M Series

Multi-variable cable carrier with extensive accessories and frame-stay variants*

- TÜV design approved in accordance with 2PfG 1036/10.97**
- Universal Mounting Brackets (UMB)
- Aluminum stay option with ball joint
- Can be opened quickly on the inside and the outside for easy cable installation
- MC Series Aluminum stays available in the exact width you require
- MK/ME Series Plastic stays available in 4, 8 or 16 mm width sections
- MT RMD Tube Series Aluminum cover available in 1 mm width sections
- MT Tube Series Plastic cover available in 8 or 16 mm width sections
- Large choice of stay systems and ways of separating the cables

- Locking bolts
- Enclosed stop system protected from dirt/contamination
- Dividers can be fixed in place
- C-Rail for strain relief elements
- Minimized hinge wear owing to the “life extending 2 disc principle”
- Replaceable glide shoes
- Extremely robust due to stable plate construction
- Solid plate construction, enclosed impact system
- Easy-to-fit with locking bolts
- Replaceable glide shoes for long service life for gliding applications

* Some features can be different for certain types for design reasons. Our specialists are happy to advise you.
** not MC 1300
Specifications are subject to change without notice.

KSA-L15015-GC

VARITRAK MC

Total Machine Travel (LS)

Extended
Moving End

t = Link Pitch

Retracted

H

UB

KR

Calculation of Chain Length

\[ L_B = \text{total machine travel} \]

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

\[ L_K = LS ÷ 2 + \text{length of the curve (L_B)}^* \]

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

Dimensions in inches (mm)

Reverse Bend Radius (RKR) links are available for long travel systems that require a lowered mounting height. Consult factory for details.

How To Order
1-800-443-4216

Number of Systems Req. x Carrier Type + Cavity Width (B1) + Type Frame Stay + Bend Radius x # of Links Length + Type & Position Brackets + Dividers (#vert / #horz)

4 x MC0320 - 10.00” - RS - 37 x 32 Links + FA/MA + 2v/0h

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

Technical Data

Series
MC 0320

Mounting Height
H

Option A
4.00 (101.5)

Option B
4.78 (121.5)

Option C
7.15 (181.5)

Option D
8.96 (227.5)

Option E
16.83 (427.5)

Bend Radius
KR

Option A
1.46 (37)

Option B
1.85 (47)

Option C
3.03 (77)

Option D
3.94 (100)

Option E
7.87 (200)

Depot Length
UB

Option A
3.27 (83)

Option B
3.66 (93)

Option C
4.84 (123)

Option D
5.75 (146)

Option E
9.69 (246)

Loop Length
LB

Option A
7.13 (181)

Option B
8.35 (212)

Option C
12.05 (306)

Option D
14.92 (379)

Option E
17.28 (693)

Self-Supporting Lengths

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

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

How To Order
1-800-443-4216

Number of Systems Req. x Carrier Type + Cavity Width (B1) + Type Frame Stay + Bend Radius x # of Links Length + Type & Position Brackets + Dividers (#vert / #horz)

4 x MC0320 - 10.00” - RS - 37 x 32 Links + FA/MA + 2v/0h

Specifications are subject to change without notice.

KSA-L15015-GC

VARITRAK MC
**RS Bar System**

Features twist in/out aluminum bars on the inner radius and press-fit locked in aluminum bars on the outer radius.

Usable Cavity Widths ($B_i$) are available from 1.00” (25.4 mm) through 10.00” (254 mm) in any width increment required by the customer.

**MC0320 - 1.00”- RS** - (KR) - (# of links) - (brackets) - (dividers)

**MC0320 - 10.00”- RS** - (KR) - (# of links) - (brackets) - (dividers)

---

**Why use RS system**

- Simply by twisting on or twisting off the inside radius 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 bar on the inside radius and one press-fit non-removeable bar on the outside radius, 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.

---

**RS System Assembly Detail**

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see pages: 17.04

---

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

---

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

Please specify the desired bracket variant and position when ordering.

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

The bracket positions at the Fixed End and Moving End can be changed later if required.
### DESIGN AND LAYOUT NOTES

| Name: ___________________________ | Date: __________________________ |
| Dept.: __________________________ | Phone: ______________ Fax: ______ |
| Company: _________________________ | Machine Type/Name: ______________ |
| Address: _________________________ | ________________________________ |
**Specifications are subject to change without notice.**

KSA-L15015-GC

**VARIO-LINE**

**17**

**VARITRAK MC**

**Total Machine Travel (Ls)**

- **Retracted**
  - \( L_B \)
- **Moving End**
  - **Extended**
  - \( L_R \)
- \( t = \text{Link Pitch} \)
- \( 0.475/0.3 \) right

**UB**

**LB**

- **Fixed End**
- \( t = \) Link Pitch
- \( 0.475/0.3 \) right

**How To Order**

1-800-443-4216

**Roller Chain Dimensions**

- **Series MC 0475**
  - **Mounting Height** \( H \)
  - **Bend Radius** \( KR \)
  - **Depot** \( U_B \)
  - **Loop Length** \( L_B \)

