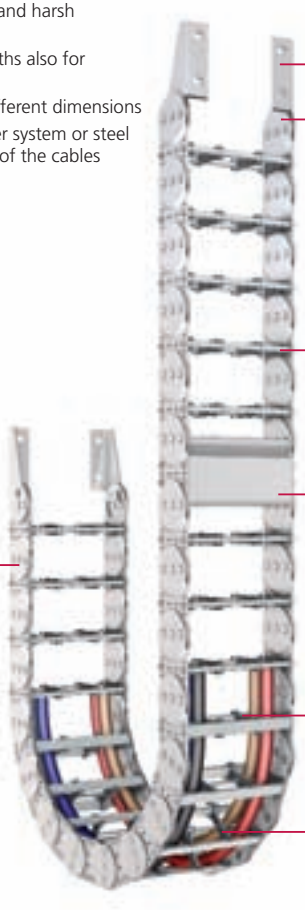

S/SX Series
The power to innovate

S/SX Series

Extremely robust and stable steel chains*

- Extremely robust and stable steel chains for heavy mechanical loads and harsh environmental conditions
- Very long unsupported lengths also for large additional loads
- Various types available in different dimensions
- Covers with aluminium cover system or steel strip possible for protection of the cables



End connectors for different connection variants

Extremely robust chain bands galvanized or made of stainless steel

STEEL GALVANIZED

STAINLESS STEEL RUST-FREE

Different stay variants available in 1 mm width sections

WIDTHSECTIONS 1 mm

Aluminium cover available in 1 mm width sections

WIDTHSECTIONS 1 mm

Link design with special bolts for a long service life

Dividers made of plastic or steel

Various cable separation options

The design

Steel cable carriers proven over many years with extremely stable chain link plates and a link design with multiple stroke system and special bolts. Large unsupported lengths and high additional loads are possible due to the extremely stable design.

Sandwich design: Chain link plates consist of two plates welded together

Glide shoes for gliding applications are available

Stroke system with special bolts and locking rings

Also available as covered variants with cover system or steel band covering

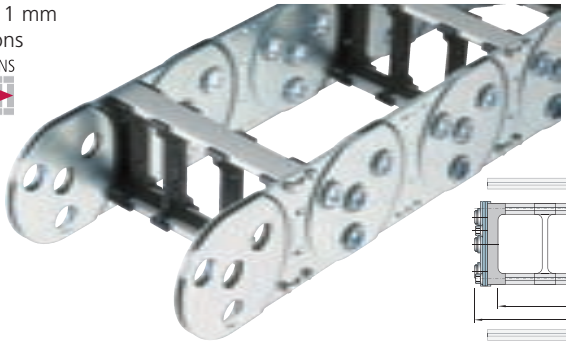
* Some features can be different for certain types for design reasons. Our specialists are happy to advise you.

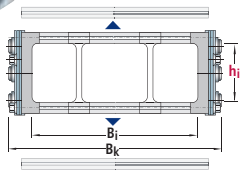
Overview S/SX Series

Types S/SX 0650, 0950, 1250, 1800

- Available in 1 mm width sections

WIDTHSECTIONS 1 mm





Type	h_i	B_k	Maximum travel length unsupported arrangement[A] in m	Dynamics of unsupported arrangement		Page
				Travel speed[B] v_{max} in m/s	Travel acceleration a_{max} in m/s²	
S/SX 0650	31	70-500	6	2.5	5.0	254
S/SX 0950	46	125-600	9	2.5	5.0	254
S/SX 1250	72	130-800	12	2.5	5.0	254
S/SX 1800	108	180-1000	18	2.0	3.0	254

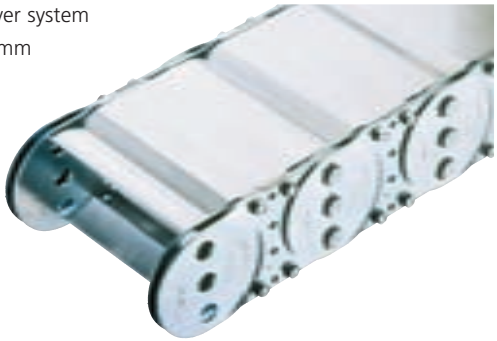
A) Values S versions; SX versions see load diagram of the respective type
B) Values for SX versions reduced by 0.5 m/s
The values h_i and B_k are dependent on the stay variant.

Dimensions in mm

STEEL TUBES – Types S/SX 0650 – 1800

- Aluminium cover system
- Available in 1 mm width sections

WIDTHSECTIONS 1 mm



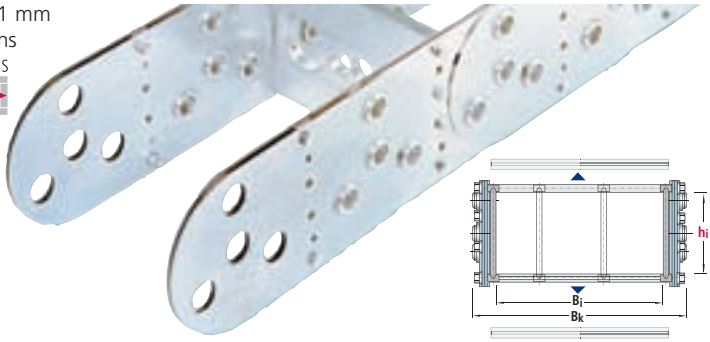
Detailed information for the stay variant RMD can be found on page 257.

Overview S/SX Series

Types S/SX 2500 and 3200

- Available in 1 mm width sections

WIDTHSECTIONS 1 mm



Type	h_i	B_k	Maximum travel length unsupported arrangement[A] in m	Dynamics of unsupported arrangement		Page
				Travel speed[B] v_{max} in m/s	Travel acceleration a_{max} in m/s²	
S/SX 2500	183	250-1200	24	2.0	3.0	262
S/SX 3200	220	250-1500	25	2.0	2.5	262

A) Values S versions; SX versions see load diagram of the respective type
B) Values for SX versions reduced by 0.5 m/s
The values h_i and B_k are dependent on the stay variant.

