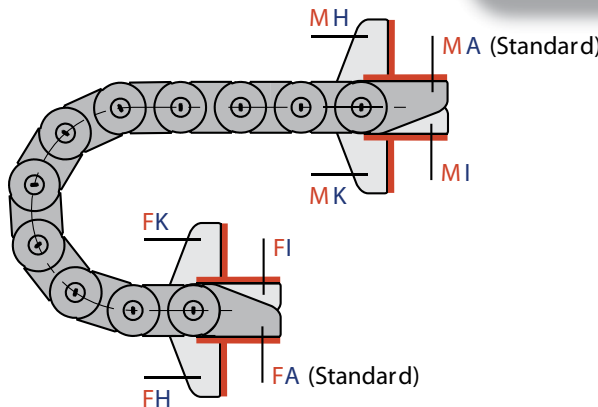
Varittrak S Standard Bracket Position Options

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
- F** - face/flange mount (see opposite page)



Bracket feet on the standard brackets can be positioned facing inward (I) which is the standard position or facing outward (A).

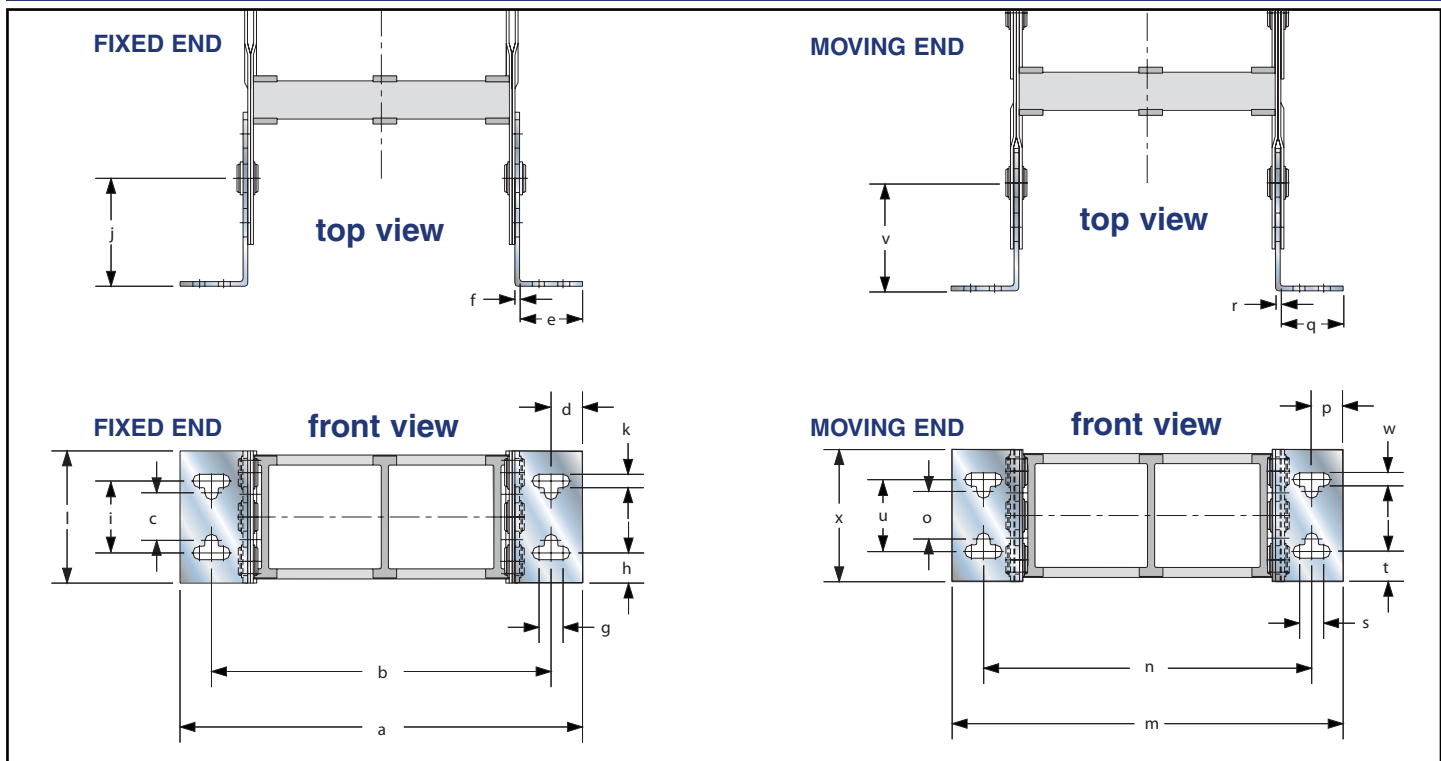
Please specify the desired bracket variant and position when ordering

