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# Brevetti Stendalto

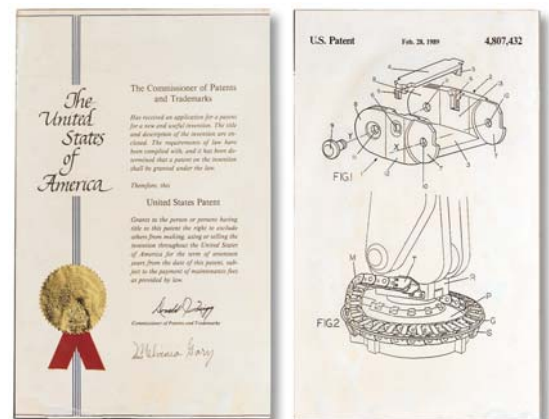
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In the 60's things changed, - also the way of manufacturing, the magic word became "Automation" as the equipment and machines started to operate based on new concepts, which required a new generation of dynamic cable protection. Mr. Giovanni Mauri, (president and founder of Brevetti Stendalto) captured this new demand, he designed and started to propose Nylon cables chains in alternative to old style steel cable chains, which were too heavy and expensive for most of the new modern automation equipment and machines.

From those days, Brevetti Stendalto's cables chains are used for dynamics cables protection on all kinds of equipment around the world.

The continuing evolution of Brevetti Stendalto has brought: a wide range of cables chains for all kinds applications, international patent for Robot circular chains in 1988, ISO 9001 qualification, branches in France 1998 and Germany 1999, new modern facilities in Monza, Italy and a consolidation of our international sales net in all industrialized countries.



1989  
Patent for the circular nylon cable chain.

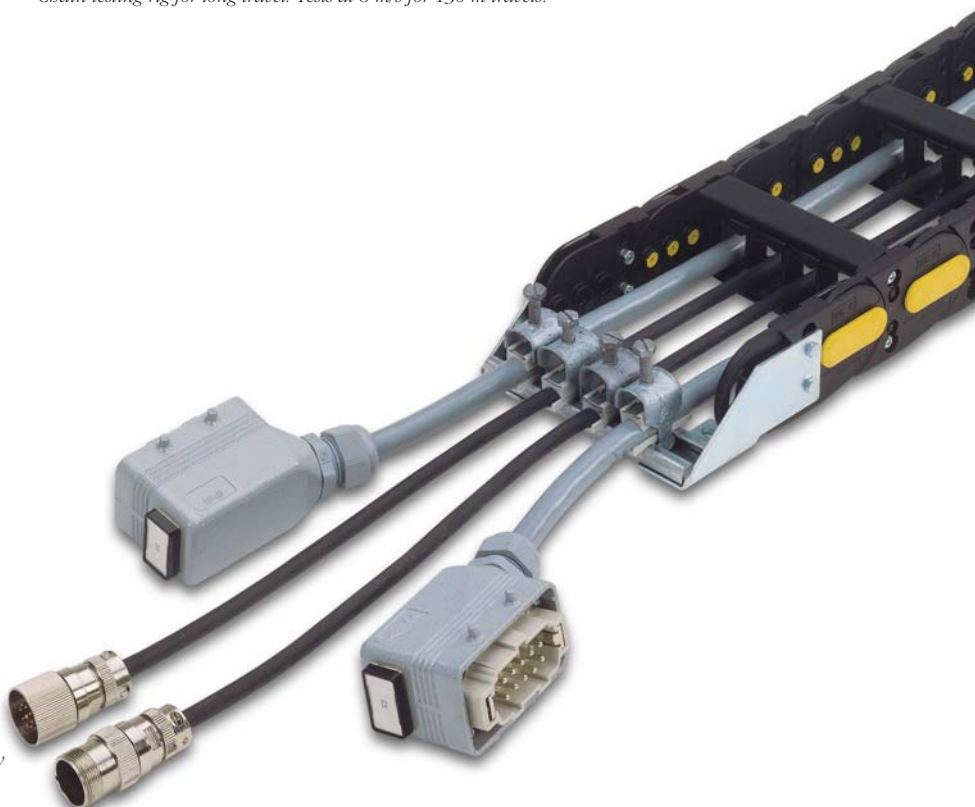
Today's Brevetti Stendalto is projecting its future in two main directions; large cable chain projects and problem solving supply. For large cable chain projects, Brevetti Stendalto is approaching a leading position in this sectors with increasing demand, as offshore platforms and harbour crane equipment.

To give an idea of what technological wise is reached for such applications, where the dynamic power supply heavily determine the entire project, Brevetti Stendalto's test rig, tests the cable chains at a constant speed of 8 m/s for 130 m travel.

With regards to "Problem solving supply" , Brevetti Stendalto is offering a new supply concept; cable chains completely finished with cables and connectors. For the customer it means reduced assembling and installation time, reduction of possible problems, which again express the philosophy of Brevetti Stendalto: Free to project.



*Chain testing rig for long travel: Tests at 8 m/s for 130 m travels.*



*Chain complete with cables and connectors: Plug & Play solution.*



# Versatile Automation

1



*Production moulds are manufactured using modern CNC machine-tools.*



Each aspect of production, whether it be the preparation of moulds and their subsequent shaping or component manufacture and assembly, is monitored closely.

The Company endeavours to adopt the most up-to-date technology available. Considerable resources are invested into this, ensuring the highest standard of products on the market. Production moulds are manufactured using modern CNC machine-tools.

Mould of Light series cable chain.

Brevetti Stendalto manufacturing process (internal moulding department and complete automated assembly lines) ensures quality and short delivery times.

Complete automated assembly lines ensure a high standard of quality chains.

## Products

**Nylon cable chains**

**Steel cable chains**

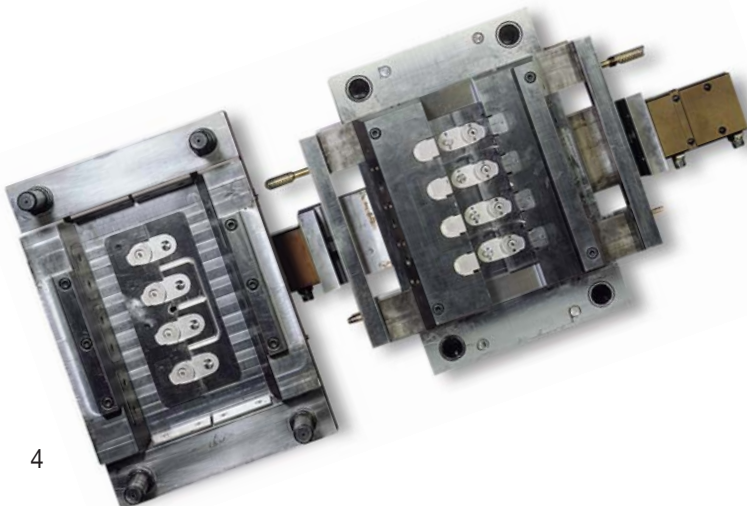
**Cable chain cables**



*Completely automated assembly lines ensure a high standard of quality chains.*



*Production moulds are manufactured using modern CNC machine-tools.*

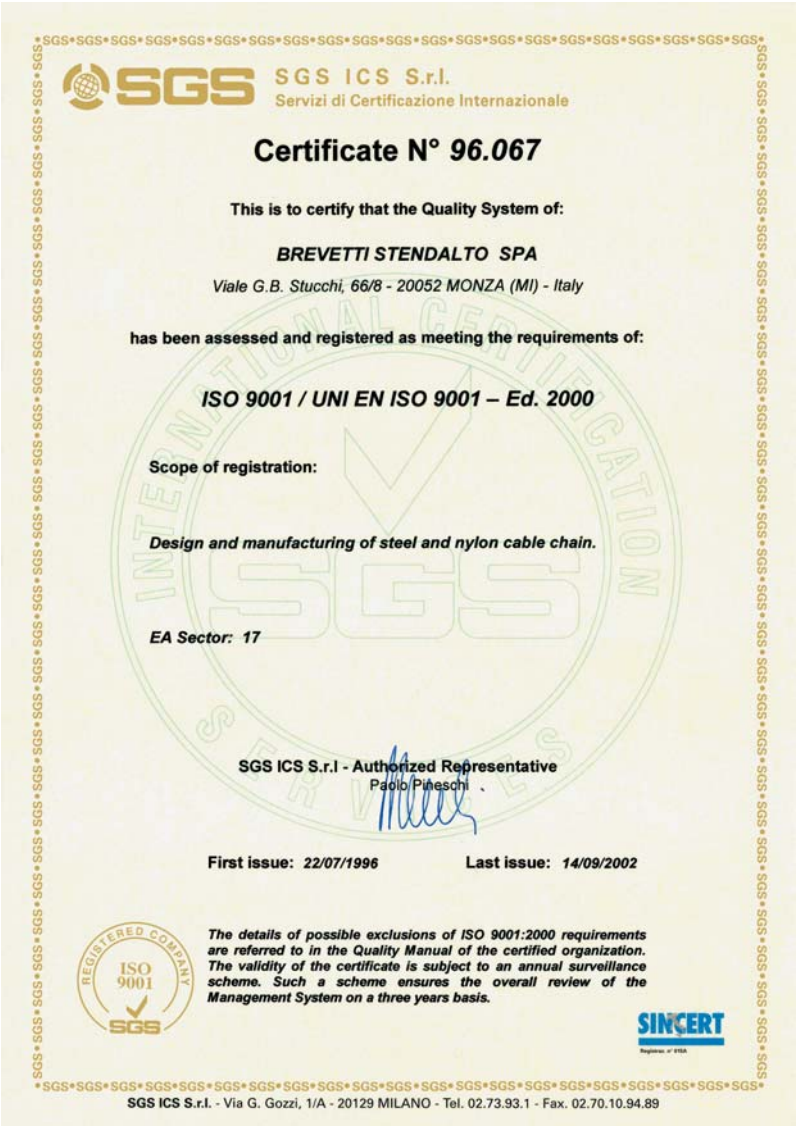




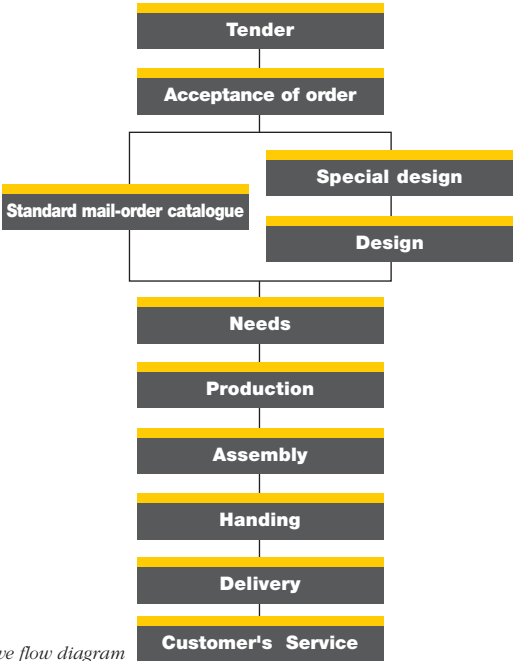
# UNI EN ISO 9001:2000

In Brevetti Stendalto the quality is a result of our activities.  
To be a success and reference company Brevetti Stendalto strives for:

- full satisfaction of our customers ever increasing requests.
- continuing improvement of our company capacities.
- valorization and improvement of our human recourses.
- involvement of all our staff in striving for quality assurance.
- careful selection of suppliers and involvement of these in our quality process.
- standardization of production, to assure competitive products.
- innovative products to meet the markets ever increasing requests.
- fast assistance to guarantee the customers reduced breakdown time.



Certificate  
UNI EN ISO 9001:2000



Operative flow diagram

# The Way to Automation

1

Past experience acquired in the marketing of machine tools has prompted Brevetti Stendalto to diversify its proposals. Today, thanks to products from Brevetti Stendalto, present day problems in cable and tubing protection are solved in the best possible way.

Our products can be found in many applications, especially in the field of automated production, for example in industrial robots and machinery for crafting metal, wood and stone.



*Welding robot equipped with nylon chains.*



*Steel chain BS 3000.*



*SR 318 for long travel distance on a crane application.*



*Machine tools equipped with Heavy series cable chains.*



*Circular nylon chains on welding robots.*



*Welding robot equipped with a nylon cable chain type SR510 and guide support.*

Brevetti Stendalto products are used in many, very different, fields of application. We have experience ranging from packaging & automated handling, storage and transportation to providing solutions used in all fields of engineering like mining, offshore drilling, building, in steel works, ports and terminals.

We are always close to our Clients. Our distribution network, consisting of manufacturing plants, sales companies and warehouses, is spread across the entire world.



*BS 3500 steel chains with supporting frame applied to De Icing's equipment at München airport (Germany).*



*SR310 plastic chains and BS4500 stainless steel chains applied to "Oresund Bridge" between Sweden and Denmark.*



# Always Available

1



*All cable chains are studied with the support of CAD-CAM systems.*

Each Client is important to Brevetti Stendalto regardless of the needs and the size of his request. Brevetti Stendalto offers professional support for assessing the Client's needs, consultation inherent to the choice of products, design of new products, design of a new product and visiting *client* installations.