<table>
<thead>
<tr>
<th>Option</th>
<th>Mounting Height ( H )</th>
<th>Bend Radius ( KR )</th>
<th>Depot ( U_B )</th>
<th>Loop Length ( L_B )</th>
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<tr>
<td>A</td>
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<td>25.16 (639)</td>
<td>11.81 (300)</td>
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**Additional Data**

- **Reverse Bend Radius (RKR) links are available for long travel systems that require a lowered mounting height. Consult factory for details.**

**How To Order**

1-800-443-4216

**How To Order**

1-800-443-4216

**Self-Supporting Lengths**

- **Type MC 0475**
- **Type & Position Brackets (vert / horz)**
- **Dividers (vert / horz)**

**Extended Travel:**

When application travel exceeds the self-supporting length of the carrier, Varitrak MC carrier systems are designed to glide on themselves in a guide-channel.
Features twist in/out aluminum bars on the inner radius and outer radius.

Usable Cavity Widths \( (B_i) \) are available from 1.00” (25.4 mm) through 14.00” (355.6 mm) in any width increment required by the customer.

### RS Bar System

**MC0475 - 1.00” - RS**

- **Recommended MINIMUM Width**
  - \( h_G = 1.54 \) (39)
  - \( B_i = 1.00 \) (25.4)
  - \( 1.10 = h_i \)
  - \( B_k = 1.67 \) (42.4)
  - \( B_k = B_i + 0.67 \) (17)

**MC0475 - 14.00” - RS**

- **Recommended MAXIMUM Width**
  - \( h_G = 1.54 \) (39)
  - \( B_i = 14.00 \) (355.6)
  - \( 1.10 = h_i \)
  - \( B_k = 14.67 \) (372.6)

**Why use RS 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 twist-in locking aluminum bars on the inside radius and outside radius, 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 RS bars for added protection of hoses (consult factory).

**RS System Assembly Detail**

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see page: 17.08

Specifications are subject to change without notice. KAG190310-10
VARITRAK MC MOUNTING BRACKETS

Varitrak 0475M brackets can be configured in a variety of positions to accommodate your application’s unique requirements.

MC 0475 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
- F - face/flange mount

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 FAAMIA

The bracket positions at the Fixed End and Moving End can be changed later if required.
### DESIGN AND LAYOUT NOTES

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<th>Date:</th>
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Specifications are subject to change without notice.

Need help? **1-800-443-4216** or [www.kabelschlepp.com](http://www.kabelschlepp.com)
Specifications are subject to change without notice.

KSA-L15015-GC

Total Machine Travel (L_S) = t = Link Pitch

Fixed End

Moving End

 Extended Retracted Moving End

t = Link Pitch

H

LB

KR

UB

Reverse Bend Radius (RKR) links are available for long travel systems that require a lowered mounting height. Consult factory for details.

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.

Download 3D CAD files, videos, updated product info & much more at: www.kabelschlepp.com/varitrakmc.htm

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

VARITRAK MC

VARIOLINE

How To Order
1-800-443-4216
Features bolted-on heavy-duty split and bored aluminum bars.

Bar Widths ($B_{st}$) are available from 2.50” (63.5 mm) through 23.50” (596.9 mm) in any width increment required by the customer.

**MC0650 - 2.50” - LG - (# of links) - (# of brackets) - (# of holes)**

**Recommended Minimum Width**

- $D_{max} = 1.57$ (40)
- $B_{st} = 2.50$ (63.5)
- $B_k = 3.68$ (93.5)
- $h_G = 1.97$ (50)
- $B_{st} = 2.34$ (57)

**MC0650 - 23.50” - LG - (# of links) - (# of brackets) - (# of holes)**

**Recommended Maximum Width**

- $D_{max} = 23.50$ (596.9)
- $B_{st} = 24.48$ (626.9)
- $B_k = 24.48$ (626.9)
- $h_G = 24.48$ (626.9)

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 either end of each bar and sliding out the upper half of the 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**

- A vertical bolt connecting the top and bottom halves of the LG bars must be used every 16.00” (406) of $B_k$.
- $B_{st}$ = Cut bar length
- $B_k$ = Outer chain width
- $Bh_G$ = Split aluminum bar height
- $h_G$ = Outer chain link height
- $h_G'$ = Outer chain link height with optional glide shoes
- $D_{max}$ = Maximum hole diameter
- $C_{min}$ = Minimum distance between holes
- $a_{omin}$ = Minimum hole offset from end

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see pages: 17.30 - 17.31
RS Bar System

Series MC 0650

Features twist in/out aluminum bars on both the inner and outer radius per frame stay. Usable Cavity Widths ($B_i$) are available from 3.00” (76.2 mm) through 16.00” (406.4 mm). Ten standard width sizes are available from stock. Custom widths are also available in any width increment required by the customer.