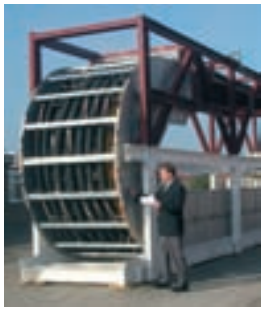
Dimensions in mm

Types S/SX 5000 to 7000

- Available in 1 mm width sections

WIDTHSECTIONS 1 mm

For applications with extremely large additional loads and very large carrier dimensions. Cable and hose carriers of the types 5000 / 6000 / 7000 are usually special designs for special applications such as in the offshore area for example



Type	h_i	B_k	Maximum travel length unsupported arrangement[A] in m	Dynamics of unsupported arrangement		Page
				Travel speed[B] v_{max} in m/s	Travel acceleration a_{max} in m/s²	
S/SX 5000	150	150-1000	12	2.0	3.0	266
S/SX 6000	240	200-1200	18	1.5	2.0	266
S/SX 7000	370	350-1800	25	1.0	1.0	266

A) Values S versions; SX versions see load diagram of the respective type
B) Values for SX versions reduced by 0.5 m/s

Fon: +49 2762 4003-0

Inside heights
31 – 72

Chain widths
100 – 500

Types S/SX 0650, 0950, 1250, 1800

- **Type S:**
  Chainbands made of galvanized steel
  Type SX:
  Chainbands made of high-grade stainless steel
- **Available in 1 mm width sections**

WIDTHSECTIONS
1 mm

Bend radius and pitch

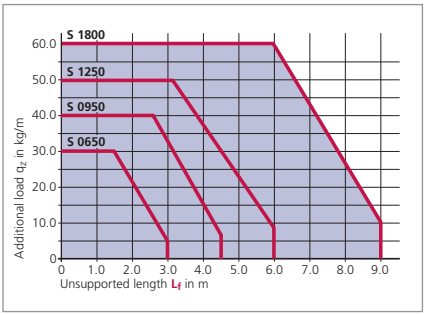
Type	Bend radii KR mm												
S/SX 0650	75	95	115	125	135	145	155	175	200	250	300	400	–
S/SX 0950	125	140	170	200	260	290	320	350	410	600	–	–	–
S/SX 1250	145	200	220	260	300	340	380	420	460	500	540	600	1000
S/SX 1800	265	320	375	435	490	605	720	890	1175	1405	–	–	–

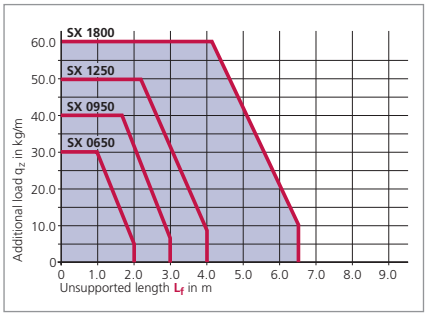
Intermediate radii upon request.

Pitch:
S/SX 0650: t = 65 mm
S/SX 0950: t = 95 mm
S/SX 1250: t = 125 mm
S/SX 1800: t = 180 mm

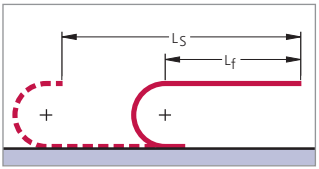
Load diagrams

for unsupported length L_f depending on the additional load*





Unsupported length L_f



Determining the length of the cable carrier see page 38.

* Load diagram for stay variant RV for medium carrier widths. The possible additional load for large carrier widths and heavy stay variants (e.g. RMD) is smaller due to the increased intrinsic chain weight.

Example of ordering

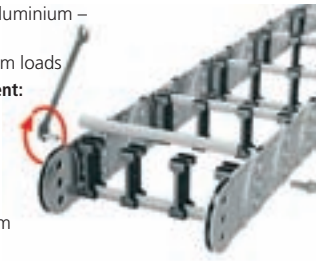
Cable carrier									Divider system		Connection
S 0950	.	300	-	RS 1	-	200	-	St	-	2375	TS 0 / 4	FA/MA
Type		Stay width B_{St} in mm		Stay variant		Bend radius KR in mm		Chain band material		Chain length L_k in mm (without connection)	Divider system / Number of dividers n_T	Connection Fixed point/ Driver

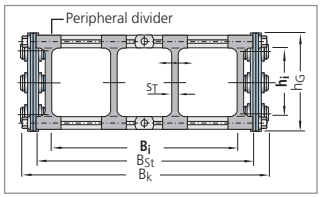
Chain band materials: St = Galvanized steel / ER 1 = Stainless steel / ER 1S = Stainless steel, sea water resistant / ER 2 = High-strength stainless steel. Please contact us for further information about the chain band materials.
Ordering divider systems: Please state the designation of the divider system (TS 0, TS 1 ...) and the number of dividers. Possibly attach a sketch with the dimensions.

