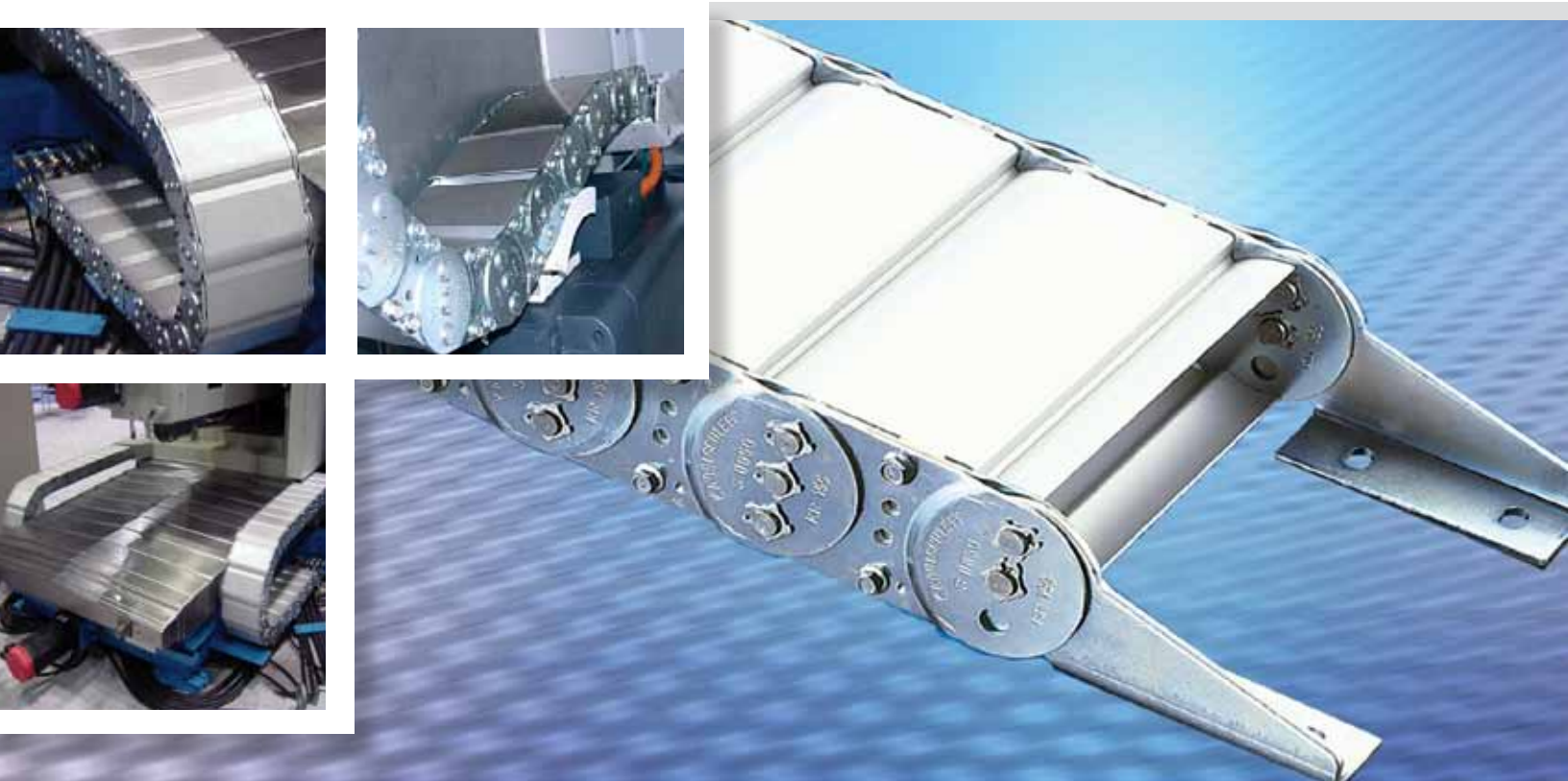


steel tube
Steel tube carrier system
cable system
carrier

VARITRAK S -RMD



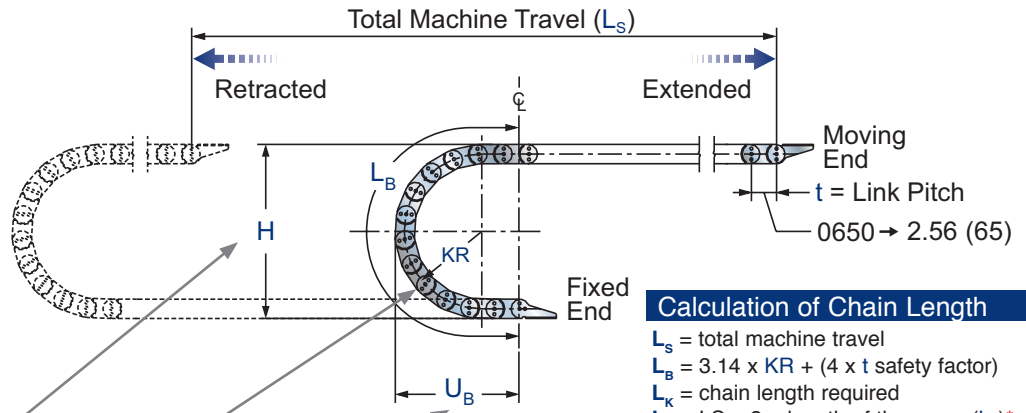
KABELSCHLEPP

Key Features:

- Extremely durable stainless or plated steel side chain band material
- Quick and easy cable installation
- Available with made-to-order bored aluminum bars
- Vertical and horizontal cable separation in nylon or aluminum available
- Mounting brackets allow for surface or face connection options
- Totally enclosed metallic tube provides optimal protection from red-hot chips
- Never worry about red-hot chips again

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/varitraksrmd.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
S 0650.1				
Option A	11.02 (280)	4.53 (115)	10.63 (270)	24.45 (621)
Option B	12.60 (320)	5.31 (135)	11.42 (290)	26.93 (684)
Option C	14.17 (360)	6.10 (155)	12.20 (310)	29.41 (747)
Option D	17.72 (450)	7.87 (200)	13.98 (355)	34.96 (888)



! * Bend Radius (KR) tolerance is +5% / -10%
 ** Bending radii 125 mm, 145 mm, 175 mm, 250 mm, 300 mm and 400 mm available via **special order**. Consult factory for more information.

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

How To Order

1-800-443-4216



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)

6 x S0650.1 - 18.00" - RMD - 135 x 32 Links + MA/FAI + 5v/0h

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

RMD

Lid System

Features rugged bolted-on aluminum lids on the inner and outer radius.

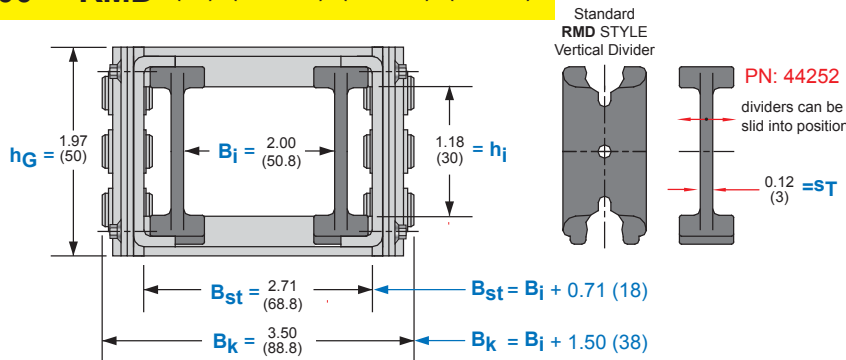
Usable Cavity Widths (B_i) available from **2.00" (50.8 mm)** through **18.00" (457.2 mm)** in any width increment required by the customer.

VARITRAK S RMD

20

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

Recommended
MINIMUM
Width



B_{St} = Cut lid width

B_k = Outer chain width

B_i = Inner chain cavity (usable) width

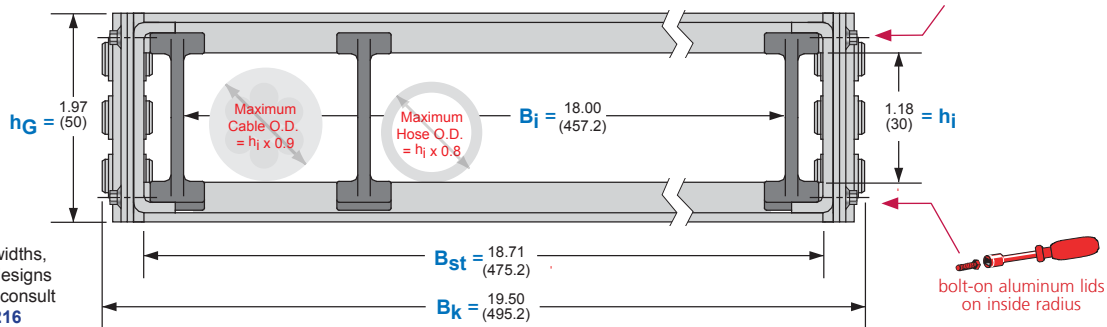
h_G = Outer chain link height

h_i = Inner chain cavity (usable) height

ST = Vertical divider thickness

S0650.1 - 18.00" - RMD - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width



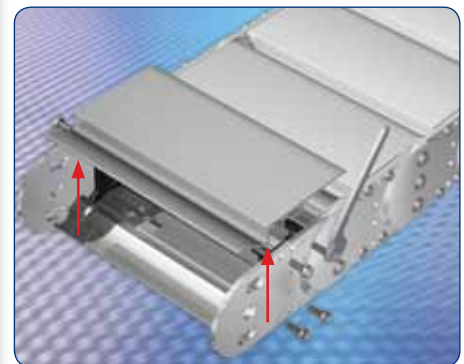
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMD system

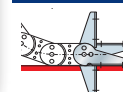


- Completely enclosed cavity design provides excellent protection from hot chips and debris.
- Aluminum lids and steel side-bands are highly heat resistant.
- Robust steel chain design offers maximum strength and unsupported lengths for a tube style carrier.
- Available in widths customized to the exact dimension to fit any application's width restrictions.
- Lids can be removed from either the inside or outside radius to allow easy access for installation, maintenance and servicing of cables and hoses.