**MC0650 - 3.00” - RS** - (# of links) - (brackets) - (dividers)

**Recommended MINIMUM Width**

- $h_G$ = 2.37 (60.2)
- $B_k = 3.00$ (76.2)
- $B_l = 1.50$ (38)
- $h_I = 2.24$ (57)
- $h_I = h_G + 0.12$ (3)

Replaceable glide shoes are available for extending system life in long travel gliding applications. Consult factory for details.

**MC0650 - 16.00” - RS** - (# of links) - (brackets) - (dividers)

**Recommended MAXIMUM Width**

- $h_G = 2.24$ (57)
- $B_k = 16.00$ (406.4)
- $B_k = B_l + 1.34$ (34)

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

**Why use RS 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 twist-in locking aluminum bars on the inside radius and outside radius, 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 RS bars for added protection of hoses (consult factory).

**RS System Assembly Detail**

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see page: 17.30-17.31
Easy Snap-In Cavity Partitioning System for Varitrak MC 0650 RS Bar

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

Horizontal shelves can be easily pressed and locked into place between the specially designed RS 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.
Specifications are subject to change without notice.

KSA-L15015-GC

VARIOLINE

VARITRAK MC

Total Machine Travel (Ls)

Retracted

Extended

Moving End

t = Link Pitch

0950 → 3.74 (95)

Calculation of Chain Length

Ls = total machine travel

Lb = 3.14 x KR + (2 x t safety factor)

Lb = chain length required

Lb = LS ÷ 2 + length of the curve (LB)*

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

How To Order

1-800-443-4216

Download 3D CAD files, videos, updated product info & much more at:
www.kabelschlepp.com/varitrakmc.htm

Reverse Bend Radius (RKR) links are available for long travel systems that require a lowered mounting height. Consult factory for details.

Dimensions in inches (mm)

How To Order

15 x MC0950 - 18.00” - LG - 380 x 52 Links + FU/MU + 9

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

Technical Data

Series
MC 0950

Mounting Height
Option A
14.17 (360)
Option B
16.54 (420)
Option C
18.90 (480)
Option D
23.62 (600)
Option E
25.98 (660)
Option F
28.35 (720)
Option G
33.07 (840)

Bend Radius
Option A
5.51 (140)
Option B
6.69 (170)
Option C
7.87 (200)
Option D
10.24 (260)
Option E
11.42 (290)
Option F
12.60 (320)
Option G
14.96 (380)

Depot Length
Option A
10.83 (275)
Option B
12.01 (305)
Option C
13.19 (335)
Option D
15.55 (395)
Option E
16.73 (425)
Option F
17.91 (455)
Option G
20.28 (515)

Loop Length
Option A
24.80 (630)
Option B
28.54 (725)
Option C
32.24 (819)
Option D
39.65 (1007)
Option E
43.39 (1102)
Option F
47.09 (1196)
Option G
54.49 (1384)

Number of Systems Req. x Carrier Type + Stay Width (Bst) + Frame Stay + Type + Bend Radius x # of Links Length + Type & Position Brackets + Bored Holes

15 x MC0950 - 18.00” - LG - 380 x 52 Links + FU/MU + 9

Self-Supporting Lengths

Unsupported Length

Type MC 0950

Additional Load

lbs kg

20.1 30

19.5 25

18.9 20

18.0 15

17.0 10

15.5 5

14.0 0

Extended Travel:
When application travel exceeds the self-supporting length of the carrier, Varitrak MC carrier systems are designed to glide on themselves in a guide-channel.
Features bolted-on heavy-duty split and bored aluminum bars.

Bar Widths ($B_{st}$) are available from 3.00” (76.2 mm) through 24.00” (609.6 mm) in any width increment required by the customer.

**MC0950 - 3.00” - LG**

- **Bar System**
- **VARITRAK MC**
- **VARIO-LINE**

**Reasons to Use LG System**

- By simply unscrewing 1 bolt per split-bar at either end of each bar and sliding out the upper half of the 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.

**Specifications**

- **$B_{nt}$** = Cut bar length
- **$B_k$** = Outer chain width
- **$B_{hG}$** = Split aluminum bar height
- **$h_g$** = Outer chain link height
- **$h_{G'}$** = Outer chain link height with optional glide shoes
- **$D_{max}$** = Maximum hole diameter
- **$C_{min}$** = Minimum distance between holes
- **$a_{omin}$** = Minimum hole offset from end

**Recommended Widths**

- **Minimum Width**
  
  - $D_{max}$ = 2.09 (53)
  
  - $B_{ST}$ = 3.00 (76.2)
  
  - $B_k$ = 4.22 (112.2)
  
  - $B_k$ = $B_i$ + 1.42 (36)

- **Maximum Width**
  
  - $h_g$ = 3.15 (80)

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

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see pages: 17.30-17.31

**LG System Assembly Detail**

- **Replaceable glide shoes** are available for extending system life in long travel gliding applications. Consult factory for details.

**Why use LG system**

- **For detailed drawings and dimensions of available options,** please see pages: 17.30-17.31

Need help? 1-800-443-4216 or www.kabelschlepp.com
Features wide twist-in/twist-out 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 22.00” (558.8 mm) in any width increment required by the customer.