Type S/SX 0650, 0950, 1250, 1800

Stay variant RS 2 – with bolted stays

- frame stay RS made of aluminium – standard design
- for lightweight to medium loads
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.
- bolted stays for maximum stability





Dimensions and intrinsic chain weight

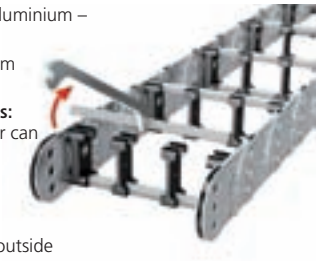
Type	Stay variant	h_i	h_G	B_k min	q_k min	B_k max	q_k max	B_i	B_{St}
S/SX 0650	RS 2	31	50	100	3.9	400	5.2	B_k – 31	B_i + 16
S/SX 0950	RS 2	46	68	150	7.5	400	8.2	B_k – 37	B_i + 18
S/SX 1250	RS 2	72	94	200	12.9	500	13.7	B_k – 44	B_i + 20

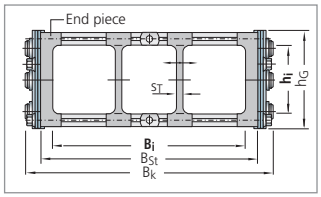
WIDTHSECTIONS 1 mm

Dimensions in mm/Weights in kg/m

Stay variant RS 1 – with a detachable stay

- frame stay RS made of aluminium – solid design
- for lightweight to medium loads
- **Standard opening options:**
  Outside: The cable carrier can be opened quickly and easily simply by rotating the stays through 90°.
  Inside: Screwed stays
  Optional: Bolted on the outside and opening inwards, please state when ordering.
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.





Dimensions and intrinsic chain weight

Type	Stay variant	h_i	h_G	B_k min	q_k min	B_k max	q_k max	B_i	B_{St}
S/SX 0650	RS 1	31	50	100	3.9	300	4.8	B_k – 35	B_i + 20
S/SX 0950	RS 1	46	68	150	7.5	300	8.0	B_k – 43	B_i + 24
S/SX 1250	RS 1	72	94	200	12.9	400	13.5	B_k – 48	B_i + 24

WIDTHSECTIONS 1 mm

Dimensions in mm/Weights in kg/m

The illustrations on this page show the design principle.
The design of individual types can be different.

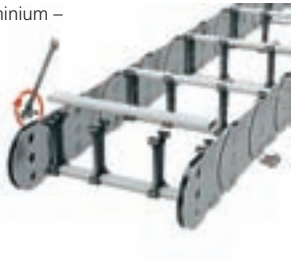
Inside heights
43 – 108

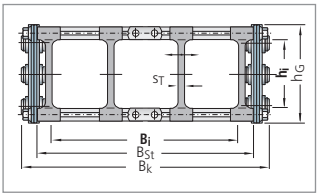
Chain widths
125 – 1000

Types S/SX 0650, 0950, 1250, 1800

Stay variant RV – frame stay, reinforced design

- frame stay RV made of aluminium – reinforced design
- for medium to heavy loads and for large chain width
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.
- bolted stays for maximum stability





Dimensions and intrinsic chain weight

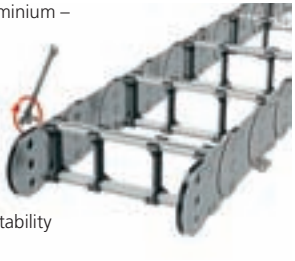
Type	Stay variant	h_i	h_G	B_k min	q_k min	B_k max	q_k max	B_i	B_{St}
S/SX 1250	RV	72	94	200	13.6	600	17.0	$B_k - 46$	$B_i + 22$

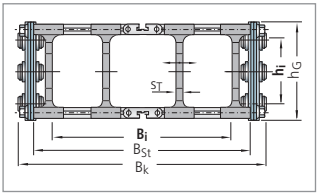
WIDTHSECTIONS 1 mm

Dimensions in mm/Weights in kg/m

Stay variant RM – frame stay, solid design

- frame stay RM made of aluminium – solid design
- for heavy loads – maximum chain widths possible
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.
- bolted stays for maximum stability





Dimensions and intrinsic chain weight

Type	Stay variant	h_i	h_G	B_k min	q_k min	B_k max	q_k max	B_i	B_{St}
S/SX 0950	RM	43	68	125	7.9	600	10.7	$B_k - 37$	$B_i + 18$
S/SX 1250	RM	69	94	200	13.4	800	17.0	$B_k - 49$	$B_i + 25$
S/SX 1800	RM	108	140	250	24.0	1000	28.5	$B_k - 62$	$B_i + 33$

WIDTHSECTIONS 1 mm

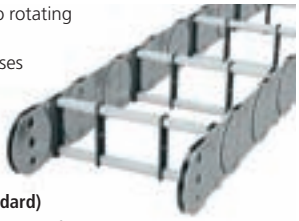
Dimensions in mm/Weights in kg/m

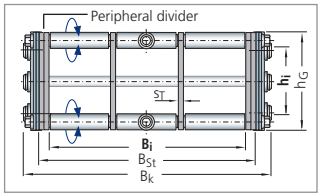
The illustrations on this page show the design principle.
The design of individual types can be different.

Types S/SX 0650, 0950, 1250, 1800

Stay variant RR – frame stay, tube design

- gentle cable support due to rotating metal tubes
- ideal when using media hoses with "soft" sheaths
- possible materials of the axles, tubes and dividers:
  - axles and tubes, galvanized steel with plastic dividers **(Standard)**
  - axles, tubes and dividers made of galvanized steel
  - axles, tubes and dividers made of stainless steel ER 1, ER 1S
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.
- bolted stays for maximum stability





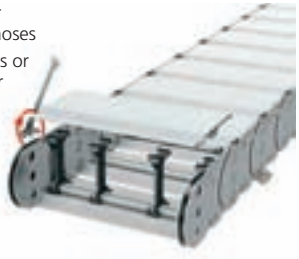
Dimensions and intrinsic chain weight

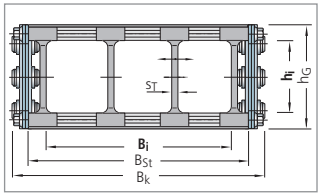
Type	Stay variant	h_i	h_G	B_k min	q_k min	B_k max	q_k max	B_i	B_{St}
S/SX 0650	RR	26	50	100	4.8	400	8.7	$B_k - 31$	$B_i + 16$
S/SX 0950	RR	42	68	150	8.4	500	11.8	$B_k - 35$	$B_i + 16$
S/SX 1250	RR	66	94	200	13.8	600	17.3	$B_k - 40$	$B_i + 16$
S/SX 1800	RR	104	140	250	26.5	800	36.0	$B_k - 49$	$B_i + 20$

Dimensions in mm/Weights in kg/m

Stay variant RMD – covered cable carrier, STEEL TUBE

- **aluminium cover system** for protecting the cables and hoses
- for applications where chips or severe contamination occur
- bolted aluminium cover for maximum stability





Steel band covers are also available as light-weight, economically priced alternatives to covering with the aluminium cover system, see page 268.