## Technical Office

Competence and availability are the key words in technical assistance.

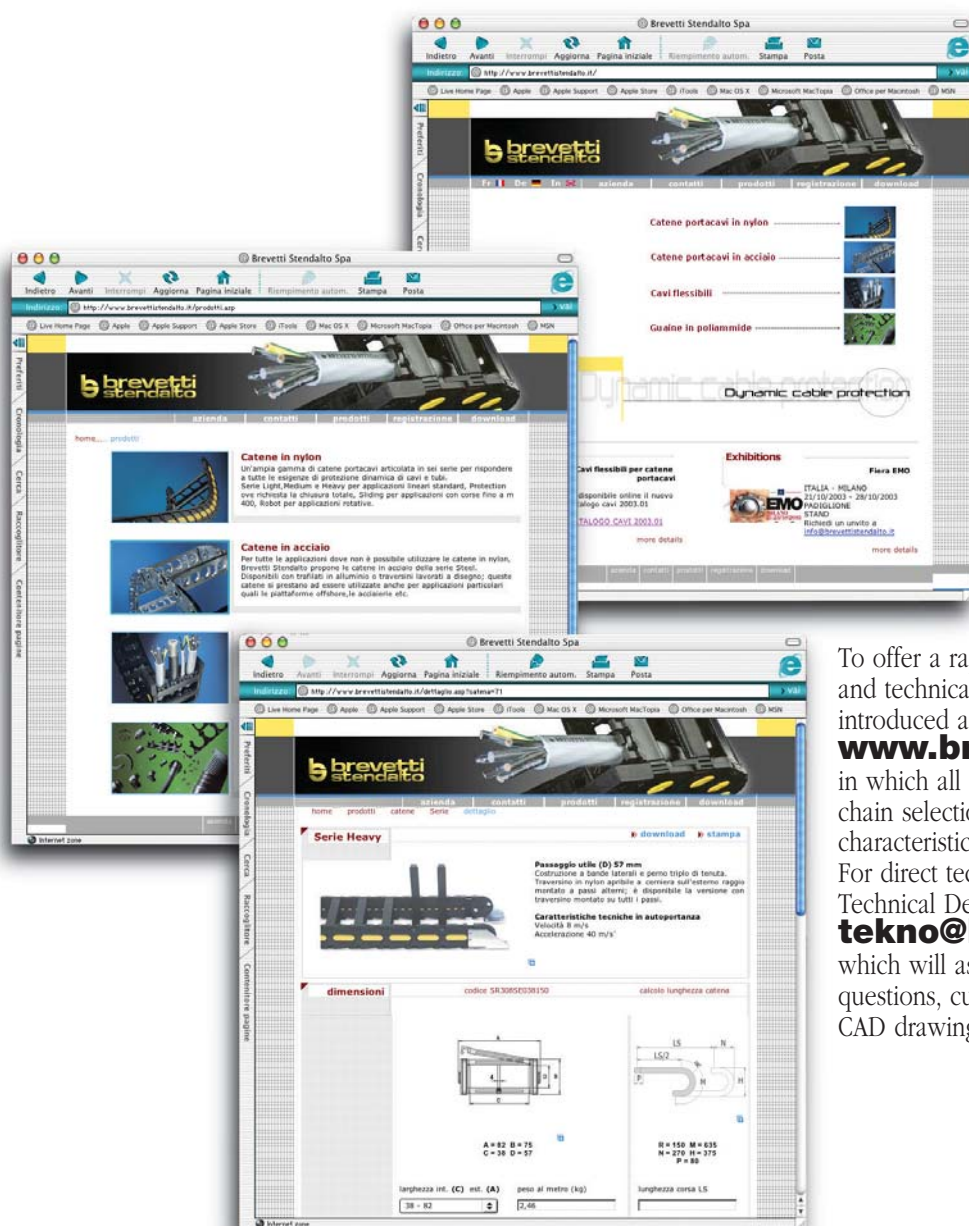
All technical needs and installation characteristic requests are carefully evaluated and verified with the support of informatics and CAD-3D projection that will solve the problems as they arrive.



*Computerised stock management and control system ensures short delivery times.*



*Brevetti Stendalto's technical office is the reference-point for information.*



To offer a rapid and always updated commercial and technical information, Brevetti Stendalto has introduced a new web-site

**www.brevettistendalto.it**

in which all necessary info is available for fast chain selection and easy downloads of chain characteristics.

For direct technical support, please contact our Technical Dept. at

**tekno@brevettistendalto.it**

which will assist you with specific technical questions, customized chain solution, CAD drawings, etc.

*Brevetti Stendalto is always close to customers, ensuring assistance from project analysis up to final installation and after sales support.*







ROBOTS  
E-1000

R 150

ROBOTS  
E-1000

ROBOTS  
E-1000





# Technical Information

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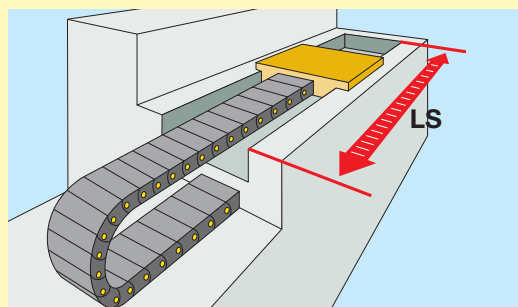
# Necessary Data to Determine the Type of Cable Chain

The choice of cable chain should not only be based on a mathematical calculation of certain factors but should consider and analyse carefully all the available data. The following information will be provide a basic help in making the right decision.

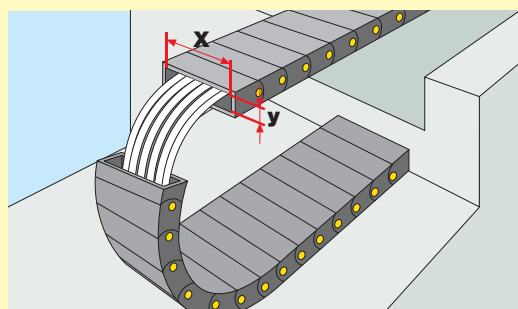
Thanks to thirty years of experience in this sector we have a highly competent technical staff which is at your disposal to help solve any problem relating to the use of cables in any kind of application.

To request a personalised project please fill out the form found on page 179. It will be a pleasure for us to find an immediate solution to your problem.

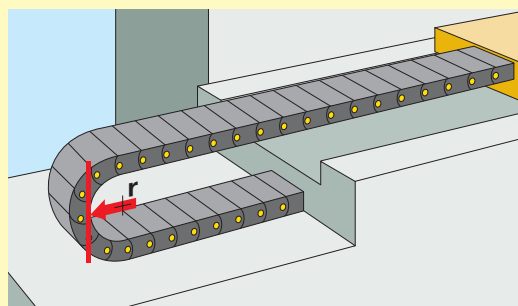
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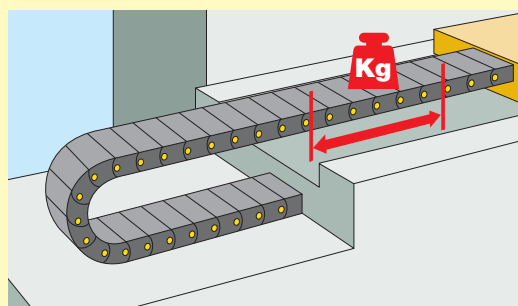
Determining the length of the travelling distance LS.



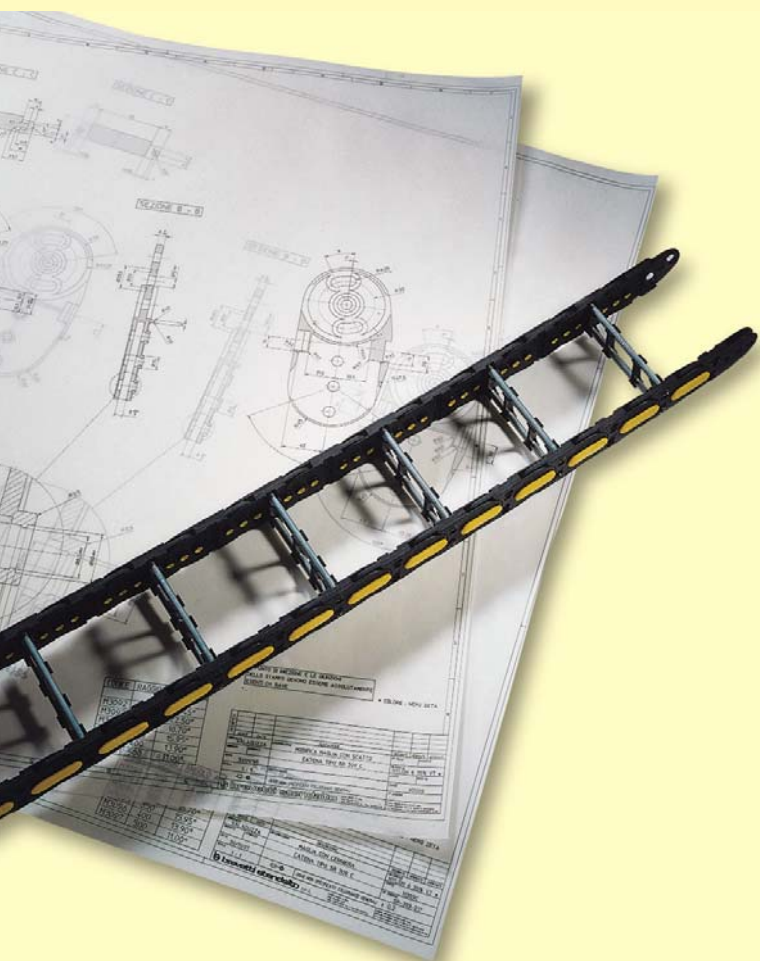
The dimensions of the cable chain in relationship to the dimensions of cables/hoses.



Determining the radius of curvature of the cable chain in relationship to the flexibility characteristics of cables/hoses.

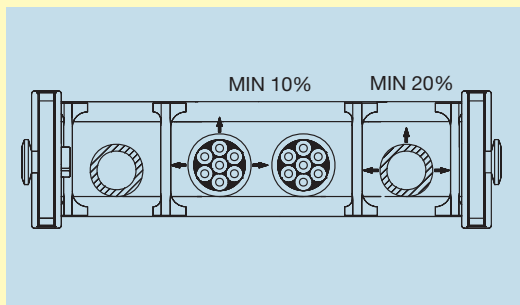


Verifying the self-supporting capacity of the cable chain in relationship to the weight per metre of cables/hoses.

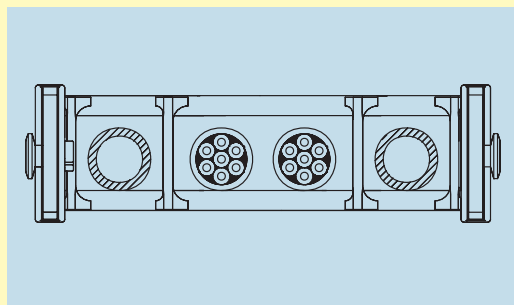


# Placement of Cables/Hoses in the Cable Chains

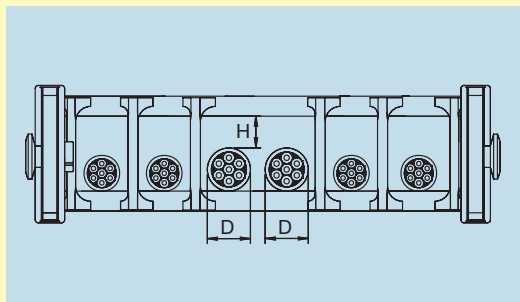
To guarantee that cable chain functions properly and to avoid any damage to the cables/hoses within, certain criteria concerning the placement must be followed:



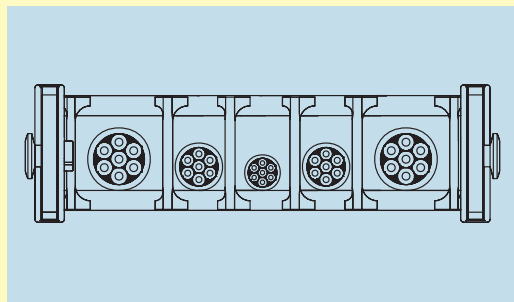
For electric cables a clearance of at least 10% between the placement of the cable and its diameter has to be guaranteed; for hydraulic hoses the clearance should be at least 20%.



Avoid placing cables/hoses that have different sheath finishes so that friction can be eliminated. (e.g. hydraulic cables and hoses).