**MC0950 - 4.00” - RV - (KR) - (# of links) - (brackets) - (dividers)**

Replaceable glide shoes are available for extending system life in long travel gliding applications. Consult factory for details.

**MC0950 - 22.00” - RV - (KR) - (# of links) - (brackets) - (dividers)**

Recommended MINIMUM Width

$B_k = B_i + 1.34$ (34)

Recommended MAXIMUM Width

$B_k = 23.34$ (592.8)

Why use RV system

- Simply by twisting on or twisting off the wide aluminum bar 90 degrees, cables & hoses can be quickly and easily installed (laid inside).
- 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.
- Smooth aluminum wide 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.

For detailed drawings and dimensions of available options, please see pages: 17.30-17.31

Specifications are subject to change without notice.
Easy Snap-In Cavity Partitioning System for Varitrak MC 0950 RV Bar

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

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<th>B</th>
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<td>52588</td>
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<td>71523</td>
<td>6.30 (160)</td>
<td>5.98 (152)</td>
<td>0.18 (4.5)</td>
</tr>
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<td>71524</td>
<td>6.93 (176)</td>
<td>6.61 (168)</td>
<td>0.18 (4.5)</td>
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<tr>
<td>71525</td>
<td>7.56 (192)</td>
<td>7.24 (184)</td>
<td>0.18 (4.5)</td>
</tr>
<tr>
<td>71526</td>
<td>8.19 (208)</td>
<td>7.87 (200)</td>
<td>0.18 (4.5)</td>
</tr>
</tbody>
</table>

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.
Features twist in/out aluminum bars on both the inner and outer radius per frame stay.
Usable Cavity Widths ($B_i$) are available from 4.00” (101.6 mm) through 20.00” (508 mm).
Ten standard width sizes are available from stock. Custom widths are also available in any width increment required by the customer.

RS Bar System

**MC0950 - 4.00” - RS**
- (# of links) - (brackets) - (dividers)

**MC0950 - 20.00” - RS**
- (# of links) - (brackets) - (dividers)

**Why use RS 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 twist-in locking aluminum bars on the inside radius and outside radius, 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 RS bars for added protection of hoses (consult factory).

**RS System Assembly Detail**

**Mounting Bracket Options**
For detailed drawings and dimensions of available options, please see pages: 17.30-17.31

Specifications are subject to change without notice.
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 24.00” (609.6 mm) in any width increment required by the customer.

**RMS Bar System**

**MC0950 - 3.00” - RMS - (KR) - (# of links) - (brackets) - (dividers)**

**MC0950 - 24.00” - RMS - (KR) - (# of links) - (brackets) - (dividers)**

Recommended **MINIMUM Width**

- Replaceable glide shoes are available for extending system life in long travel gliding applications. Consult factory for details.

**MC0950 - 24.00” - 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**

- Heavy-duty 2 bolt bars on outside radius
- Heavy-duty 2 bolt bars on inside radius

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see pages: 17.30-17.31
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 24.00” (609.6 mm) in any width increment required by the customer.

**Why use RMR system**

- By unscrewing the 2 bolts per bar at either end 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: 17.30-17.31
DESIGN AND LAYOUT NOTES

Name: ___________________________  Date: ___________________________
Dept.: ___________________________  Phone: __________  Fax: __________
Company: _________________________  Machine Type/Name: _________________________
Address: ___________________________

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

KSA-L15015-GC

VARIO-LINE

17

VARITRAK MC

Total Machine Travel (L_S) =

Retracted

Extended

Moving End

t = Link Pitch

H

UB

KR

1250 4.92 (125)

Calculation of Chain Length

L_W = total machine travel

L_U = 3.14 x KR + (2 x t safety factor)

L_K = chain length required

L_E = LS ÷ 2 + 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

MC 1250

Option A

17.95 (456)

7.09 (180)

13.90 (353)

32.13 (816)

Option B

21.10 (536)

8.66 (220)

15.47 (393)

37.09 (942)

Option C

24.25 (616)

10.24 (260)

17.05 (433)

42.01 (1067)

Option D

27.40 (696)

11.81 (300)

18.62 (473)

46.97 (1193)

Option E

30.55 (776)

13.39 (340)

20.20 (513)

51.93 (1319)

Option F

33.70 (856)

14.96 (380)

21.77 (553)

56.85 (1444)

Option G

43.15 (1096)

19.69 (500)

26.50 (673)

71.69 (1821)

Reverse Bend Radius (RKR) links are available for long travel systems that require a lowered mounting height. Consult factory for details.

How To Order

1-800-443-4216

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

Specifications are subject to change without notice.
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 31.00” (787.4 mm) in any width increment required by the customer.

**MC1250 - 4.00” - LG - (KR) - (# of links) - (brackets) - (# of holes)**

**MC1250 - 31.00” - LG - (KR) - (# of links) - (brackets) - (# of holes)**

**Why use LG system**
- By simply unscrewing 1 bolt per split-bar at either end of each bar and sliding out the upper half of the 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**

 Specifications are subject to change without notice.