Dimensions and intrinsic chain weight

Type	Stay variant	h_i	h_G	B_k min	q_k min	B_k max	q_k max	B_i	B_{St}	KR_{min}
S/SX 0650	RMD	30	50	100	4.8	500	10.5	$B_k - 35$	$B_i + 20$	115
S/SX 0950	RMD	44	68	125	10.2	600	22.0	$B_k - 37$	$B_i + 18$	170
S/SX 1250	RMD	69	94	150	15.4	800	32.4	$B_k - 49$	$B_i + 25$	200
S/SX 1800	RMD	104	140	250	26.5	1000	46.5	$B_k - 62$	$B_i + 33$	320

WIDTH SECTIONS 1 mm

Dimensions in mm/Weights in kg/m

The illustrations on this page show the design principle.
The design of individual types can be different.

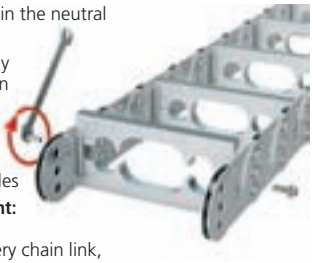
Inside heights
40 – 110

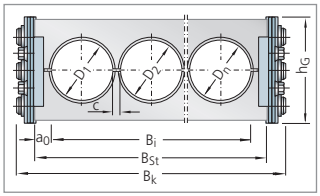
Chain widths
70 – 1000

Types S/SX 0650, 0950, 1250, 1800

Stay variant LG – hole stay made of aluminium, split design

- optimum cable guidance in the neutral bending line is possible
- drilling pattern individually adapted to the application
- high stability due to solid construction
- split design as standard for easy laying of the cables
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.
- bolted stays for maximum stability – also available not split





Dimensions and intrinsic chain weight

Type	Stay variant	D max	h_G	B_k min	q_k min*	B_k max	q_k max*	a_0 min	B_i	B_{St}
S/SX 0650	LG	40	50	70	4.0	500	6.4	9.0	B_{St} – 18	B_k – 17
S/SX 0950	LG	48	68	125	8.1	600	11.8	11.0	B_{St} – 22	B_k – 21
S/SX 1250	LG	74	94	130	13.2	800	18.2	11.0	B_{St} – 22	B_k – 26
S/SX 1800	LG	110	140	180	24.8	1000	33.0	13.5	B_{St} – 27	B_k – 32

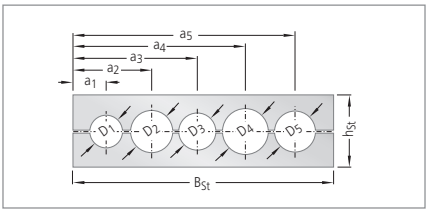
WIDTHSECTIONS 1 mm

* Listed weights assume that the hole area is approx. 50 % of the stay.

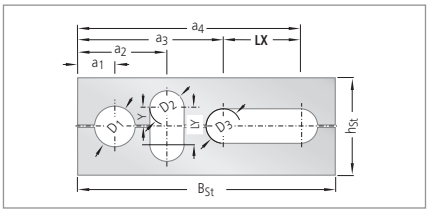
Dimensions in mm/Weights in kg/m

Selection of some hole patterns:

Split hole stay with individual holes



Split hole stay with horizontal and vertical elongated holes*



*) With an off-center arrangement of the holes, the cables are subject to a relative movement when the carrier is in motion.

Stay variant LG with the modular hole stay system

Modular hole stay system – split design

The plastic modular hole stay system enables you to create your own customized hole stay quickly and easily.

Hole stay inserts are available for Series S 1250 and SX 1250. Available hole diameters: 10, 15, 20, 25, 30, 40, 50

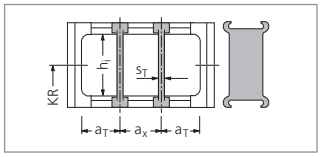
Please do get in touch with us, we would be happy to advise you.

The illustrations on this page show the design principle. The design of individual types can be different.

Types S/SX 0650, 0950, 1250, 1800

Divider system TS 0 without height subdivision

Type	Stay variant	h_i mm	S_T mm	$a_{T\,min}$ mm	$a_{x\,min}$ mm
S/SX 0650	RS 1/2	31	3	11.5	13
S/SX 0650	RMD	30	3	11.5	13
S/SX 0650	RR	26	4	20.0	25
S/SX 0950	RS 1/2	46	4	12.0	14
S/SX 0950	RM	43	4	10.0	14
S/SX 0950	RMD	44	4	12.0	14
S/SX 0950	RR	42	4	20.0	20
S/SX 1250	RS 1/2	72	5	12.5	15
S/SX 1250	RV	72	6	13.0	16
S/SX 1250	RM	69	5	17.5	20
S/SX 1250	RMD	69	5	17.5	20
S/SX 1250	RR	66	4	30.0	30
S/SX 1800	RM	108	7.5	21.5	25
S/SX 1800	RMD	104	7.5	21.5	25
S/SX 1800	RR	104	5	45.0	45



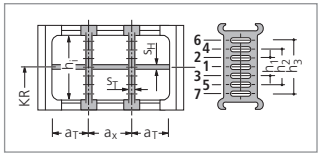
In the standard version, the divider systems are mounted on every second chain link.