RMD System Assembly Detail



Mounting Bracket Options



For detailed drawings and dimensions of available options, please see page: 20.10

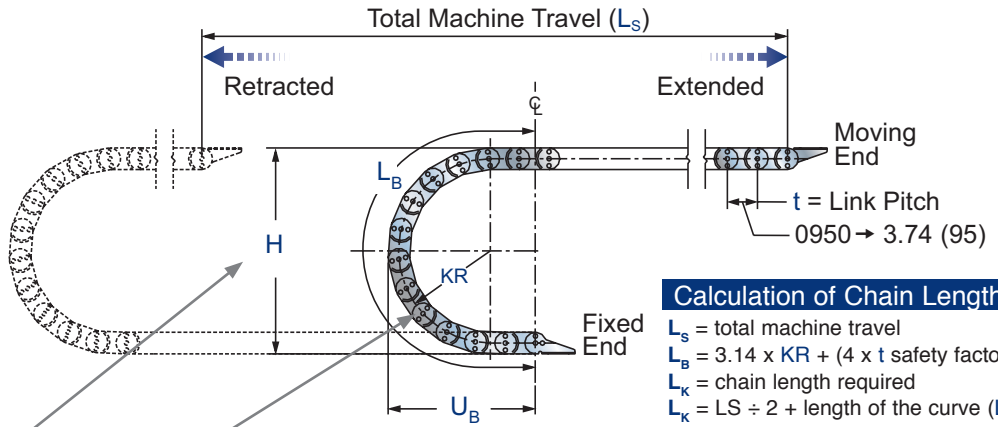
GENERAL DATA

EVA ALUE DDED

9

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/varitraksrmd.htm



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
S 0950				
Option A	16.06 (408)	6.69 (170)	15.55 (395)	35.98 (914)
Option B	18.43 (468)	7.87 (200)	16.73 (425)	39.69 (1008)
Option C	23.15 (588)	10.24 (260)	19.09 (485)	47.13 (1197)
Option D	25.51 (648)	11.42 (290)	20.28 (515)	50.83 (1291)
Option E	27.87 (708)	12.60 (320)	21.46 (545)	54.53 (1385)



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

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

How To Order

1-800-443-4216



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 S0950 - 15.00" - RMD - 170 x 40 Links + MA/FAI + 5v/0h

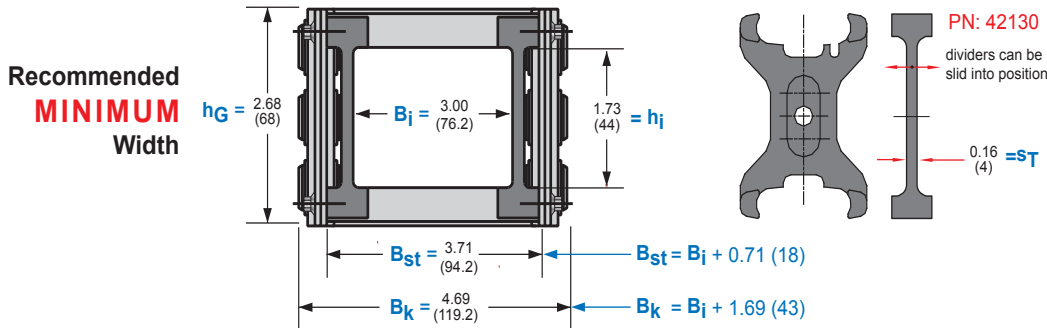
RMD

Lid System

Features rugged bolted-on aluminum lids on the inner and outer radius.

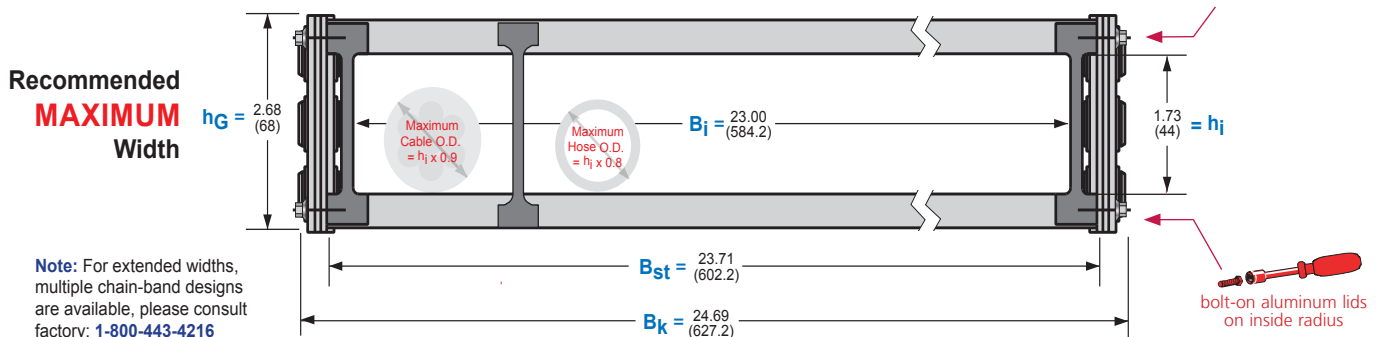
Usable Cavity Widths (B_i) are available from **3.00" (76.2 mm)** through **23.00" (584.2 mm)** in any width increment required by the customer.