Need help? 1-800-443-4216 or www.kabelschlepp.com
Features wide twist-in/twist-out 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 22.00” (558.8 mm) in any width increment required by the customer.

### MC1250 - 4.00” - RV - (KR) - (# of links) - (brackets) - (dividers)

**Recommended MINIMUM Width**

\[
B_k = 5.77 \text{ (146.6)}
\]

\[
B_i = 4.00 \text{ (101.6)}
\]

\[
B_s = 3.79 \text{ (96.2)}
\]

\[
h_G = 3.92 \text{ (99.5)}
\]

\[
h_i = 3.78 \text{ (96)}
\]

\[
ST = 0.24 \text{ (6)}
\]

### MC1250 - 22.00” - RV - (KR) - (# of links) - (brackets) - (dividers)

**Recommended MAXIMUM Width**

\[
B_k = 23.77 \text{ (603.8)}
\]

\[
B_i = 22.00 \text{ (558.8)}
\]

\[
B_s = 21.79 \text{ (553.4)}
\]

\[
h_G = 3.78 \text{ (96)}
\]

\[
h_i = 23.77 \text{ (603.8)}
\]

\[
ST = 0.24 \text{ (6)}
\]

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

---

### Why use RV system

- Simply by twisting on or twisting off the wide aluminum bar 90 degrees, cables & hoses can be quickly and easily installed (laid inside).
- 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.
- Smooth aluminum wide 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: 17.30 - 17.31
When multiple cables/hoses or cables/hoses with different diameters are to be placed inside the same carrier system and require vertical stacking, a simple to install snap-in cavity partitioning system should be used. This system easily allows for varying carrier system cavity compartment heights (shelves) and widths (dividers) necessary to properly accommodate each cable or hose.

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.
RS Bar System

Features twist in/out aluminum bars on both the inner and outer radius per frame stay.

Usable Cavity Widths ($B_i$) are available from 4.00” (101.6 mm) through 20.00” (508 mm).

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

**RS System Assembly Detail**

- 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 twist-in locking aluminum bars on the inside radius and outside radius, 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 RS bars for added protection of hoses (consult factory).

**Why use RS system**

**RS System Assembly Detail**

- For detailed drawings and dimensions of available options, please see pages: 17.30-17.31

**Mounting Bracket Options**

- PN: 42900

**Recommended MINIMUM Width**

$B_k = 5.77$ (146.6)

$B_k = B_i + 1.77$ (45)

$B_k = 5.77$ (146.6)

$B_k = B_i + 1.77$ (45)

**Recommended MAXIMUM Width**

$B_k = 21.77$ (553)

$B_k = B_i + 1.77$ (45)

$B_k = 21.77$ (553)

$B_k = B_i + 1.77$ (45)

Replaceable glide shoes are available for extending system life in long travel gliding applications. Consult factory for details.

**MC1250 - 4.00” - RS**

$B_i = 4.00$ (101.6)

$h_G = 3.32$ (84.5)

$2.83 = h_i$ (72)

$h_G = 3.78$ (96)

$h_G = 3.78$ (96)

$h_i = 3.78$ (96)

$h_i = 3.78$ (96)

$h_i = 3.78$ (96)

$h_i = 3.78$ (96)

$B_k = B_i + 1.77$ (45)

$B_k = B_i + 1.77$ (45)

$B_k = B_i + 1.77$ (45)

$B_k = B_i + 1.77$ (45)

$B_k = B_i + 1.77$ (45)
Features heavy-duty double bolted-on aluminum bar on the outer radius and on the
inner radius per frame stay.

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

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: 17.30-17.31
**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 by the customer.

---

**Why use RMR system**

- By unscrewing the 2 bolts per bar at either end 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 friction-less cavity compartment.
- In-field serviceability.
- Exact widths are available to fit any application’s width restrictions.

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**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see pages: 17.30-17.31

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**RMR System Assembly Detail**

**Series MC 1250**

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**Specifications are subject to change without notice.**
**DESIGN AND LAYOUT NOTES**

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<th>Date: __________________________</th>
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<td>Phone: __________ Fax: __________</td>
</tr>
<tr>
<td>Company: __________________________</td>
<td>Machine Type/Name: ______________</td>
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Specifications are subject to change without notice.

