

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

TRAXLINE®

STEEL-LINE

Steel cable carriers for extreme applications

Special applications require the use of special cable carriers. Our steel and stainless steel cable carriers are ideal for extreme heat or other very rough ambient conditions, such as in mining, smelting or oil production. Standardized separating options offer best possible protection for cables and hoses even under strong mechanical strain.

- » Robust design for strong mechanical strain
- » High additional loads and extensive unsupported lengths possible
- » Ideal for extreme and rough ambient conditions
- » Heat-resistant

Not all technical data and parameters are reached in each individual case, but are depending on the respective type of application and product configuration. Legally binding insofar as only the individual information provided for the specifically requested particular case. Please contact us - we will be happy to advise you!

Subject to change without notice.

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LS/LSX series page 714

Cost-effective steel cable carriers
with lightweight design



S/SX series page 740

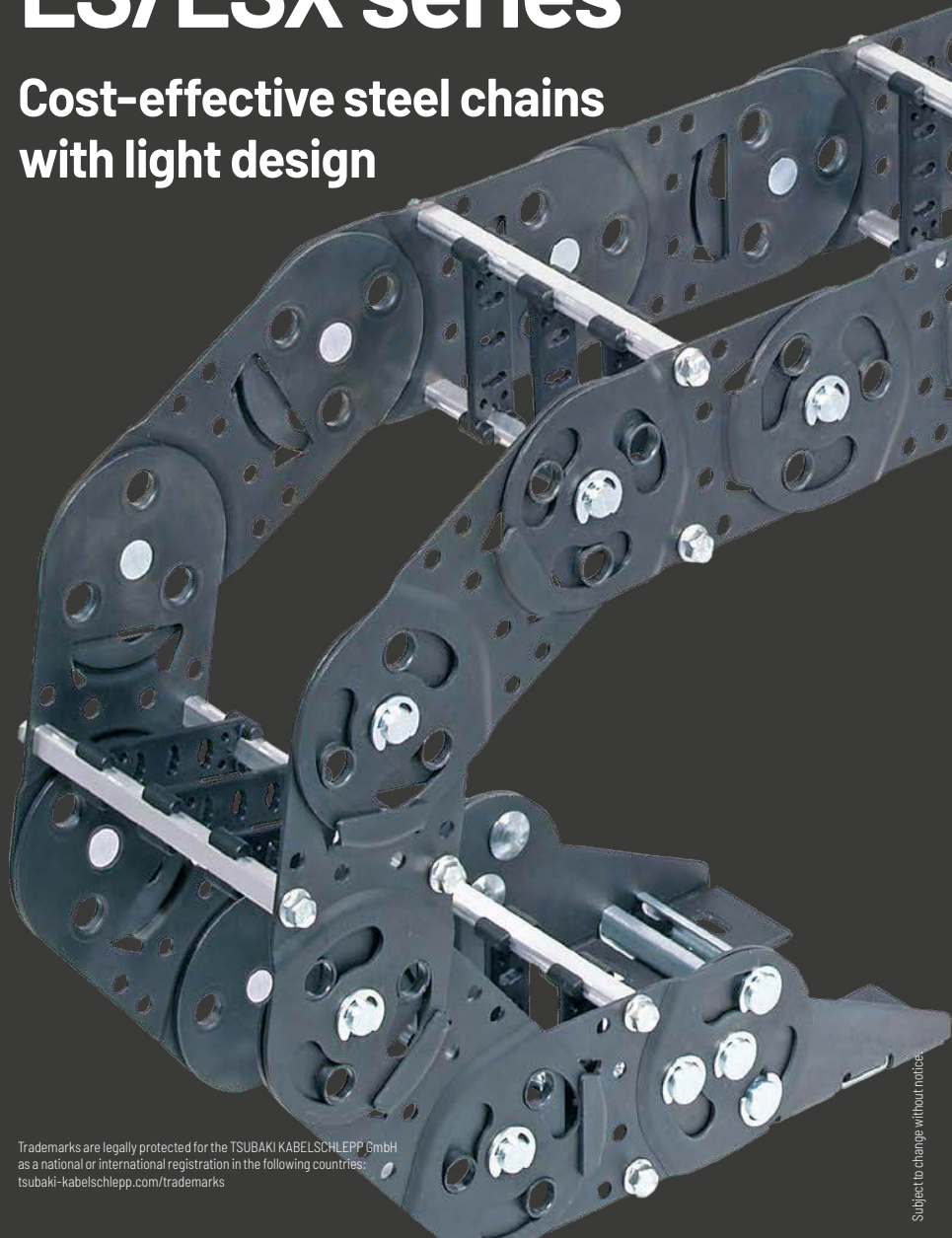
Extremely robust and
stable steel cable carriers

Subject to change without notice.

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Legally binding insofar as only the individual information provided for the specifically requested particular case. Please contact us - we will be happy to advise you!

LS/LSX series

**Cost-effective steel chains
with light design**



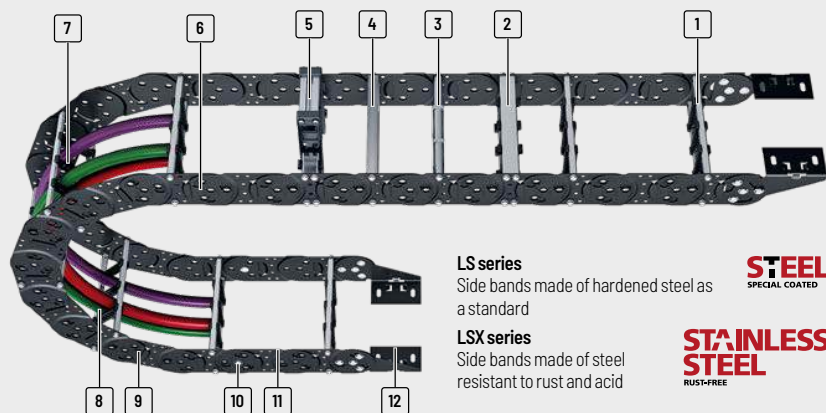
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**LS series**

Side bands made of hardened steel as a standard

STEEL
SPECIAL COATED

LSX series

Side bands made of steel resistant to rust and acid

STAINLESS STEEL
RUST-FREE

- 1 All stays available in **1mm width sections**
- 2 4-fold bolted aluminum stays for extreme loads
- 3 Rolling stays
- 4 Aluminum hole stays
- 5 Mounting frame stays
- 6 Stops integrated into link plate – no additional bolts required
- 7 Different separation options for the cables
- 8 Plastic or steel dividers
- 9 Weight-optimized side bands made of hardened steel or stainless steel
- 10 Optional center bolt for applications with high loads
- 11 Good ratio of inner to outer width – no end divider required
- 12 End connectors for different connection variants

Features

- » Weight-optimized one-part link plate design
- » Better value than comparable steel cable carriers
- » Significantly higher unsupported lengths compared to plastic cable carriers of a similar size
- » Integrated radius and pre-tension stops – in a good value design
- » Bolted stay systems, solid end connectors
- » Cover with steel band available on request
- » Also possible as a double band solution
- » Good corrosion resistance

The design

The weight-optimized link plate design makes the cable carriers very light yet highly sturdy. For the LS series, the unsupported length is significantly higher compared to plastic cable carriers of a similar size.



Weight-optimized link plates consist of only one plate – the stop system is integrated



Lightweight side bands without additional bolts – hardened steel or stainless steel



Optional: Center bolts and circlip for applications with high loads



Optional: C-rail for strain relief elements attached in the connection

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Type	Opening variant	Stay variant	h_i [mm]	h_G [mm]	B_i [mm]	B_k [mm]	B_i - grid [mm]	t [mm]	KR [mm]	Additional load ≤ [kg/m]	Cable- d _{max} [mm]
LS/LSX1050											
		RS2	58	80	84 - 384	100 - 400	1	105	105 - 430	35	46
		RV	58	80	84 - 584	100 - 600	1	105	105 - 430	35	46
		RR	54	80	84 - 484	100 - 500	1	105	105 - 430	35	43
		LG	48	80	54 - 554	100 - 600	1	105	105 - 430	35	38
		RMAI	58 (200)	80 (226)	184 - 384	200 - 400	1	105	195 - 430	35	-
		RMAO	58 (200)	80 (226)	184 - 384	200 - 400	1	105	105 - 430	35	-

Sturdy and durable, even under extreme conditions

Double-band steel cable carrier LS1050

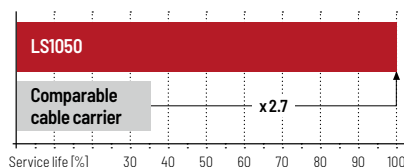
- » Up to 40% longer unsupported lengths compared to LS1050 with standard side band with the same additional load, as part of the load diagram
- » Very high additional loads: up to 40 kg/m possible
- » Long service life even with high dynamic loads
- » High travel speeds



Longer service life through hardened side bands

The hardened surface significantly increases the service life of the LS1050. Tests were carried out on cable carriers with identical designs.

The LS1050 is therefore ideal for applications with many travel cycles, for example in 3-shift operation.

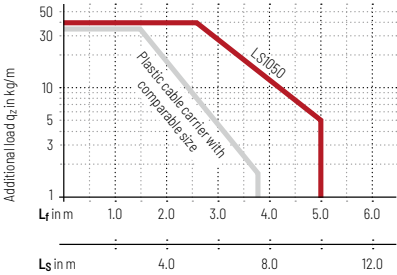
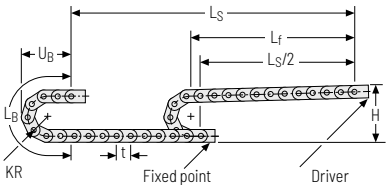


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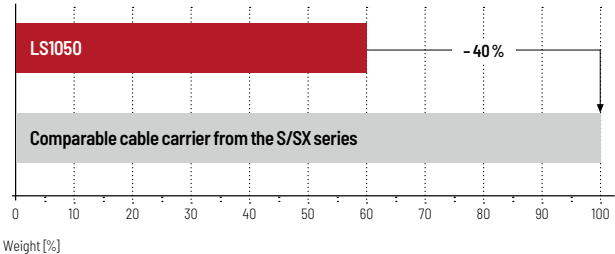
Unsupported arrangement			Gliding arrangement			Inner Distribution				Movement			Page
Travel length ≤ [m]	$v_{\max}$ ≤ [m/s]	$a_{\max}$ ≤ [m/s ²]	Travel length ≤ [m]	$v_{\max}$ ≤ [m/s]	$a_{\max}$ ≤ [m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	
9.5	5	10	-	-	-	•	•	•	•	•	-	-	722
9.5	5	10	-	-	-	•	•	•	•	•	-	-	726
9.5	5	10	-	-	-	•	•	-	-	•	-	-	730
9.5	5	10	-	-	-	-	-	-	-	•	-	-	732
9.5	5	10	-	-	-	•	-	-	-	•	-	-	734
9.5	5	10	-	-	-	•	-	-	-	•	-	-	736

Significantly higher unsupported lengths compared to plastic cable carriers of a similar size

Load diagram for unsupported length depending on the additional load



Weight-optimized through adapted link plate design



Subject to change without notice.

LS/LSX1050



Pitch
105 mm



Inner height
48 - 58 mm



Chain widths
100 - 600 mm



Bending radii
105 - 430 mm

Stay variants



Aluminum stay RS 2 page **722**

Frame stay narrow, bolted

- » Quick to open and close.
- » Aluminum profile bars for light to medium loads. Easy threaded connection.
- » **Inside/outside:** Threaded joint easy to release.



Aluminum stay RV page **726**

Frame stay, reinforced

- » Aluminum profile bars for medium to heavy loads and large cable carrier widths. Double threaded joint on both sides.
- » **Inside/outside:** Threaded joint easy to release.



Tube stay RR page **730**

Frame stay, tube version

- » Steel rolling stays with gentle cable support and steel dividers. Ideal for using media hoses with soft sheathing.
- » **Inside/outside:** Screw connection detachable.



Aluminum stay LG page **732**

Frame stay, split

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- » **Inside/outside:** Threaded joint easy to release.

Stay variants



Aluminum stay RMAI..... page 734

Mounting frame stay

- » Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- » **Inside:** Screw-fixing easy to release.



Aluminum stay RMAO..... page 736

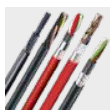
Mounting frame stay

- » Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- » **Outside:** Screw-fixing easy to release.



TOTALTRAX® complete systems

Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were specially developed, optimised and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline.

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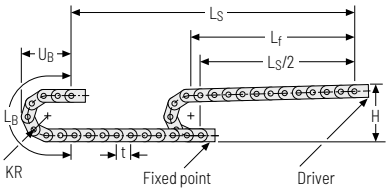
Accessories

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Unsupported arrangement



KR [mm]	H [mm]	L _B [mm]	U _B [mm]
105	330	540	250
125	370	603	270
155	430	697	300
195	510	823	340
260	640	1027	405
295	710	1137	440
325	770	1231	470
365	850	1357	510
430	980	1561	575

Installation height H_z

$H_z = H + 10 \text{ mm/m}$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 3.8 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 5 m/s



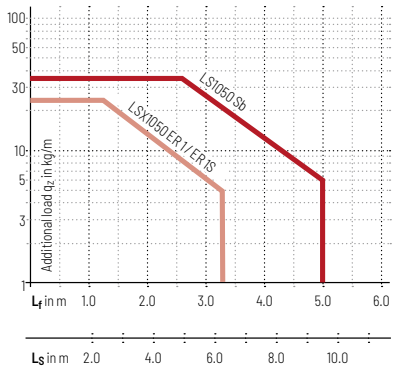
Acceleration
up to 10 m/s^2



Travel length
up to 9.5 m



Additional load
up to 35 kg/m



Information on selecting center bolts and stay arrangement

- » Cable carrier length $< 4 \text{ m}$: half-stayed arrangement as a standard
- » Cable carrier length $> 4 \text{ m}$: fully-stayed arrangement required
- » Stay width $B_{St} > 400 \text{ mm}$: fully-stayed arrangement required
- » Travel speed $> 2.5 \text{ m/s}$: fully-stayed arrangement required
- » Use of support rollers: Center bolt **and** fully-stayed arrangement required

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TRAXLINE®

Aluminum stay RS 2 – frame stay narrow, threaded joint

- » Quick to open and close
- » Aluminum profile bars for light to medium loads.
Simple threaded joint.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.



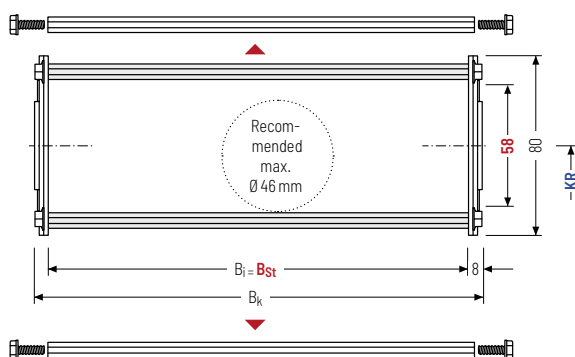
Stay arrangement on every
2nd chain link, **standard**
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



B_k 100 – 400 mm
in 1 mm width sections



The maximum cable diame-
ter strongly depends on the
bending radius and the
desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_s}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _g [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	KR [mm]					q _k [kg/m]
58	80	84 384	84 384	B _{St} + 16	105 295	125 325	155 365	195 430	260	3.63 4.11

* in 1 mm width sections

Order example



LS1050

Type

180

B_{St} [mm]

RS 2

Stay variant

125

KR [mm]

Sb

Material

2415

L_k [mm]

HS

Stay arrangement

Divider systems

As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

As a standard, dividers and the complete divider system (dividers with height separation) can be moved in the cross section (**version A**).

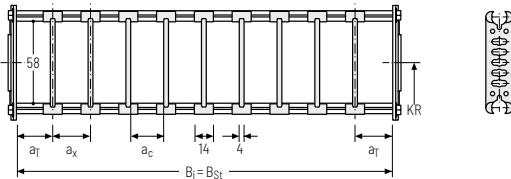
For applications with lateral acceleration and rotated by 90°, the dividers can be attached by simply clipping on a socket (available as an accessory).

The socket additionally serves as a spacer between the dividers and is available in 1 mm sections between 3 – 50 mm as well as 16.5 and 21.5 mm (**version B**).

Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	η _T min
A	7	14	10	-

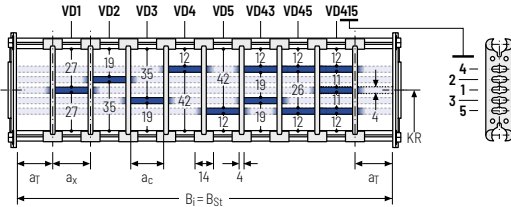
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	η _T min
A	7	25	14	10	2

The dividers can be moved in the cross section.

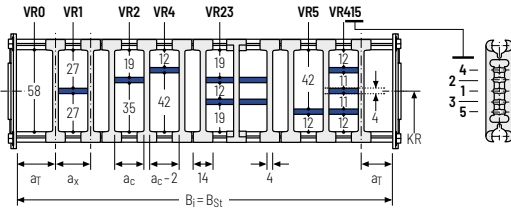


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	η _T min
A	7	23	19	2

With grid distribution (1 mm grid). The dividers are attached by the height separation, the grid can be moved in the cross section.

Sliding dividers are optionally available (thickness of divider = 4 mm).



Please note that the real dimensions may deviate slightly from the values indicated here.

Order example



TS2	A	3	K1	34	VR1
			⋮	⋮	⋮
			K4	38	VR3
Divider system	Version	η _T	Chamber	a _x	Height separation

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

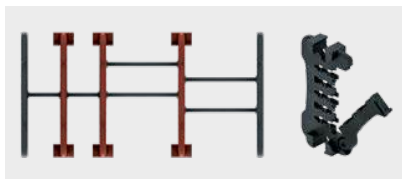
Accessories

TRAXLINE®

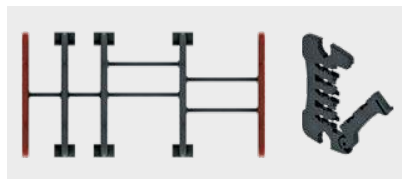
Divider system TS3 with height separation consisting of plastic partitions

As a standard, the divider **version A** is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section.

Divider version A



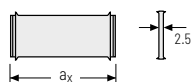
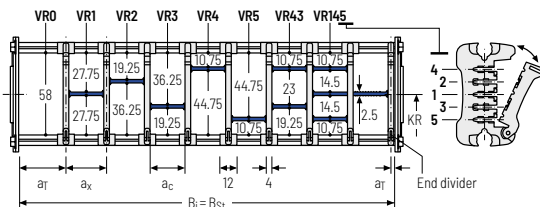
End divider



Vers.	a_T min [mm]	a_X min [mm]	a_C min [mm]	n_T min
A	6 / 2*	14	10	2

* For End divider

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



a_x (center distance of dividers) [mm]																	
a_c (nominal width of inner chamber) [mm]																	
14	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54	
10	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50	
58	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112		
54	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108		

When using partitions with $a_x > 49$ mm we recommend an additional preferential central support.

Order example



TS3	A	3	K1	34	VR1
			:	:	:
			K4	38	VR3
Divider system	Version	n_T	Chamber	a_x	Height separation

Please state the designation of the divider system (TS0, TS1,...), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).

If using divider systems with height separation (TS1, TS3) please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.



Subject to change without notice

725

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XLT
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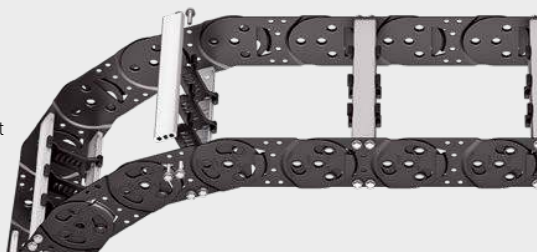
S/SX-Tubes
series

Accessories

TRAXLINE®

Aluminum stay RV – frame stay reinforced

- » Aluminum profile bars for medium to heavy loads and large cable carrier widths. Double threaded joint on both sides.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.



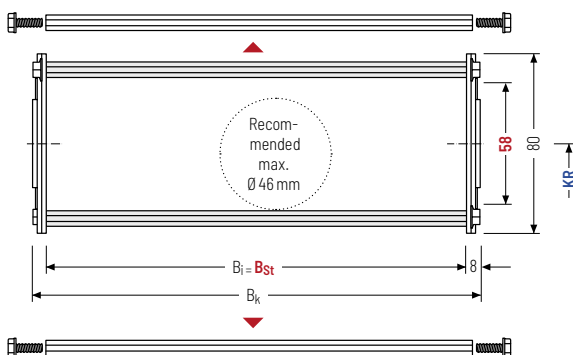
Stay arrangement on every 2nd chain link, **standard** (HS: half-stayed)



Stay arrangement on each chain link (VS: fully-stayed)



1 mm B_k 100 – 600 mm in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_s}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

h _i [mm]	h _g [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	KR [mm]					q _k [kg/m]
58	80	84	84	B _{St} + 16	105	125	155	195	260	4.00
		584	584		295	325	365	430		5.95

* in 1 mm width sections

Order example



LS1050

Type

180

B_{St} [mm]

RV

Stay variant

125

KR [mm]

Sb

Material

2415

L_k [mm]

HS

Stay arrangement

Divider systems

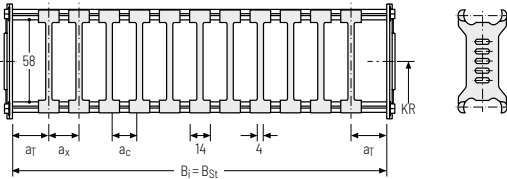
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

As a standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section (**version A**).

Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	7	14	10	-

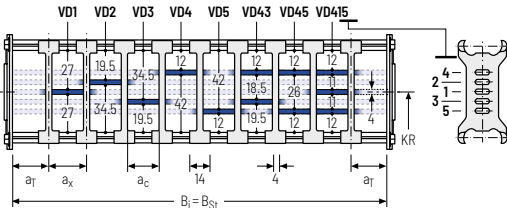
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	7	25	14	10	2

The dividers can be moved in the cross section.

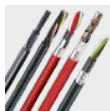
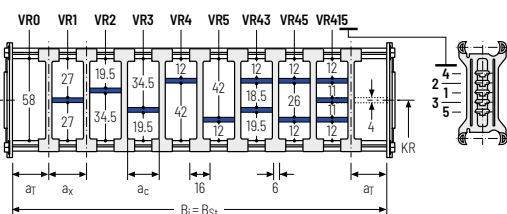


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	8	21	15	2

With grid distribution (1 mm grid).
The dividers are attached by the height separation, the grid can be moved in the cross section.

Sliding dividers are optionally available (thickness of divider = 4 mm).



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline

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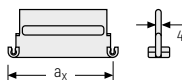
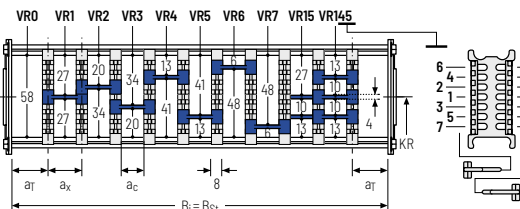
TRAXLINE®

Divider system TS3 with height separation made of plastic partitions

Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	n_T min
A	4	16 / 42*	8	2

* For aluminum partitions

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



Aluminum partitions in 1 mm increments with $a_x > 42$ mm are also available.

a_x (center distance of dividers) [mm]											
a_c (nominal width of inner chamber) [mm]											
16	18	23	28	32	33	38	43	48	58	64	68
8	10	15	20	24	25	30	35	40	50	56	60
78	80	88	96	112	128	144	160	176	192	208	
70	72	80	88	104	120	136	152	168	184	200	

When using **plastic partitions with $a_x > 112$ mm**, we recommend an additional center support with a **twin divider** ($S_T = 4$ mm). Twin dividers are also suitable for retrofitting in the partition system.

Order example



TS3	A	3	K1	34	VR1
			:	:	:
			K4	38	VR3
Divider system	Version	n_T	Chamber	a_x	Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).

If using divider systems with height separation (**TS1, TS3**) please also state the positions [e.g. VD23] viewed from the left carrier belt. You are welcome to add a sketch to your order.

More product information online

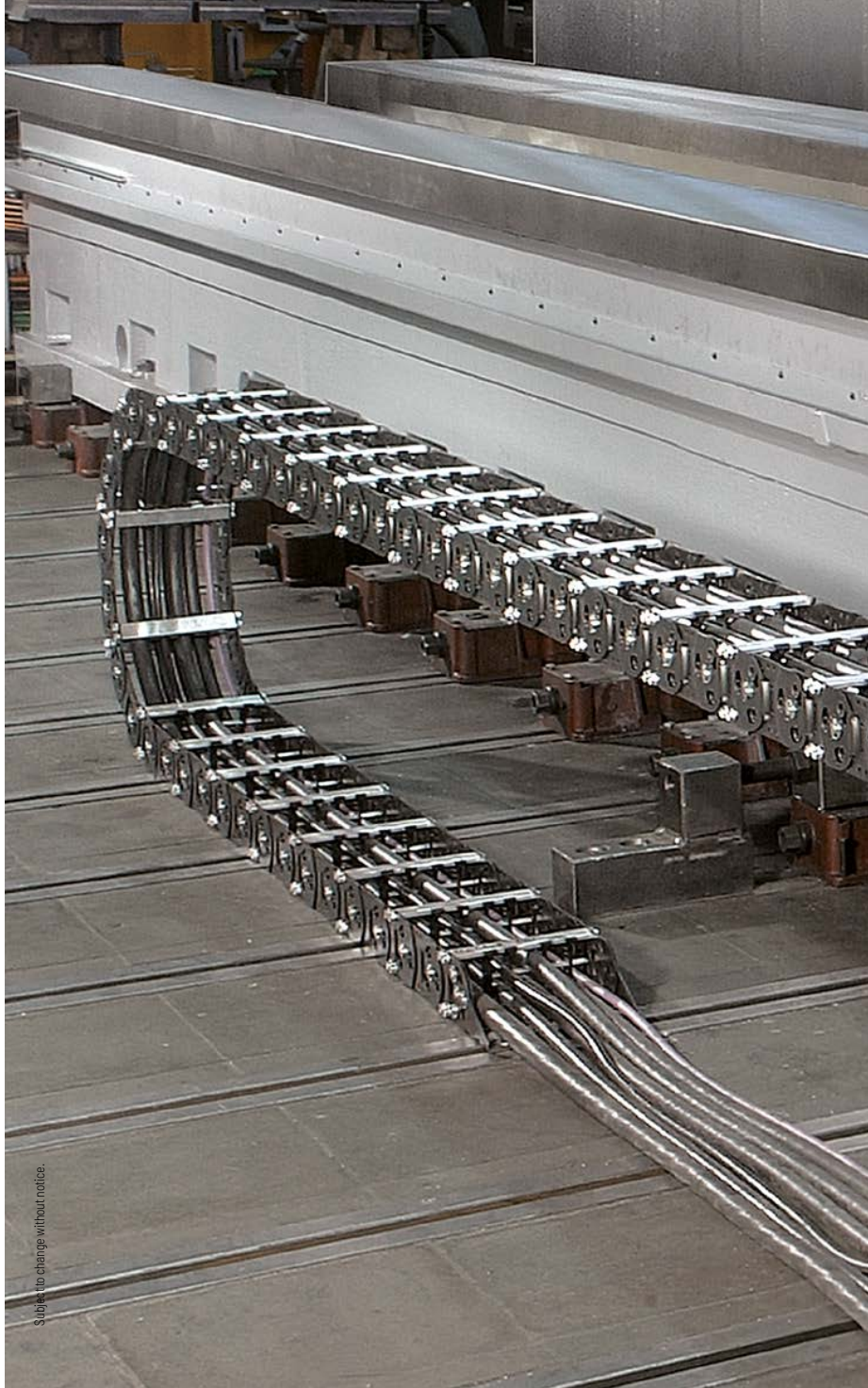


Assembly instructions etc.:
Additional info via your smartphone or
check online at
tsubaki-kabelschlepp.com/downloads



Configure your cable carrier here:
online-engineer.de

Subject to change without notice.



Subject to change without notice.

729

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

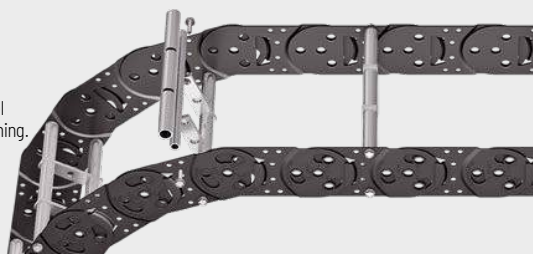
S/SX-Tubes
series

Accessories

TRAXLINE®

Tube stay RR – frame stay, tube version

- » Steel rolling stays with gentle cable support and steel dividers. Ideal for using media hoses with soft sheathing. Easy screw connection.
- » Available customized in **1 mm width sections**.
- » **Inside/outside: Screw connection detachable**
- » **Option:** Divider systems made from steel and stainless steel ER 1, ER 1S.



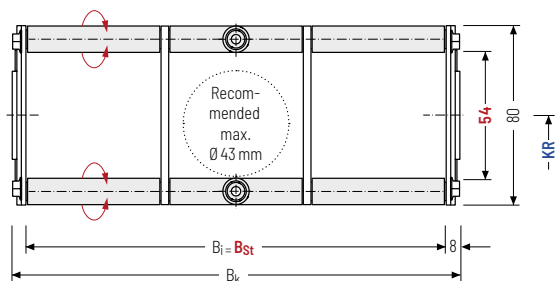
Stay arrangement on every 2nd chain link, **standard (HS: half-stayed)**



Stay arrangement on each chain link (**VS: fully-stayed**)



1mm B_k 100 – 500 mm in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_s}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

h _i [mm]	h _g [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	KR [mm]					q _k [kg/m]
54	80	84 484	84 484	B _{St} + 16	105 295	125 325	155 365	195 430	260	4.25 7.80

* in 1 mm width sections



LS1050

Type

180

B_{St} [mm]

RR

Stay variant

125

KR [mm]

Sb

Material

2415

L_k [mm]

HS

Stay arrangement

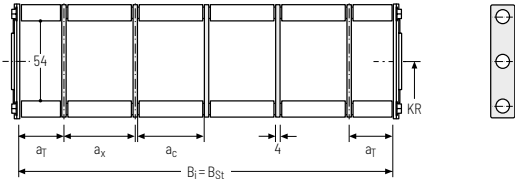
Divider systems

As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

The dividers are fixed through the tubes.
The tube additionally serves as a spacer between the dividers (**version B**).

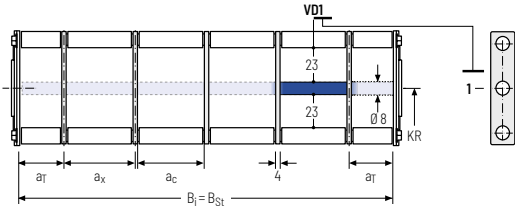
Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	20	20	16	-



Divider system TS1 with continuous height separation

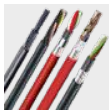
Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	20	25	20	16	2



Order example

TS1	B	3	K1	34	V00
			⋮	⋮	⋮
			K4	38	V00
Divider system	Version	n _T	Chamber	a _x	Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay LG – hole stay, split version

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



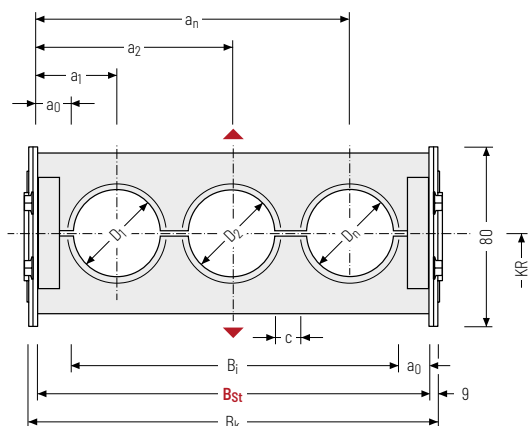
Stay arrangement on every 2nd chain link, **standard** (HS: half-stayed)



Stay arrangement on each chain link (VS: fully-stayed)



1 mm B_k 100 – 600 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_s}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

Calculating the stay width

Stay width B_{St}

$$B_{St} = \sum D + \sum c + 2 a_0$$

D _{max} [mm]	D _{min} [mm]	h _G [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	c _{min} [mm]	a ₀ min [mm]	KR [mm]					q _k 50%** [kg/m]
48	12	80	54	82	B _{St} + 18	4	14	105	125	155	195	260	4.00
			554	582				295	325	365	430		7.99

* in 1 mm width sections ** Hole ratio of the hole stay approx. 50 %



LS1050
Type

180
B_{St} [mm]

LG
Stay variant

125
KR [mm]

Sb
Material

2415
L_k [mm]

HS
Stay arrangement



Subject to change without notice.

733

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®

Aluminum stay RMAI – mounting frame stay

- » Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- » The mounting frame stay is mounted on the inside in the bending radius.
- » Available customized in **1 mm width sections**.
- » **Inside:** Screw-fixing easy to release.



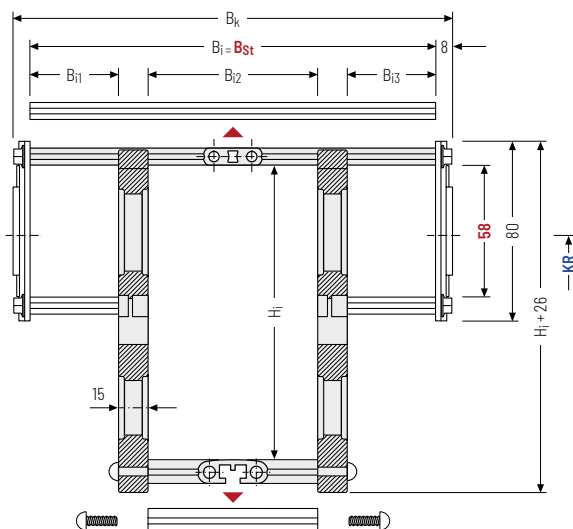
Stay arrangement on every
2nd chain link, **standard**
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1 mm B_k 200 – 400 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k = \frac{L_s}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t



Intrinsic cable carrier weight

Determining the intrinsic cable carrier weight strongly depends on the selected stay arrangement. Please contact us.

h _i [mm]	H _i [mm]	h _G [mm]	B _i [mm]	B _{i1 min} [mm]	B _{i2 min} [mm]	B _{i3 min} [mm]	B _{St} [mm]*	B _k [mm]	KR [mm]		
58	130 160 200	80	184 384	35	84	35	184 384	B _{St} + 16	195 325	260 365	295 430

* in 1 mm width sections

Order example



LS1050

Type

280

B_{St} [mm]

RMAI

Stay variant

195

KR [mm]

Sb

Material

2415

L_k [mm]

HS

Stay arrangement

Subject to change without notice.

RMAI – assembly to the inside:

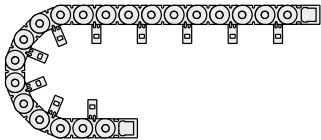
Gliding application is not possible when using assembly version RMAI.

Observe minimum KR:

H₁ = 130 mm: KR_{min} = 195 mm

H₁ = 160 mm: KR_{min} = 260 mm

H₁ = 200 mm: KR_{min} = 260 mm



MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®



TOTALTRAX® complete systems

Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were specially developed, optimised and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline.

Subject to change without notice.

Aluminum stay RMAO – mounting frame stay

- » Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- » The mounting frame stay is mounted on the outside in the bending radius.
- » Available customized in **1 mm width sections**.
- » **Outside:** Screw-fixing easy to release.



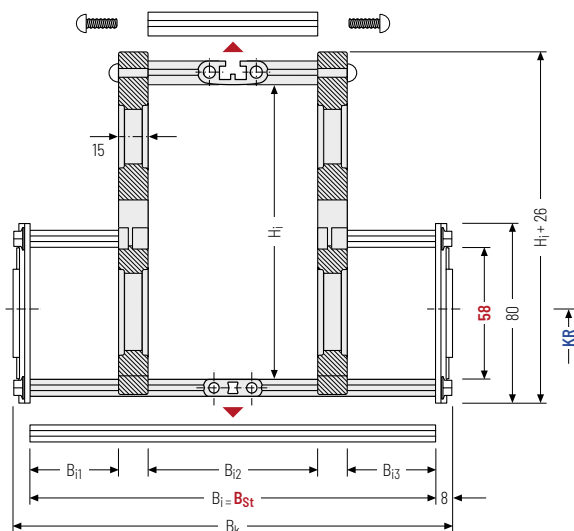
Stay arrangement on every
2nd chain link, **standard**
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k 200 – 400 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k = \frac{L_s}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t



Intrinsic cable carrier weight

Determining the intrinsic cable carrier weight strongly depends on the selected stay arrangement. Please contact us.

h _i [mm]	H _i [mm]	h _G [mm]	B _i [mm]	B _{i1} min [mm]	B _{i2} min [mm]	B _{i3} min [mm]	B _{St} [mm]*	B _k [mm]	KR [mm]
58	130 160 200	80	184 384	35	84	35	184 384	B _{St} + 16	105 125 155 195 260 295 325 365 430

* in 1 mm width sections

Order example



LS1050

Type

280

B_{St} [mm]

RMAO

Stay variant

195

KR [mm]

Sb

Material

2415

L_k [mm]

HS

Stay arrangement

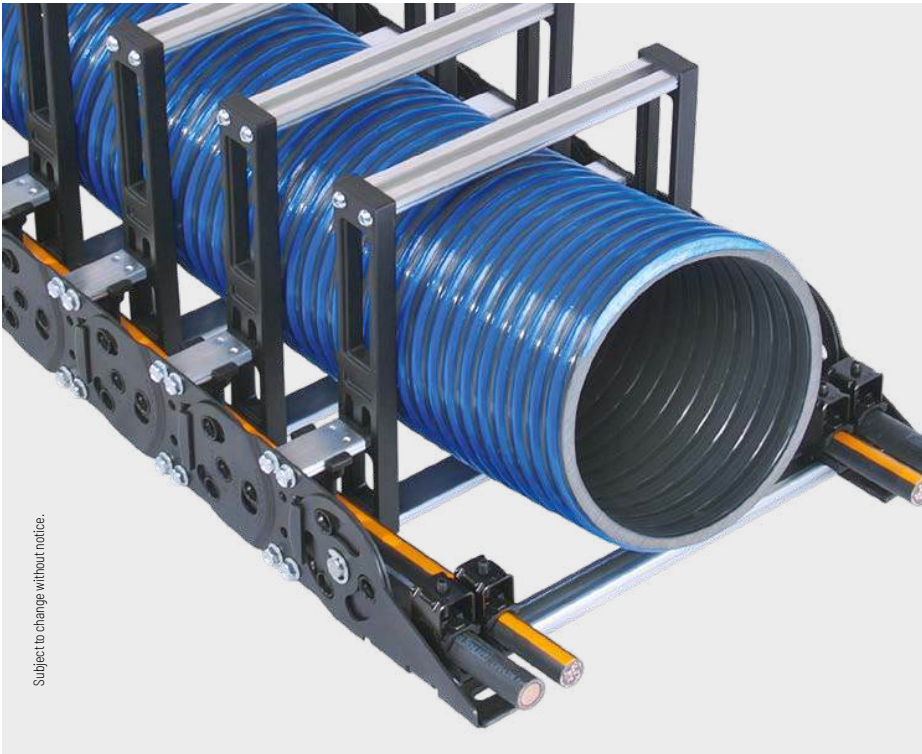
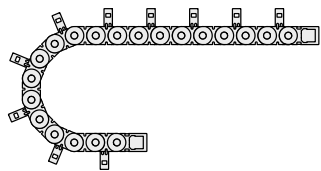
Subject to change without notice.

RMA0 – assembly to the outside:

The cable carrier has to rest on the side bands and not on the stays.

Guiding in a **channel is required** for support.
Please contact our technical support at technik@kabelschlepp.de to find the corresponding guide channel.

Please note the operating and installation height.



Subject to change without notice.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

MT
seriesXLT
seriesROBOTRAX®
System

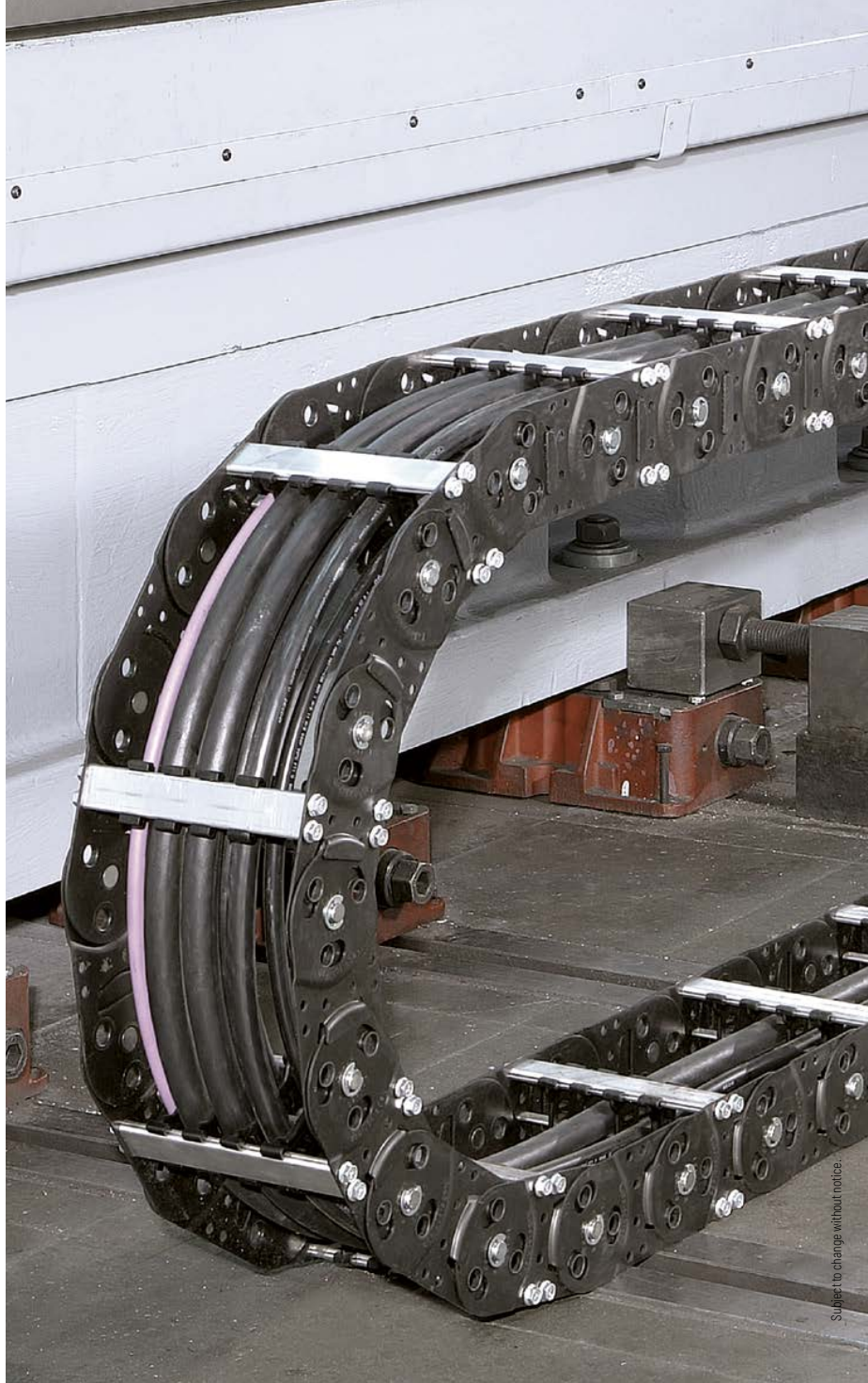
FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

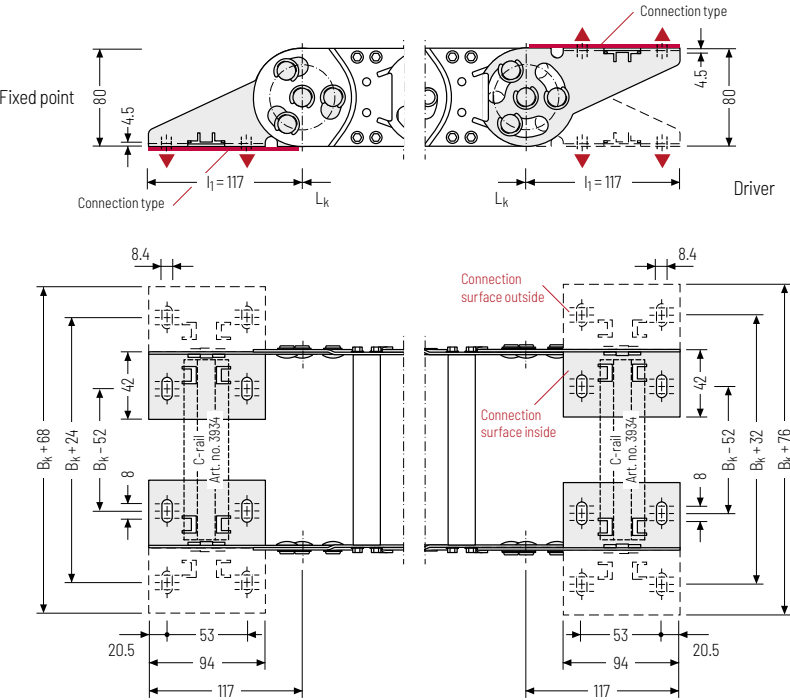
TRAXLINE®



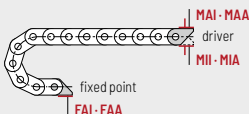
Subject to change without notice.