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



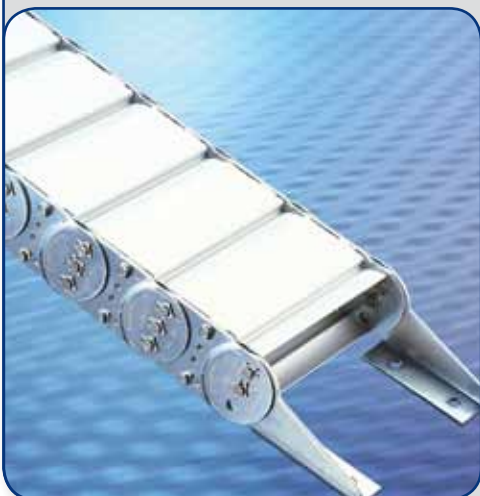
- B_{St} = Cut lid width
- B_k = Outer chain width
- B_i = Inner chain cavity (usable) width
- h_G = Outer chain link height
- h_i = Inner chain cavity (usable) height
- ST = Vertical divider thickness

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



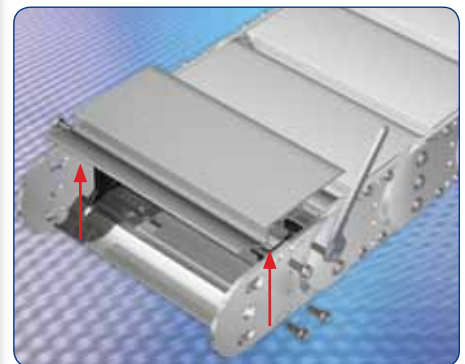
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMD system

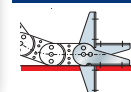


- Completely enclosed cavity design provides excellent protection from hot chips and debris.
- Aluminum lids and steel side-bands are highly heat resistant.
- Robust steel chain design offers maximum strength and unsupported lengths for a tube style carrier.
- Available in widths customized to the exact dimension to fit any application's width restrictions.
- Lids can be removed from either the inside or outside radius to allow easy access for installation, maintenance and servicing of cables and hoses.

RMD System Assembly Detail



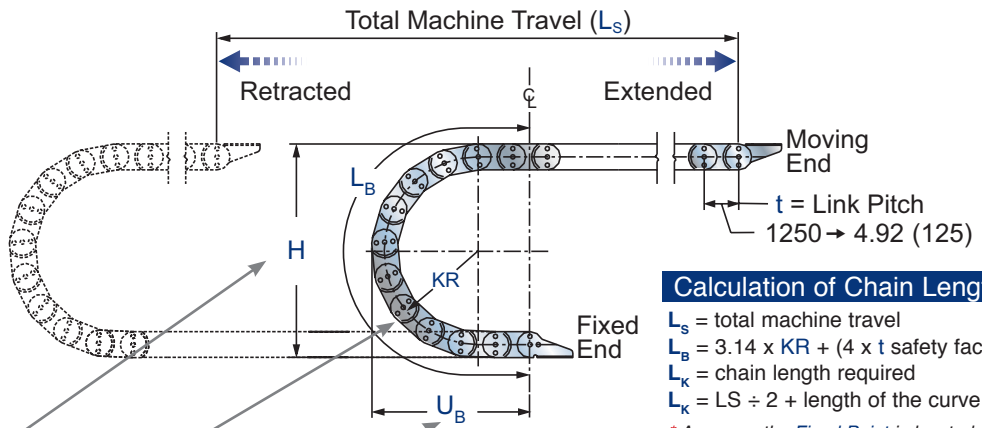
Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 20.10 - 20.11

GENERAL DATA

E	CONOMIC
V	ALUE
A	DDED
9	
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<p>Download 3D CAD files, videos, updated product info & much more at: www.kabelschlepp.com/varitraksrmd.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)

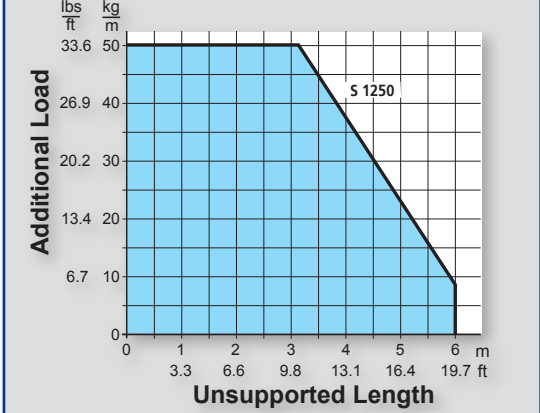
Technical Data

Series	Mounting Height H	Bend Radius KR*	Depot U_B	Loop Length L_B
S 1250				
Option A	24.17 (614)	10.24 (260)	21.93 (557)	51.85 (1317)
Option B	27.32 (694)	11.81 (300)	23.50 (597)	56.77 (1442)
Option C	30.47 (774)	13.39 (340)	25.08 (637)	61.73 (1568)
Option D	33.62 (854)	14.96 (380)	26.65 (677)	66.69 (1694)
Option E	39.92 (1014)	18.11 (460)	29.80 (757)	76.57 (1945)
Option F	43.07 (1094)	19.69 (500)	31.38 (797)	81.54 (2071)
Option G	50.94 (1294)	23.62 (600)	35.31 (897)	93.90 (2385)



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

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

How To Order

1-800-443-4216



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)

12 x **S1250** - **28.25"** - **RMD** - **260** x **42 Links** + **MIA/FIA** + **14v/3h**

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

RMD

Lid System

Features rugged bolted-on aluminum lids on the inner and outer radius.