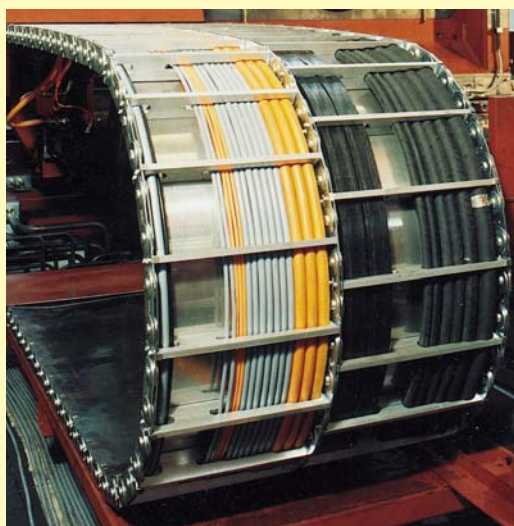


In the application of several cables/hoses it is preferable to avoid them rubbing each other by placing them singularly in the appropriate space and separating them from each other by the separators. If this is not possible, verify that the internal space does not allow the rubbing of the cables/hoses. ( $H < D$ ).



Place cables/hoses in a symmetrical way according to their dimensions and weight placing the largest and heaviest externally and the smaller and lighter internally.

For further information on how to install cables/hoses see page 176.



A BS3000 chain in steel with three bands and separations between electric cables and hydraulic hoses..

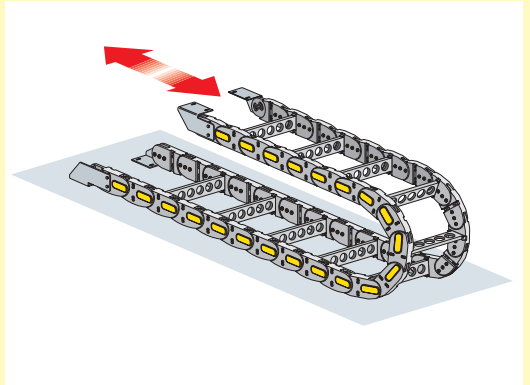


# Mounting Variations

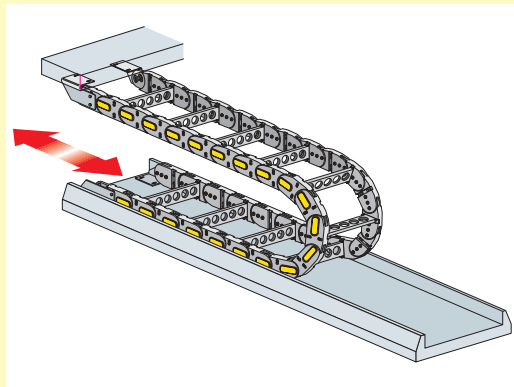
## Chains Placed Horizontally

Brevetti Stendalto chains, thanks to a large range of models and versions, satisfy many requirements in variety and combination of motions. On this page the various combinations of mounting are listed.

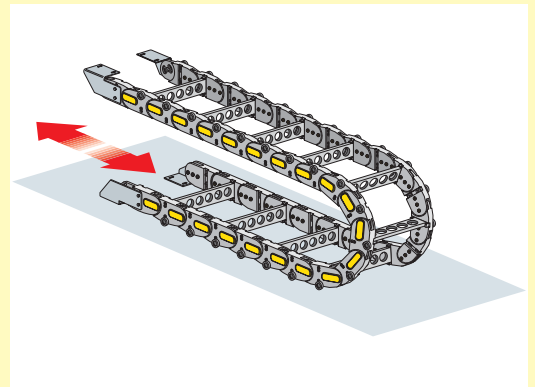
For further information about realising a personalised project please contact our technical department. They are at your disposal to resolve any specific problems you may have and can design according to your particular request.



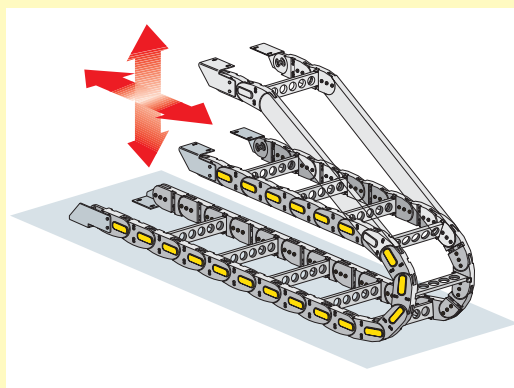
*Horizontal with mobile point above.*



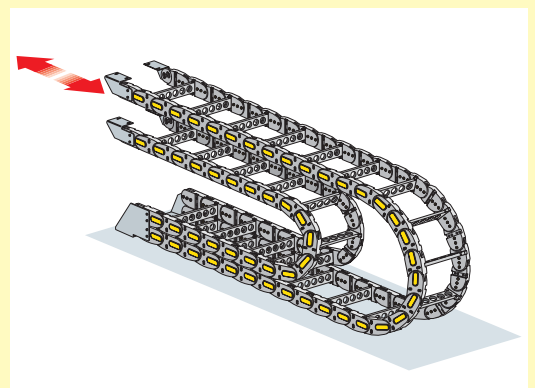
*Horizontal with mobile point below  
(to the car).*



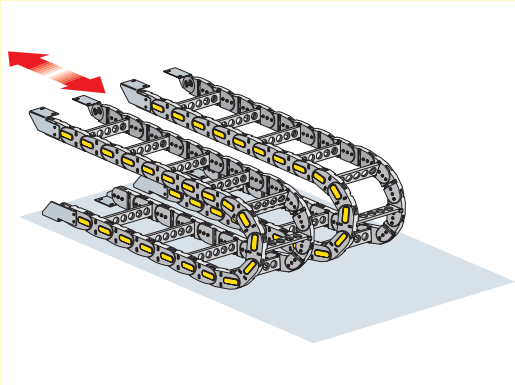
*Horizontal with mobile point below.*



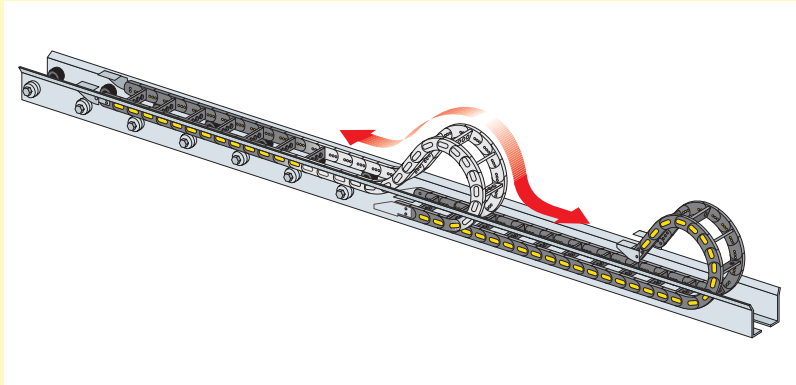
*Combination of both vertical and horizontal movement.*



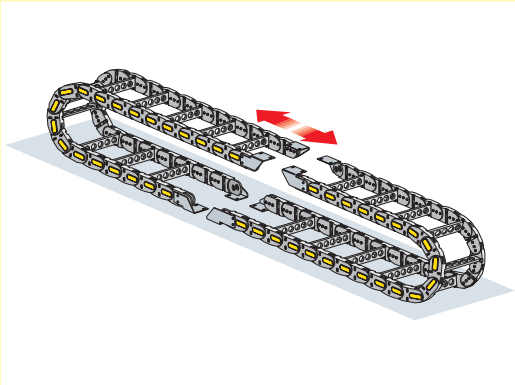
*Superimposed chains.*



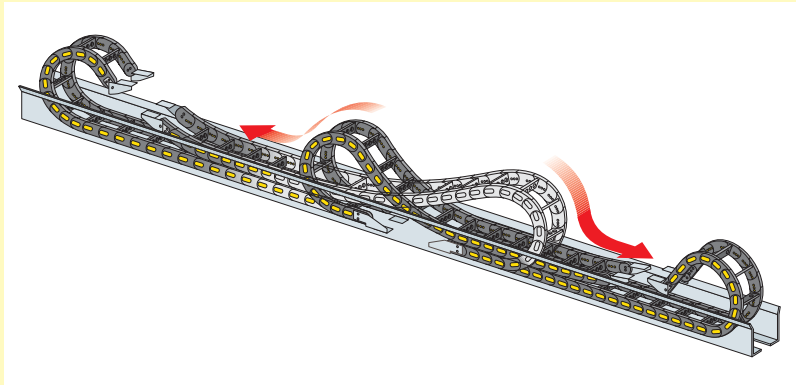
*Chains positioned in parallel.*



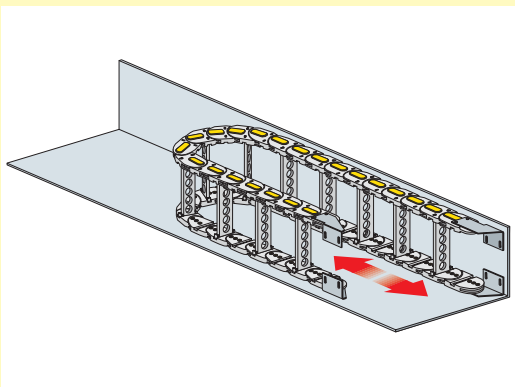
*Long horizontal - 1 chain  
(see page 22).*



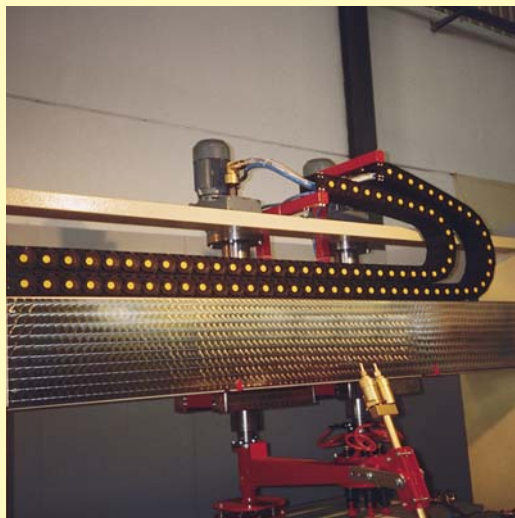
*Chain making a ring configuration.*



*Long horizontal - 2 chains  
(see page 22).*



*Horizontal with chain mounted on its side  
(see page 21).*

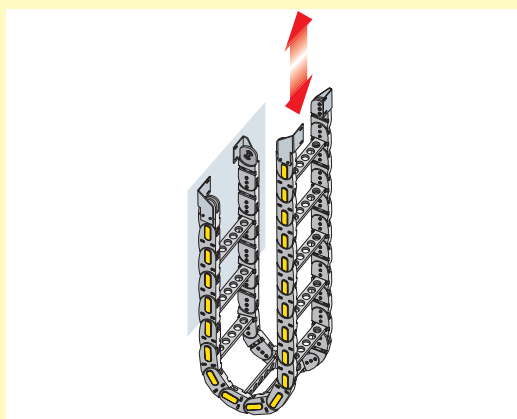


*Model SR700  
chains in nylon  
superimposed on a machine  
which works with marble.*

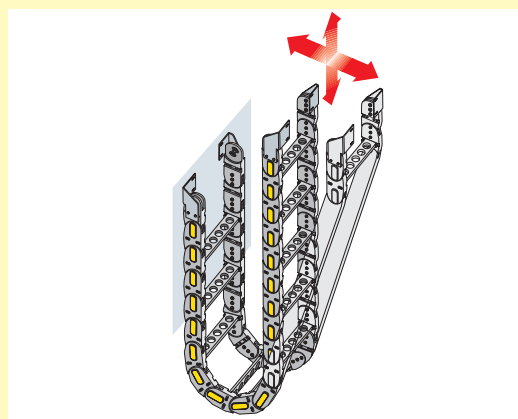
# Mounting Variations

## Chains Placed Vertically

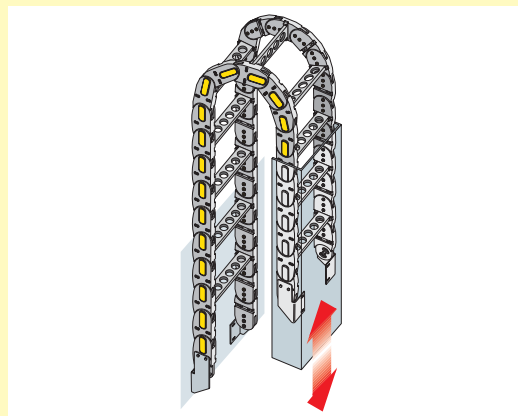
Brevetti Stendalto chains also provide answers to problems concerning vertical motion. Thanks to their particular design Brevetti Stendalto cable chains can also be used in applications with extremely long travel distances.



Vertical with curve below  
(see page 20).



Combination of both vertical and horizontal movement.



Vertical with curve above  
(see page 20).