End connectors - steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options



Connection point
F - fixed point
M - driver

Connecting surface
A - connecting surface outside
I - connecting surface inside

Connection type
A - threaded joint outside (standard)
I - threaded joint inside

Order example

Steel	F	A	I
Steel	M	A	I
End connector	Connection point	Connection type	Connection surface

We recommend the use of strain reliefs before driver and fixed point. See from p. 924.

Subject to change without notice.

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

S/SX series

Extremely robust and
sturdy steel cable carriers



* Only S/SX 1252B
and S/SX 1802B

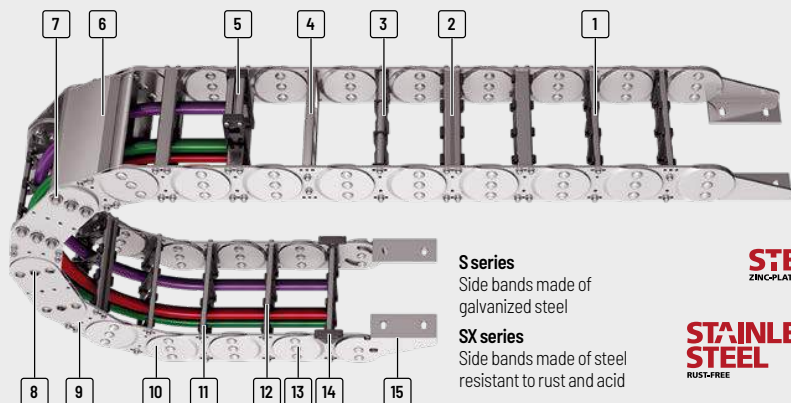
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Curitiba/PR | atendimento em todo o Brasil

**S series**

Side bands made of galvanized steel

STEEL
ZINC-PLATED

SX series

Side bands made of steel resistant to rust and acid

STAINLESS STEEL
RUST-FREE

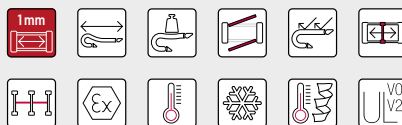
- 1 All stays available in **1 mm width sections**
- 2 Aluminum stays with 4 screw-fixing points for extreme loads
- 3 Roller stays
- 4 Aluminum hole stays
- 5 Mounting frame stays
- 6 Aluminum cover available in **1 mm width sections**
- 7 Joint design with hardened bolts for long service life
- 8 Bolted and riveted joint connections possible
- 9 Straight link plate design (S/SX1252/1252B and S/SX1802/1802B)
- 10 Cranked link plate design
- 11 Different separation options for the cables
- 12 Opening inside and outside
- 13 Extremely robust side bands
- 14 Replaceable glide shoes
- 15 End connectors for different connection variants

Features

- » Extremely robust, sturdy steel cable carriers for heavy mechanical loads and rough environmental conditions
- » Side bands made of galvanized steel (S series) or corrosion-resistant and acid-resistant steel (SX series) in three qualities: ER 1 / ER 1S and ER 2
- » Very sturdy link plates, each consisting of two individual plates
- » Very extensive unsupported lengths even with large additional loads
- » Bolted stay systems, solid end connectors
- » Joint design with multi stroke system and hardened bolt
- » Explosion protection with classification EX II 2 GD as per ATEX RL

The design

Proven steel cable carriers with extremely sturdy link plates and dedicated joint design with multi stroke system and hardened bolt. The extremely sturdy design allows extensive unsupported lengths and high possible additional loads.



Sandwich design:
Link plates consist of two plates



Glide shoes available for gliding applications



Stroke system with hardened bolt and circlips



Also available as covered variants with cover system or steel band cover, p. 824 and p. 936

	Type	Opening variant	Stay variant	h_i [mm]	h_G [mm]	B_i [mm]	B_k [mm]	B_i - grid [mm]	t [mm]	KR [mm]	Additional load ≤ [kg/m]	Cable- d _{max} [mm]
MT series												
XLT series	S/SX0650											
ROBOTRAX® System			RS1	31	50	65 - 265	100 - 300	1	65	75 - 400	30	24
			RS2	31	50	69 - 369	100 - 400	1	65	75 - 400	30	24
			RR	26	50	69 - 369	100 - 400	1	65	75 - 400	30	20
			LG	34	50	35 - 465	70 - 500	1	65	75 - 400	30	26
			RMA	31 (200)	50 (224)	155 - 355	200 - 400	1	65	75 - 400	30	-
FLATVEYOR®	S/SX0950											
CLEANVEYOR®			RS1	46	68	107 - 257	150 - 300	1	95	125 - 600	45	36
			RS2	46	68	113 - 363	150 - 400	1	95	125 - 600	45	36
			RM	43	68	88 - 563	125 - 600	1	95	125 - 600	45	34
			RR	42	68	115 - 465	150 - 500	1	95	125 - 600	45	33
			LG	50	68	82 - 557	125 - 600	1	95	125 - 600	45	38
LS/SX series			RMR	40	68	108 - 558	150 - 600	1	95	125 - 600	45	32
S/SX series	S/SX1250											
S/SX-Tubes series			RS1	72	94	152 - 352	200 - 400	1	125	145 - 1000	50	57
			RS2	72	94	156 - 456	200 - 500	1	125	145 - 1000	50	57
			RV	72	94	154 - 554	200 - 600	1	125	145 - 1000	50	57
			RM	69	94	151 - 751	200 - 800	1	125	145 - 1000	50	55
			RR	66	94	160 - 560	200 - 600	1	125	145 - 1000	50	52
Accessories			LG	76	94	82 - 752	130 - 800	1	125	145 - 1000	50	59
			RMA	72 (200)	94 (226)	154 - 554	200 - 600	1	125	145 - 1000	50	-
			RMR	66	94	153 - 753	200 - 800	1	125	145 - 1000	50	52
TRAXLINE®	* More information can be found in our technical manual. ** Depending on the specific application, additional gliding elements or rollers are required. *** Application-specific, values on request.											

Subject to change without notice.

	Unsupported arrangement			Gliding arrangement			Inner Distribution				Movement			Page
	Travel length ≤ [m]	v_{max} ≤ [m/s]	a_{max} ≤ [m/s ²]	Travel length ≤ [m]	v_{max} ≤ [m/s]	a_{max} ≤ [m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side**	rotating arrangement**	
	5.8	2.5	5	***	1	2	•	•	***	-	•	•	•	750
	5.8	2.5	5	***	1	2	•	•	***	-	•	•	•	752
	5.8	2.5	5	***	1	2	•	•	-	-	•	•	•	754
	5.8	2.5	5	***	1	2	-	-	-	-	•	•	•	756
	5.8	2.5	5	***	1	2	•	-	-	-	•	•	-	*
	8.8	2.5	5	***	1	2	•	•	***	-	•	•	•	760
	8.8	2.5	5	***	1	2	•	•	***	-	•	•	•	762
	8.8	2.5	5	***	1	2	•	•	-	-	•	•	•	764
	8.8	2.5	5	***	1	2	•	•	-	-	•	•	•	766
	8.8	2.5	5	***	1	2	-	-	-	-	•	•	•	768
	8.8	2.5	5	***	1	2	•	-	-	-	•	•	•	*
	13.5	2.5	5	***	1	2	•	•	-	•	•	•	•	774
	13.5	2.5	5	***	1	2	•	•	-	•	•	•	•	778
	13.5	2.5	5	***	1	2	•	•	•	•	•	•	•	782
	13.5	2.5	5	***	1	2	•	•	•	-	•	•	•	786
	13.5	2.5	5	***	1	2	•	•	-	-	•	•	•	788
	13.5	2.5	5	***	1	2	-	-	-	-	•	•	•	790
	13.5	2.5	5	***	1	2	•	-	-	-	•	•	-	*
	13.5	2.5	5	***	1	2	•	-	-	-	•	•	•	*

Subject to change without notice.

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/SX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

TRAXLINE®

	Type	Opening variant	Stay variant	h_i [mm]	h_G [mm]	B_i [mm]	B_k [mm]	B_i - grid [mm]	t [mm]	KR [mm]	Additional load ≤ [kg/m]	Cable- d_{max} [mm]
MT series												
XLT series	S/SX1800											
ROBOTRAY® System		RM	108	140	188 - 938	250 - 1000	1	180	265 - 1300	60	86	
		RR	104	140	201 - 751	250 - 800	1	180	265 - 1300	60	83	
		LG	110	140	121 - 941	180 - 1000	1	180	265 - 1300	60	88	
S/SX2500												
FLATVEYOR®		RM	183	220	175 - 1125	250 - 1200	1	250	365 - 1395	100	146	
		LG	180	220	174 - 1124	250 - 1200	1	250	365 - 1395	100	144	
S/SX3200												
CLEANVEYOR®		LG	220	300	181 - 1416	250 - 1500	1	320	470 - 1785	150	176	
LS/SX series	S/SX5000											
S/SX series		***	150	200	133 - 1083	250 - 1200	1	200	500 - 1200	100	-	
S/SX6000												
S/SX-Tubes series		***	240	300	177 - 1377	300 - 1500	1	320	700 - 1500	150	-	
Accessories												
TRAXLINE®	* More information can be found in our technical manual. ** Depending on the specific application, additional gliding elements or rollers are required. *** Application-specific.											

Subject to change without notice.

Subject to change without notice.

Unsupported arrangement			Gliding arrangement			Inner Distribution				Movement			Page
Travel length ≤ [m]	v _{max} ≤ [m/s]	a _{max} ≤ [m/s²]	Travel length ≤ [m]	v _{max} ≤ [m/s]	a _{max} ≤ [m/s²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side**	rotating arrangement**	
17.8	2	3	***	0.8	2	•	•	-	•	•	•	•	796
17.8	2	3	***	0.8	2	•	•	-	-	•	•	•	798
17.8	2	3	***	0.8	2	-	-	-	-	•	•	•	800
23.7	1	3	-	-	-	•	•	•	-	•	•	•	804
23.7	1	3	-	-	-	-	-	-	-	•	•	•	808
24	1	2.5	-	-	-	-	-	-	-	•	•	•	812
11	2	3	-	-	-	-	•	-	-	•	•	•	816
16.7	1.5	2	-	-	-	-	•	-	-	•	•	•	817

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Subject to change without notice.

Type	Opening variant	Stay variant	h _i [mm]	h _G [mm]	B _i [mm]	B _k [mm]	B _i - grid [mm]	t [mm]	KR [mm]	Additional load ≤ [kg/m]	Cable- d _{max} [mm]
MT series											
XLT series	S/SX7000										
		***	370	450	200 - 1650	350 - 1800	1	450	900 - 2400	600	-
ROBOTRAX® System											
	S/SX8000										
		***	578	600	200 - 1650	350 - 1800	1	550	900 - 2400	800	-
FLATVEYOR®											
	S/SX9000										
		***	Custom sizes from a cable carrier width of 350 mm								
CLEANVEYOR®											
LS/SX series											
S/SX series											
S/SX-Tubes series											
Accessories											
TRAXLINE®											

** Depending on the specific application, additional gliding elements or rollers are required.
*** Application-specific.



S/SX tubes

Also available as covered variants with cover system or steel band cover.
More information can be found in chapter "S/SX tubes" from p. 824.

Subject to change without notice.

Unsupported arrangement			Gliding arrangement			Inner Distribution				Movement			Page
Travel length ≤ [m]	v _{max} ≤ [m/s]	a _{max} ≤ [m/s²]	Travel length ≤ [m]	v _{max} ≤ [m/s]	a _{max} ≤ [m/s²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side**	rotating arrangement**	
24.9	0.5	0.3	-	-	-	-	•	-	-	•	•	•	818
24.9	0.5	0.3	-	-	-	-	•	-	-	•	•	•	819
													822

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Subject to change without notice.

S/SX0650



Pitch
65 mm



Inner height
26 - 34 mm



Chain widths
70 - 500 mm



Bending radii
75 - 400 mm

Stay variants



Aluminum stay RS 1 page **750**

Frame stay narrow "The standard"

- » Aluminum profile bars for light to medium loads.
- » **Outside:** release by turning by 90°.
- » **Inside:** Threaded joints easy to release.



Aluminum stay RS 2 page **752**

Frame stay narrow, bolted

- » Aluminum profile bars for light to medium loads. Simple threaded joint.
- » **Outside/inside:** Threaded joints easy to release.



Aluminum stay RR page **754**

Frame stay, tube version

- » Steel rolling stays with gentle cable support and steel dividers. Ideal for using media hoses with soft sheathing.
- » **Inside/outside:** Screw connection detachable.



Aluminum stay LG page **756**

Frame stay, split

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- » **Inside/outside:** Threaded joint easy to release.

Additional stay variants on request



Aluminum stay RMA

For guiding very large cable diameters

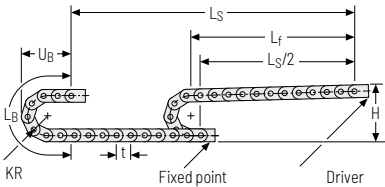


S/SX tubes

Also available as covered variants with cover system or steel band cover. More information can be found in chapter "S/SX tubes" from p. 824.

Subject to change without notice.

Unsupported arrangement



KR [mm]	H [mm]	LB [mm]	UB [mm]
75	225	496	230
95	265	558	250
115	305	621	270
125	325	653	280
135	345	684	290
145	365	716	300
155	385	747	310
175	425	810	330
200	475	888	355
250	575	1045	405
300	675	1202	455
400	875	1516	555

Installation height H_z

$H_z = H + 10 \text{ mm/m}$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 4.5 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 2.5 m/s



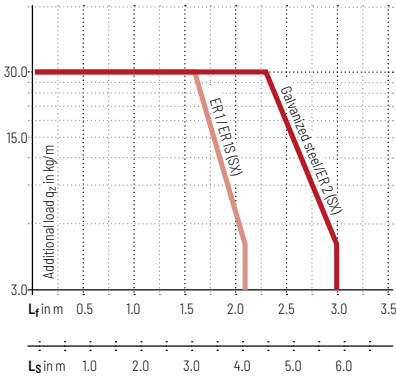
Acceleration
up to 5 m/s²



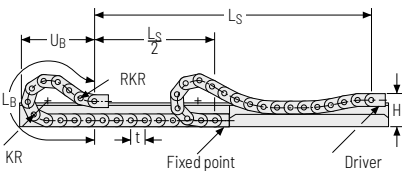
Travel length
up to 5.8 m



Additional load
up to 30 kg/m



Gliding arrangement



The gliding cable carrier must be guided in a channel.
See p. 866.

Gliding shoes have to be used for gliding applications.



Speed
up to 1 m/s



Acceleration
up to 2 m/s²



Travel length
on request



Additional load
up to 30 kg/m

Subject to change without notice.

Aluminum stay RS1 – frame stay narrow

- » Extremely quick to open and close
- » Aluminum profile bars for light to medium loads.
- » Available customized in **1 mm width sections**.
- » **Outside:** release by rotating 90°.
- » **Inside:** Threaded joint easy to release.



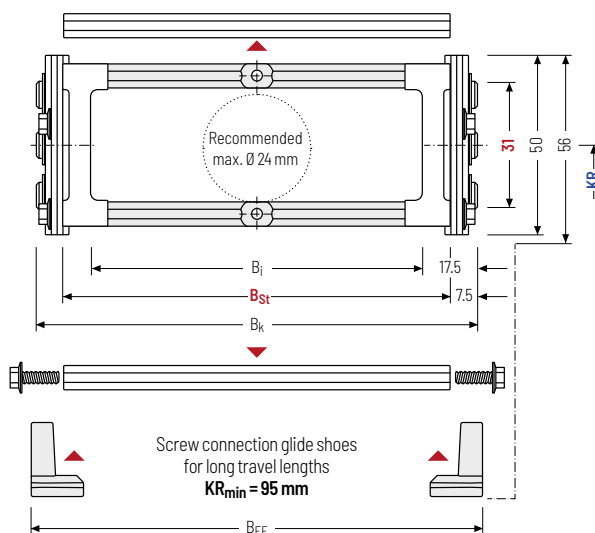
Stay arrangement on every
2nd chain link standard
(**HS: half-stayed**)



Stay arrangement on each
chain link (**VS: fully-stayed**)



1mm B_k from 100 – 300 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _g [mm]	h _{g'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]						q _k [kg/m]
31	50	56	65 265	85 285	B _{St} + 15	B _{St} + 20	75 155	95 175	115 200	125 250	135 300	145 400	3.95 4.82

* in 1 mm width sections

Order example



SX0650

Type

180

B_{St} [mm]

RS1

Stay variant

135

KR [mm]

St

Material

1430

L_k [mm]

HS

Stay arrangement

Divider systems

The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

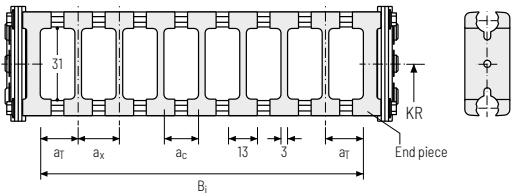
For applications with lateral acceleration and rotated by 90°, the dividers can be attached by simply clipping onto a socket (available as an accessory).

The socket additionally acts as a spacer between the dividers and is available in 1 mm increments between 3 – 50 mm (**version B**).

Divider system TS0 without height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	11.5	13	10	-

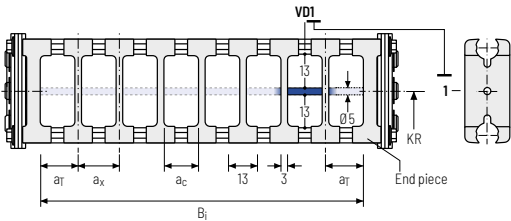
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	11.5	13	10	2

The dividers can be moved in the cross section.



Order example



TS1

A

3

VD0

⋮

VD1

Divider system

Version

nT

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [nT].

If using divider systems with height separation (**TS1**) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

The end pieces are part of the divider system and don't have to be ordered separately.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Subject to change without notice.

Aluminum stay RS 2 – frame stay narrow, threaded joint

- » Quick to open and close
- » Aluminum profile bars for light to medium loads. Simple threaded joint
- » Available customized in **1 mm width sections**.
- » **Outside/inside:** Threaded joint easy to release.