The dividers can be moved in the cross section.

Divider system TS 1 with continuous height subdivision made of aluminium

Type	Stay variant	h_i mm	S_T mm	$a_{T\,min}$ mm	$a_{x\,min}$ mm	S_H mm	h_1 mm	h_2 mm	h_3 mm
S/SX 1250	RV	72	6	13	16	4	15	30	45

The dividers can be moved in the cross section.

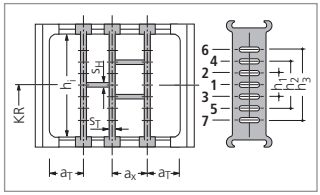


In the standard version, the divider systems are mounted on every second chain link.

Divider system TS 2 with grid subdivision made of aluminium (1 mm grid)

Type	Stay variant	h_i mm	S_T mm	$a_{T\,min}$ mm	$a_{x\,min}$ mm	S_H mm	h_1 mm	h_2 mm	h_3 mm
S/SX 1250	RV	72	6	13	20	4	15	30	45

The dividers can be moved in the cross section.



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

Types S/SX 0650, 0950, 1250, 1800

Divider system TS 3 with section subdivision, partitions made of plastic

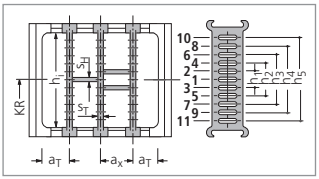
Inside heights
31 – 108

Chain widths
70 – 1000

Type	Stay variant	h_i mm	S_T mm	a_T min mm	a_x min mm	S_H mm	h_1 mm	h_2 mm	h_3 mm	h_4 mm	h_5 mm
S/SX 1800	RM	108	8	11.5	16*	4	14	28	42	56	70

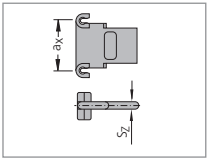
* When using plastic partitions

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



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

Dimensions of the plastic partitions for TS 3



Aluminium partitions in 1 mm width sections are also available.

S_Z	a_x (center-to-center distance, dividers)									
4	16	18	23	28	32	33	38	43	48	58
	64	68	78	80	88	96	112	**128**	**144**	**160**
	176	**192**	**208**	–	–	–	–	–	–	–

Dimensions in mm

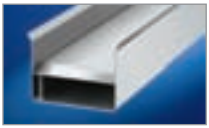
When using **partitions with a_x > 112 mm**, there should be an additional central support with a **twin divider** (S_T = 4 mm).

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

Guide channels
➤ from page 282

Strain relief devices
➤ from page 288

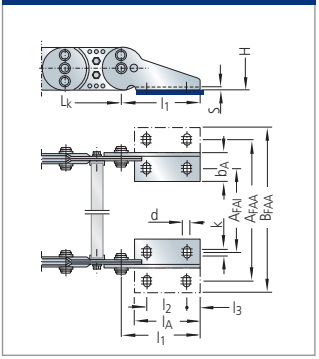
Cables for cable carrier systems
➤ from page 330



Types S/SX 0650, 0950, 1250, 1800

End connectors made of steel (types S) or high-grade steel (types SX)

Fixed point connection



Driver connection

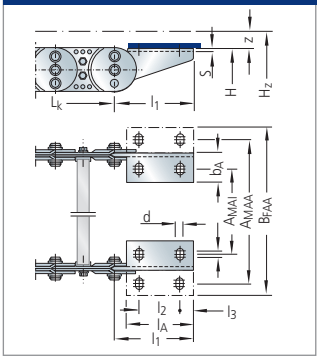
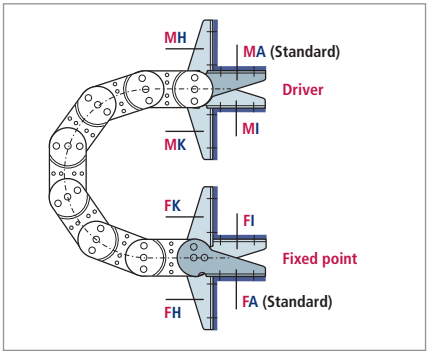


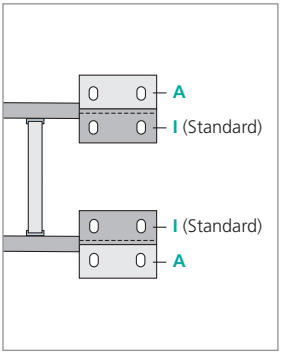
Table of dimensions:

Type	l_1	l_2	l_3	l_A	b_A	d	k	s	A_{FAI}	A_{FAA}	B_{FAA}	A_{MAI}	A_{MAA}	B_{MAA}
S/SX 0650	95	45	15	75	30	6.4	5	3	B_k-37	B_k+25	B_k+51	B_k-43	B_k+19	B_k+45
S/SX 0950	125	65	20	105	55	8.4	10	4	B_k-63	B_k+49	B_k+99	B_k-71	B_k+41	B_k+91
S/SX 1250	155	80	25	130	55	10.5	10	5	B_k-64	B_k+46	B_k+96	B_k-74	B_k+36	B_k+86
S/SX 1800	210	115	30	175	60	13	10	5	B_k-77	B_k+53	B_k+103	B_k-88	B_k+41	B_k+91

Dimensions in mm

Connection variants





Connection point

M – Driver

F – Fixed point

Connection type

A – Threaded joint outside (standard)

I – Threaded joint, inside

H – Threaded joint, rotated through 90° to the outside

K – Threaded joint, rotated through 90° to the inside

Connecting surface

I – Connecting surface inside (< B_k)

A – Connecting surface outside (> B_k)

On the driver and the fixed point, the connecting surfaces can be be mounted on the outside or the inside according to preference.