Example: FA/MAI (Standard) or FAA/MI

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

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

VARITRAK Series S Face Mount Brackets For 0950, 1250, 1800



Face Mount - Fixed End Brackets

Dimensions in inches (mm)

Size	a	b	c	d	e	f	g	h	i	j	k	l
S0950	$B_i + 4.84$ (122.9)	$B_i + 3.09$ (78.5)	-	0.88 (22.4)	1.75 (44.5)	0.16 (4)	0.75 (19.1)	0.50 (12.7)	3.00 (88.9)	3.50 (88.9)	0.41 (10.4)	4.00 (101.6)
S1250	$B_i + 5.27$ (133.9)	$B_i + 3.52$ (89.4)	-	0.88 (22.4)	1.75 (44.5)	0.18 (4.6)	0.75 (19.1)	0.50 (12.7)	3.00 (88.9)	3.50 (88.9)	0.41 (10.5)	4.00 (101.6)
S1800	$B_i + 7.39$ (187.7)	$B_i + 4.78$ (124.4)	2.00 (50.8)	1.31 (33.3)	2.63 (66.8)	0.20 (5.1)	1.00 (25.4)	1.26 (32)	3.00 (88.9)	4.50 (114.3)	0.56 (14.2)	5.51 (140)

Face Mount - Moving End Brackets

Dimensions in inches (mm)

Size	m	n	o	p	q	r	s	t	u	v	w	x
S0950	$B_i + 4.52$ (114.8)	$B_i + 2.77$ (70.4)	-	0.88 (22.4)	1.75 (44.5)	0.16 (4)	0.75 (19.1)	0.50 (12.7)	3.00 (88.9)	3.50 (88.9)	0.41 (10.4)	4.00 (101.6)
S1250	$B_i + 4.88$ (124)	$B_i + 3.13$ (79.5)	-	0.88 (22.4)	1.75 (44.5)	0.18 (4.6)	0.75 (19.1)	0.50 (12.7)	3.00 (88.9)	3.50 (88.9)	0.41 (10.5)	4.00 (101.6)
S1800	$B_i + 6.92$ (175.8)	$B_i + 4.29$ (109)	2.00 (50.8)	1.31 (33.3)	2.63 (66.8)	0.20 (5.1)	1.00 (25.4)	1.26 (32)	3.00 (88.9)	4.50 (114.3)	0.56 (14.2)	5.51 (140)