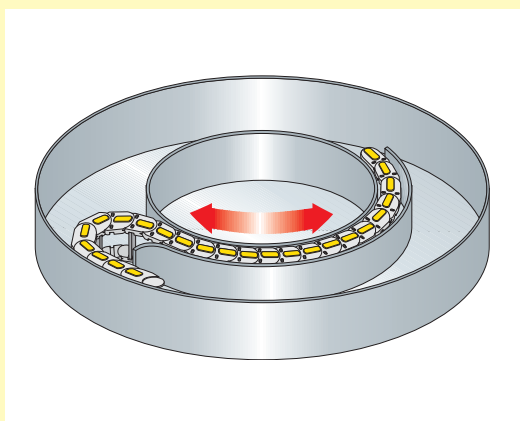


SR355 vertical with curve  
below nylon chain on  
machine tool.

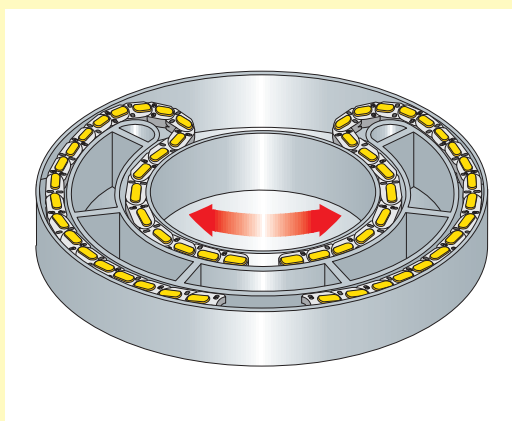


## Chains with Circular Motion

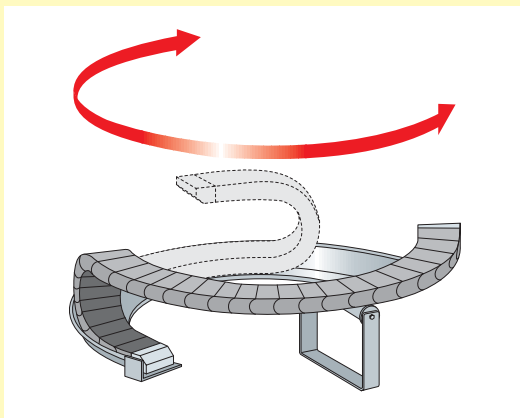
The problems regarding circular motion are easily resolved with the chains from the ROBOT series, an exclusive Brevetti Stendalto product. It is also possible to use the chains in counter-rotation configuration by mounting them on their side.



Chain for circular movement - 1 chain  
(see page 26).



Chain for circular movement - 2 chains  
(see page 26).



ROBOT type chain for circular motion.  
(see page 28).



Robot for welding with chains  
in nylon.

# Going Further

A fundamental element in cable chains is the pre-set (Fig. A).

This determines the self-supporting capacity, a characteristic which allows the cable chain to support not only its own weight, but also the weight of the cables/hoses placed in it and to keep its parallel or slightly curved upward position (Fig. B).

The diagram of self-supporting capacity (Fig. C), indicates the weight relation of cables/hoses per linear meter to the lengths of self-supporting chain travel. The red-area indicates the difference between min/max chain widths, while the widest version has the lowest self-support capacity.

With the application of cable chains with  $\frac{LS}{2}$  and weights not included in the area of the diagram of self-supporting capacity, it's necessary to use the appropriate support rollers (see page 30), in order to confirm chain reliability in exceptional applications.

Brevetti Stendalto chains, thanks to their specific construction, reach remarkably high values of self-supporting capacity and acceleration with long periods of motion, reaching millions of cycles. For particular applications (e.g. vertical travel), the chains can be provided without pre-set.

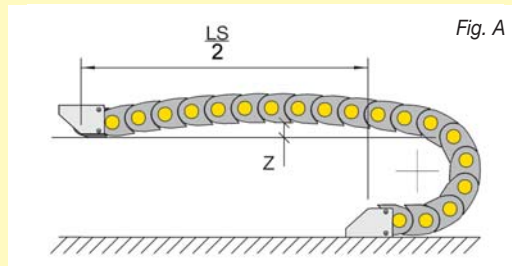


Fig. A

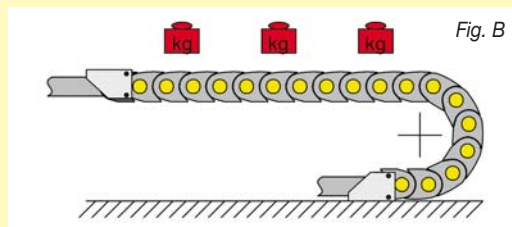


Fig. B

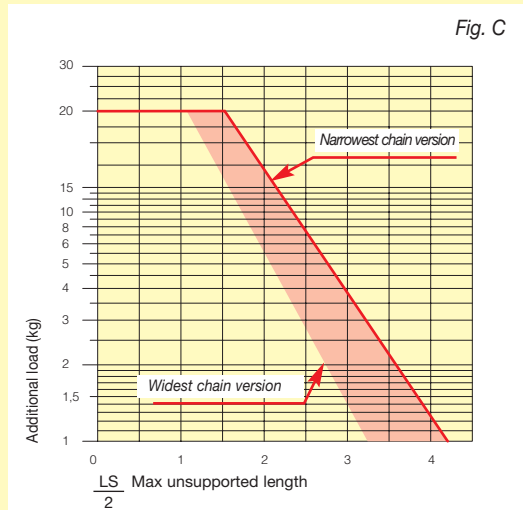


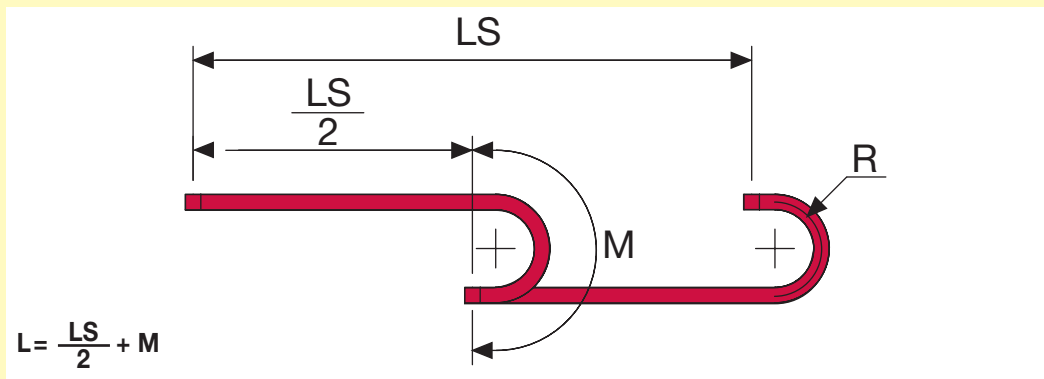
Fig. C



Nylon chain, type SR310, in a self-supporting state.

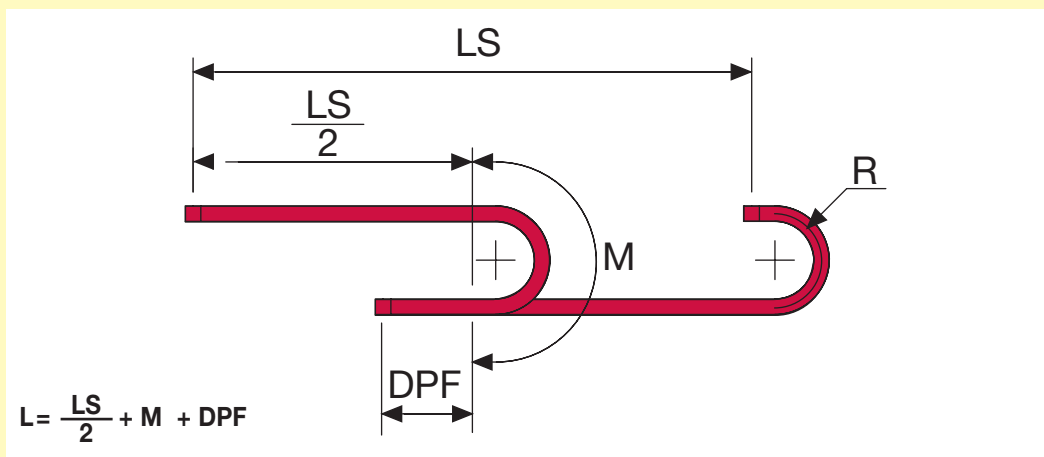
# Determining the Chain length

## Fixed point at the centre of total travel.



The chain length (**L**) is calculated by summarising the half stroke  $\frac{LS}{2}$  to the nominal value (**M**) of the bending radius.  
The value is then rounded up the multiply of the chain's pitch for nylon cable chains and to an odd multiply for steel chains.

## Fixed point not positioned at the centre of total travel.



The chain length (**L**) is calculated by summarising the half stroke  $\frac{LS}{2}$  to the nominal value (**M**) of the bending radius and the distance (**DPF**) from fixed point to centre of total stroke.  
The value is then rounded up the multiply of the chain's pitch for nylon cable chains and to an odd multiply for steel chains.

Where:

**L** = Length of chain

$\frac{LS}{2}$  = Half travel distance

**M** = Length of curve  $(\pi \times R) + (2 \times P)$

**DPF** = Distance from fixed point to centre of total stroke

**P** = Pitch

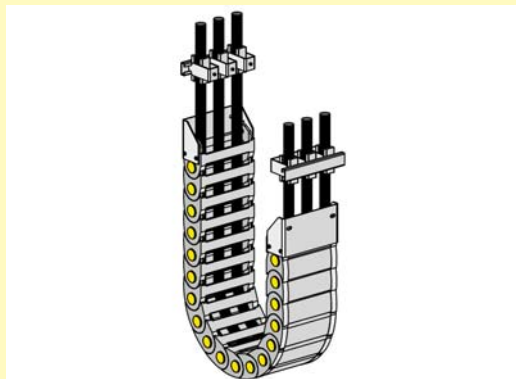


# Going Further

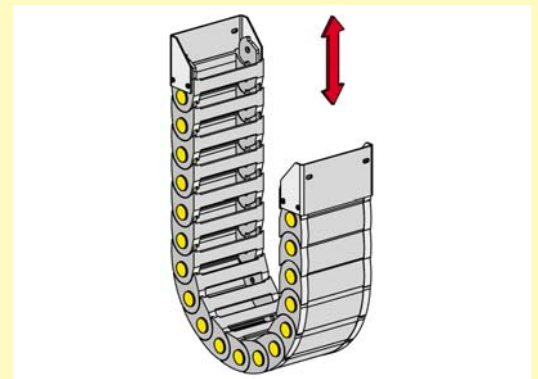
## Vertical Applications

The problems related to vertical applications are solved by using Brevetti Stendalto cable chains. It is however necessary to respect the following:

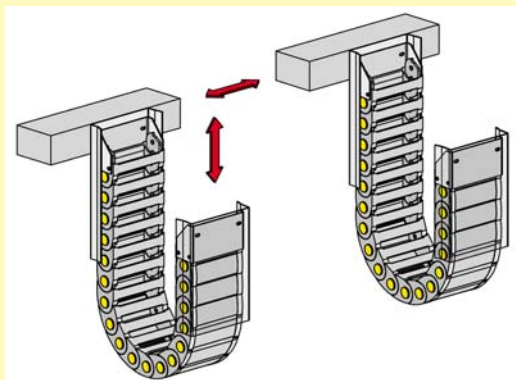
The use of standard cable chains for vertical applications could result in difficulties due to the pre-set. we therefore recommend to specify: “without pre-set for vertical applications” when ordering. By doing this the cable chain will be delivered to you without pre-set.



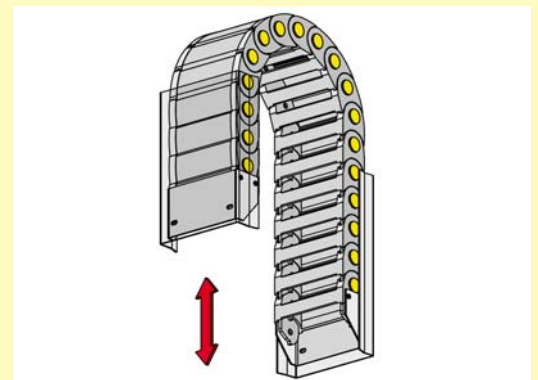
The placement of the cable/hoses is very important to ensure the application works properly. Cables/hoses have to be fixed at both ends using the appropriate accessories so as not to make their weight disturb the cable chain. In this type of application the cable chain should only guide the cables/hoses during their movement.



If the application only concerns one vertical movement the cable chain does not need any particular support.



If the cable chain also moves across and/or longitudinally, certain measures have to be taken laterally. For special applications, frames with completely closed guiding systems are available.