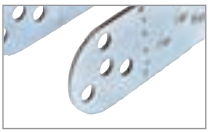
The connection type can easily be altered at a later date.

In the standard version, the connectors are mounted with the bolting to the outside and the connecting surface to the inside (**FAI**/**MAI**). When ordering please specify the desired connection type.

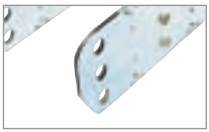
Types S/SX 2500 and 3200

- **Type S:**
  Chainbands made of galvanized steel
  Type SX:
  Chainbands made of high-grade stainless steel
- **Available in 1 mm width sections**

WIDTHSECTIONS 1 mm



Side plate construction for types S/SX 2500



Side plate construction fortypes S/SX 3200

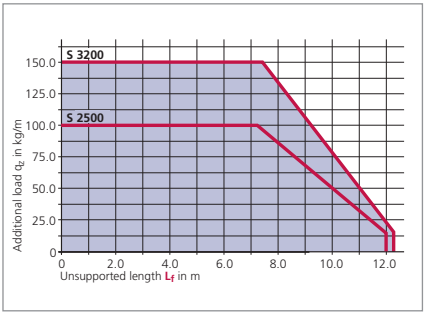
Bend radius and pitch

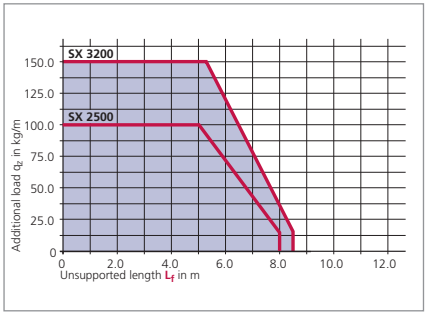
Type	Bend radii KR mm							
S/SX 2500	365	445	600	760	920	1075	1235	1395
S/SX 3200	–	470	670	870	1075	1275	1480	1785

Pitch:
S/SX 2500: t = 250 mm
S/SX 3200: t = 320 mm

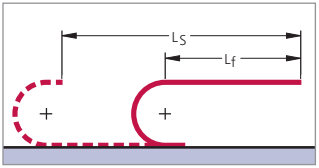
Load diagrams

for unsupported length L_f depending on the additional load*





Unsupported length L_f



Determining the length of the cable carrier see page 38.

* Load diagrams for medium intrinsic chain weight. The possible additional load for large carrier widths is smaller due to the increased intrinsic chain weight.

Example of ordering

Cable carrier							Divider system		Connection
S 2500	850	LG	760	ER 1	9250		TS 0	4	FA/MA
Type	Stay width B_{St} in mm	Stay variant	Bend radius KR in mm	Chain band material	Chain length L_k in mm (without connection)		Divider system	Number of dividers n_T	Connection Fixed point/ Driver

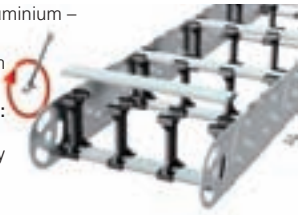
Chain band materials: St = Galvanized steel / ER 1 = Stainless steel / ER 1S = Stainless steel, sea water resistant / ER 2 = High-strength stainless steel. Please contact us for further information about the chain band materials.

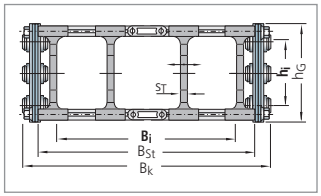
Ordering divider systems: Please state the designation of the divider system (TS 0, TS 1 ...) and the number of dividers. Possibly attach a sketch with the dimensions.

Type S/SX 2500

Stay variant RM – frame stay, solid design

- frame stay RM made of aluminium – solid design
- for heavy loads – maximum chain widths possible
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.
- bolted stays for maximum stability





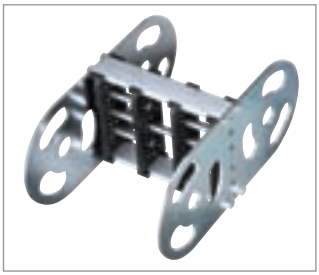
Dimensions and intrinsic chain weight

Type	Stay variant	h_i	h_G	B_k min	q_k min	B_k max	q_k max	B_i	B_{St}
S/SX 2500	RM	183	220	250	39	1200	44	$B_k - 75$	$B_i + 43$

WIDTHSECTIONS 1 mm

Dimensions in mm/Weights in kg/m

Standard divider for different separation options



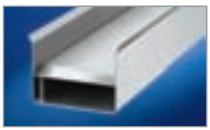
Dividers are available for stay variant RM which enable different height subdivisions of the steel tube to be achieved.

Please do get in touch with us. We would be happy to advise you.

Guide channels
➤ from page 282

Strain relief devices
➤ from page 288

Cables for cable carrier systems
➤ from page 330



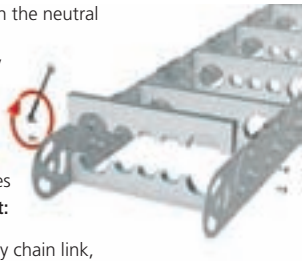
Inside height
180 – 220

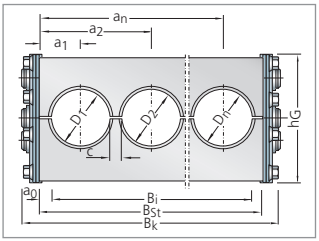
Chain widths
250 – 1500

Types S/SX 2500 and 3200

Stay variant LG – hole stay made of aluminium, split design

- optimum cable guidance in the neutral bending line is possible
- drilling pattern individually adapted to the application
- high stability due to solid construction
- split design as standard for easy laying of the cables
- **Standard stay arrangement:** on every 2nd chain link. Stays can be fitted on every chain link, please specify when placing your order.
- bolted stays for maximum stability – also available not split