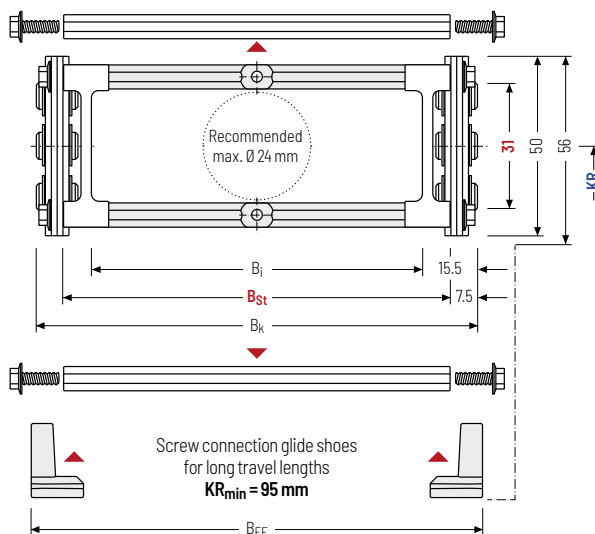
Stay arrangement on every
2nd chain link standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k from 100 – 400 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _g [mm]	h _{g'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]						q _k [kg/m]
31	50	56	69 369	85 385	B _{St} + 15	B _{St} + 20	75 155	95 175	115 200	125 250	135 300	145 400	3.95 5.25

* in 1 mm width sections

Order example



S0650

Type

180

B_{St} [mm]

RS 2

Stay variant

135

KR [mm]

St

Material

1430

L_k [mm]

HS

Stay arrangement

Divider systems

The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

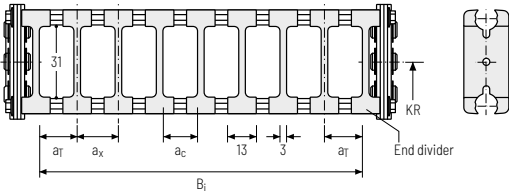
For applications with lateral acceleration and rotated by 90°, the dividers can be attached by simply clipping onto a socket (available as an accessory).

The socket additionally acts as a spacer between the dividers and is available in 1 mm increments between 3 – 50 mm (**version B**).

Divider system TS0 without height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	11.5	13	10	-

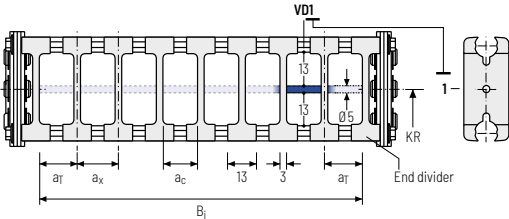
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	11.5	13	10	2

The dividers can be moved in the cross section.



Order example



TS1

A

3

V00

⋮

V01

Divider system

Version

nT

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T].

If using divider systems with height separation (**TS1**) please also state the positions [e.g. V01] viewed from the left driver belt. You are welcome to add a sketch to your order.

The end dividers are part of the divider system and don't have to be ordered separately.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Subject to change without notice.

Tube stay RR – frame stay, tube version

- » Steel rolling stays with gentle cable support and plastic dividers. Ideal for using media hoses with soft sheathing. Easy screw connection.
- » Available customized in **1 mm width sections**.
- » **Inside/outside:** Screw connection detachable
- » **Option:** Divider systems made from steel and stainless steel ER 1, ER 1S.



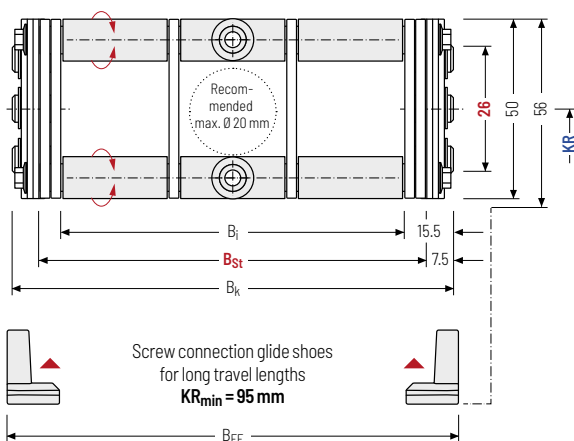
Stay arrangement on every
2nd chain link standard
(**HS: half-stayed**)



Stay arrangement on each
chain link (**VS: fully-stayed**)



1mm B_k from 100 – 400 mm
in **1 mm width sections**



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _g [mm]	h _{g'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]						q _k [kg/m]
26	50	56	69 369	85 385	B _{St} + 15	B _{St} + 20	75 155	95 175	115 200	125 250	135 300	145 400	4.77 8.67

* in 1 mm width sections

Order example



S0650

Type

180

B_{St} [mm]

RR

Stay variant

135

KR [mm]

St

Material

1430

L_k [mm]

HS

Stay arrangement

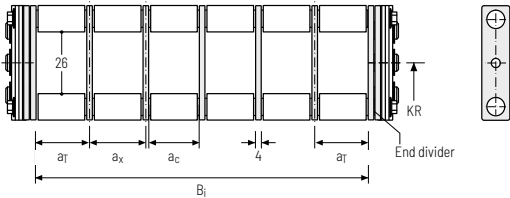
Divider systems

As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

The dividers are fixed through the tubes.
The tube additionally serves as a spacer between the dividers (**version B**).

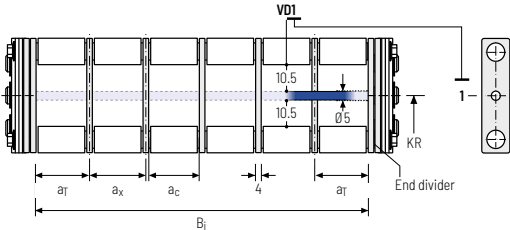
Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	20	25	21	-



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	20	25	21	2



Order example



TS1

B

3

K1

34

V00

⋮

⋮

⋮

K4

38

V00

Divider system

Version

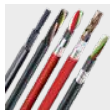
n_T

Chamber

a_x

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay LG – hole stay, split version

- » Optimum cable routing in the neutral bending line.
Split version for easy cable routing. Stays also available unsplit.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



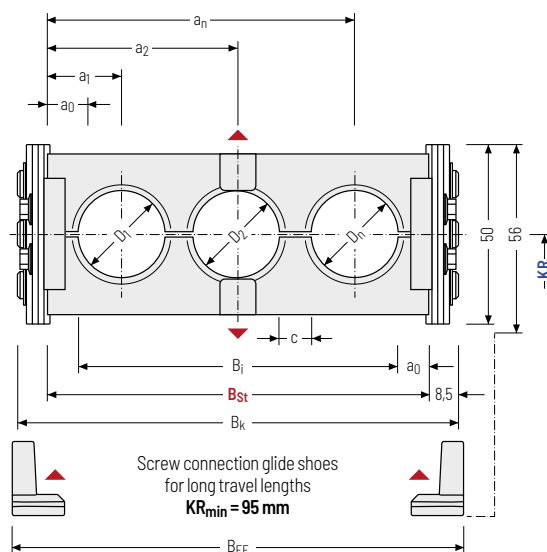
Stay arrangement on every
2nd chain link standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k 70 – 500 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

Calculating the stay width

Stay width B_{St}

$$B_{St} = \sum D + \sum c + 2 a_0$$

D _{max} [mm]	D _{min} [mm]	h _G [mm]	h _{G'} [mm]	B _t [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	c _{min} [mm]	a _{0 min} [mm]	KR [mm]				q _k 50%** [kg/m]
34	10	50	56	35	53	B _{St}	B _{St}	4	9	75	95	115	125	3.96
				-	-	+	+			135	145	155	175	-
				465	483	17	22			200	250	300	400	6.46

* in 1 mm width sections

** Hole ratio of the hole stay approx. 50 %

Order example



S0650
Type

180
B_{St} [mm]

LG
Stay variant

135
KR [mm]

St
Material

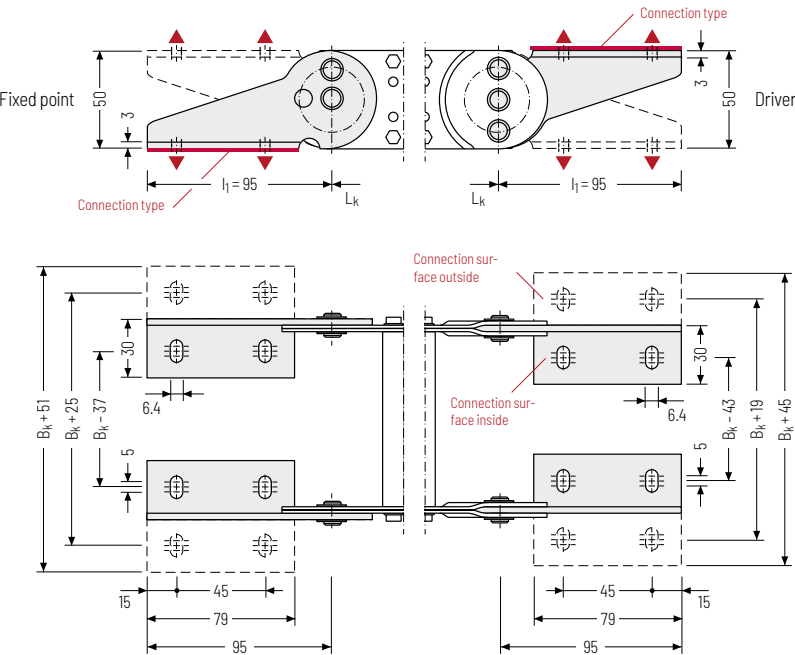
1430
L_k [mm]

HS
Stay arrangement

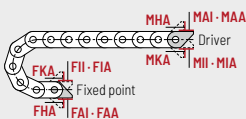
Subject to change without notice.

End connectors – steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



▲ Assembly options



Connection point
F – fixed point
M – driver

Connection type
A – threaded joint to outside (standard)
I – threaded joint to inside
H – threaded joint, rotated 90° to the outside
K – threaded joint, rotated 90° to the inside

Connection surface
I – connection surface inside (standard)
A – connection surface outside

Caution: The standard connection variant FAI/MAI is only possible from B_k of 70 mm.

Order example

	Steel	F	A	I
End connector	Connection point	Connection type	Connection surface	

Info We recommend the use of strain reliefs at the driver and fixed point. See from p. 924.

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

S/SX0950



Pitch
95 mm



Inner heights
42 - 50 mm



Chain widths
125 - 600 mm



Bending radii
125 - 600 mm

Stay variants



Aluminum stay RS 1 page **760**

Frame stay narrow "The standard"

- » Aluminum profile bars for light to medium loads.
- » **Outside:** release by turning by 90°.
- » **Inside:** Threaded joints easy to release.



Aluminum stay RS 2 page **762**

Frame stay narrow, bolted

- » Aluminum profile bars for light to medium loads. Simple threaded joint.
- » **Outside/inside:** Threaded joints easy to release.



Aluminum stay RM page **764**

Frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides "**Heavy Duty**".
- » **Inside/outside:** Threaded joints easy to release.



Tube stay RR page **766**

Frame stay, tube version

- » Steel rolling stays with gentle cable support and steel dividers. Ideal for using media hoses with soft sheathing.
- » **Inside/outside:** Screw connection detachable.



Aluminum stay LG page **768**

Frame stay, split

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- » **Inside/outside:** Threaded joint easy to release.

Additional stay variants on request

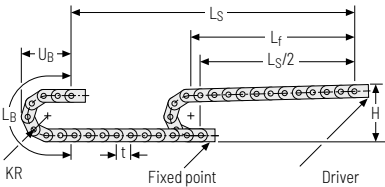
Aluminum stay RMR

Gentle cable guiding with rollers.

S/SX tubes

Also available as covered variants with cover system or steel band cover. More information can be found in chapter "S/SX tubes" from p. 824.

Unsupported arrangement



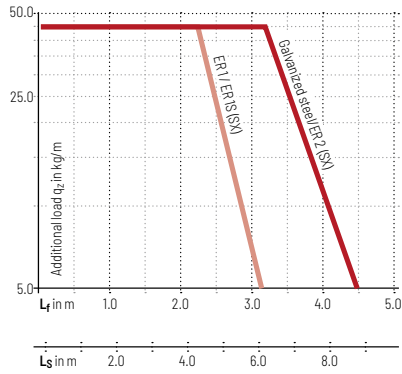
KR [mm]	H [mm]	L _B [mm]	U _B [mm]
125	352	773	350
140	382	820	365
170	442	914	395
200	502	1008	425
260	622	1197	485
290	682	1291	515
320	742	1385	545
350	802	1480	575
410	922	1668	635
600	1302	2264	825

Installation height H_z

$H_z = H + 10 \text{ mm/m}$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 7.6 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 2.5 m/s



Acceleration
up to 5 m/s²

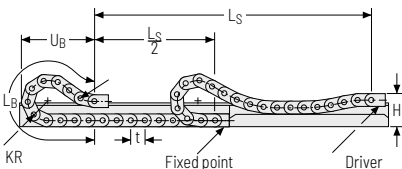


Travel length
up to 8.8 m



Additional load
up to 45 kg/m

Gliding arrangement



The gliding cable carrier must be guided in a channel.
See p. 866.

Glide shoes have to be used for gliding applications.



Speed
up to 1 m/s



Acceleration
up to 2 m/s²



Travel length
on request



Additional load
up to 45 kg/m

Subject to change without notice.

Aluminum stay RS1 – frame stay narrow

- » Extremely quick to open and close
- » Aluminum profile bars for light to medium loads.
- » Available customized in **1 mm width sections**.
- » **Outside:** release by rotating 90°.
- » **Inside:** Threaded joint easy to release



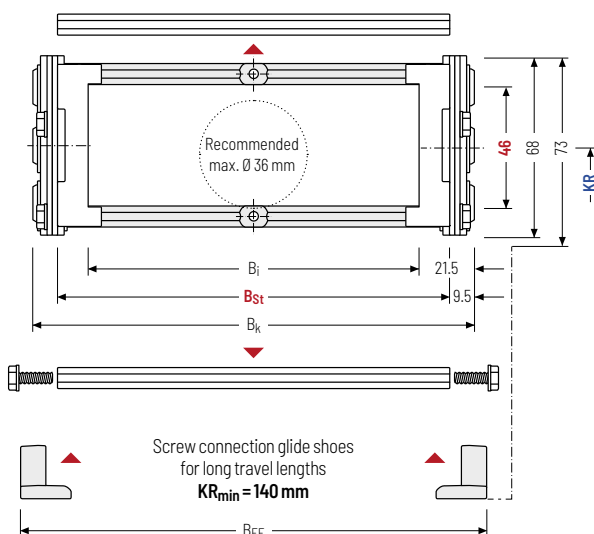
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link **(VS: fully-stayed)**



1mm B_k from 150 – 300 mm
in **1 mm width sections**



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]					q _k [kg/m]
46	68	73	107 257	131 281	B _{St} + 19	B _{St} + 28	125 290	140 320	170 350	200 410	260 600	7.55 7.95

* in 1 mm width sections

Order example



S0950

Type

150

B_{St} [mm]

RS1

Stay variant

200

KR [mm]

St

Material

2375

L_k [mm]

HS

Stay arrangement

Divider systems

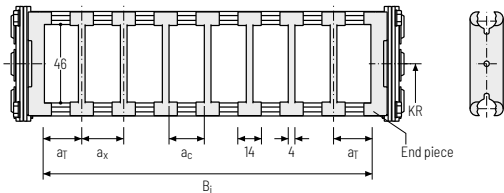
The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

For applications with lateral acceleration and rotated by 90°, the dividers can be attached by simply clipping onto a socket (available as an accessory).
This socket additionally acts as a spacer between the dividers and is available in a 1 mm grid between 3 – 50 mm, as well as 16.5 and 21.5 mm (**version B**).

Divider system TS0 without height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	12	14	10	-

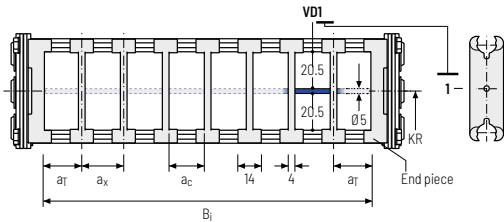
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	12	14	10	2

The dividers can be moved in the cross section.



Order example



TS1

A

3

V00

⋮

V01

Divider system

Version

nT

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [nT].
If using divider systems with height separation (**TS1**) please also state the positions [e.g. V01] viewed from the left driver belt. You are welcome to add a sketch to your order.
The end pieces are part of the divider system and don't have to be ordered separately.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/SX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Subject to change without notice.

Aluminum stay RS 2 – frame stay narrow, threaded joint

- » Quick to open and close
- » Aluminum profile bars for light to medium loads.
Simple threaded joint
- » Available customized in **1 mm width sections**.
- » **Outside/inside:** Threaded joint easy to release.



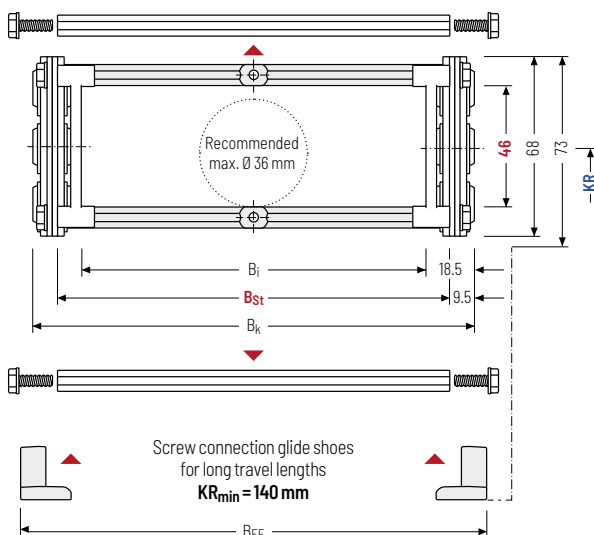
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link **(VS: fully-stayed)**



1mm B_k from 150 – 400 mm
in **1 mm width sections**



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]					q _k [kg/m]
46	68	73	113 363	131 381	B _{St} + 19	B _{St} + 28	125 290	140 320	170 350	200 410	260 600	7.55 8.21

* in 1 mm width sections

Order example



S0950

Type

150

B_{St} [mm]

RS 2

Stay variant

200

KR [mm]

St

Material

2375

L_k [mm]

HS

Stay arrangement

Divider systems

The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

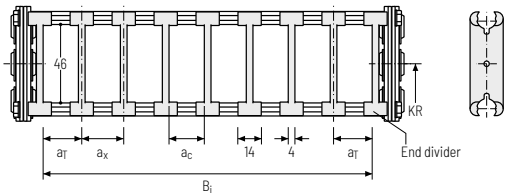
For applications with lateral acceleration and rotated by 90°, the dividers can be attached by simply clipping onto a socket (available as an accessory).

This socket additionally acts as a spacer between the dividers and is available in a 1 mm grid between 3 – 50 mm, as well as 16.5 and 21.5 mm (**version B**).

Divider system TS0 without height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	12	14	10	-

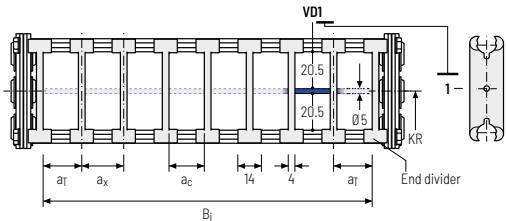
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	aT min [mm]	aX min [mm]	aC min [mm]	nT min
A	12	14	10	2

The dividers can be moved in the cross section.



Order example



TS1

A

3

V00

⋮

V01

Divider system

Version

nT

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [**nT**].

If using divider systems with height separation (**TS1**) please also state the positions [e.g. V01] viewed from the left driver belt. You are welcome to add a sketch to your order.

The end dividers are part of the divider system and don't have to be ordered separately.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/SX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay RM – frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides **"Heavy Duty"**.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joints easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



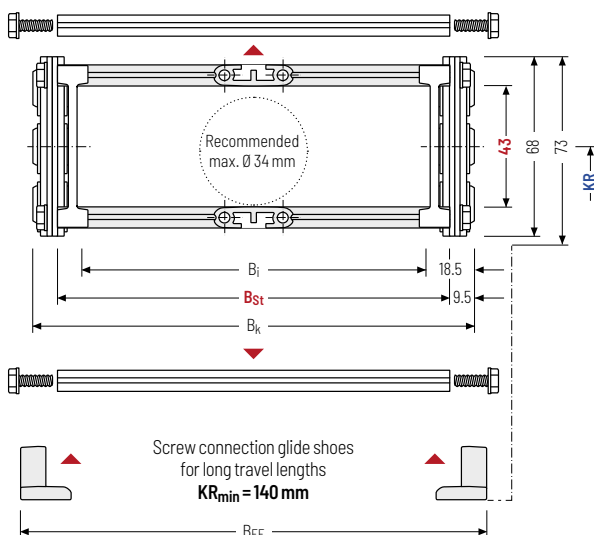
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k from 125 – 600 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]					q _k [kg/m]
43	68	73	88 563	106 581	B _{St} + 19	B _{St} + 28	125	140	170	200	260	7.78
							290	320	350	410	600	10.68

* in 1 mm width sections

Order example



S0950

Type

150

B_{St} [mm]

RM

Stay variant

200

KR [mm]

St

Material

2375

L_k [mm]

HS

Stay arrangement

Divider systems

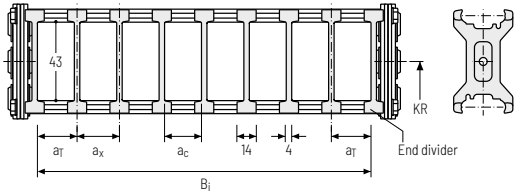
The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

Divider system TSO without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	10	14	10	-

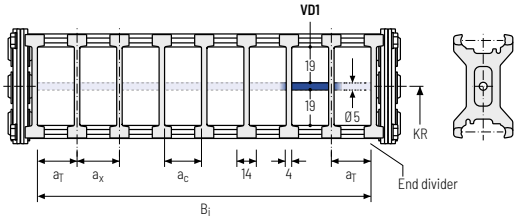
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	10	14	10	2

The dividers can be moved in the cross section.