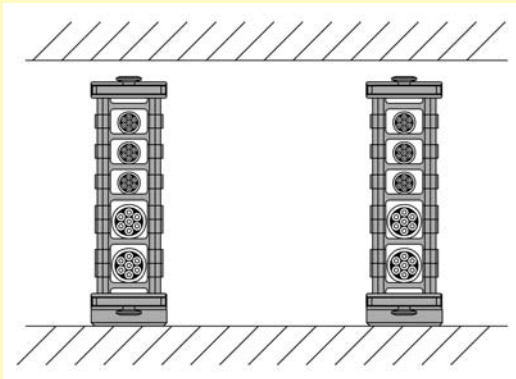
When applying the cable chain in this way some support is needed to avoid the chain to unbalance itself outwardly. Generally the cable chain must be supported both on the fixed and mobile points.



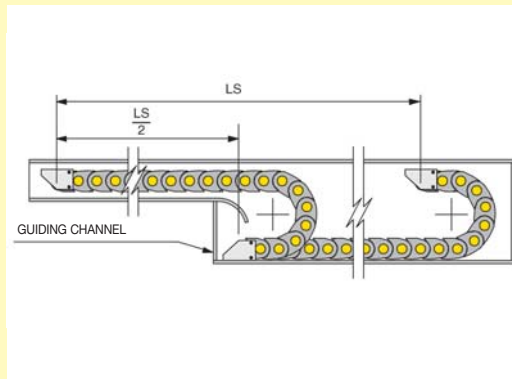
# Going Further

## Horizontal Applications on Their Sides

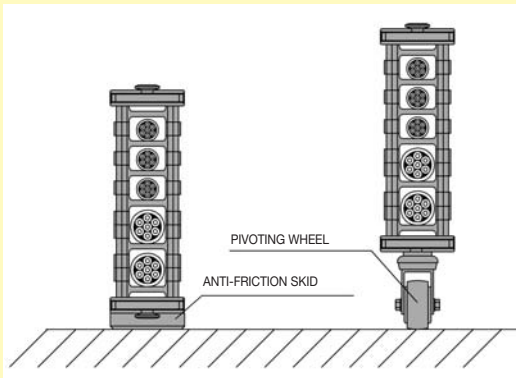
Brevetti Stendalto cable chains can be mounted on their sides.



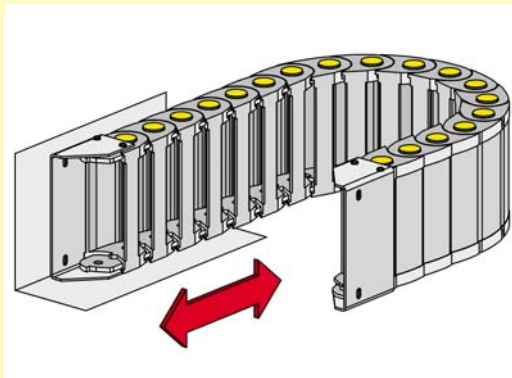
*This kind of mounting becomes necessary when there is a limited space upwards and mounting the chain normally would take up too much space.*



*For particularly long applications a guiding channel can be designed.*



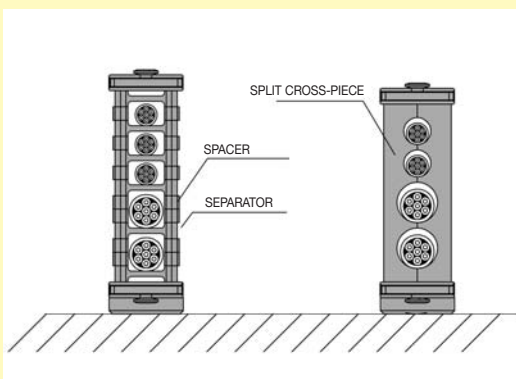
*To make the movement easier and to reduce any friction on the cable chain, special changeable anti-friction skids or pivoting wheels have been designed.*



*If there is no possibility for a plane to support the cable chain during its movement, Brevetti Stendalto chains can be applied without support taking into consideration the following factors:*

- total travel distance  $LS$
- added weight
- velocity and acceleration
- frequency of usage

*For this kind of application, it is recommended to discuss with our technical office.*



*Particular attention should be drawn to determine the section of the cable chain, in fact, the mounting on its side of the chain means that cables/hoses have a tendency of bunching towards the ground and being squashed.*

*To avoid this, there are special spacers which are positioned between the separators or otherwise special split aluminium or PVC cross pieces to be applied.*

# Going Further

## Long Horizontal Travel Distance

Cable chains are used more frequently on long travel distances as a valid alternative to the traditional systems of conductor bars or to festoon systems, and offer the following advantages:

- The possibility of the combined transportation of hydraulic cables/tubes.
- The possibility of use also in critical environments (humidity, textile dust, negative chemical and atmospheric components etc.).
- High velocities and values of acceleration.
- Notably shorter installation times.
- Drastic reduction in the time taken for maintenance.

Sliding series is the integrated sliding skid which permit the chains to slide on themselves reducing the friction due to the special polymers used.

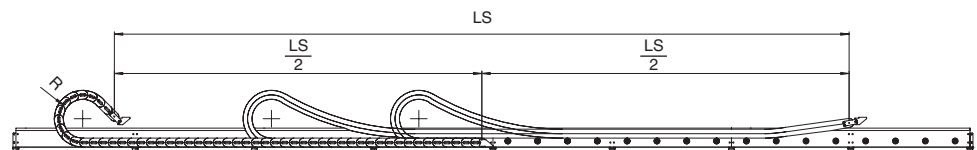
The dimensions of the skid allow the chain to keep itself stable in applications with high velocities.

On request it's possible to produce cable chains with special polyamides for applying in particularly aggressive environments.

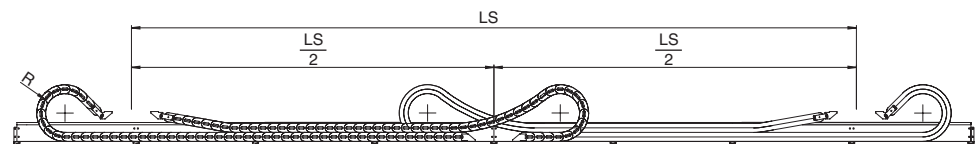
The triple pins guarantee more reliability and strength even in applications with the added weight being very high. The chains in the Sliding series have been tested using torsion, wear and tear tests passing the tensile yield stress with extremely good results, above high normal values (e.g. SR318 21000 N).

The special aspect of the cable chains in the

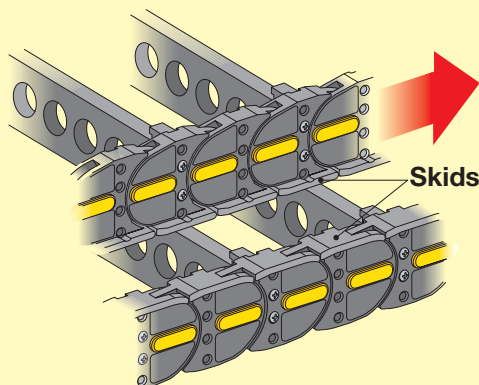
*In these applications, the chain without self-supporting capacity, slides in it's own guiding channels. For the first half of the travel distance the chain slides on itself, whilst in the second half it is supported by it's own rollers or plates for sliding.*



*In double chain applications, the chains slide on themselves in both directions.*



*A particular of the skid in the sliding of the chains in the Sliding series.*







SR318 type chain.



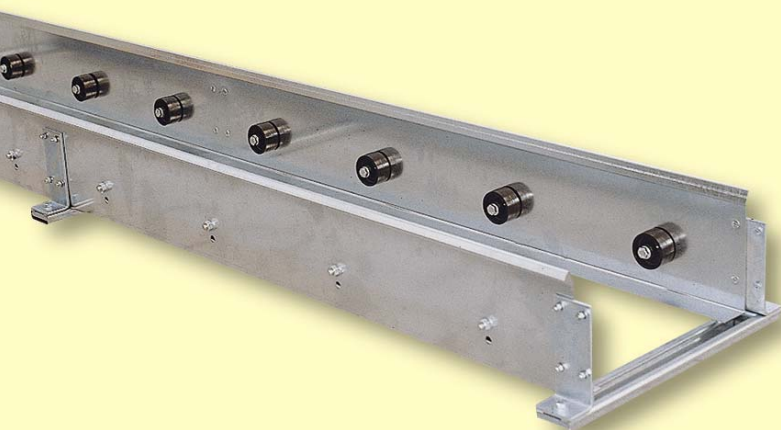
SR318 type chain.

# Going Further

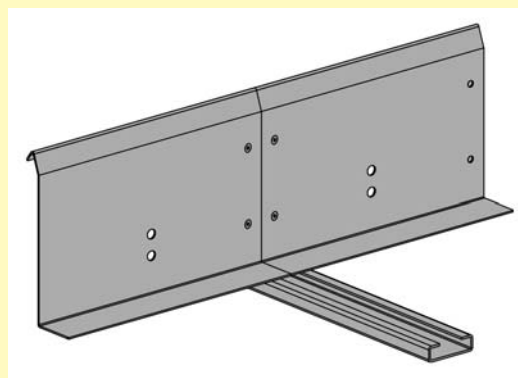
## Guide Channels for Sliding

For good results when using cable chain in an application with a long travelling distance it is necessary to respect the following instructions when installing the guide channel for sliding:

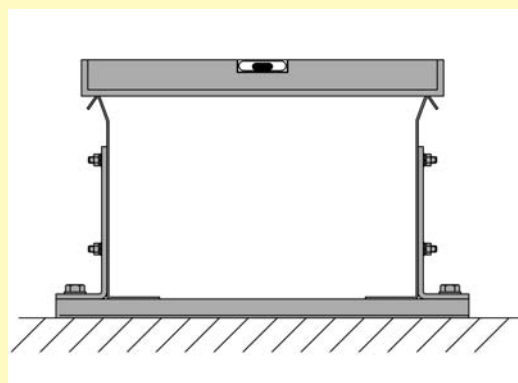
2



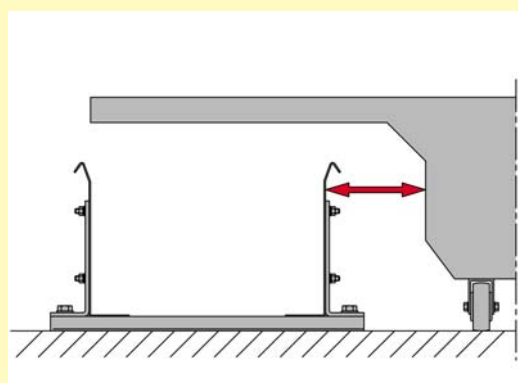
Guide channel for chains of the Sliding series.



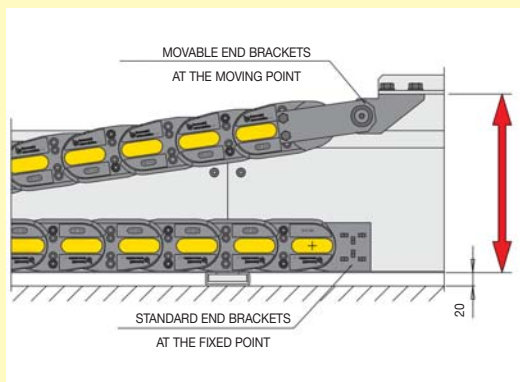
Verify that the sides are aligned properly to avoid any internal edges in the guide channel which could disturb the cable chain's route.



Verify that the plane on which the guide channel for sliding is mounted is perfectly aligned and smooth.



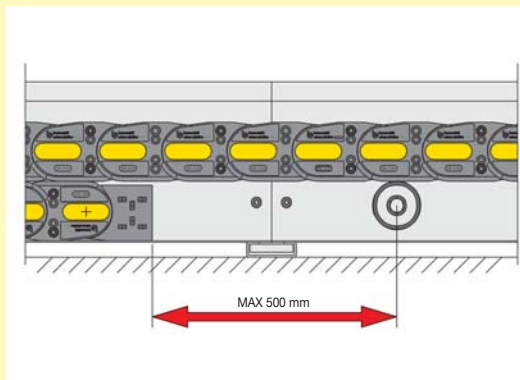
Verify that the distance between the guide channel for sliding and the towing arm is the same for the whole travelling distance.



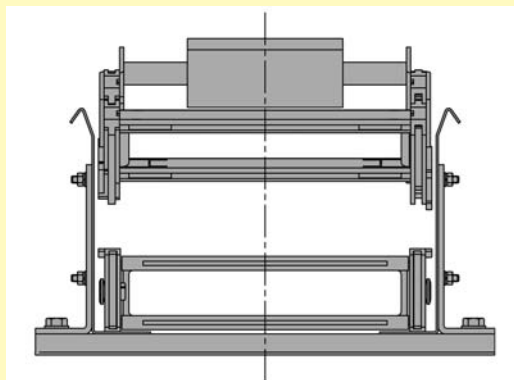
Install the cable chain with the standard end brackets at the fixed point and with the movable end brackets at the moving point respecting the height listed in the catalogue.