Dimensions and intrinsic chain weight

Type	Stay variant	D max	h_G	B_k min	q_k min*	B_k max	q_k max*	a_0 min	B_i	B_{St}
S/SX 2500	LG	180	220	250	36.5	1200	48.5	22	B_{St} – 44	B_k – 32
S/SX 3200	LG	220	300	250	57.5	1500	72.5	22	B_{St} – 44	B_k – 40

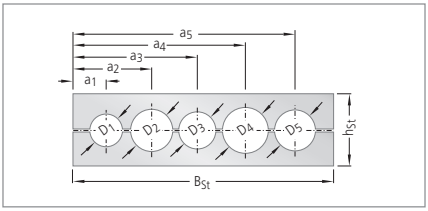
WIDTHSECTIONS 1 mm

* Listed weights assume that the hole area is approx. 50 % of the stay.

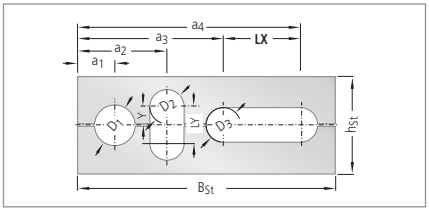
Dimensions in mm/Weights in kg/m

Selection of some hole patterns:

Split hole stay with individual holes



Split hole stay with horizontal and vertical elongated holes*

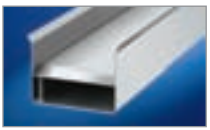


*) With an off-center arrangement of the holes, the cables are subject to a relative movement when the carrier is in motion.

Guide channels
➤ from page 282

Strain relief devices
➤ from page 288

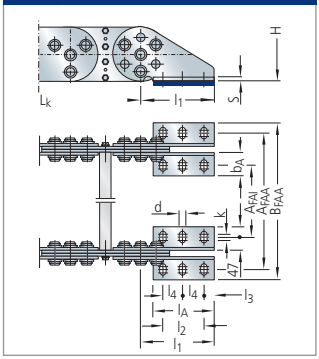
Cables for cable carrier systems
➤ from page 330



Types S/SX 2500 and 3200

End connectors made of steel (types S) or high-grade steel (types SX)

Fixed point connection



Driver connection

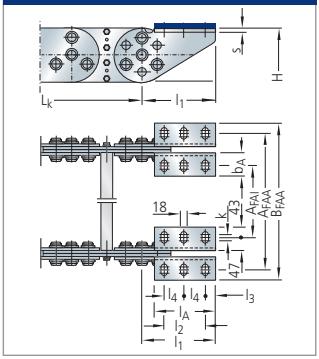
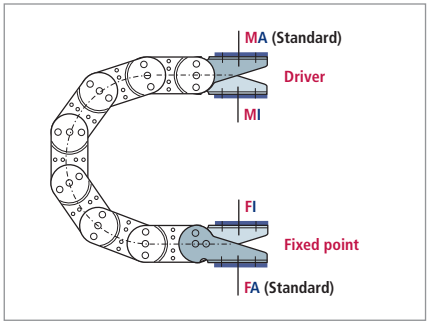


Table of dimensions:

Type	l_1	l_2	l_3	l_4	l_A	b_A	d	k	s	A_{FAI}	A_{FAA}	B_{FAA}	A_{MAI}	A_{MAA}	B_{MAA}
S/SX 2500	300	170	40	85	250	90	18	15	6	B_k-126	B_k+74	B_k+160	B_k-126	B_k+74	B_k+160
S/SX 3200	350	200	50	100	300	110	22	20	6	B_k-154	B_k+90	B_k+196	B_k-154	B_k+90	B_k+196

Dimensions in mm

Connection variants



Connection point

M – Driver

F – Fixed point

Connection type

A – Threaded joint outside (standard)

I – Threaded joint, inside

In the standard version, the end connectors are mounted with the threaded joint outwards (**MA/FA**).
When ordering please specify the desired connection type (see ordering key on page 326).

Inside heights
150 – 370

Chain widths
250 – 1800

Types S/SX 5000, 6000, 7000

- **Type S:**
  Chainbands made of galvanized steel
  Type SX:
  Chainbands made of high-grade stainless steel
- **Available in 1 mm width sections**

WIDTHSECTIONS
1 mm

Dimensions and intrinsic chain weight

Type	$h_{i\ max}$	h_G	$B_{k\ min}$	$B_{k\ max}$
S/SX 5000	150	200	250	1200
S/SX 6000	240	300	300	1500
S/SX 7000	370	450	350	1800

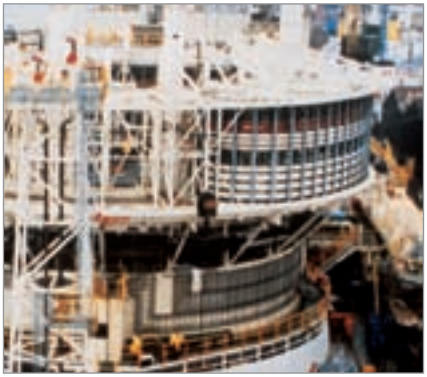
Larger dimensions and special designs are available on request.