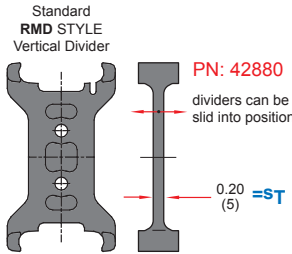
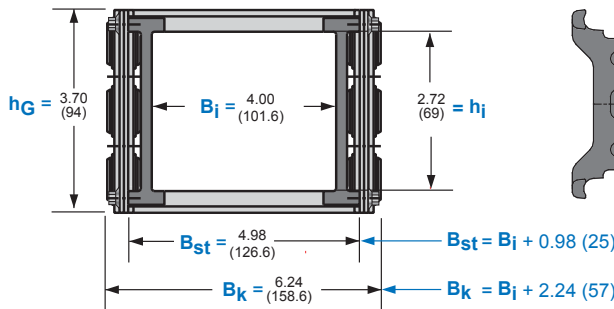
Usable Cavity Widths (B_i) are available from **4.00" (101.6 mm)** through **30.00" (762 mm)** in any width increment required by the customer.

VARITRAK S RMD

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

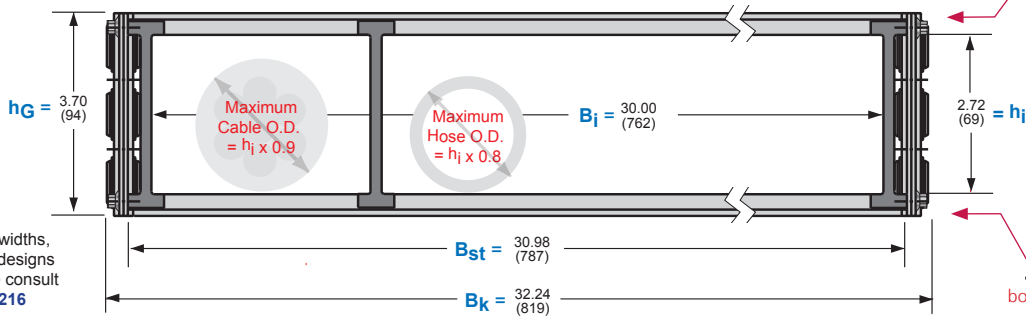
Recommended
MINIMUM
Width



- B_{St} = Cut lid width
- 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

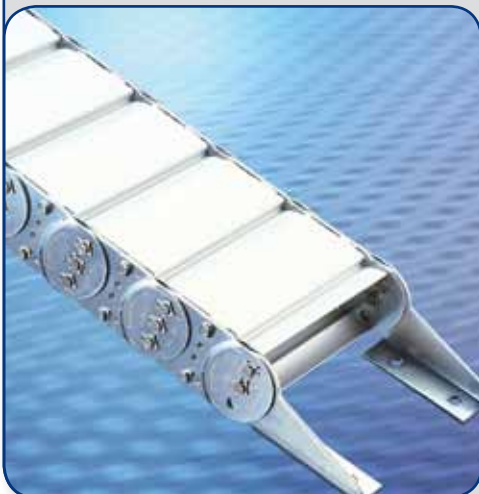
S1250 - 30.00" - RMD - (KR) - (# of links) - (brackets) - (dividers)

Recommended
MAXIMUM
Width



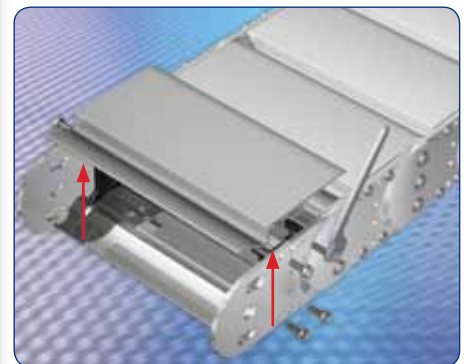
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMD system

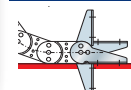


- Completely enclosed cavity design provides excellent protection from hot chips and debris.
- Aluminum lids and steel side-bands are highly heat resistant.
- Robust steel chain design offers maximum strength and unsupported lengths for a tube style carrier.
- Available in widths customized to the exact dimension to fit any application's width restrictions.
- Lids can be removed from either the inside or outside radius to allow easy access for installation, maintenance and servicing of cables and hoses.