## How to Install the Cable Chains in the Guide Channel

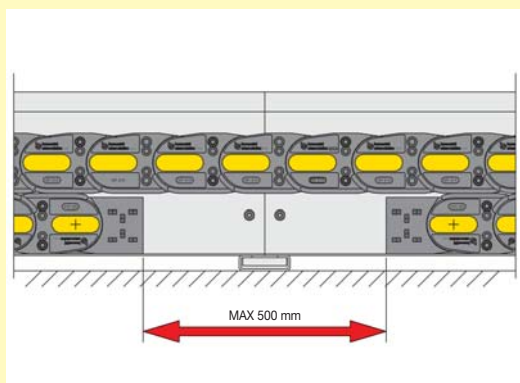
For a perfect installation of the cable chain in the guide channel you should take the following steps::



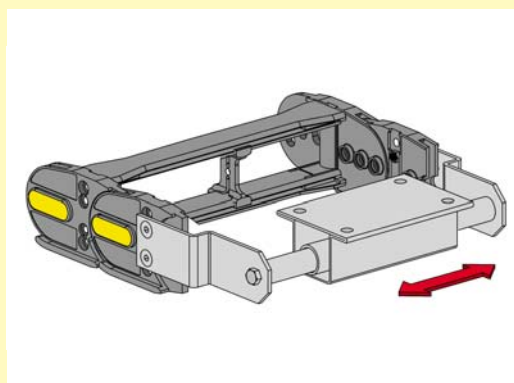
Reduce as much as possible the distance between the fixed point of the cable chain and the starting point of the rollers or sliding plane.



Install the mobile point of the cable chain aligning it exactly to the longitudinal travel distance in such a way so that during its movement it does not touch the internal part of the guide channel (Fig. A).



In the case of a double chain application ensure that the distance between the two fixed points doesn't exceed 500mm.



To facilitate this operation Brevetti Stendalto has developed and created a special movable end bracket which guarantees a perfect alignment between the chain and the towing arm (Fig. B).

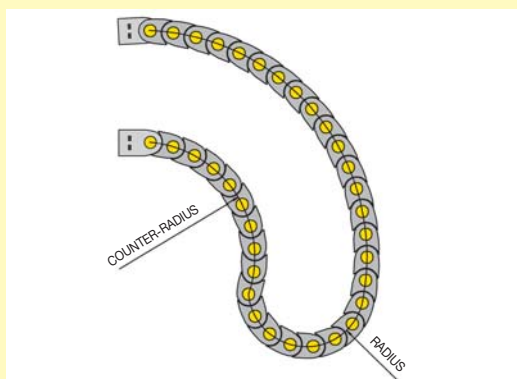


# Going Further

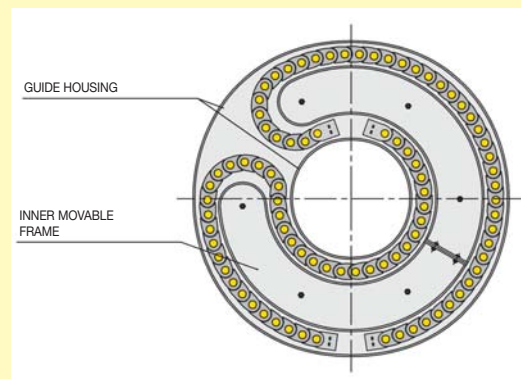
## Rotating Horizontally

For certain applications it necessary that the cable chains perform an opposite movement from that determined by the radius of the curvature (counter-radius chains). All Brevetti Stendalto chains, except those from the

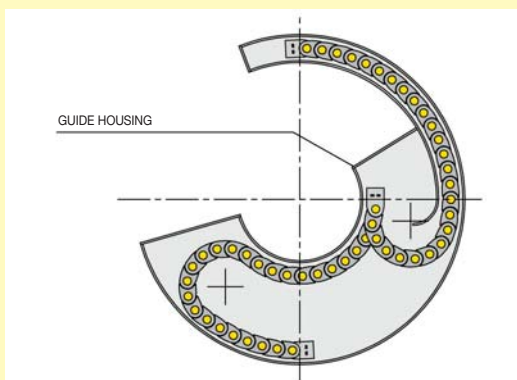
PROTECTION series, can be supplied with this counter-radius. Generally the chains with counter-radius are used to resolve the problems relative to rotations where, in this case, it would not be possible to use cable chains from the ROBOT series.



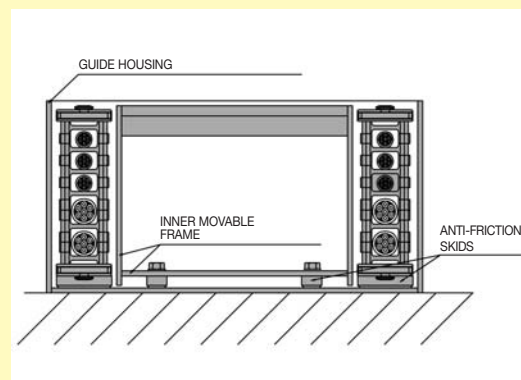
With the use of counter-radius chains it is possible to create rotations both on small and large equipment (e.g. parabolic antennas, rotating tables, cranes, telescopes).



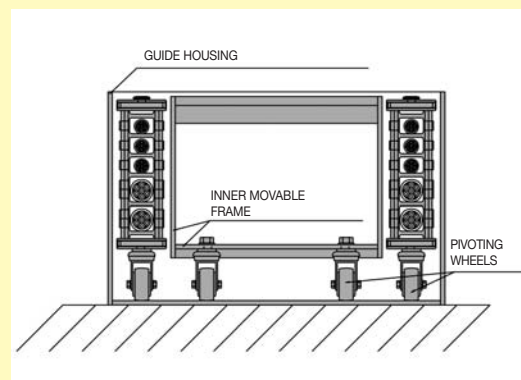
For applications with rotations over 180° it is necessary to use two cable chains. For a correct usage they should be guided both internally and externally. A special inner movable frame, mounted on anti-friction skids or pivoting wheels in combination to the guide housing guarantees the rotation.



For applications with rotations up to 180° it is possible to use only one cable chain. For a correct usage it should be installed with a guide housing.



To facilitate the sliding and reduce the friction of the cable chain, special changeable skids or pivoting wheels are taken into account. With this kind of application it is also possible to rotate vertically. Seen the particular aspects of these applications we advise you to contact and consult our technical office.



## Application of Horizontally Rotating Chains

Chains can reach a maximum rotation of  $540^\circ$ .  
For a correct usage they should be guided both internally and externally.



*Application with 2  
superimposed chains.  
Rotation  $180^\circ$*



*Application with 2 chains.  
Rotation  $370^\circ$*

## Rotation with ROBOT Type Chains

In its continuous technological evolution, Brevetti Stendalto has revolutionised since 1989 the concept of circular chains introducing the chains from the “ROBOT” series that, due to the particular construction of the links, permit them to rotate up to  $540^\circ$ . During the long course of technical experience, applications with rotations up to  $600^\circ$  per

second have been developed. The chains from the “ROBOT” series, like all Brevetti Stendalto chains, can be modified for work in special applications.

When the use of one cable chain is not sufficient to contain all the cables/hoses it's possible to use several chains in the same application to increase the space to hold them.

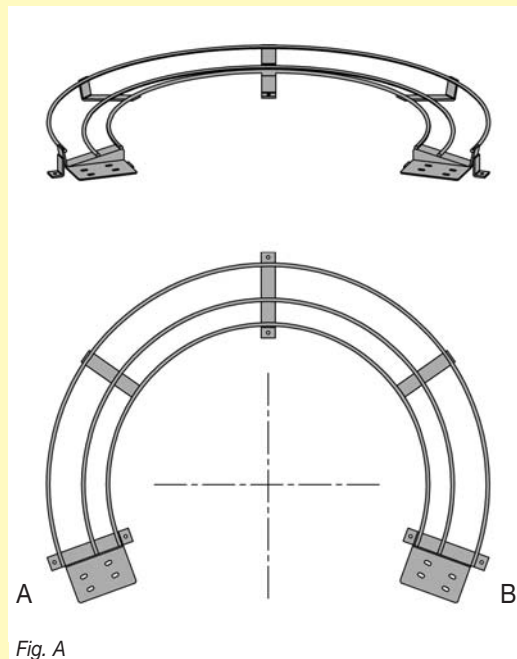


Fig. A

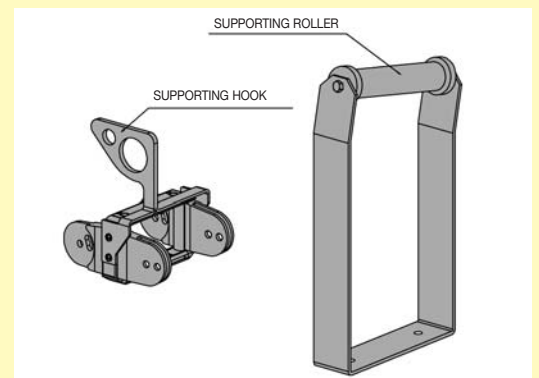
The stability of the chains permits rotations at higher velocities without the need for guiding supports. Only the base on which the cable leans has to have a configuration inclined to make its own travel distance easier. Appropriate support guides are available if it is not possible to take them directly from the machine.

## Supporting Hook

This must be selected according to the method of chain fixation.

-Left type with left fixed point chain (A)

-Right type with right fixed point chain (B)



The chains from the “ROBOT” series are self-supporting and they do not need any support up to  $200^\circ$ . For applications with rotations exceeding that value it is necessary to use its own appropriate accessories. To reduce the problems of taking up too much space which generally is the case with the supports, especially on robots, Brevetti Stendalto has developed a series of supports which are capable of solving the problem.

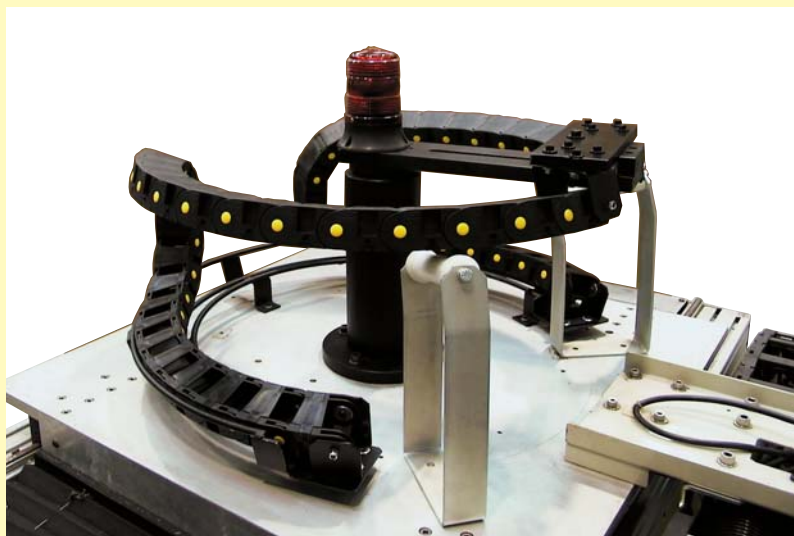


Welding robot equipped with a nylon cable chain type SR510 and guide support.



## Applications with Robot Series Chains

Using support rollers or support hooks, chains can reach a maximum rotation of 540°.



*Support rollers view.*



*Support hooks view.*

# Going Further

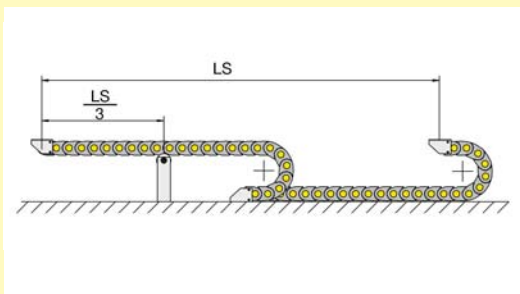
## Support Roller Units

For applications of cable chains with  $\frac{LS}{2}$  and weights not included in the area of the diagram of self-supporting capacity it is

necessary to use the appropriate support rollers.

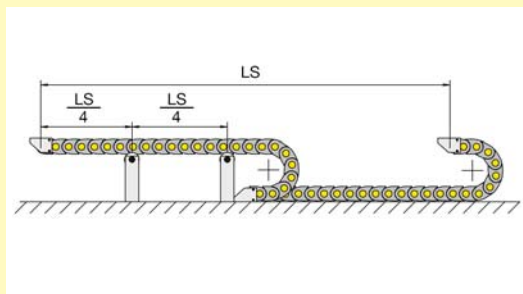
To decide on the number of support rollers needed, note the following:

### One Support Roller when:



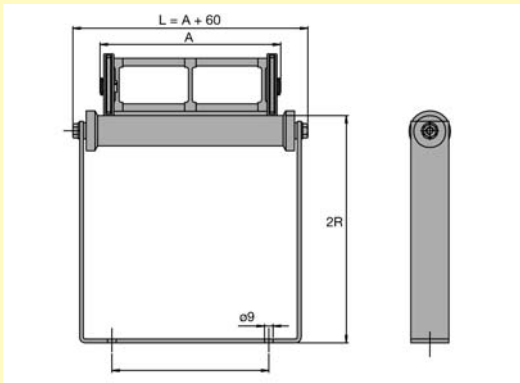
The length  $\frac{LS}{3}$  is included in the values of the diagram showing self-supporting capacity.