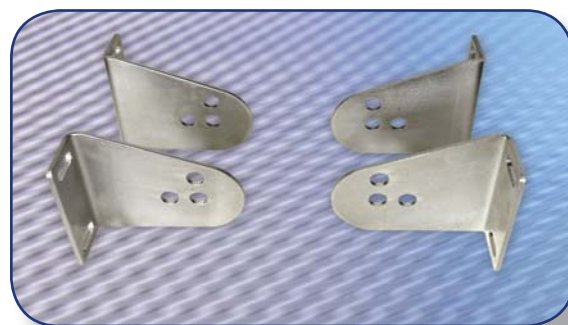
Varittrak S Face/Flange Mount Bracket

Bracket End

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

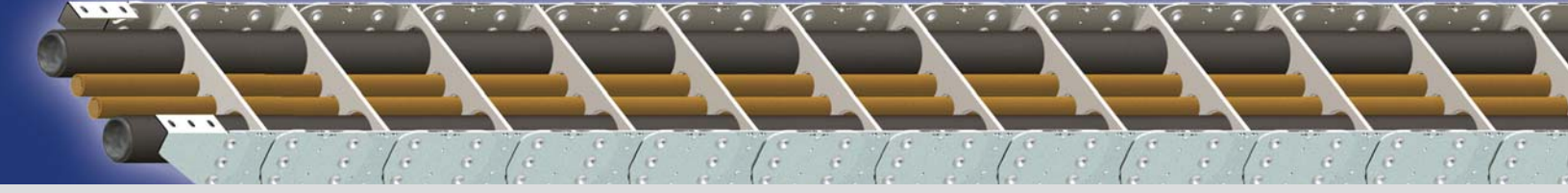
Bracket Designation

F - Face Mount Bracket (standard position)



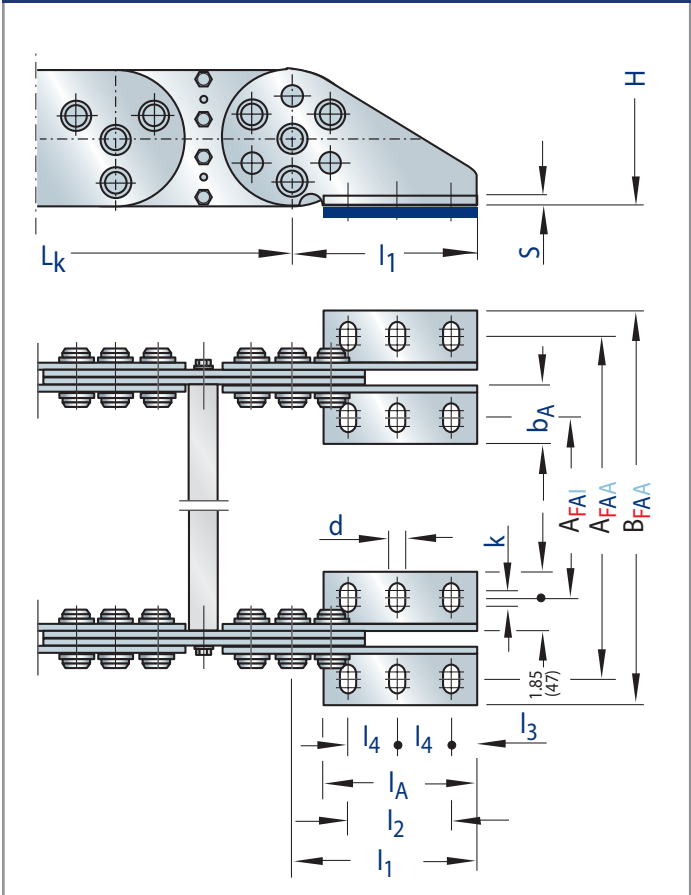
When specifying Varittrak S Face Mount Brackets, use the letter **F** for the Bracket Position designation of the assembly part number description.