Order example



TS1

A

3

VD0

⋮

VD1

Divider system

Version

n_T

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T].

If using divider systems with height separation (**TS1**) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

The end dividers are part of the divider system and don't have to be ordered separately.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Subject to change without notice.

Tube stay RR – frame stay, tube version

- » Steel rolling stays with gentle cable support and plastic dividers. Ideal for using media hoses with soft sheathing. Easy screw connection.
- » Available customized in **1 mm width sections**.
- » **Inside/outside:** Screw connection detachable
- » **Option:** Divider systems made from steel and stainless steel ER 1, ER 1S.



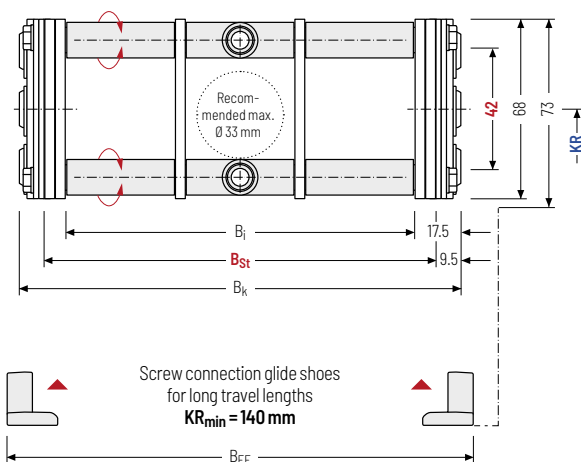
Stay arrangement on every 2nd chain link standard
(HS: half-stayed)



Stay arrangement on each chain link (VS: fully-stayed)



1mm B_k 150 – 500 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	B_i [mm]	B_{St} [mm]*	B_k [mm]	B_{EF} [mm]	KR [mm]					q_k [kg/m]
42	68	73	$\frac{115}{465}$	$\frac{131}{481}$	$B_{St} + 19$	$B_{St} + 28$	125 290	140 320	170 350	200 410	260 600	8.42 11.75

* in 1 mm width sections

Order example



S0950

Type

150

B_{St} [mm]

RR

Stay variant

200

KR [mm]

St

Material

2375

L_k [mm]

HS

Stay arrangement

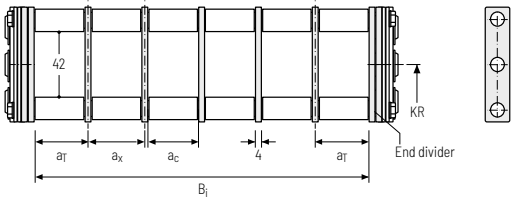
Divider systems

As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

The dividers are fixed through the tubes.
The tube additionally serves as a spacer between the dividers (**version B**).

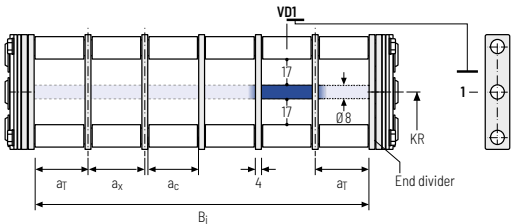
Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	20	20	16	-



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	20	20	16	2



Order example



TS1

B

3

K1

34

V00

⋮

⋮

⋮

K4

38

V00

Divider system

Version

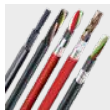
n_T

Chamber

a_x

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay LG – hole stay, split version

- » Optimum cable routing in the neutral bending line.
Split version for easy cable routing. Stays also available unsplit.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



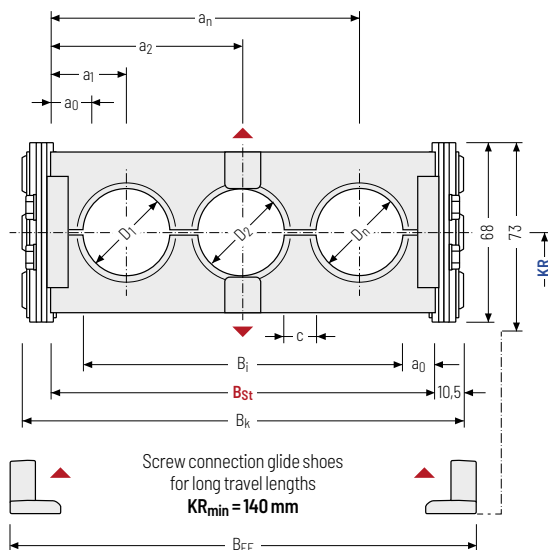
Stay arrangement on every
2nd chain link standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1 mm B_k 125 – 600 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

Calculating the stay width

Stay width B_{St}

$$B_{St} = \sum D + \sum c + 2 a_0$$

D _{max} [mm]	D _{min} [mm]	h _G [mm]	h _{G'} [mm]	B ₁ [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	C _{min} [mm]	a ₀ min [mm]	KR [mm]	q _k 50 %** [kg/m]
50	12	68	73	82 557	104 579	B _{St} + 21	B _{St} + 30	4	11	125 260 410	7.97 – 11.82
										140 290 600	

* in 1 mm width sections

** Hole ratio of the hole stay approx. 50 %

Order example



S0950
Type

150
B_{St} [mm]

LG
Stay variant

200
KR [mm]

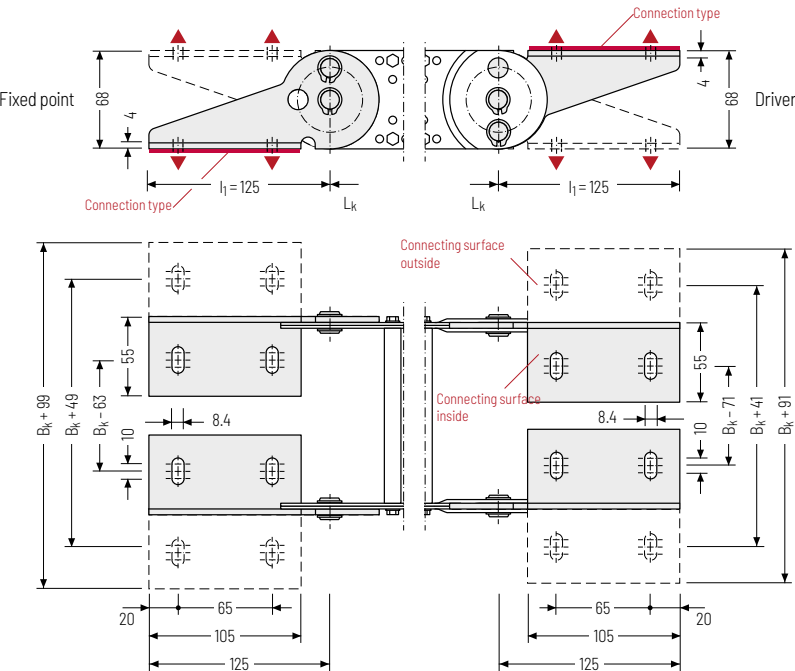
St
Material

2375
L_k [mm]

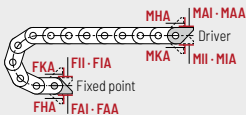
HS
Stay arrangement

End connectors - steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



▲ Assembly options



Connection point
F - fixed point
M - driver

Connection type
A - threaded joint to outside (standard)
I - threaded joint to inside
H - threaded joint, rotated 90° to the outside
K - threaded joint, rotated 90° to the inside

Connection surface
I - connection surface inside (standard)
A - connection surface outside

Caution: The standard connection variant FAI/MAI is only possible from B_K of 122 mm.

Order example

Steel	F	A	I
Steel	M	A	I
End connector	Connection point	Connection type	Connection surface

Info We recommend the use of strain reliefs at the driver and fixed point. See from p. 924.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

S/SX1250



Pitch
125 mm



Inner heights
66 - 76 mm



Chain widths
130 - 800 mm



Bending radii
145 - 1000 mm

Stay variants



Aluminum stay RS 1 page **774**

Frame stay narrow "The standard"

- » Aluminum profile bars for light to medium loads.
- » **Outside:** release by turning by 90°.
- » **Inside:** Threaded joints easy to release.



Aluminum stay RS 2 page **778**

Frame stay narrow, bolted

- » Aluminum profile bars for light to medium loads. Simple threaded joint.
- » **Outside/inside:** Threaded joints easy to release.



Aluminum stay RV page **782**

Frame stay, reinforced

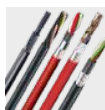
- » Aluminum profile bars for medium to heavy loads and large cable carrier widths. Double threaded joint on both sides.
- » **Inside/outside:** Threaded joints easy to release.



Aluminum stay RM page **786**

Frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides "Heavy Duty".
- » **Inside/outside:** Threaded joints easy to release.



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were specially developed, optimised and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline.



Aluminum stay RR page 788

Frame stay, tube version

- » Steel rolling stays with gentle cable support and steel dividers. Ideal for using media hoses with soft sheathing.
- » **Inside/outside:** Screw connection detachable.



Aluminum stay LG page 790

Frame stay, split

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- » **Inside/outside:** Threaded joint easy to release.



S/SX tubes

Also available as covered variants with cover system or steel band cover. More information can be found in chapter "S/SX tubes" from p. 824.

Additional stay variants on request



Aluminum stay RMA

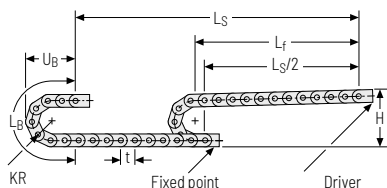
For guiding very large cable diameters



Aluminum stay RMR

Gentle cable guiding with rollers.

Unsupported arrangement



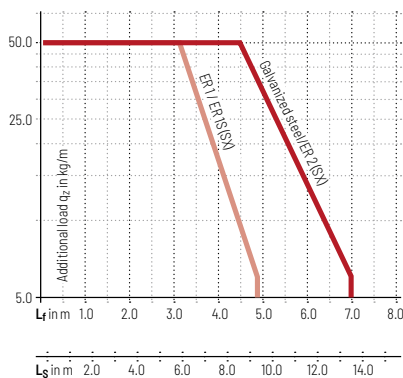
KR [mm]	H [mm]	L _B [mm]	U _B [mm]
145	431	955	442
200	541	1128	497
220	581	1191	517
260	661	1317	557
300	741	1442	597
340	821	1568	637
380	901	1694	677
420	981	1820	717
460	1061	1945	757
500	1141	2071	797
540	1221	2196	837
600	1341	2385	897
1000	2141	3640	1297

Installation height H_z

$$H_z = H + 10 \text{ mm/m}$$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 13 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 2.5 m/s



Acceleration
up to 5 m/s²

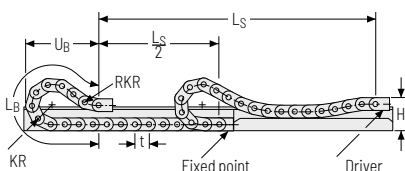


Travel length
up to 13.5 m



Additional load
up to 50 kg/m

Gliding arrangement



The gliding cable carrier must be guided in a channel.
See p. 866.

Glide shoes have to be used for gliding applications.



Speed
up to 1 m/s



Acceleration
up to 2 m/s²



Travel length
on request



Additional load
up to 50 kg/m



Subject to change without notice

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®

Aluminum stay RS 1 – frame stay narrow

- » Extremely quick to open and close
- » Aluminum profile bars for light to medium loads.
- » Available customized in **1 mm width sections**.
- » **Outside:** release by rotating 90°.
- » **Inside:** Threaded joint easy to release.



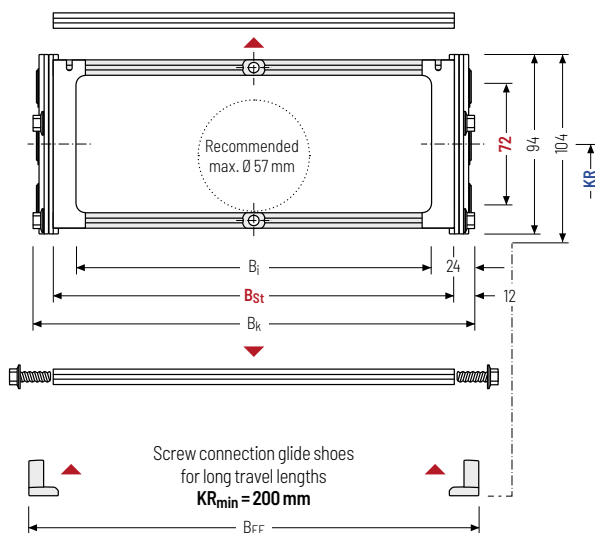
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k from 200 – 400 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	B_i [mm]	B_{St} [mm]*	B_k [mm]	B_{EF} [mm]	KR [mm]							q_k [kg/m]
72	94	104	$\frac{152}{352}$	$\frac{176}{376}$	$B_{St} + 24$	$B_{St} + 30$	145	200	220	260	300	340	380	12.88
							420	460	500	540	600	1000		13.43

* in 1 mm width sections

Order example



S1250 Type	·	400 B _{St} [mm]	·	RS1 Stay variant	·	200 KR [mm]	·	St Material	·	4750 L _k [mm]	·	HS Stay arrangement
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Divider systems

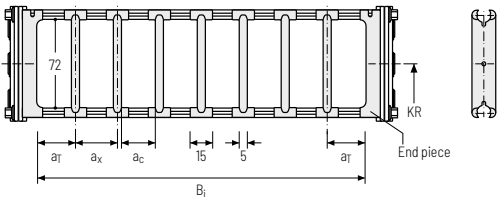
The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

For applications with lateral acceleration and rotated by 90°, the dividers can be attached by simply clipping onto a socket (available as an accessory).
The socket additionally acts as a spacer between the dividers and is available in 1 mm increments between 3 – 50 mm (**version B**).

Divider system TSO without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	12.5	15	10	-

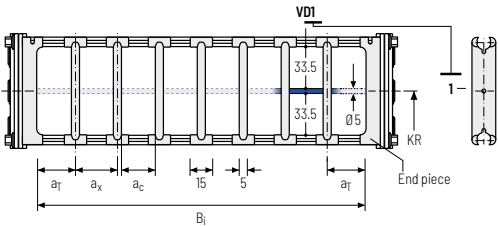
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	12.5	15	10	2

The dividers can be moved in the cross section.



Order example



TS1

A

3

VD0

⋮

VD1

Divider system

Version

n_T

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T].
If using divider systems with height separation (**TS1**) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.
The end pieces are part of the divider system and don't have to be ordered separately.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/SX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

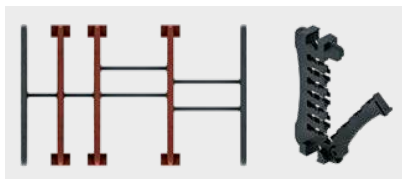
Accessories

TRAXLINE®

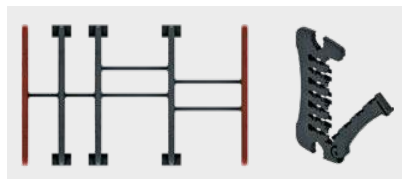
Divider system TS3 with height separation consisting of plastic partitions

As a standard, the divider version A is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section.

Divider version A



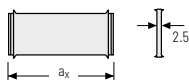
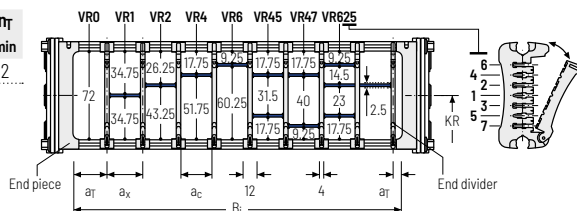
End divider



Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	n_T min
A	7*/11	14	10	2

* For End divider

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



a_x (center distance of dividers) [mm]																	
a_c (nominal width of inner chamber) [mm]																	
14	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54	
10	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50	
58	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112		
54	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108		

When using partitions with $a_x > 49$ mm we recommended an additional preferential central support.

Order example



TS3	.	A	.	3	.	K1	.	34	-	VR1	
						:		:		:	
						.	K4	.	38	-	VR3
Divider system		Version		n_T		Chamber		a_v		Height separation	

Please state the designation of the divider system (TS0, TS1,...), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).

If using divider systems with height separation (TS1, TS3) please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.

Subject to change without notice.



Subject to change without notice.

777

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®

Aluminum stay RS 2 – frame stay narrow, threaded joint

- » Quick to open and close
- » Aluminum profile bars for light to medium loads.
Simple threaded joint
- » Available customized in **1 mm width sections**.
- » **Outside/inside:** Threaded joint easy to release.



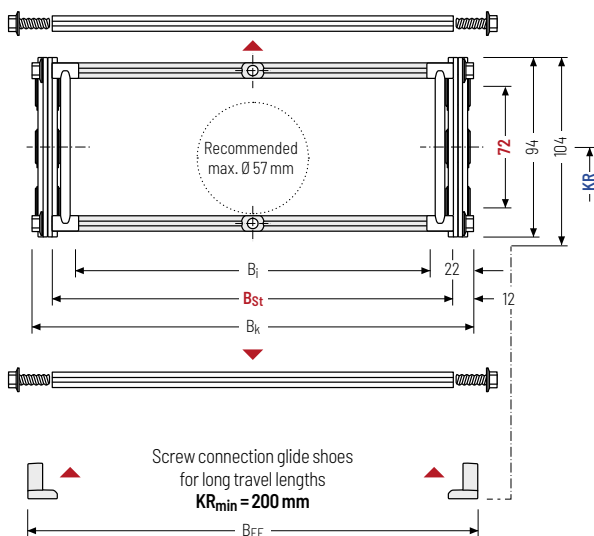
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link **(VS: fully-stayed)**



1mm B_k from 200 – 500 mm
in **1 mm width sections**



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	B_i [mm]	B_{St} [mm]*	B_k [mm]	B_{EF} [mm]	KR [mm]							q_k [kg/m]
72	94	104	$\frac{156}{456}$	$\frac{176}{476}$	$B_{St} + 24$	$B_{St} + 30$	145	200	220	260	300	340	380	12.88
							420	460	500	540	600	1000		13.71

* in 1 mm width sections

Order example



S1250 Type	·	400 B _{St} [mm]	·	RS 2 Stay variant	·	200 KR [mm]	·	St Material	·	4750 L _k [mm]	·	HS Stay arrangement
----------------------	---	------------------------------------	---	-----------------------------	---	-----------------------	---	-----------------------	---	------------------------------------	---	-------------------------------

Divider systems

The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

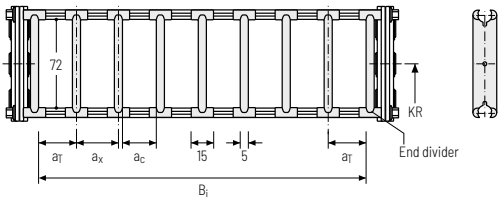
For applications with lateral acceleration and rotated by 90°, the dividers can be attached by simply clipping onto a socket (available as an accessory).

The socket additionally acts as a spacer between the dividers and is available in 1 mm increments between 3 – 50 mm (**version B**).

Divider system TSO without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	12.5	15	10	-

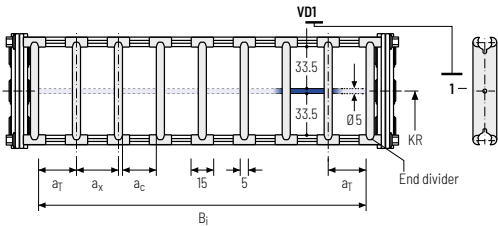
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	12.5	15	10	2

The dividers can be moved in the cross section.



Order example



TS1

A

3

V00

⋮

V01

Divider system

Version

n_T

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T].

If using divider systems with height separation (**TS1**) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

The end dividers are part of the divider system and don't have to be ordered separately.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

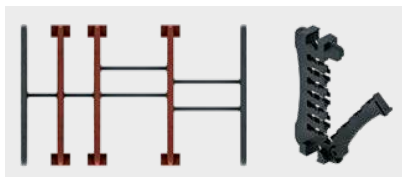
Accessories

TRAXLINE®

Divider system TS3 with height separation consisting of plastic partitions

As a standard, the divider version A is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section.

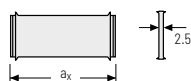
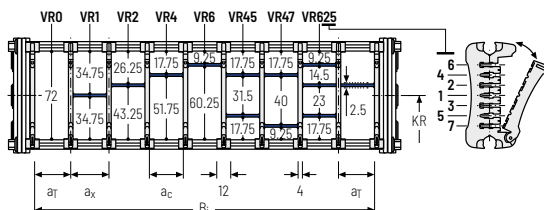
Divider version A



Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	n_T min
A	10*/12	14	10	2

* For VR0

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



a_x (center distance of dividers) [mm]																
a_c (nominal width of inner chamber) [mm]																
14	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54
10	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50
58	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112	
54	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108	

When using partitions with $a_x > 49$ mm we recommend an additional preferential central support.