Need help? **1-800-443-4216** or [www.kabelschlepp.com](http://www.kabelschlepp.com)
VARITRAK MC Mounting Bracket Options

MC 0650, 0950, & 1250 Standard Mounting Brackets - made of steel

<table>
<thead>
<tr>
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<th>MC 0650</th>
<th>MC 0950</th>
<th>MC 1250</th>
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<tbody>
<tr>
<td>a</td>
<td>Bi = 0.63 (16)</td>
<td>Bi = 1.22 (31)</td>
<td>Bi = 1.26 (32)</td>
</tr>
<tr>
<td>b</td>
<td>Bi + 1.97 (50)</td>
<td>Bi + 2.40 (61)</td>
<td>Bi + 3.07 (78)</td>
</tr>
<tr>
<td>c</td>
<td>0.25 (6.4)</td>
<td>0.33 (8.4)</td>
<td>0.41 (10.5)</td>
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<tr>
<td>d</td>
<td>0.71 (18)</td>
<td>0.98 (25)</td>
<td>1.18 (30)</td>
</tr>
<tr>
<td>e</td>
<td>1.18 (30)</td>
<td>1.57 (40)</td>
<td>1.97 (50)</td>
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<tr>
<td>g</td>
<td>0.39 (10)</td>
<td>0.39 (10)</td>
<td>0.39 (10)</td>
</tr>
<tr>
<td>h</td>
<td>4.61 (117)</td>
<td>6.48 (164.5)</td>
<td>8.35 (212)</td>
</tr>
<tr>
<td>j</td>
<td>1.18 (30)</td>
<td>1.57 (40)</td>
<td>1.97 (50)</td>
</tr>
<tr>
<td>k</td>
<td>0.59 (15)</td>
<td>0.79 (20)</td>
<td>0.98 (25)</td>
</tr>
<tr>
<td>l</td>
<td>0.12 (3)</td>
<td>0.16 (4)</td>
<td>0.20 (5)</td>
</tr>
</tbody>
</table>

Varitrak MC 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
U - Universal Bracket
F - Face Mount/Flange Bracket

Please specify the desired bracket variant and position when ordering.

Examples: FA/MAI (Standard) or FAA/MIA

The bracket positions at the Fixed End and Moving End can be changed later if required.
**MC 0650, 0950, & 1250 UMB (Universal Mounting Brackets) - made of aluminum**

**Varitrak MC UMB bracket dimensions for MC 0650**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>( B_{EF} )</th>
<th>( b_1 )</th>
<th>( d )</th>
<th>( l_1 )</th>
<th>( l_2 )</th>
<th>( l_3 )</th>
<th>( l_4 )</th>
<th>( l_5 )</th>
<th>( h_1 )</th>
<th>( h_G )</th>
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</thead>
<tbody>
<tr>
<td>MC 0950</td>
<td>( B_i + 1.54 ) (39)</td>
<td>( B_i + 0.77 ) (19.5)</td>
<td>0.33 (8.5)</td>
<td>5.35 (136)</td>
<td>1.38 (35)</td>
<td>0.96 (24.5)</td>
<td>0.33 (8.5)</td>
<td>3.15 (80)</td>
<td>1.77 (45)</td>
<td>3.15 (80)</td>
</tr>
<tr>
<td>MC 1250</td>
<td>( B_i + 2.01 ) (51)</td>
<td>( B_i + 1.10 ) (28)</td>
<td>0.43 (11)</td>
<td>6.61 (168)</td>
<td>1.38 (35)</td>
<td>1.22 (31)</td>
<td>0.41 (10.5)</td>
<td>3.72 (94.5)</td>
<td>1.77 (45)</td>
<td>3.78 (96)</td>
</tr>
</tbody>
</table>

**Varitrak MC UMB bracket dimensions for MC 0950 & 1250**

**Ordering Universal Type Brackets**

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

**Bracket Type and Orientation**
- U - Universal KSA Style Bracket

The bracket type and orientation at the Fixed End and at the Moving End can be combined and subsequently changed if required.

Please state the desired connection type and orientation when ordering.

Example: FU/MU
### General Data

#### Technical Data

**Series**

**MC 1300**

<table>
<thead>
<tr>
<th>Option</th>
<th>Mounting Height (H)</th>
<th>Bend Radius (KR)</th>
<th>Depot (UB)</th>
<th>Loop Length (LB)</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>16.54 (420)</td>
<td>5.91 (150)</td>
<td>13.39 (340)</td>
<td>28.82 (732)</td>
</tr>
<tr>
<td>B</td>
<td>20.08 (510)</td>
<td>7.68 (195)</td>
<td>15.16 (385)</td>
<td>34.35 (873)</td>
</tr>
<tr>
<td>C</td>
<td>23.62 (600)</td>
<td>9.45 (240)</td>
<td>16.93 (430)</td>
<td>39.92 (1014)</td>
</tr>
<tr>
<td>D</td>
<td>26.77 (680)</td>
<td>11.02 (280)</td>
<td>18.50 (470)</td>
<td>44.87 (1140)</td>
</tr>
<tr>
<td>E</td>
<td>29.92 (760)</td>
<td>12.60 (320)</td>
<td>20.08 (510)</td>
<td>49.84 (1266)</td>
</tr>
<tr>
<td>F</td>
<td>33.07 (840)</td>
<td>14.17 (360)</td>
<td>20.08 (550)</td>
<td>54.76 (1391)</td>
</tr>
<tr>
<td>G</td>
<td>36.22 (920)</td>
<td>15.75 (400)</td>
<td>23.23 (590)</td>
<td>59.71 (1517)</td>
</tr>
<tr>
<td>H</td>
<td>44.09 (1120)</td>
<td>19.69 (500)</td>
<td>27.17 (690)</td>
<td>72.08 (1831)</td>
</tr>
</tbody>
</table>

**Notes:**
- Reverse Bend Radius (RKR) links are available for long travel systems that require a lowered mounting height. Consult factory for details.
- Dimensions in inches (mm).