Example: FF/MF

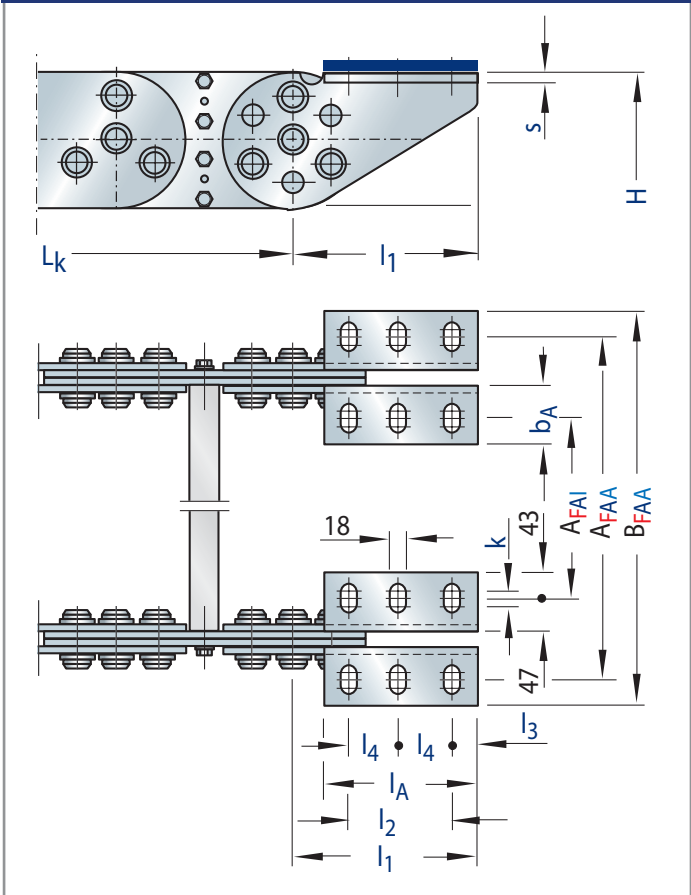


VARITRAK S Series Standard Mounting Brackets For S/SX 2500 & S/SX 3200

Fixed End Bracket



Moving End Bracket



Standard Mounting Bracket Dimensions for S 2500 and S 3200 Systems

Dimensions in inches (mm)

Size	l_1	l_2	l_3	l_4	l_A	b_A	d	k	s
S 2500	11.81 (300)	6.69 (170)	1.57 (40)	3.35 (85)	9.84 (250)	3.54 (90)	0.71 (18)	0.59 (15)	0.24 (6)
S 3200	13.78 (350)	7.87 (200)	1.97 (50)	3.94 (100)	11.81 (300)	4.33 (110)	0.87 (22)	0.79 (20)	0.24 (6)

Size	AFAI	AFAA	BFAA	AMAI	AMAA	BMAA
S 2500	$B_k - 4.96$ (126)	$B_k + 2.91$ (74)	$B_k + 6.30$ (160)	$B_k - 4.96$ (126)	$B_k + 2.91$ (74)	$B_k + 6.30$ (160)
S 3200	$B_k - 6.06$ (154)	$B_k + 3.54$ (90)	$B_k + 7.72$ (196)	$B_k - 6.06$ (154)	$B_k + 3.54$ (90)	$B_k + 7.72$ (196)

KabelSchlepp mounting brackets for Varittrak S 2500 and 3200 series carriers are available in both standard steel (S) or high-grade stainless steel (SX).



Toll Free: 1.888.822.2024 Fax: 1.519.822.2140
 Email: info@ipandc.com Web: www.ipandc.com



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

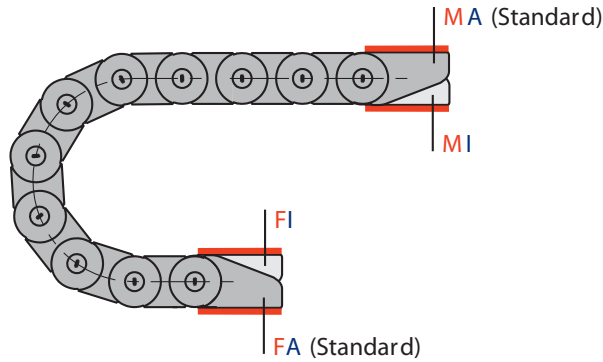
VARITRAK S/SX 2500 & S/SX 3200 Bracket Position Options

Bracket End

- M - Moving End
- F - Fixed End

Bracket Position

- A - connecting surface on outside radius (standard)
- I - connecting surface on inside radius



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.

VARITRAK S Series Mounting Brackets For S/SX 5000, 6000, & 7000

KabelSchlepp mounting brackets for Varitrak 5000, 6000 and 7000 S/SX series carriers are available in both standard steel (S) or high-grade stainless steel (SX). Custom designed brackets per system requirements are also available. Call your KabelSchlepp factory representative at 1-800-443-4216 for complete information and design assistance!