Order example

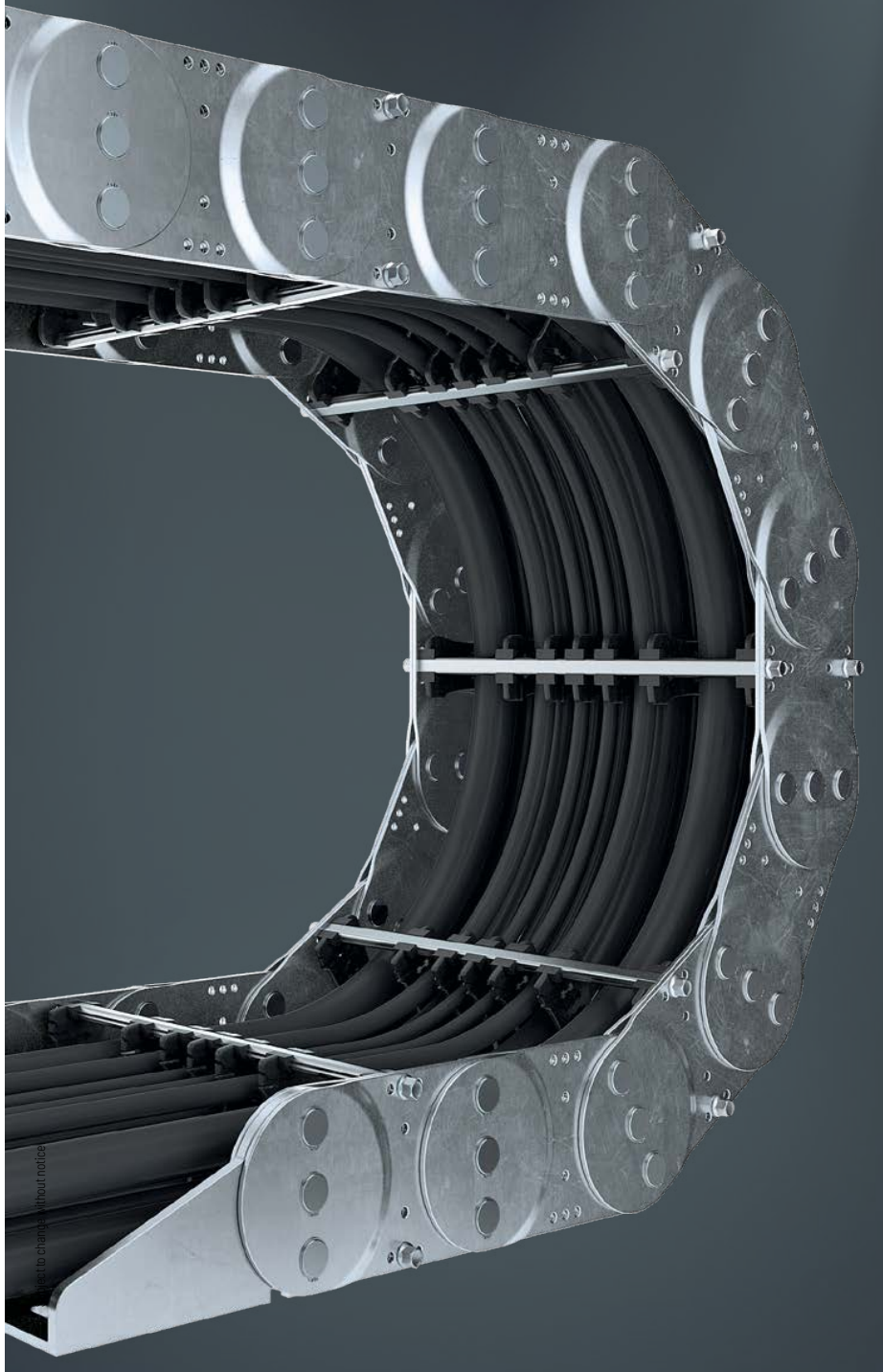


TS3	.	A	.	3	.	K1	.	34	-	VR1	
						:		:		:	
						.	K4	.	38	-	VR3
Divider system		Version		n_T		Chamber		a_v		Height separation	

Please state the designation of the divider system (TS0, TS1,...), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).

If using divider systems with height separation (TS1, TS3) please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.

Subject to change without notice.



781

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

TRAXLINE®

Aluminum stay RV – reinforced frame stay

- » Aluminum profile bars for medium to heavy loads and large cable carrier widths. Double threaded joint on both sides.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joints easy to release.



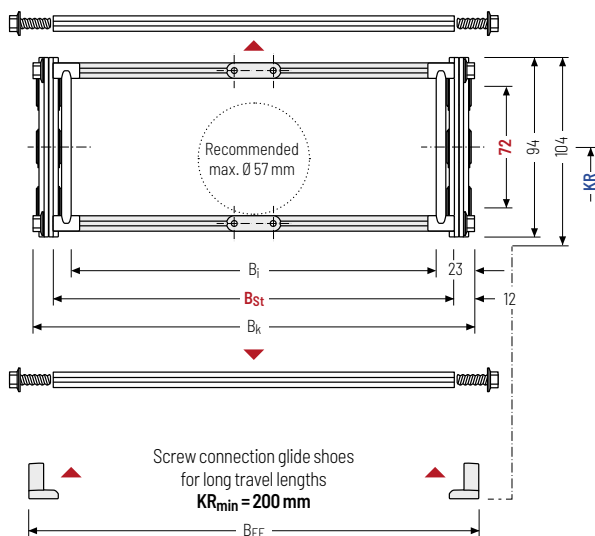
Stay arrangement on every 2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each chain link (VS: fully-stayed)



1 mm B_k from 200 – 600 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	B_i [mm]	B_{St} [mm]*	B_k [mm]	B_{EF} [mm]	KR [mm]							q_k [kg/m]
72	94	104	$\frac{154}{554}$	$\frac{176}{576}$	$B_{St} + 24$	$B_{St} + 30$	145	200	220	260	300	340	380	13.83
							420	460	500	540	600	1000		17.11

* in 1 mm width sections

Order example



S1250 Type	·	400 B _{St} [mm]	·	RV Stay variant	·	200 KR [mm]	·	St Material	·	4750 L _k [mm]	·	HS Stay arrangement
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Divider systems

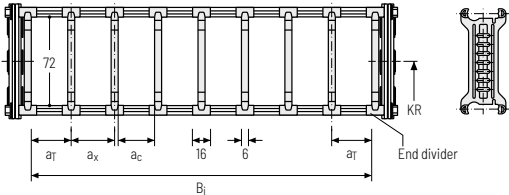
The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	13	16	10	–

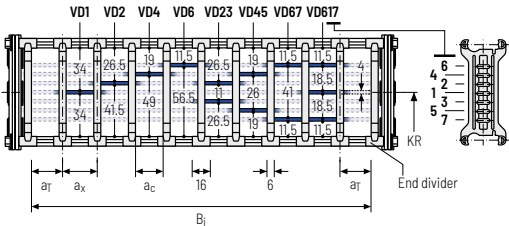
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	13	16	10	2

The dividers can be moved in the cross section.

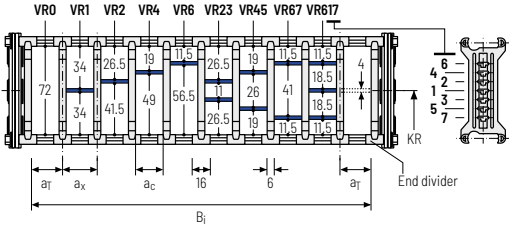


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	13	21	15	2

With grid distribution (1 mm grid).
The dividers are attached by the height separation, the grid can be moved in the cross section.

Sliding dividers are optionally available (thickness of divider = 6 mm).



More product information online



Assembly instructions etc.:
Additional info via your
smartphone or check online at
[tsubaki-kabelschlepp.com/
downloads](https://tsubaki-kabelschlepp.com/downloads)



Configure your custom
cable carrier here:
online-engineer.de

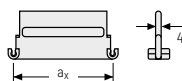
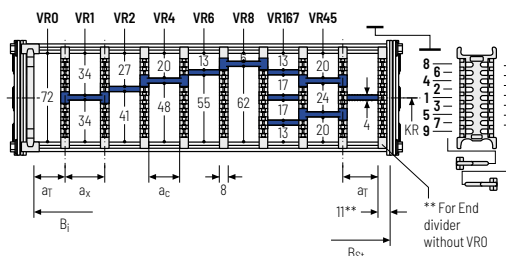
MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Divider system TS3 with height separation consisting of plastic partitions

Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	n_T min
A	4	16 / 42*	8	2

* For aluminum partitions

The dividers are fixed with the partitions.
The entire divider system can be moved in the cross section.



Aluminum partitions in 1 mm width increments with $a_x > 42$ mm are also available.

a_x (center distance of dividers) [mm]												
a_c (nominal width of inner chamber) [mm]												
16	18	23	28	32	33	38	43	48	58	64	68	
8	10	15	20	24	25	30	35	40	50	56	60	
78	80	88	96	112	128	144	160	176	192	208		
70	72	80	88	104	120	136	152	168	184	200		

When using **plastic partitions with $a_x > 112$ mm**, we recommend an additional center support with a **twin divider** ($S_T = 4$ mm). Twin dividers are also suitable for retrofitting in the partition system.

Order example



TS3	A	3	K1	34	VR1
			:	:	:
			K4	38	VR3
Divider system	Version	n_T	Chamber	a_x	Height separation

Please state the designation of the divider system (**TS0, TS1,...**), the version, and the number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x].

When using divider systems with height separation (**TS1 – TS3**), please additionally state the positions (e.g. VD23) viewed from the left driver belt. You are welcome to add a sketch to your order.

The end dividers are part of the divider system and don't have to be ordered separately.

More product information online

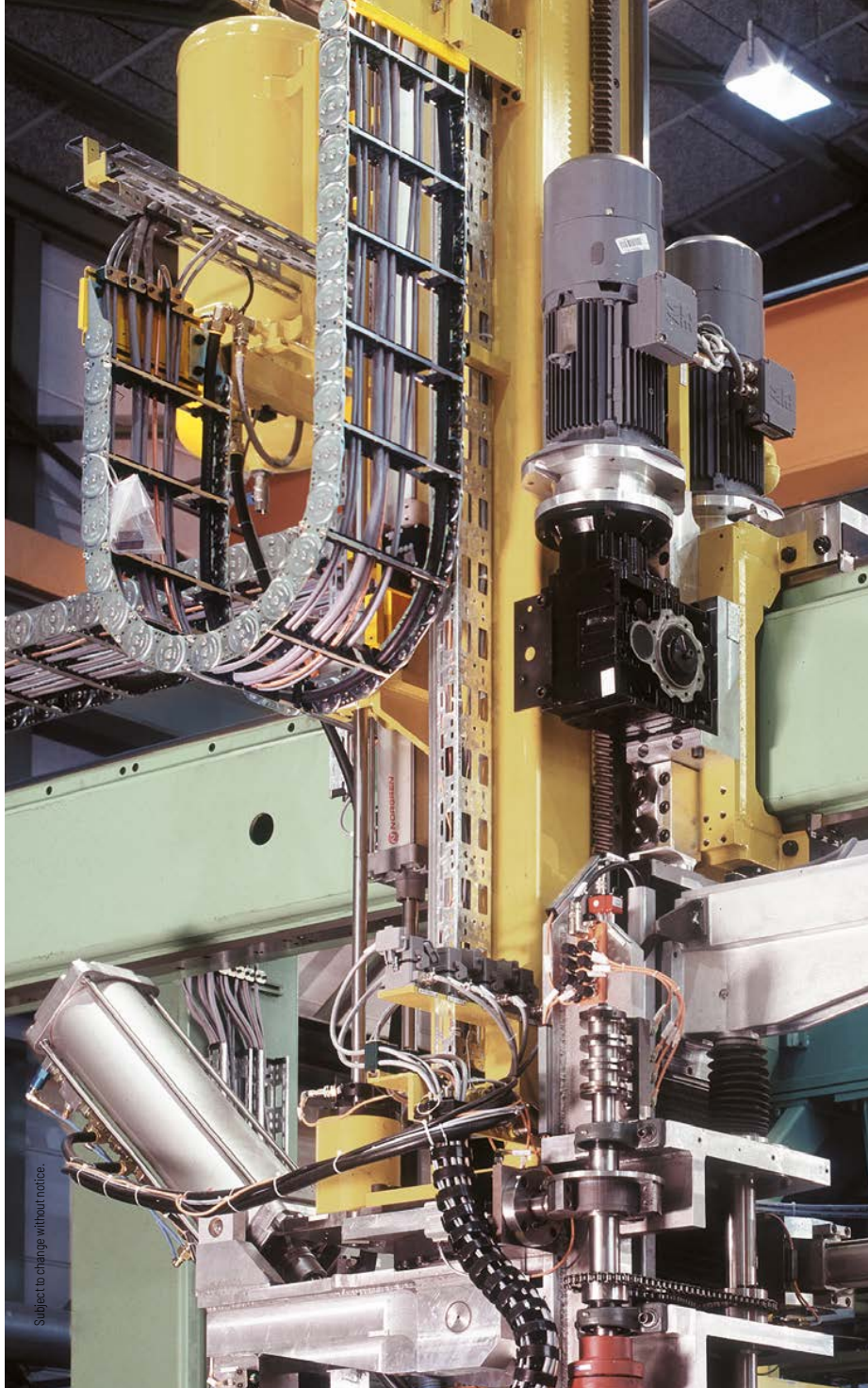


Assembly instructions etc.:
Additional info via your
smartphone or check online at
tsubaki-kabelschlepp.com/downloads



Configure your custom
cable carrier here:
online-engineer.de

Subject to change without notice.



Subject to change without notice.

785

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®

Aluminum stay RM – frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides “Heavy Duty”.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joints easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP

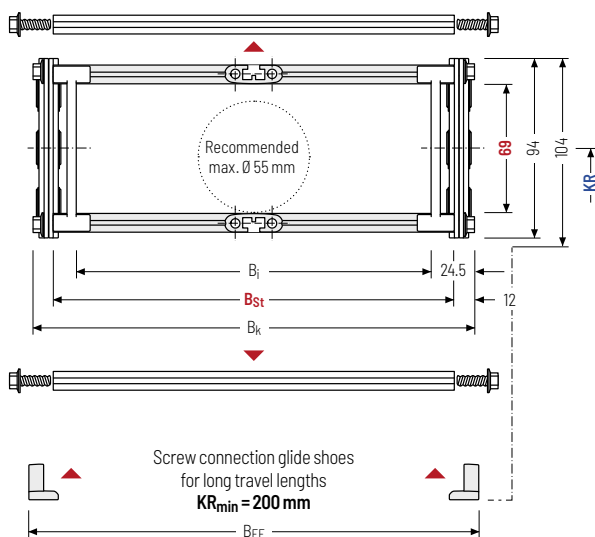

Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k from 200 – 800 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]						q _k [kg/m]
69	94	104	151 751	176 776	B _{St} + 24	B _{St} + 30	145 420	200 460	220 500	260 540	300 600	340 1000	380 17.01

* in 1 mm width sections

Order example



S1250	400	RM	200	St	4750	HS
Type	B _{St} [mm]	Stay variant	KR [mm]	Material	L _k [mm]	Stay arrangement

Divider systems

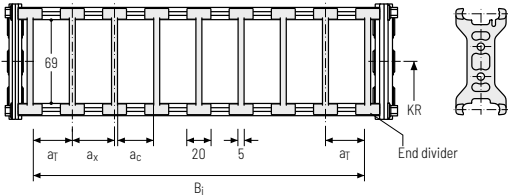
The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (**version A**).

Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	17.5	20	15	-

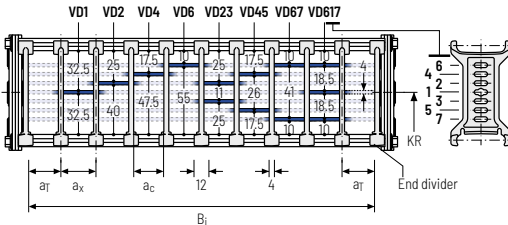
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	10	12	8	2

The dividers can be moved in the cross section.

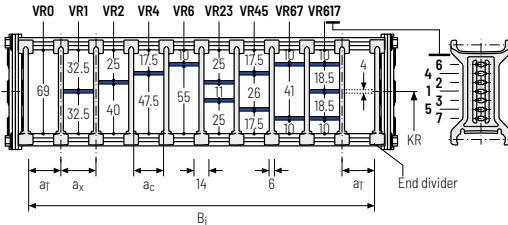


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	17	21	15	2

With grid distribution (1 mm grid).
The dividers are attached by the height separation, the grid can be moved in the cross section.

Sliding dividers are optionally available (thickness of divider = 4 mm).



Order example



TS2

A

3

K1

34

VR1

⋮

K4

38

VR3

Divider system

Version

n_T

Chamber

a_x

Height separation

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Tube stay RR – frame stay, tube version

- » Steel rolling stays with gentle cable support and plastic dividers. Ideal for using media hoses with soft sheathing. Easy screw connection.
- » Available customized in **1 mm width sections**.
- » **Inside/outside:** Screw connection detachable
- » **Option:** Divider systems made from steel and stainless steel ER 1, ER 1S.



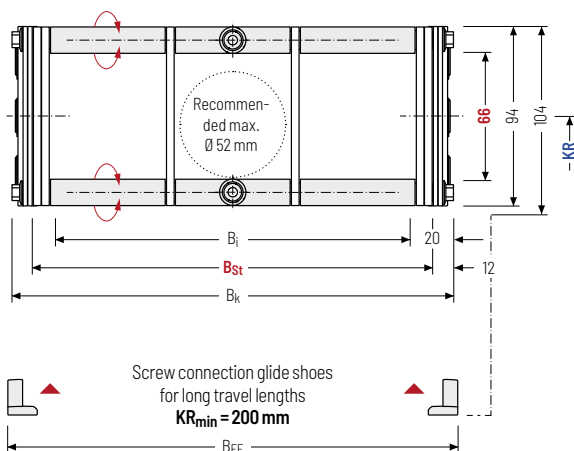
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k from 200 – 600 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h_i [mm]	h_g [mm]	h_g' [mm]	B_i [mm]	B_{St} [mm]*	B_k [mm]	B_{EF} [mm]	KR [mm]							q_k [kg/m]
66	94	104	160 560	176 576	$B_{St} + 24$	$B_{St} + 30$	145	200	220	260	300	340	380	13.82 17.30

* in 1 mm width sections

Order example



S1250 Type	·	400 B_{St} [mm]	·	RR Stay variant	·	200 KR [mm]	·	St Material	·	4750 L_k [mm]	·	HS Stay arrangement
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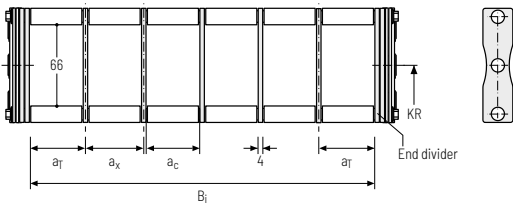
Divider systems

As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

The dividers are fixed through the tubes.
The tube additionally serves as a spacer between the dividers (**version B**).

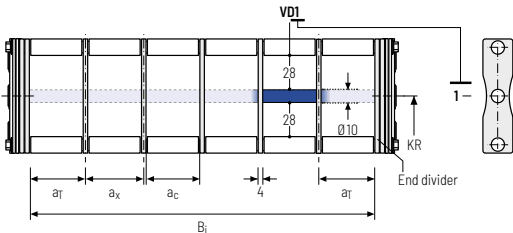
Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	30	30	26	-



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	30	30	26	2



Order example



TS1

B

3

K1

34

V00

⋮

K4

38

V00

Divider system

Version

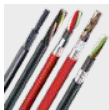
n_T

Chamber

a_x

Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).



TRAXLINE® cables for cable carriers

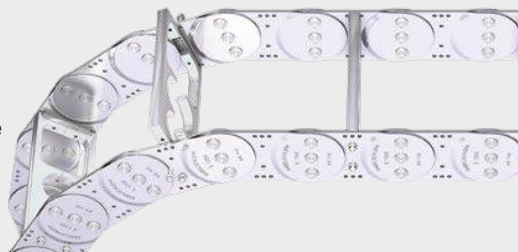
Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay LG – hole stay, split version

- » Optimum cable routing in the neutral bending line.
Split version for easy cable routing. Stays also available unsplit.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



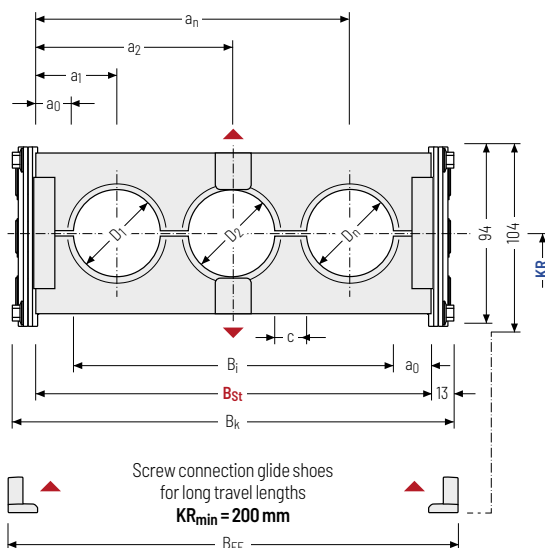
Stay arrangement on every
2nd chain link standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1 mm B_k 130 – 800 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

Calculating the stay width

Stay width B_{St}

$$B_{St} = \sum D + \sum c + 2 a_0$$

D _{max} [mm]	D _{min} [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	C _{min} [mm]	a _{0 min} [mm]	KR [mm]				q _{k 50 %} ** [kg/m]
76	12	94	104	82	104	B _{St}	B _{St}	4	11	145	200	260	300	13.10
				752	774	26	32			340	380	420	460	–
										540	600	1000		18.22

* in 1 mm width sections

** Hole ratio of the hole stay approx. 50 %

Order example



S1250
Type

400
B_{St} [mm]

LG
Stay variant

200
KR [mm]

St
Material

4750
L_k [mm]

HS
Stay arrangement

Subject to change without notice.



Subject to change without notice.