**Calculation of Chain Length**

\[ L_s = \text{total machine travel} \]

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

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

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

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

### How To Order

**1-800-443-4216**

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

10 \times MC 1300 - 20.00” - RMS - 150 \times 23 Links + FU/MU + 12v/2h

Specifications are subject to change without notice.

**Download 3D CAD files, videos, updated product info & much more at:**

[www.kabelschlepp.com/varitrakmc.htm](http://www.kabelschlepp.com/varitrakmc.htm)
Specifications are subject to change without notice.

**Series MC 1300**

**RMF Bar System**

Features heavy-duty bolted-in aluminum bars that can be easily removed on the inside and/or outside radius for easy cable and hose installation and field service.

Bar Widths ($B_{st}$) are available from 3.94” (100 mm) through 31.50” (800 mm) in any width increment required by the customer.

### MC 1300 - 3.94” - RMF - (KR) - (# of links) - (brackets) - (dividers)

**Recommended Minimum Width**

- $h_G = 5.00$ (127)
- $B_i = 3.94$ (100)
- $B_k = 5.91$ (150)

**Recommended Maximum Width**

- $h_i = 5.00$ (127)
- $h_G = 4.72$ (120)
- $B_i = 31.50$ (800)
- $B_k = 33.46$ (850)

### Why use RMF system

- By simply unscrewing the bolted-in bars at both ends of each bar, cables & hoses can be quickly and easily installed (laid inside) on the inside and/or outside radius.
- Ideal when heavy duty and cost effective designs are required, especially in applications where surging hi-pressure hoses are installed.
- 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.

For detailed drawings and dimensions of available options, please see pages: 17.36-17.37

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see pages: 17.36-17.37

**RMF System Assembly Detail**

**PN: 55100**

- $B_{st}$ = 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
- $S_T$ = Vertical divider thickness

Replaceable glide shoes are available for extending system life in long travel gliding applications. Consult factory for details.

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

Features ball-joint hinged opening aluminum bars that allow quick access to cables and/or hoses on the inside and/or outside radius for installation and field service.

Bar Widths ($B_{st}$) are available from 3.94" (100 mm) through 31.50" (800 mm) in any width increment required by the customer.

**MC 1300 - 3.94” - RMS**

- $(K)$ - (# of links) - (brackets) - (dividers)

**Recommended MINIMUM Width**

<table>
<thead>
<tr>
<th>$B_{st}$</th>
<th>$B_i$</th>
<th>$h_G$</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.00 (127)</td>
<td>3.94 (100)</td>
<td>4.72 (120)</td>
</tr>
</tbody>
</table>

Replaceable glide shoes are available for extending system life in long travel gliding applications. Consult factory for details.

**MC 1300 - 31.50” - RMS**

- $(K)$ - (# of links) - (brackets) - (dividers)

**Recommended MAXIMUM Width**

<table>
<thead>
<tr>
<th>$B_{st}$</th>
<th>$B_i$</th>
<th>$h_G$</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.46 (850)</td>
<td>31.50 (800)</td>
<td>3.43 (87)</td>
</tr>
</tbody>
</table>

**Why use RMF system**

- Ball-joint hinged bars allow quick and easy installation and field service of cables and hoses from the inside or outside radius.
- Heavy-duty hybrid, modular design provides exceptional strength and versatility for a wide range of applications.
- Smooth cable friendly and strong aluminum bars.
- Quick and easy in-field service.
- Exact widths are available to fit any application’s width restrictions.

**Mounting Bracket Options**

For detailed drawings and dimensions of available options, please see pages: 17.36-17.37

Specifications are subject to change without notice.
### DESIGN AND LAYOUT NOTES

<table>
<thead>
<tr>
<th>Name:</th>
<th>Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept.:</td>
<td>Phone:</td>
</tr>
<tr>
<td>Company:</td>
<td>Fax:</td>
</tr>
<tr>
<td>Address:</td>
<td>Machine Type/Name:</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.

Need help? **1-800-443-4216 or www.kabelschlepp.com**
**MC 1300 Universal Mounting Brackets (UMB) - made of plastic**

Universal Mounting Brackets (UMB) made of plastic – Type MC 1300

![Assembly options]

The dimensions of the fixed end and moving end bracket dimensions are identical. Mounting brackets made of steel plate are also available on request.