RMD System Assembly Detail



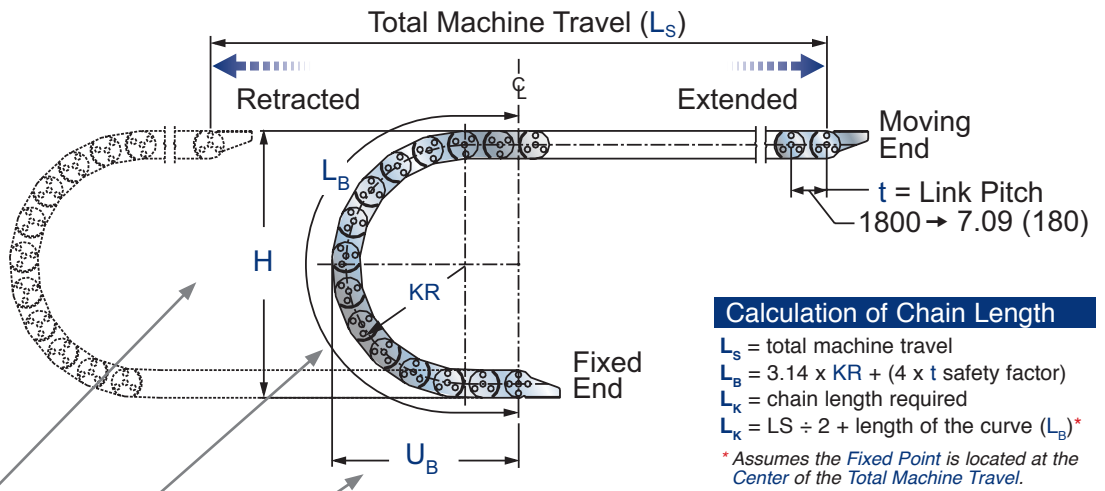
Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 20.10 - 20.11

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/varitraksmd.htm</p>	



Calculation of Chain Length

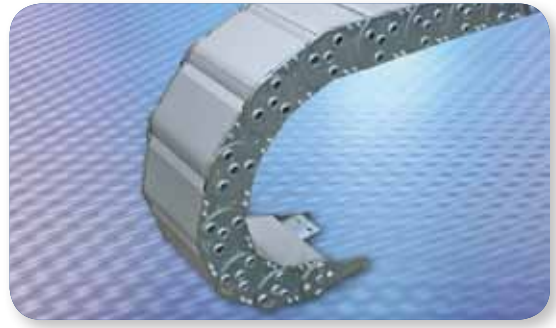
- L_S = total machine travel
- L_B = $3.14 \times KR + (4 \times t \text{ safety factor})$
- L_K = chain length required
- $L_K = L_S \div 2 + \text{length of the curve } (L_B)^*$

* 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
S 1800				
Option A	30.71 (780)	12.60 (320)	29.53 (750)	67.91 (1725)
Option B	35.04 (890)	14.76 (375)	31.69 (805)	74.72 (1898)
Option C	39.76 (1010)	17.13 (435)	34.06 (865)	82.17 (2087)
Option D	44.09 (1120)	19.29 (490)	36.22 (920)	88.94 (2259)
Option E	53.15 (1350)	23.82 (605)	40.75 (1035)	103.15 (2620)



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

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

How To Order
 1-800-443-4216



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 S1800 - 20.00" - RMD - 435 x 35 Links + MIA/FAA + 5v/0h

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

RMD

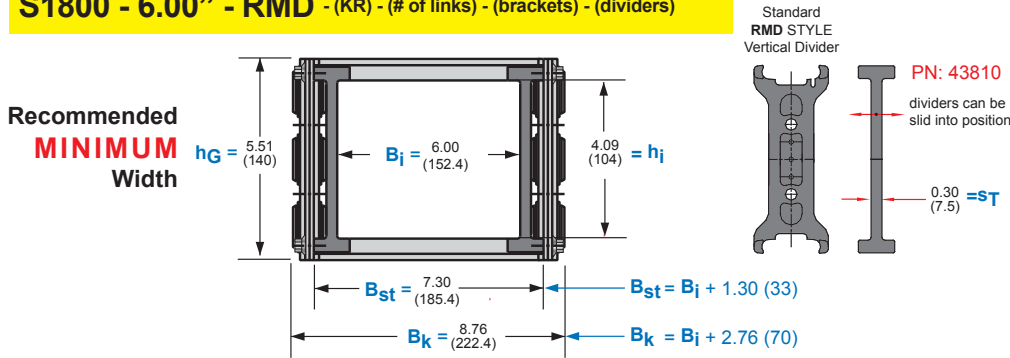
Lid System

Features rugged bolted-on aluminum lids on the inner and outer radius.

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.