791

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

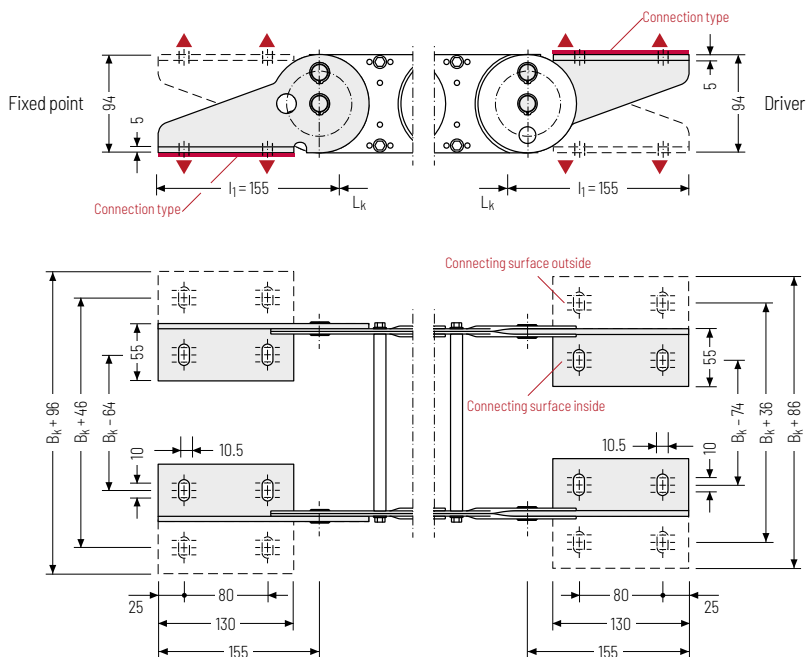
S/SX-Tubes
series

Accessories

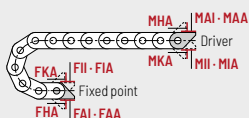
TRAXLINE®

End connectors – steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



▲ Assembly options



Connection point

F – fixed point
M – driver

Connection type

A – threaded joint to outside (standard)
I – threaded joint to inside
H – threaded joint, rotated 90° to the outside
K – threaded joint, rotated 90° to the inside

Connection surface

I – connection surface inside (standard)
A – connection surface outside

 **Caution:** The standard connection variant FAI/MAI is only possible from B_k of 125 mm.

Order example



Steel	F	A	I
Steel	M	A	I
End connector	Connection point	Connection type	Connection surface



We recommend the use of strain reliefs at the driver and fixed point. See from p. 924.

Subject to change without notice.

Special designs

S/SX1252 – with closed stroke system and straight link plates



- » Closed stroke system protected between link plates mounted on both sides.
- » Symmetrical side band design.
- » Long service life even under the toughest conditions, e.g. large amounts of foundry sand, emery or scale thanks to optimized cable carrier geometry.

S/SX1252 B – with internal stroke system and straight link plates



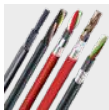
- » Open stroke system.
- » Link plates of the side bands are mounted offset.
- » Long service life even under the toughest conditions, e.g. large amounts of foundry sand, emery or scale thanks to optimized cable carrier geometry.
- » The optimized, “self-cleaning” geometry prevents blocking of the stops through dirt.
- » Version with bolted side bands.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®



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Subject to change without notice.

S/SX1800



Pitch
180 mm



Inner height
104 - 110 mm



Chain widths
180 - 1000 mm



Bending radii
265 - 1300 mm

Stay variants



Aluminum stay RM page 796

Frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides "Heavy Duty".
- » **Inside/outside:** Threaded joints easy to release.



Aluminum stay RR page 798

Frame stay, tube version

- » Steel rolling stays with gentle cable support and steel dividers. Ideal for using media hoses with soft sheathing.
- » **Inside/outside:** Screw connection detachable.



Aluminum stay LG page 800

Frame stay, split

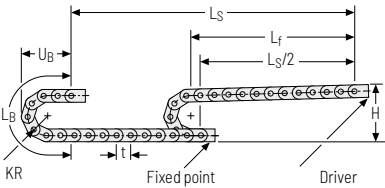
- » Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- » **Inside/outside:** Threaded joint easy to release.



S/SX tubes

Also available as covered variants with cover system or steel band cover. More information can be found in chapter "S/SX tubes" from p. 824.

Unsupported arrangement



KR [mm]	H [mm]	L _B [mm]	U _B [mm]
265	740	1552	695
320	850	1725	750
375	960	1898	805
435	1080	2087	865
490	1190	2259	920
605	1420	2620	1035
720	1650	2982	1150
890	1990	3516	1320
1175	2560	4411	1605
1300	2810	4804	1730

Installation height H_Z

$H_Z = H + 10 \text{ mm/m}$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 26 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 2 m/s



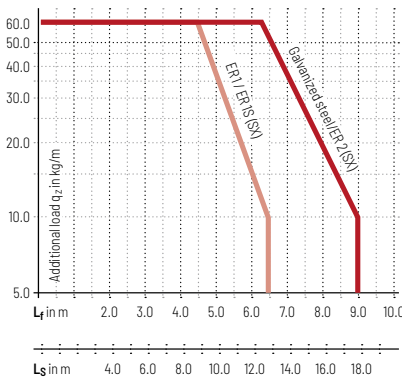
Acceleration
up to 3 m/s²



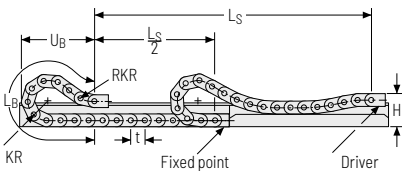
Travel length
up to 17.8 m



Additional load
up to 60 kg/m



Gliding arrangement



The gliding cable carrier must be guided in a channel. See p. 866.

Glide shoes have to be used for gliding applications.



Speed
up to 0.8 m/s



Acceleration
up to 2 m/s²



Travel length
on request



Additional load
up to 60 kg/m

Subject to change without notice.

Aluminum stay RM – frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides “Heavy Duty”.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joints easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



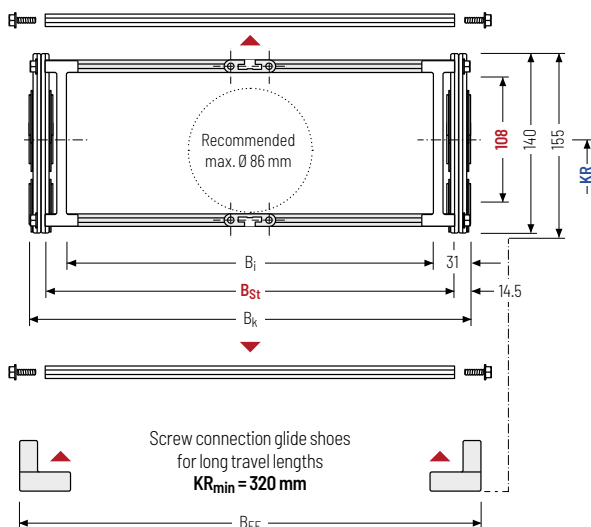
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1 mm B_k from 250 – 1000 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

h _i [mm]	h _g [mm]	h _{g'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	KR [mm]			q _k [kg/m]
108	140	155	188 938	221 971	B _{St} + 29	B _{St} + 40	265 605	320 720	375 890	24.08 28.46
							435 1175	490 1300		

* in 1 mm width sections

Order example



SX1800

Type

417

B_{St} [mm]

RM

Stay variant

375

KR [mm]

St

Material

5940

L_k [mm]

HS

Stay arrangement

As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section **(version A)**.

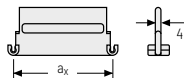
The dividers can be moved in the cross section.

Technical drawing of a 12-hole punch tape. The tape is divided into 12 holes, each with a width of 51.5 mm. The distance between the centers of adjacent holes is 39.5 mm. The total length of the tape is 1000 mm. The tape is labeled with 'VD1', 'VD2', 'VD3', 'VD4', 'VD5', and 'VD23'. The tape is shown with a 'KR' (Kontrollring) at the end, which is a circular ring with a diameter of 25 mm. The tape is also shown with a 'End divider' at the end, which is a rectangular plate with a width of 7.5 mm. The tape is shown with a 'KR' (Kontrollring) at the end, which is a circular ring with a diameter of 25 mm. The tape is also shown with a 'End divider' at the end, which is a rectangular plate with a width of 7.5 mm.

The dividers can be moved in the cross section.

* For aluminum partitions

The dividers are fixed with the partitions. The entire divider system can be moved in the cross section.



Aluminum partitions in 1 mm width increments with $a_x > 42$ mm are also available.

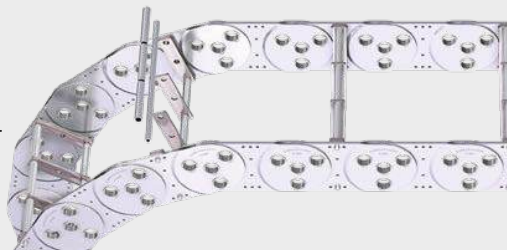
When using **plastic partitions with $a_x > 112$ mm**, we recommend an additional center support with a **twin divider** ($S_T = 5$ mm). Twin dividers are also suitable for retrofitting in the partition system.

When using **plastic partitions with $a_x > 112$ mm**, we recommend an additional center support with a **twin divider** ($S_T = 5$ mm). Twin dividers are also suitable for retrofitting in the partition system.

Subject to change without notice.

Tube stay RR – frame stay, tube version

- » Steel rolling stays with gentle cable support and steel dividers. Ideal for using media hoses with soft sheathing. Easy screw connection.
- » Available customized in **1 mm width sections**.
- » **Inside/outside:** Screw connection detachable
- » **Option:** Divider systems made from stainless steel ER 1, ER 1S.



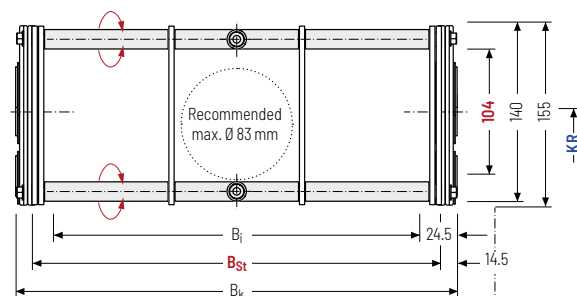
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k from 250 – 800 mm
in 1 mm width sections



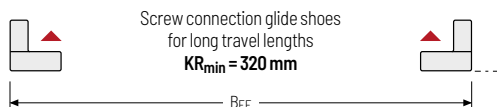
The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t



h _i [mm]	h _g [mm]	h _{g'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	K _R [mm]					q _k [kg/m]
104	140	155	201 751	221 771	B _{St} + 29	B _{St} + 40	265 605	320 720	375 890	435 1175	490 1300	26.57 36.05

* in 1 mm width sections

Order example



S1800	417	RR	375	St	5940	HS
Type	B _{St} [mm]	Stay variant	K _R [mm]	Material	L _k [mm]	Stay arrangement

Subject to change without notice.

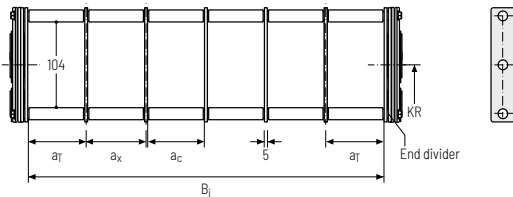
Divider systems

As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

The dividers are fixed through the tubes.
The tube additionally serves as a spacer between the dividers (**version B**).

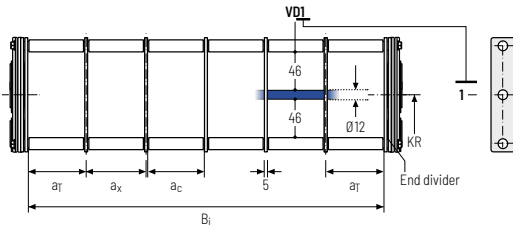
Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	45	45	40	-



Divider system TS1 with continuous height separation

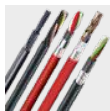
Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	45	45	40	2



Order example

TS1	B	3	K1	34	V00
⋮					
⋮					
⋮					
Divider system	Version	n _T	Chamber	a _x	Height separation

Please state the designation of the divider system (**TS0, TS1...**), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).



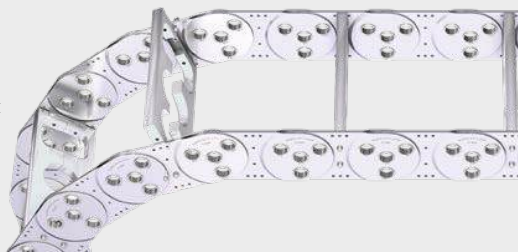
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MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay LG – hole stay, split version

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP


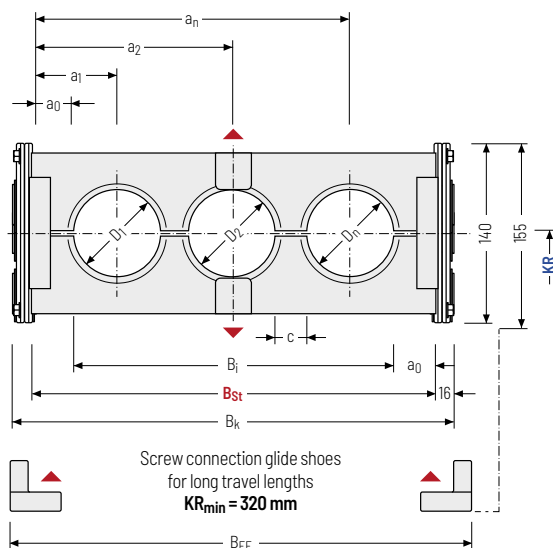
Stay arrangement on every
2nd chain link standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1 mm B_k 180 – 1000 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t

Calculating the stay width

Stay width B_{St}

$$B_{St} = \sum D + \sum c + 2 a_0$$

D _{max} [mm]	D _{min} [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	B _{EF} [mm]	C _{min} [mm]	a _{0 min} [mm]	KR [mm]	q _k 50 %** [kg/m]
110	12	140	155	121	148	B _{St}	B _{St}	4	13.5	265 320 375 435	24.38
				941	968	32	43			490 605 720 890	-
										1175 1300	35.08

* in 1 mm width sections

** Hole ratio of the hole stay approx. 50 %

Order example


S1800

Type

417

B_{St} [mm]

LG

Stay variant

375

KR [mm]

St

Material

5940

L_k [mm]

HS

Stay arrangement



Subject to change without notice.

801

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

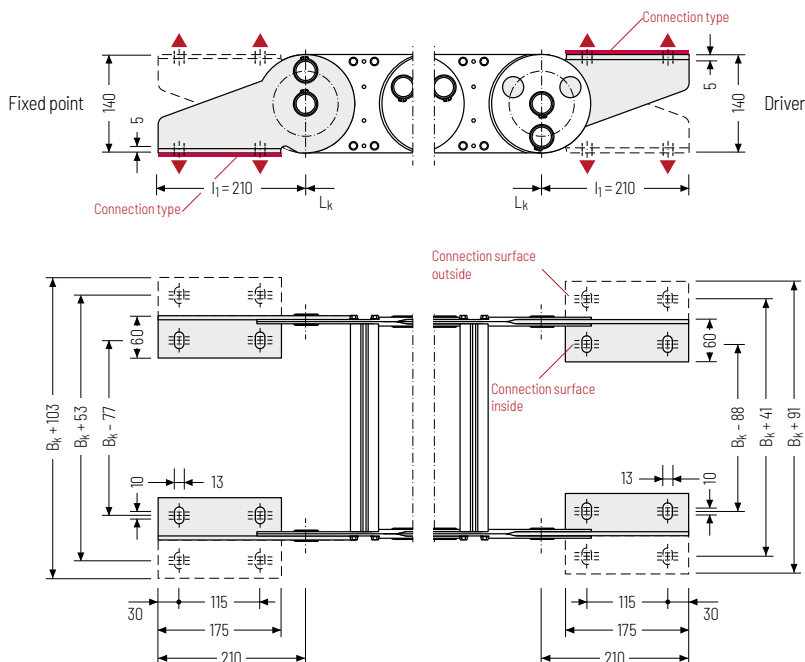
S/SX-Tubes
series

Accessories

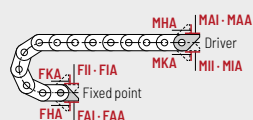
TRAXLINE®

End connectors – steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



▲ Assembly options



Connection point

F – fixed point
M – driver

Connection type

A – threaded joint to outside (standard)
I – threaded joint to inside
H – threaded joint, rotated 90° to the outside
K – threaded joint, rotated 90° to the inside

Connection surface

I – connection surface inside (standard)
A – connection surface outside

Caution: The standard connection variant FAI/MAI is only possible from B_k of 139 mm.

Order example



Steel	F	A	I
Steel	M	A	I
End connector	Connection point	Connection type	Connection surface



We recommend the use of strain reliefs at the driver and fixed point. See from p. 924.

Subject to change without notice.

Special designs

S/SX1802 – with closed stroke system and straight link plates



- » Closed stroke system protected between link plates mounted on both sides.
- » Symmetrical side band design.
- » Long service life even under the toughest conditions, e.g. large amounts of foundry sand, emery or scale thanks to optimized cable carrier geometry.

S/SX1802 B – with internal stroke system and straight link plates



- » Open stroke system.
- » Link plates of the side bands are mounted offset.
- » Long service life even under the toughest conditions, e.g. large amounts of foundry sand, emery or scale thanks to optimized cable carrier geometry.
- » The optimized, “self-cleaning” geometry prevents blocking of the stops through dirt.
- » Version with bolted side bands.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®



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Subject to change without notice.

S/SX2500



Stay variants



Aluminum stay RM page 806

Frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides **"Heavy Duty"**.
- » **Inside/outside:** Threaded joint easy to release.



Aluminum stay LG page 808

Frame stay, split

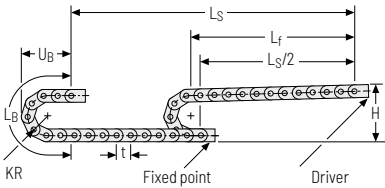
- » Optimum cable routing in the neutral bending line. Split version for easy cable routing.
- » **Inside/outside:** Threaded joint easy to release.



Steel band cover

Also available as covered variants with steel band cover. More information can be found in chapter "steel band cover" from p. 936.

Unsupported arrangement



KR [mm]	H [mm]	LB [mm]	UB [mm]
365	1060	2147	975
445	1220	2398	1055
600	1530	2885	1210
760	1850	3388	1370
920	2170	3890	1530
1075	2480	4377	1685
1235	2800	4880	1845
1395	3120	5383	2005

Installation height H_z

$H_z = H + 10 \text{ mm/m}$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 41 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 1 m/s



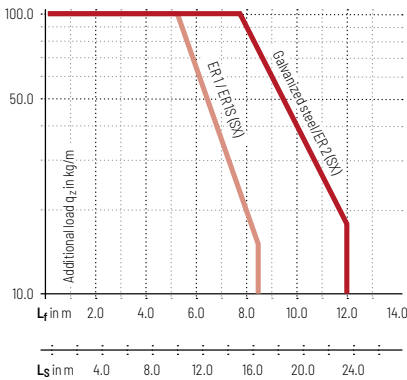
Acceleration
up to 3 m/s²



Travel length
up to 23.7 m



Additional load
up to 100 kg/m



MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/SX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay RM – frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joint on both sides “Heavy Duty”.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

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TSUBAKI KABELSCHLEPP



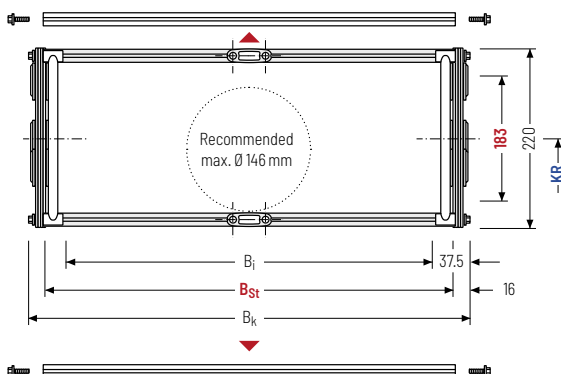
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k 250 – 1200 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t for odd
number of chain links

h _i [mm]	h _G [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	KR [mm]				q _k [kg/m]
183	220	175 1125	218 1168	B _{St} + 32	365 920	445 1075	600 1235	760 1395	38.68 44.58

* in 1 mm width sections

Order example



S2500

Type

806

B_{St} [mm]

RM

Stay variant

760

KR [mm]

St

Material

9250

L_k [mm]

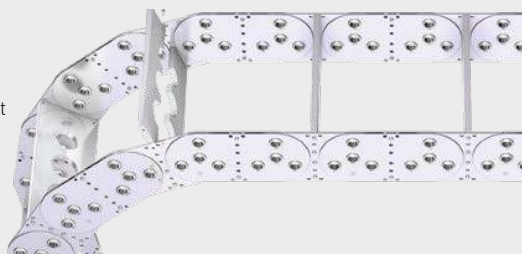
HS

Stay arrangement

Aluminum stay LG – hole stay, split version

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



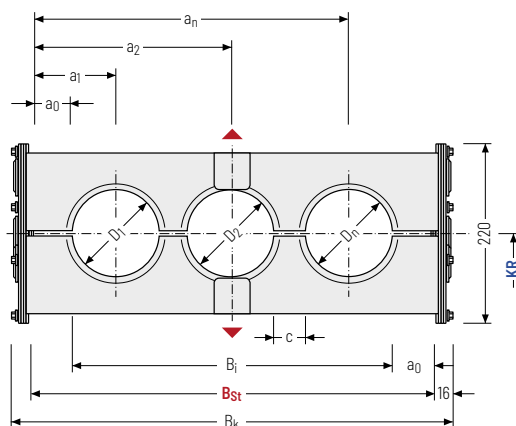
Stay arrangement on every
2nd chain link standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k 250 – 1200 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t for odd
number of chain links

Calculating the stay width

Stay width B_{St}

$$B_{St} = \sum D + \sum c + 2 a_0$$

D _{max} [mm]	D _{min} [mm]	h _g [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	c _{min} [mm]	a _{0 min} [mm]	KR [mm]	q _k 50 %** [kg/m]
180	12	220	174	218	B _{St} + 32	4	22	365 445 600 760	36.66
			1124	1168				920 1075 1235 1395	48.36

* in 1 mm width sections

** Hole ratio of the hole stay approx. 50 %

Order example



SX2500

Type

806

B_{St} [mm]

LG

Stay variant

760

KR [mm]

St

Material

9250

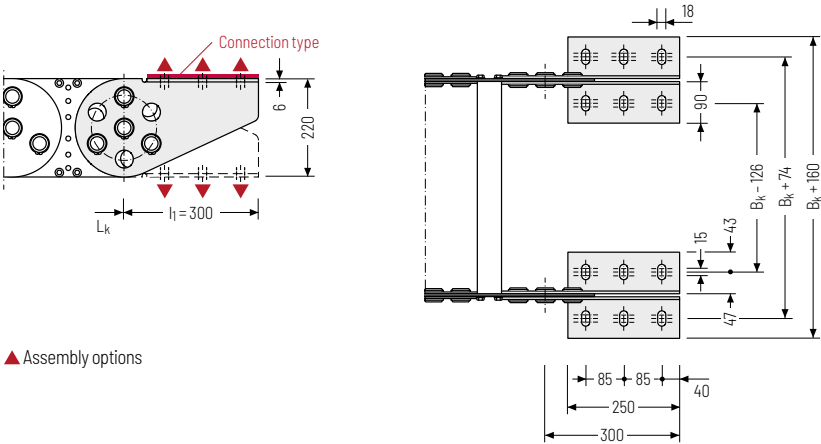
L_k [mm]

HS

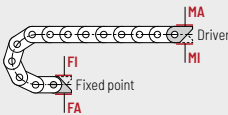
Stay arrangement

End connectors – steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options



Connection point

- F – fixed point
- M – driver

Connection type

- A – threaded joint outside (standard)
- I – threaded joint inside

Order example

	Steel	F	A
	Steel	M	A
	End connector	Connection point	Connection type



We recommend the use of strain reliefs at the driver and fixed point. See from p. 924.