Dimensions in mm

Bend radius and pitch

Type	Bend radii KR mm				
S/SX 5000	500	600	800	1000	1200
S/SX 6000	700	900	1100	1300	1500
S/SX 7000	1100	1250	1500	1800	2400

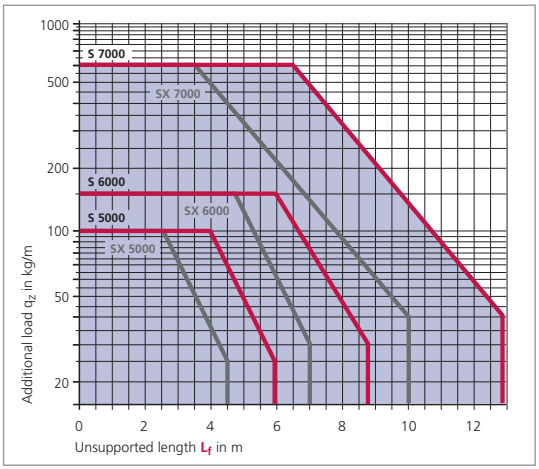
Pitch:
S/SX 5000: t = 200 mm
S/SX 6000: t = 320 mm
S/SX 7000: t = 450 mm



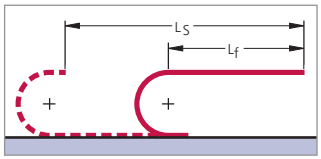
Types S/SX 5000, 6000, 7000

Load diagram

for unsupported length L_f depending on the additional load



Unsupported length L_f

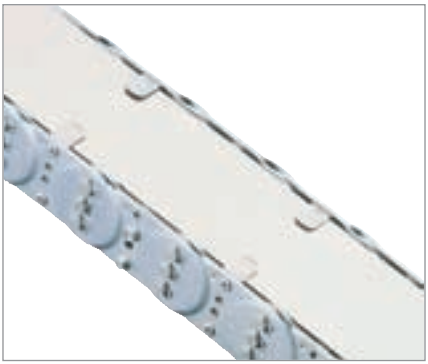


Determining the length of the cable carrier see page 38.

Design and ordering

Please contact us, we would be happy to advise you.

Steel band covers



Cable carriers made of rust and acid resistant spring steel strip can be supplied for protection of the cables against flying sparks, radiant heat and small chips.

- **Economically priced cover variant for half-stay version**
- Made of rust and acid resistant spring band steel
- Maximum steel band width: 1000 mm

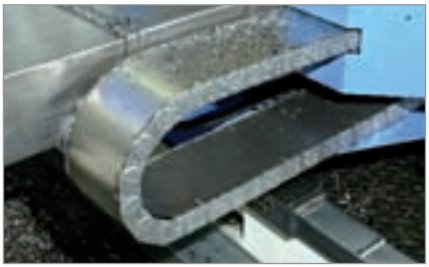
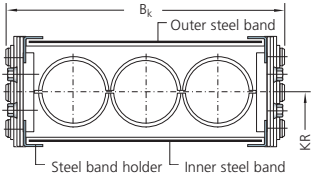


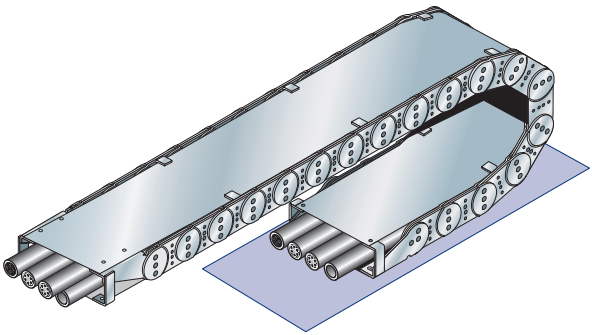
Table of dimensions

Type	Steel band length		Steel band width
	Outside steel band	Inside steel band	
S/SX 0650	L_k + 280	L_k + 130	B_k – 22
S/SX 0950	L_k + 360	L_k + 150	B_k – 27
S/SX 1250	L_k + 470	L_k + 170	B_k – 34
S/SX 1800	L_k + 640	L_k + 200	B_k – 40
S/SX 2500	L_k + 945	L_k + 255	B_k – 48



Steel band covers for the other series are available on request!

Dimensions in mm

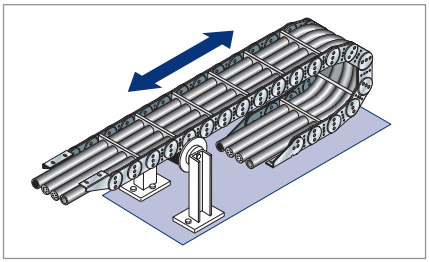


Fastening the steel band

■ Steel band holder on the sidebands.

■ Fastening to the chain connection with special end connector.

Support rollers – horizontal arrangement "with support"



- If the unsupported length of the cable carrier is exceeded, the upper trough can be supported by rollers.
- Instead of using a KABELSCHLEPP cable carrier with supports, we recommend that you use the next size up, provided that the installation conditions allow this.

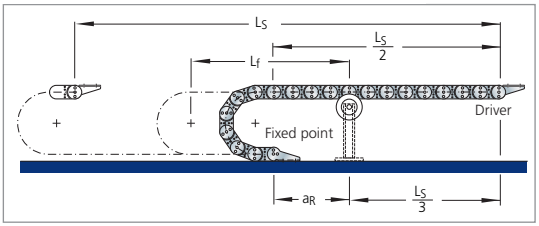
Arrangement of the support

Arrangement with a support roller:

when $L_S < 3\ L_f$ $\quad a_R = \frac{L_S}{6}$

The distance of the support to the fixed point in this arrangement is approx 1/6 of the total travel length!

Schematic illustration



Standard support rollers for Types LS/LSX 1050, S/SX 0650, 0950, 1250, 1800

- Economically priced standard support rollers in light-weight design
- Long service life due to ball-bearing rollers
- Optimized installation width
- Only for use with two-band chains

Support rollers with reinforced design for Types LS/LSX 1050, S/SX 0650, 0950, 1250 and 1800

- Solid design for extreme loads
- Long service life due to ball-bearing roller
- Also suitable for multi-band chains
- With hard manganese wear protection for type S/SX and applications with high loads
- Also available in stainless steel version

Fon:
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