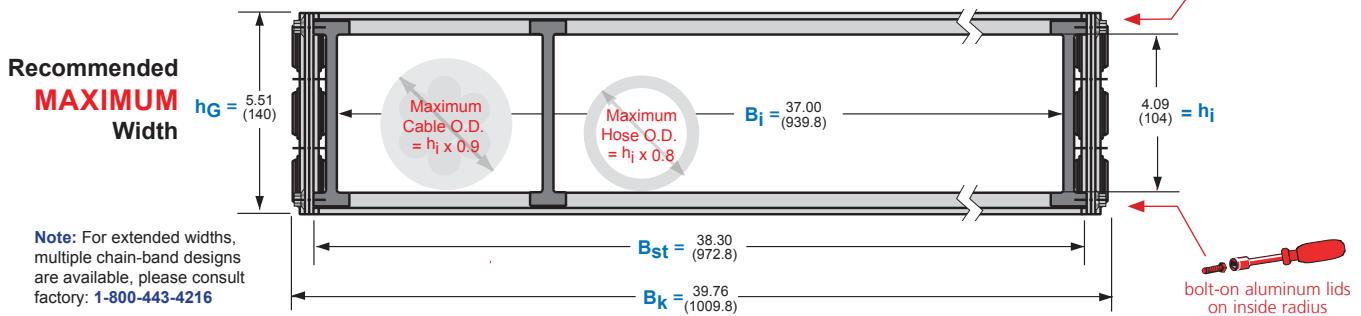
VARITRAK S RMD
20

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



- B_{St} = Cut lid width
- 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" - RMD - (KR) - (# of links) - (brackets) - (dividers)



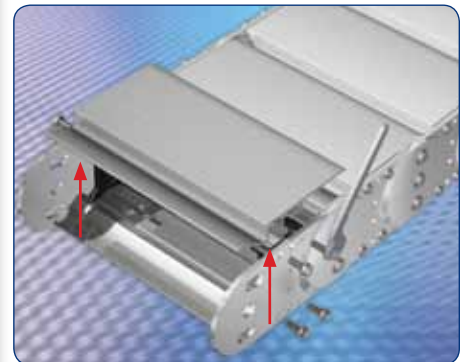
Note: For extended widths, multiple chain-band designs are available, please consult factory: 1-800-443-4216

Why use RMD system

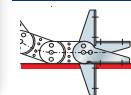


- Completely enclosed cavity design provides excellent protection from hot chips and debris.
- Aluminum lids and steel side-bands are highly heat resistant.
- Robust steel chain design offers maximum strength and unsupported lengths for a tube style carrier.
- Available in widths customized to the exact dimension to fit any application's width restrictions.
- Lids can be removed from either the inside or outside radius to allow easy access for installation, maintenance and servicing of cables and hoses.

RMD System Assembly Detail

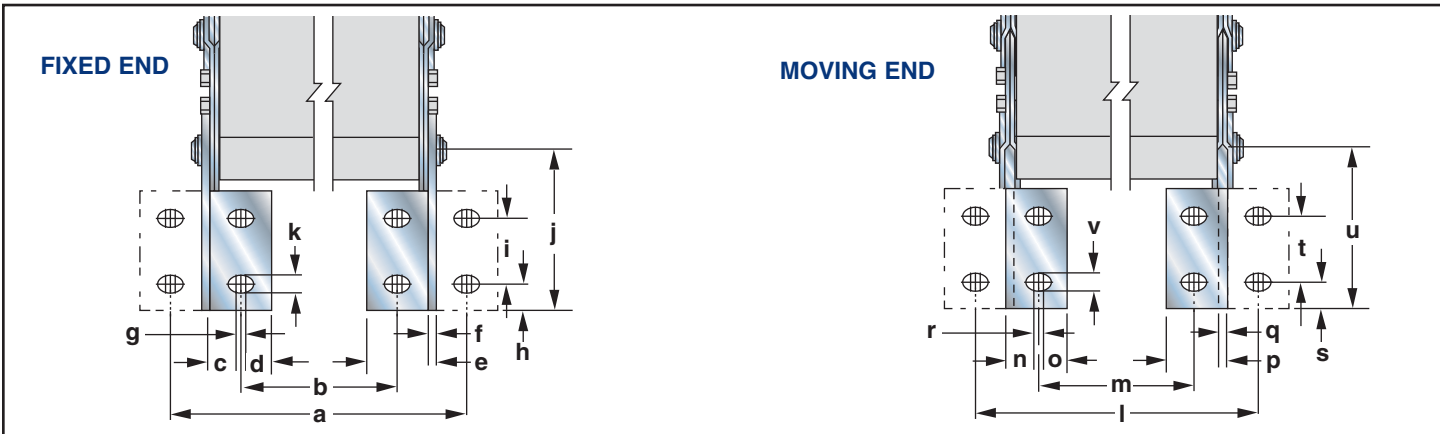


Mounting Bracket Options



For detailed drawings and dimensions of available options, please see pages: 20.10 - 20.11

VARITRAK S Series Standard Mounting Brackets



Standard Mount - Fixed End Brackets

Size	a	b	c	d	e	f	g	h	i	j	k
S 0650	$B_k + 0.98$ (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)
S 0950	$B_k + 1.93$ (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)
S 1250	$B_k + 1.81$ (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)
S 1800	$B_k + 2.08$ (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

Size	l	m	n	o	p	q	r	s	t	u	v
S 0650	$B_k + 0.75$ (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)
S 0950	$B_k + 1.61$ (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)
S 1250	$B_k + 1.41$ (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)
S 1800	$B_k + 1.61$ (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)