More product information online



Assembly instructions etc.: Additional info via your smartphone or check online at tsubaki-kabelschlepp.com/downloads



Configure your custom cable carrier here: online-engineer.de

Subject to change without notice.

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

S/SX3200



Stay variants



Aluminum stay LG page 812

Frame stay, split

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing.
- » **Inside/outside:** Threaded joint easy to release.

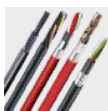


Stay variant RR available as a customized design.
Please contact us.



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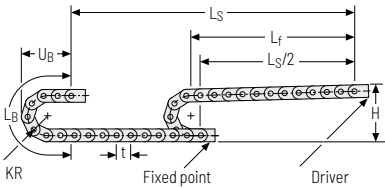


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Subject to change without notice.

Unsupported arrangement



KR [mm]	H [mm]	LB [mm]	UB [mm]
470	1390	2757	1260
670	1790	3385	1460
870	2190	4013	1660
1075	2600	4657	1865
1275	3000	5286	2065
1480	3410	5930	2270
1785	4020	6888	2575

Installation height H_z

$H_z = H + 10 \text{ mm/m}$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 41 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 1 m/s



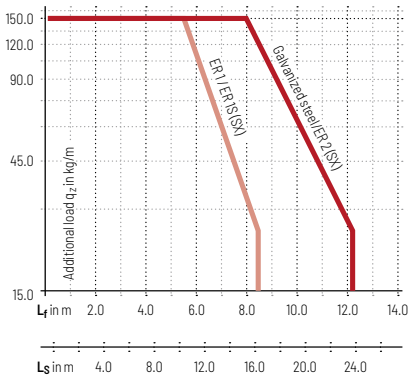
Acceleration
up to 2.5 m/s²



Travel length
up to 24 m



Additional load
up to 150 kg/m



More product information online



Assembly instructions etc.:
Additional info via your
smartphone or check online at
[tsubaki-kabelschlepp.com/
downloads](https://tsubaki-kabelschlepp.com/downloads)



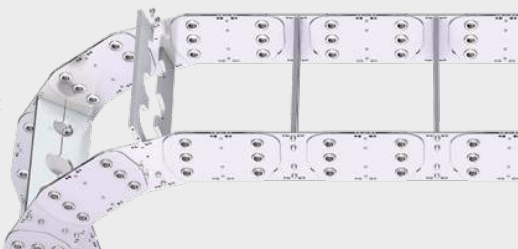
Configure your custom
cable carrier here:
online-engineer.de

MT series
XLT series
ROBOTRAX® System
FLATVEYOR®
CLEANVEYOR®
LS/SX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Aluminum stay LG – hole stay, split version

- » Optimum cable routing in the neutral bending line. Split version for easy cable routing.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint easy to release.

HEAVY DUTY
TSUBAKI KABELSCHLEPP



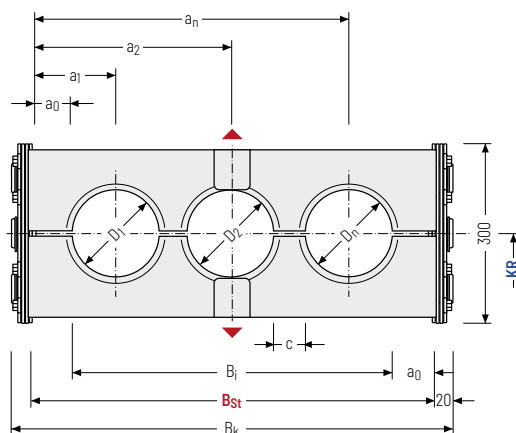
Stay arrangement on every
2nd chain link, standard
(HS: half-stayed)



Stay arrangement on each
chain link (VS: fully-stayed)



1mm B_k 250 – 1500 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t for odd
number of chain links

Calculating the stay width

Stay width B_{St}

$$B_{St} = \sum D + \sum c + 2 \cdot a_0$$

D _{max} [mm]	D _{min} [mm]	h _G [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	C _{min} [mm]	a ₀ min [mm]	KR [mm]				q _k 50 %** [kg/m]
220	12	300	181	210	B _{St} + 40	4	22	470	670	870	1075	57.48
			1416	1460				1275	1480	1785		72.66

* in 1 mm width sections

** Hole ratio of the hole stay approx. 50 %

Order example



SX3200

Type

776

B_{St} [mm]

LG

Stay variant

1075

KR [mm]

ER1

Material

9280

L_k [mm]

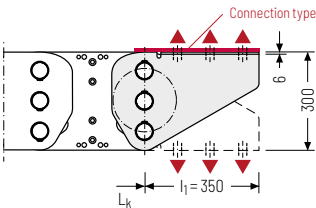
HS

Stay arrangement

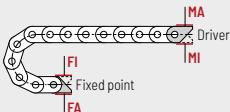
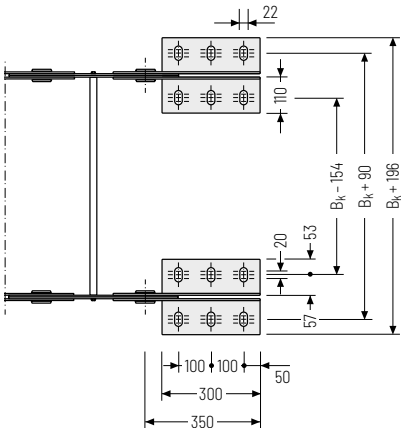
Subject to change without notice.

End connectors – steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options



Connection point

F – fixed point
M – driver

Connection type

A – threaded joint outside (standard)
I – threaded joint inside

Order example



Steel	F	A
Steel	M	A
End connector	Connection point	Connection type



We recommend the use of strain reliefs at the driver and fixed point. See from p. 924.

More product information online



Assembly instructions etc.:
Additional info via your
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series

S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®

S/SX

5000 – 8000



Pitch
200 – 550 mm



Inner heights
150 – 578 mm



Chain widths
250 – 1800 mm



Bending radii
min. 500 mm

Stay variants



Steel stay special design..... from page **816**

Steel frame stay, bolted

- » Steel profile bars for extremely high additional loads and very large cable carrier widths. Double threaded joint on both sides.
- » **Inside/outside:** Threaded joint can be released.

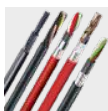


Cable carriers of types 5000 – 8000 are **customized products** for special applications, e.g. offshore use.



TOTALTRAX® complete systems

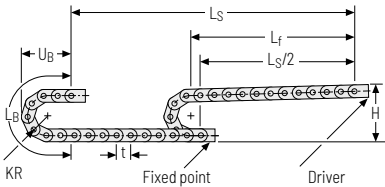
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline

Unsupported arrangement



Installation height H_z

$H_z = H + 10 \text{ mm/m}$

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight q_k
50 kg/m for S/SX5000
75 kg/m for S/SX6000
150 kg/m for S/SX7000
230 kg/m for S/SX8000
For other inner widths, the maximum additional load changes.



Speed

S/SX5000 up to 2.0 m/s
S/SX6000 up to 1.5 m/s
S/SX7000 up to 0.5 m/s
S/SX8000 up to 0.5 m/s



Acceleration

S/SX5000 up to 3.0 m/s²
S/SX6000 up to 2.0 m/s²
S/SX7000 up to 0.3 m/s²
S/SX8000 up to 0.3 m/s²



Travel length

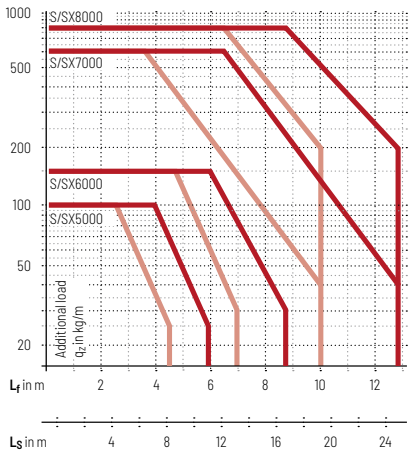
S/SX5000 up to 11.0 m
S/SX6000 up to 16.7 m
S/SX7000 up to 24.9 m
S/SX8000 up to 24.9 m



Additional load

S/SX5000 up to 100 kg/m
S/SX6000 up to 150 kg/m
S/SX7000 up to 600 kg/m
S/SX8000 up to 800 kg/m

Type	KR [mm]	H [mm]	L _B [mm]	U _B [mm]
S/SX5000	min. 500	1200	1970	800
	max. 1200	2600	4170	1500
S/SX6000	min. 700	1700	2840	1170
	max. 1500	3300	5350	1970
S/SX7000	min. 900	2250	3725	1575
	max. 2400	5250	8435	3075
S/SX8000	min. 900	2400	3925	1750
	max. 2400	5400	8635	3250



— S5000/6.../7.../8... galvanized steel
— SX5000/6.../7.../8... ER 2
— SX5000/6.../7.../8... ER 1 / ER 1S

More product information online



Assembly instructions etc.:
Additional info via your
smartphone or check online at
[tsubaki-kabelschlepp.com/
downloads](http://tsubaki-kabelschlepp.com/downloads)

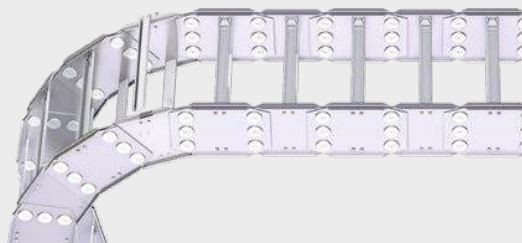


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LS/LSX series
S/SX series
S/SX-Tubes series
Accessories
TRAXLINE®

Steel stay – steel frame stay, bolted

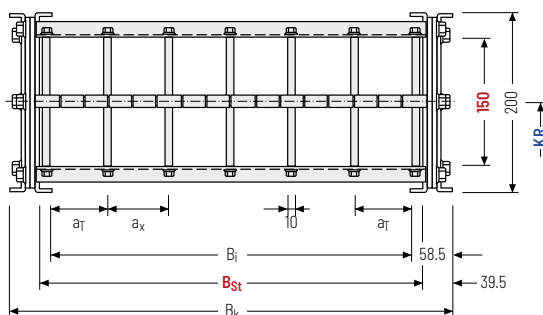
- » Steel profile bars for extremely high additional loads and very large cable carrier widths.
- » Double threaded joint on both sides.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint can be released.



Stay arrangement on each chain link (**VS: fully-stayed**)



1mm B_k 250 – 1200 mm
in 1 mm width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k rounded to pitch t for odd number of chain links

h _i [mm]	h _g [mm]	B _i [mm]	B _{St} [mm]*	B _k [mm]	a _T max [mm]	a _x max [mm]	n _T min	KR [mm]**	q _k [kg/m]
150	200	133 1083	171 1121	B _{St} + 79	150	150	2	500 1200	42.5 52.0

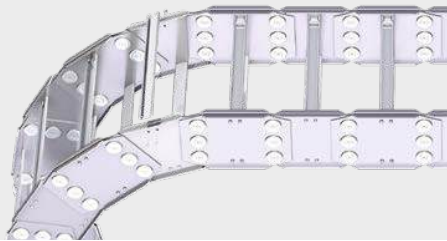
* in 1 mm width sections

** individual intermediate sizes available

Subject to change without notice.

Steel stay -
steel frame stay, bolted

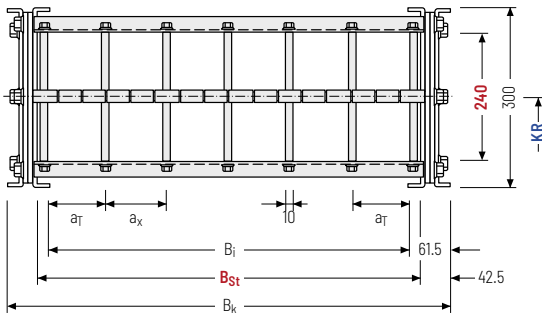
- » Steel profile bars for extremely high additional loads and very large cable carrier widths.
- » Double threaded joint on both sides.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint can be released.



Stay arrangement on each chain link (**VS: fully-stayed**)



B_k 300 – 1500 mm
in **1 mm** width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the
cable carrier length

Cable carrier length **L_k**

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length **L_k**
rounded to pitch **t** for odd
number of chain links

h_i [mm]	h_g [mm]	B_i [mm]	B_{St} [mm]*	B_k [mm]	a_T max [mm]	a_x max [mm]	n_T min	KR [mm]**	q_k [kg/m]
240	300	177 - 1377	215 - 1415	B _{St} + 85	200	200	2	700 - 1500	55 - 79

* in 1 mm width sections

** individual intermediate sizes available

Subject to change without notice.

MT
series

XLT
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CLEANVEYOR®

LS/LSX
series

S/SX
series

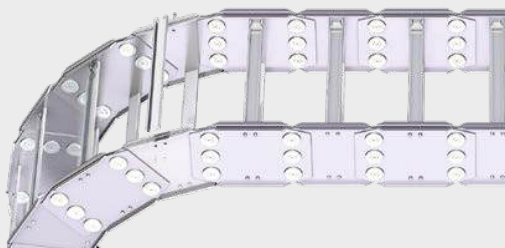
S/SX-Tubes
series

Accessories

TRAXLINE®

Steel stay – steel frame stay, bolted

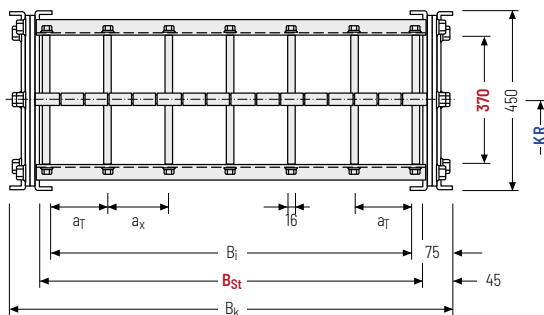
- » Steel profile bars for extremely high additional loads and very large cable carrier widths.
- » Double threaded joint on both sides.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint can be released.



Stay arrangement on each chain link (**VS: fully-stayed**)



1 mm B_k from 350 – 1800 mm
in **1 mm width sections**



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t for odd
number of chain links

h_i [mm]	h_g [mm]	B_i [mm]	B_{St} [mm]*	B_k [mm]	$a_T \max$ [mm]	$a_x \max$ [mm]	$n_T \min$	KR [mm]**	q_k [kg/m]
370	450	200 1650	260 1710	$B_{St} + 90$	250	250	2	900 2400	135 164

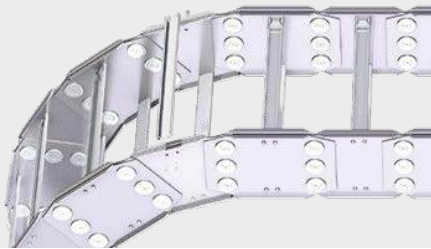
* in 1 mm width sections

** individual intermediate sizes available

Subject to change without notice.

Steel stay -
steel frame stay, bolted

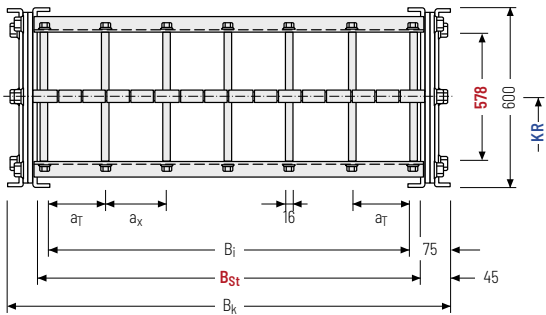
- » Steel profile bars for extremely high additional loads and very large cable carrier widths. Double threaded joint on both sides.
- » Available customized in **1 mm grid**.
- » **Inside/outside:** Threaded joint can be released.



Stay arrangement on each chain link (**VS: fully-stayed**)



1 mm B_k 350 – 1800 mm
in **1 mm** width sections



The maximum cable diameter strongly depends on the bending radius and the desired cable type. Please contact us.

Calculating the
cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k
rounded to pitch t for odd
number of chain links

h _i [mm]	h _g [mm]	B _t [mm]	B _{St} [mm]*	B _k [mm]	a _T max [mm]	a _x max [mm]	n _T min	KR [mm]**	q _k [kg/m]
578	600	200 1650	260 1710	B _{St} + 90	300	300	2	900 2400	198 255

* in 1 mm width sections

** individual intermediate sizes available

Subject to change without notice.

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

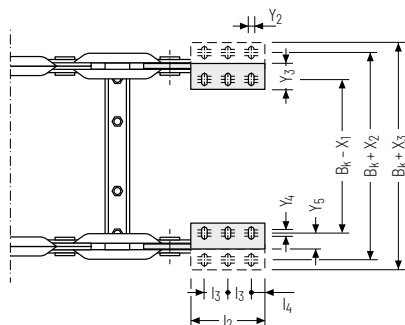
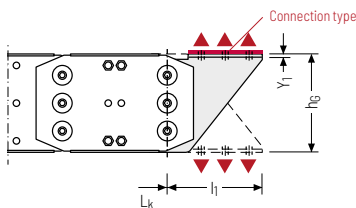
S/SX-Tubes
series

Accessories

TRAXLINE®

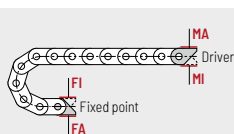
End connectors – steel

End connectors made of steel. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options

Type	h ₁ [mm]	h ₂ [mm]	h ₃ [mm]	h ₄ [mm]	X ₁ [mm]	X ₂ [mm]	X ₃ [mm]	Y ₁ [mm]	Y ₂ [mm]	Y ₃ [mm]	Y ₄ [mm]	Y ₅ [mm]
S/SX5000	300	200	75	25	130	210	290	12	18	90	15	50
S/SX6000	400	300	100	50	130	210	290	12	18	90	15	50
S/SX7000	400	300	100	50	140	220	300	12	22	90	15	50
S/SX8000	400	300	100	50	140	220	300	12	22	90	15	50



Connection point

F - fixed point
M - driver

Connection type

A - threaded joint outside (standard)
I - threaded joint inside

More product information online



Assembly instructions etc.:
Additional info via your
smartphone or check online at
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Substâncias perigosas sem aviso prévio.

821

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XLT
series

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FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®

S/SX9000

Custom sizes



**Cable carrier
width**
from 350 mm

For over 65 years, TSUBAKI KABELSCHLEPP has been developing and manufacturing steel cable carriers which are used in a great variety of applications, from steel works and shipbuilding to offshore oil rigs. We comply with the required quality and industry standards and are happy to develop customized solutions for your individual projects. We can manufacture special sizes in different materials as per your requirements.

- » Individual problem solutions from an experienced engineering team
- » Maintenance-free systems with a high level of reliability and availability
- » Different materials adapted to the area of application
- » Resistant to temperature, corrosion, chemicals and UV
- » Suitable for use with salt water
- » Explosion protection with classification EX II 2 GD as per ATEX RL
- » Linear and rotating travel paths possible
- » Easy and flexible assembly with modular design
- » Cable weights of over 1000 kg/m possible
- » Long service life



TSUBAKI KABELSCHLEPP technical support

If you have any questions about the configuration of cable carriers or other technical details please contact our technical support at technik@kabelschlepp.de. We will be happy to help you.



Subject to change without notice.



Subject to change without notice.

823

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®



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