### Two Support Rollers when:

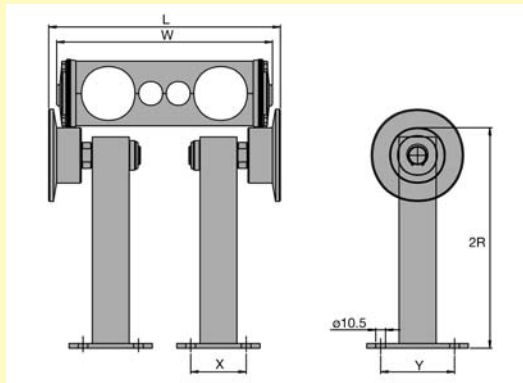


The length  $\frac{LS}{4}$  is included in the values of the diagram showing self-supporting capacity.

### Support Roller for Nylon Chains



### Support Roller for Steel Chains



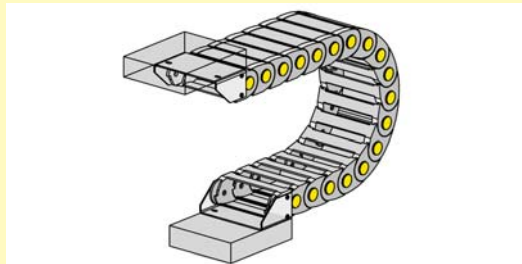
Chain Type	X	Y	L
BS2000	70	100	W+22
BS3000	70	100	W+22
BS3500	70	100	W+26
BS4000	70	100	W+26
BS4500	130	180	W+26

## Ways of Mounting End Brackets

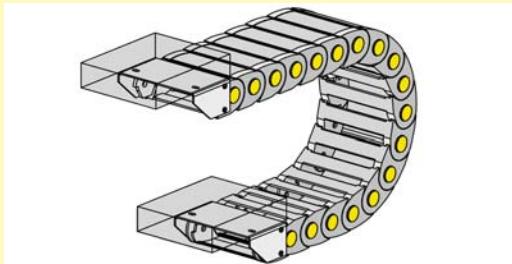
The end brackets make the installation of the chains possible. They are available both in nylon and in steel. The end brackets in nylon, due to their particular construction with holes for mounting on three sides, allow the chain to be

installed in the four positions seen below. For the end bracket in steel instead it is necessary to specify the position of mounting. If this is not specified it will be supplied in Pos.1. Our technical office is at your disposal to solve any installation query.

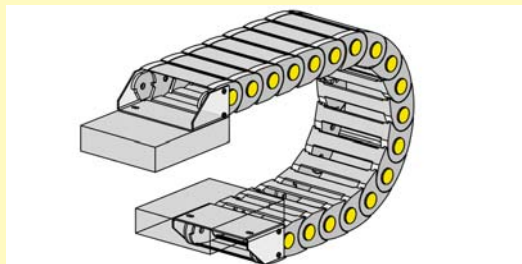
Pos. 1



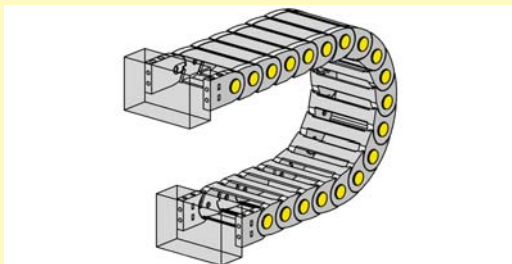
Pos. 2



Pos. 3



Pos. 4



Chain Type

Nylon End Brackets

Steel End Brackets

	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 1	Pos. 2	Pos. 3	Pos. 4
SR200...	S	-	-	-	-	-	-	-
SR250...	S	O	O	-	-	-	-	-
SR30090-SR30091	-	-	-	-	S	R	R	O
SR325A...	S	S	S	-	O	O	O	O
SR325...	-	-	-	-	S	R	R	O
SR300A...	S	-	-	-	S	O	O	O
SR300...	-	-	-	-	S	R	R	O
SR305A...	S	S	S	S	S	O	O	O
SR305...	S	S	S	S	S	R	R	O
SR355A...	S	S	S	S	S	O	O	O
SR355...	S	S	S	S	S	R	R	O
SR400...	S	S	S	-	S	O	O	O
SR435...	S	S	S	S	S	R	R	R
SR445...	S	S	S	S	S	R	R	R
SR660A...	S	S	S	S	R	R	R	O
SR770A...	S	S	S	S	R	R	R	O
SR475...	-	-	-	-	S	R	R	O
SR306...	S	S	S	S	S	R	R	O
SR307...	S	S	S	S	S	R	R	O
SR308...	S	S	S	S	S	R	R	O
SR309...	S	S	S	S	S	R	R	O
SR310T...	-	-	-	-	S	R	R	O
SR435P...	S	S	S	S	S	R	R	R
SR660...	S	S	S	S	R	R	R	O
SR445P...	S	S	S	S	S	R	R	R
SR770...	S	S	S	S	R	R	R	O
SR309C...	S	S	S	S	S	R	R	O
SR475P...	-	-	-	-	S	R	R	O
BS2000...	-	-	-	-	S	S	S	S
BS3000...	-	-	-	-	S	S	S	S
BS3500...	-	-	-	-	S	S	S	S
BS3500C...	-	-	-	-	S	R	R	O
BS4000...	-	-	-	-	S	R	R	O
BS4500...	-	-	-	-	S	R	R	O

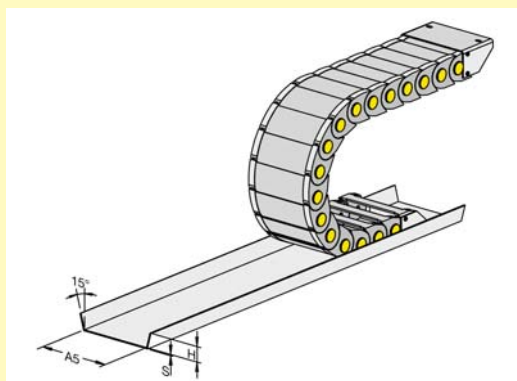
S= Standard  
R= On request  
O= Special production  
- = Not available



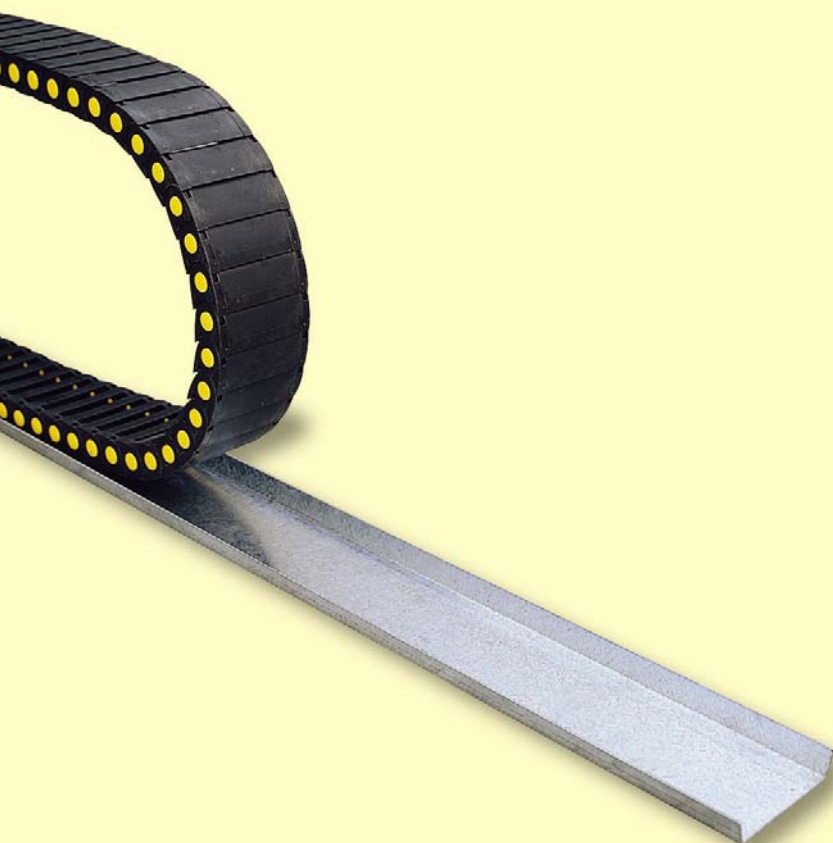
# Going Further

## Guide Channel

For a correct functioning of the cable chain it is necessary that during it's movement it lies on a flat surface. If these conditions do not exist a guide channel is necessary.



2



Chain type	A5 mm	H mm	S mm
SR200...	A+2	10	1,5
SR250...	A+2	10	1,5
SR30090-SR30091	A+2	15	1,5
SR325A...	A+2	25	1,5
SR325...	A+2	25	1,5
SR300A...	A+2	15	1,5
SR300...	A+2	15	1,5
SR305A...	A+2	20	1,5
SR305...	A+2	20	1,5
SR355A...	A+2	25	1,5
SR355...	A+2	25	1,5
SR400...	A+2	25	1,5
SR435...	A+2	30	1,5
SR445...	A+2	30	1,5
SR660A...	A+2	30	1,5
SR770A...	A+2	30	1,5
SR475....	A+2	50	1,5
SR306...	A+2	30	1,5
SR307...	A+2	30	1,5
SR308...	A+2	40	1,5
SR309...	A+2	50	1,5
SR310T...	A+2	80	1,5
SR435P...	A+2	30	1,5
SR660...	A+2	30	1,5
SR445P...	A+2	30	1,5
SR770...	A+2	30	1,5
SR475P...	A+2	50	1,5
SR309C...	A+2	50	1,5
BS2000...	W+2	30	1,5
BS3000...	W+2	40	1,5
BS3500...	W+2	50	
BS4000...*			
BS4500...*			

\*Seen the particular aspects of these chains we advise consultation with our technical office.

The guide channel is delivered in laminar zinc in pieces of 2000 mm. It is available on request in stainless steel.

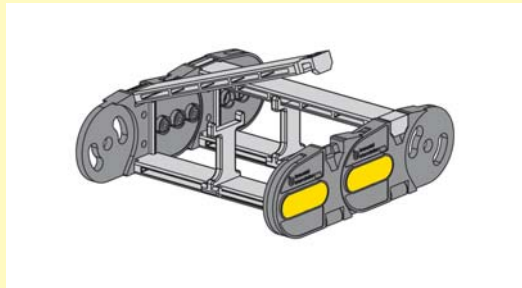
Guide channel for chain type SR355.

## Split Cross Pieces Heavy/Sliding Series

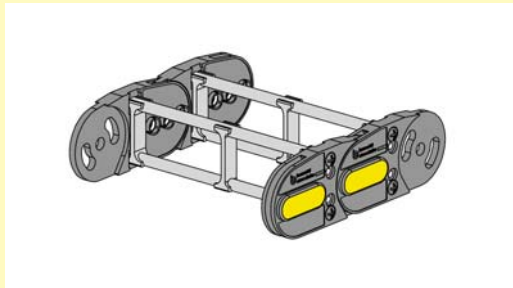
The chains from the Heavy and Sliding series are developed with two side-bands of chain connected with split cross pieces that can be

chosen between a wide number of styles to suit most various requests.

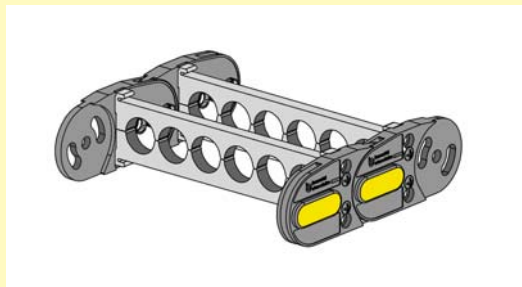
### Standard Versions:



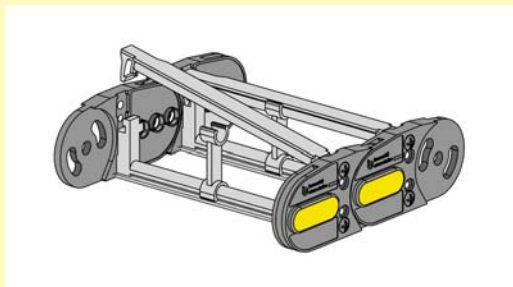
The new nylon split cross piece can open by an easy to open hinge, offering a security.



Aluminium rods screwed at the links. Maximum strength in every application. Possibilities in customising it's width. A separation of cables system.