VARITRAK S Standard Bracket Position Options

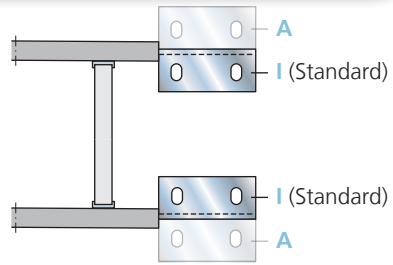
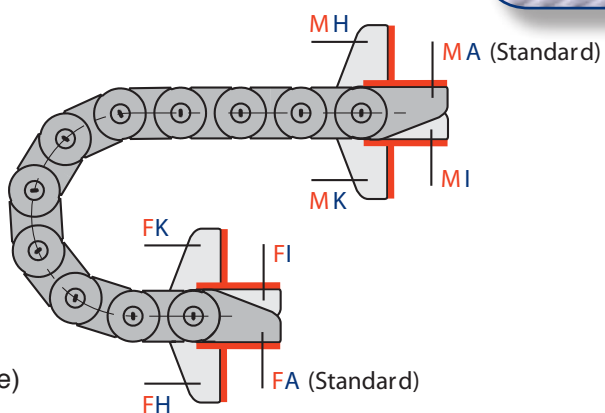


Bracket End

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



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

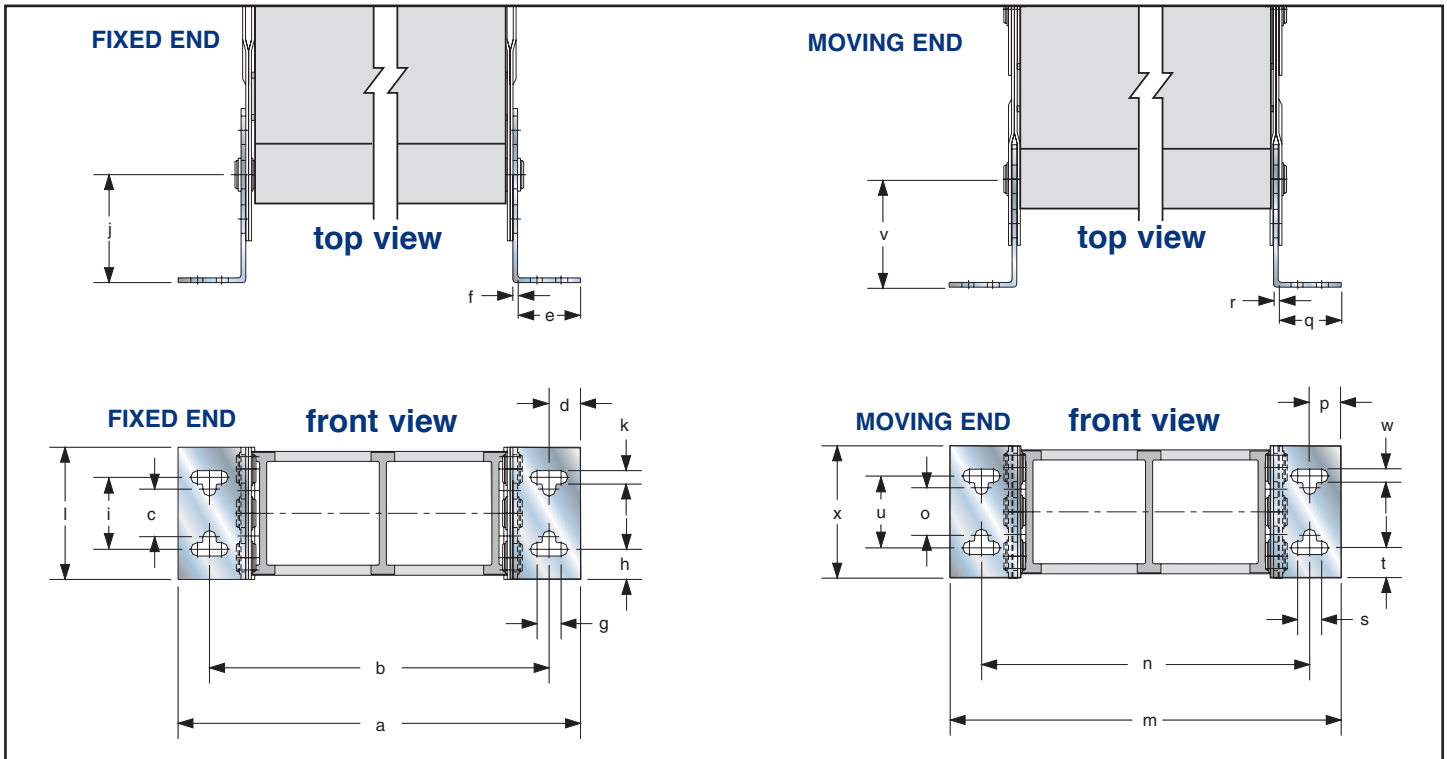
Please specify the desired bracket variant and position when ordering

Example: FAI/MAI (Standard) or FAA/MIA

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

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

VARITRAK S Series Face Mount Brackets



VARITRAK S RMD
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Face Mount - Male End Brackets

Size	a	b	c	d	e	f	g	h	i	j	k	l
S 0950	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)
S 1250	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)
S 1800	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 - Female End Brackets

Size	a	b	c	d	e	f	g	h	i	j	k	l
S 0950	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)
S 1250	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)
S 1800	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)

**VARITRAK S
Face Mount Bracket**

Bracket End

M - Moving End

F - Fixed End

Bracket Designation

F - Face Mount Bracket (standard position)



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

Example: FF/MF

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

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