When ordering please specify the mounting bracket type FU/MU

<table>
<thead>
<tr>
<th>Type</th>
<th>BEF</th>
<th>b1</th>
<th>d</th>
<th>l1</th>
<th>l2</th>
<th>l3</th>
<th>l4</th>
<th>l5</th>
<th>h1</th>
<th>hG</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 1300</td>
<td>Bi + 1.97 (Bi + 50)</td>
<td>Bi + 29</td>
<td>0.43 (11)</td>
<td>6.22 (158)</td>
<td>1.38 (35)</td>
<td>0.79 (20)</td>
<td>–</td>
<td>–</td>
<td>2.60 (66)</td>
<td>4.72 (120)</td>
</tr>
</tbody>
</table>

BEF = Width of the cable carrier over connector

Dimensions in inches (mm)

**MC Strain Relief Options**

C-rails for LineFix bracket clamps, SZL strain reliefs and clamps

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

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

- **MC 0650**: Integratable C-rail
  - 25 x 10 mm, slit width 11 mm, material steel, Item-No. 3931

- **MC 1300**: Integratable C-rail
  - 25 x 12 mm, slit width 11 mm, material steel, Item-No. 3934

- **MC 0950, 1250 and 1300**: Integratable C-rail
  - 34 x 15 mm, slit width 11 mm, material steel, Item-No. 3935

- **MC 0950, 1250 and 1300**: Integratable C-rail
  - 34 x 15 mm, slit width 16 – 17 mm, material aluminum, Item-No. 3926, material steel, Item-No. 3932

Our LineFix strain reliefs are optimally suited for the C-rails. (LineFix bracket clamps and other strain relief devices – see Accessories chapter 31).

- C-rail with LineFix strain relief

Specifications are subject to change without notice.
MC 1300 Cavity Partitioning Options

**Divider system TS 0**

<table>
<thead>
<tr>
<th>Type</th>
<th>Stay variant</th>
<th>$h_1$</th>
<th>$S_T$</th>
<th>$a_T$ min</th>
<th>$a_x$ min</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 1300</td>
<td>RMF</td>
<td>3.42</td>
<td>0.20</td>
<td>0.30</td>
<td>0.59</td>
</tr>
<tr>
<td></td>
<td>RMS</td>
<td>3.43</td>
<td>0.20</td>
<td>0.61</td>
<td>0.59</td>
</tr>
</tbody>
</table>

The dividers can be moved in the cross section.

**Divider system TS 1** with continuous height subdivision made of aluminum

<table>
<thead>
<tr>
<th>Type</th>
<th>Stay variant</th>
<th>$h_1$</th>
<th>$S_T$</th>
<th>$a_T$ min</th>
<th>$a_x$ min</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 1300</td>
<td>RMF</td>
<td>3.42</td>
<td>0.20</td>
<td>0.30</td>
<td>0.59</td>
</tr>
<tr>
<td></td>
<td>RMS</td>
<td>3.42</td>
<td>0.20</td>
<td>0.61</td>
<td>0.59</td>
</tr>
</tbody>
</table>

The dividers can be moved in the cross section.

**Divider system TS 3**

MC 1300 with section subdivision, partitions made of plastic.

For these types, divider system TS 2 with grid subdivision made of aluminum (1 mm grid) is also available.

<table>
<thead>
<tr>
<th>Type</th>
<th>Stay variant</th>
<th>$h_1$</th>
<th>$S_T$</th>
<th>$a_T$ min</th>
<th>$a_x$ min</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC 1300</td>
<td>RMF</td>
<td>3.42</td>
<td>0.31</td>
<td>0.30</td>
<td>0.63</td>
</tr>
<tr>
<td></td>
<td>RMS</td>
<td>3.42</td>
<td>0.31</td>
<td>0.61</td>
<td>0.63</td>
</tr>
</tbody>
</table>

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

Fixed installation version for MC 1300 –

* When using plastic partitions

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

**Dimensions of the plastic partitions for TS 3**

<table>
<thead>
<tr>
<th>$SZ$</th>
<th>$a_x$ (center to center of dividers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.16</td>
<td>0.63 (16) 0.71 (18) 0.91 (23) 1.10 (28) 1.26 (32) 1.30 (33) 1.50 (38) 1.69 (43) 1.89 (48) 2.28 (58)</td>
</tr>
<tr>
<td></td>
<td>2.52 (64) 2.68 (68) 3.07 (78) 3.15 (80) 3.46 (96) 3.78 (112) 4.41 (128) 5.04 (144) 6.30 (160)</td>
</tr>
<tr>
<td></td>
<td>6.93 (176) 7.56 (192) 8.19 (208) – – – – – – – –</td>
</tr>
</tbody>
</table>

Dimensions in inches (mm)

When using partitions with $a_x > 4.41”$ (112 mm) there should be an additional central support with a twin divider.

Thickness of the twin dividers: $MC 1300 S_T = 0.16”$ (4 mm)

Twin dividers are designed for subsequent fitting in the partition system.

**Fixing the dividers in 5 mm steps – Type MC 1300**

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

Fixing profiles can be used to fix the dividers in place.

Also best suited for applications where the carrier is operating on its side or with extreme transverse accelerations (fixable dividers for stay variant RMF/RMS).

If the fixed installation version is required, please state this when placing your order.

- Secure seating of the dividers due to fixing on both sides.
- The fixing profiles are simply pushed into the stays (RMF).