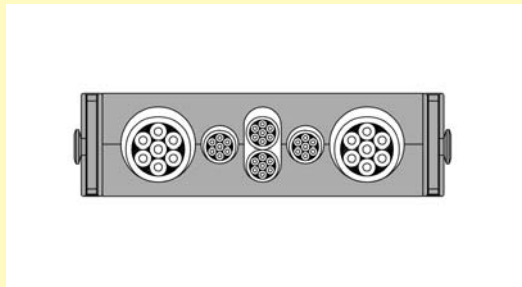


Nylon split cross pieces with holes. Many possibilities of choice between the standard models or special version on request.

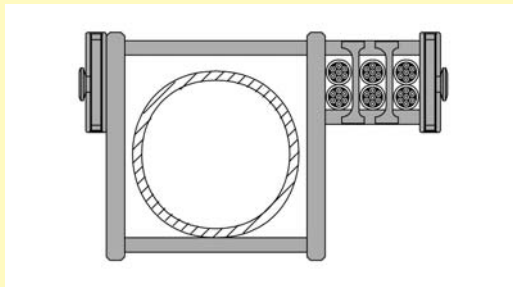


Nylon split cross pieces which open by a zip, to facilitate the operations of positioning the cables internally in the chain.

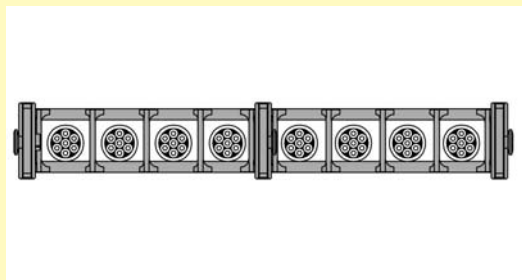
### Special Versions:



Split cross pieces made on request. The ideal solution in the case of numerous cables with limited amount of space.



Larger split cross pieces. For the transportation of hoses of notable dimensions.



Multiple side-band chains. If it was necessary to increase the self-supporting capacity and the stability when having a large number of cables.

# Materials Used

The Brevetti Stendalto cable chains in nylon are developed with a special polyamide reinforced with glass fibre, BRYLON 6. The high resistance to tension, the low coefficient of friction together with the general characteristics of the most evolved compound thermoplastics, allow the cable chains to be used in all environments and temperatures. The main characteristics of BRYLON 6 are:

## Self-Extinguishing

Brylon 6 has the certificate UL94HB. On request the use of the polyamide V0 or V2 can be used. The resistance at eventual sparks is good.

## UV Rays

Brylon 6 is resistant to UV rays and it's therefore suitable for external applications.

## Chemical Resistance

Brylon 6 is generally resistant to oils, grease, petrol, ammonia and water (sea water). Problems could arise with the presence of acids. (See the detailed table showing resistance to various chemical agents).

## Working Temperature

Brevetti Stendalto cable chains made of polymers can be used in application with a temperature range between  $-25^{\circ}$   $+125^{\circ}$ . In case of application with "continuous" temperature lower than  $-15^{\circ}$  and higher than  $+95^{\circ}$ , the mechanical values could be reduced. In both the cases Brevetti Stendalto is able to offer solutions using special compounds; please consult us.

On request it is possible to create and develop cable chains using special polyamides to be used in the following applications:

## Ex-Proof

Cable chains comply with ATEX-Directive 94/9/EC. For further information please consult Brevetti Stendalto's Technical Office.

## Clean room-proof

To be used in clean rooms. The standard version of the cable chain SR305A009 has been tested and proved to be Class 1. For further information you may require the proper documentation to our technical department.



Colour\* options.

### Links

standard colour: black  
colours by request: yellow,  
red, blue, green, grey.

### Pins

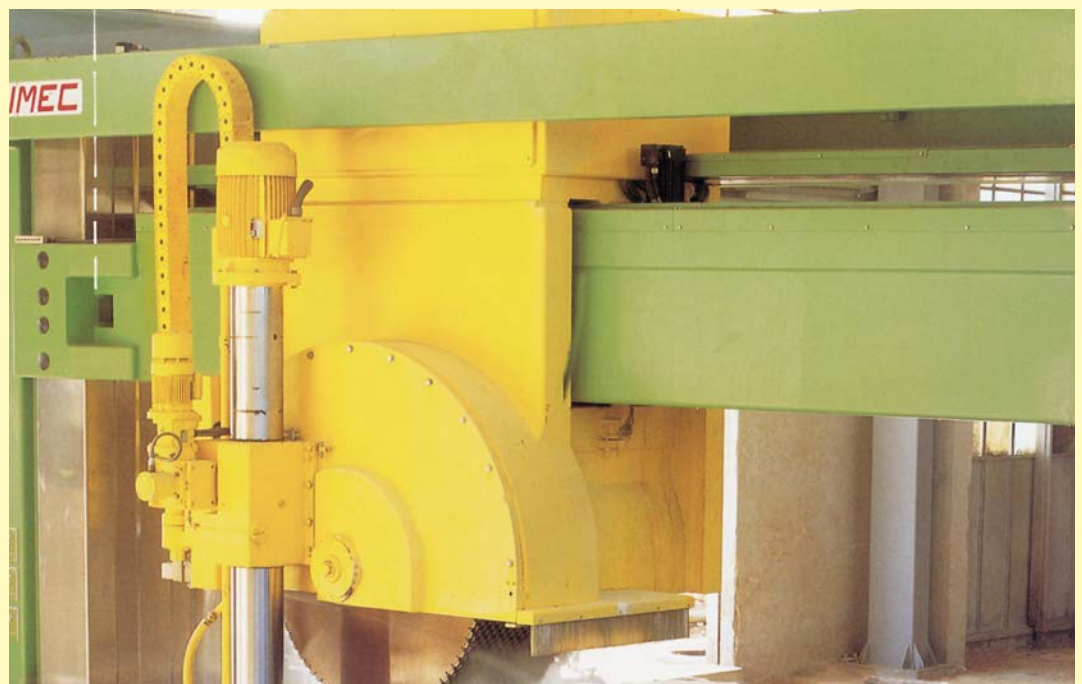
standard colour: yellow  
colours by request: black,  
red, blue, green.

## The Colouring.

The standard colouring of the Brevetti Stendalto cable chains is to have the links in black and the pins in yellow.

This combination, apart from being eye-catching represents a further security measure, the chain

being a body in movement. The high production flexibility of Brevetti Stendalto, permits the creation of nylon cable chains in various colour combinations which can be adjusted to the colours of the equipment.



SR700 yellow nylon chain  
with the pins in black.



## BRYLON 6 Technical Data

Norms	Properties	Units	Typical values	
			Dry	Conditioned
<b>Thermal properties</b>				
DSC	Melting point (10°C/min.)	°C	222	
ASTM - D 696	Coefficient of linear thermal expansion	X10 <sup>-5</sup> K <sup>-1</sup>	28	
ASTM D 648	Heat distortion temperatur			
ISO 75	1.82 N/mm <sup>2</sup>	°C	210	
DIN 53461	0.45 N/mm <sup>2</sup>	°C	220	
U. L. 94	Flammability		H.B.	
IEC 695-2-1	Incandescent wire			
	Temperature	°C	650	
	Thickness	mm	3	
<b>Flammability</b>				
ASTM-D 257	Volume resistivity	Ohm cm	10 <sup>15</sup>	10 <sup>11</sup>
ASTM-D 257	Surface resistivity	Ohm	10 <sup>13</sup>	10 <sup>11</sup>
ASTM-D 149	Dielectric strength	KV/mm	22	
ASTM-D 150	Dielectric constant (10 Hz)	—	3.8	4.5
ASTM-D 150	Dissipation factor (10Hz)	—	0.02	0.09
<b>Physical properties</b>				
ASTM-D 792	Density	g/cm <sup>3</sup>	1.38	
ASTM-D 570	Water absorption at 23°C in water for 24 hours	%	0.90	
<b>Mechanical properties</b>				
ASTM-D 638	Tensile yield stress	N/mm <sup>2</sup>	195	115
ISO R/527				
DIN 53455	Ultimate elongation	%	2.6	4
ASTM-D 638				
ISO R/527	Tensile modulus of elasticity	N/mm <sup>2</sup>	10600	6900
DIN 53457				
ASTM-D 790				
ISO 178	Flexural strength	N/mm <sup>2</sup>	310	190
DIN 53452				
ASTM-D 790	Flexural nodulus	N/mm <sup>2</sup>	10500	6800
ISO 178				
ASTM-D 256	Unnotched Izod impact strength	J/m	140	300
ISO 180/4C	Notched impact strength	KJ/m <sup>2</sup>	110	125
ASTM-D 785	Rockwell hardness	Scala R	122	114

**Dry**  
H<sub>2</sub>O < 0,15%

**Conditioned**  
equilibrium moisture content  
at 23° - 50% R.H.



## Chemical Resistance

Chemical agents	BRYLON 6			STEEL	
	Concentration %	Amorphous	Crystal	Concentration %	
Methyl acetate	100	RB3	RB2	100	RB
Acetone	100	RB4	RB	100	RB
Acetic acid (aqueous solution)	40	AF	AF	40	AF
Acetic acid (aqueous solution)	10	AF	AF	10	AF
Acetic acid		AF	AF		AF
Citric acid	10	AD 15	RD	10	AD
Hydrochloric acid (aqueous solution)	36	S	S	36	S
Hydrochloric acid (aqueous solution)	10	AF	AF	10	S
Hydrochloric acid (aqueous solution)	2	AF	AD	2	S
Chromic acid (aqueous solution)	10	AF	AF	10	AF
Chromic acid (aqueous solution)	1	RD	RD	1	AF
Hydrofluoric acid	40	AF	AF	40	S
Formic acid (aqueous solution)	85 S	S		85 S	AD
Formic acid (aqueous solution)	40 S	AF	AF	40 S	AD
Phosphoric acid (aqueous solution)	10	AF	AF	10	S
Oleic acid	100	RB3	RB3	100	RD
Sulphuric acid	98	S	S	98	S
Sulphuric acid (aqueous solution)	40	AF	AF	40	S
Sulphuric acid (aqueous solution)	10	AF	AF	10	S
Sulphuric acid (aqueous solution)	2	AF	AD	2	S
Tartaric acid (aqueous solution)		RD	RB		RD
Water		RB10	RB9		RD
Chlorine water		RD	RD		AD
Ethyl alcohol	96	RD17	RB3	96	RB
Ammonia	10	RB11	RB	10	AF
Petrol	100	RB1	RB	100	RB
Bitumen		RD	RD		RB
Potassium carbonate	100	RB	RB	100	AF
Sodium carbonate	10	RB10	RB3	10	AF
Ammonium chloride (aqueous solution)	10	RB	RB	10	AF
Calcium chloride (aqueous solution)	20	S	S	20	AF
Calcium chloride (aqueous solution)	10	RB	RB	10	AF
Sodium chloride	10	RB	RB	10	AF
Formaldehyde (aqueous solution)	30	RD	RB	30	AD
Fat		RB	RB		RB
Milk		RB	RB		RB
Mercury		RB	RB		RB
Oils		RB	RB		RB
Oil		RB	RB		RB
Paraffin oil		RB	RB		RB
Silicon oil		RB	RB		RB
Diesel oil		RB	RB		RB
Mineral oil		RB	RB		RB
Ozone		AF	AF		AF
Oil		RB	RB		RB
Potassium hydroxide (aqueous solution)	10	RB9	RB3	10	S
Sodium hydroxide (aqueous solution)	50	RD	RD	50	S
Sodium hydroxide (aqueous solution)	10	RB5	RB	10	S
Sodium hydroxide (aqueous solution)	5	RB9	RB	5	S
Aluminium sulphate	10	RB	RB	10	AF
Soap (aqueous solution)		RB	RB		RB
Tincture of iodine		AF	AF		AD
Trichlorethylene		RD5	RD4		RB
Vaseline		RB	RB		RB

The table shows the  
resistance to chemical  
agents of BRYLON 6 and  
Steel.

**RB**  
Very good resistance.

**RD**  
Good resistance.

**AD**  
Limited resistance.

**AF**  
Poor resistance.

**S**  
Soluble.

**Amorphous**  
Polymer in amorph state.

**Crystal**  
Polymer in crystalline state.

The number by resistance  
value side shows which is  
the % weight increase due  
to swelling.

All data contained in this  
publication are laboratory  
and design values, to be  
verified in practical  
applications.





# Nylon Cable Chain

Light Series	page 38
Medium Series	page 54
Heavy Series	page 82
Protection Series	page 108
Sliding Series	page 122
Robot Series	page 142







# Nylon Cable Chains Light Series

Series SR200	page	40
Series SR250	page	42
Series SR30090-SR30091-SR30092	page	44
Series SR325A	page	46
Series SR325	page	48

**New**

Channel guide for long travel distance	
For series SR30090-SR30091-SR30092-SR300	page 50
For series SR325A-SR325	page 52

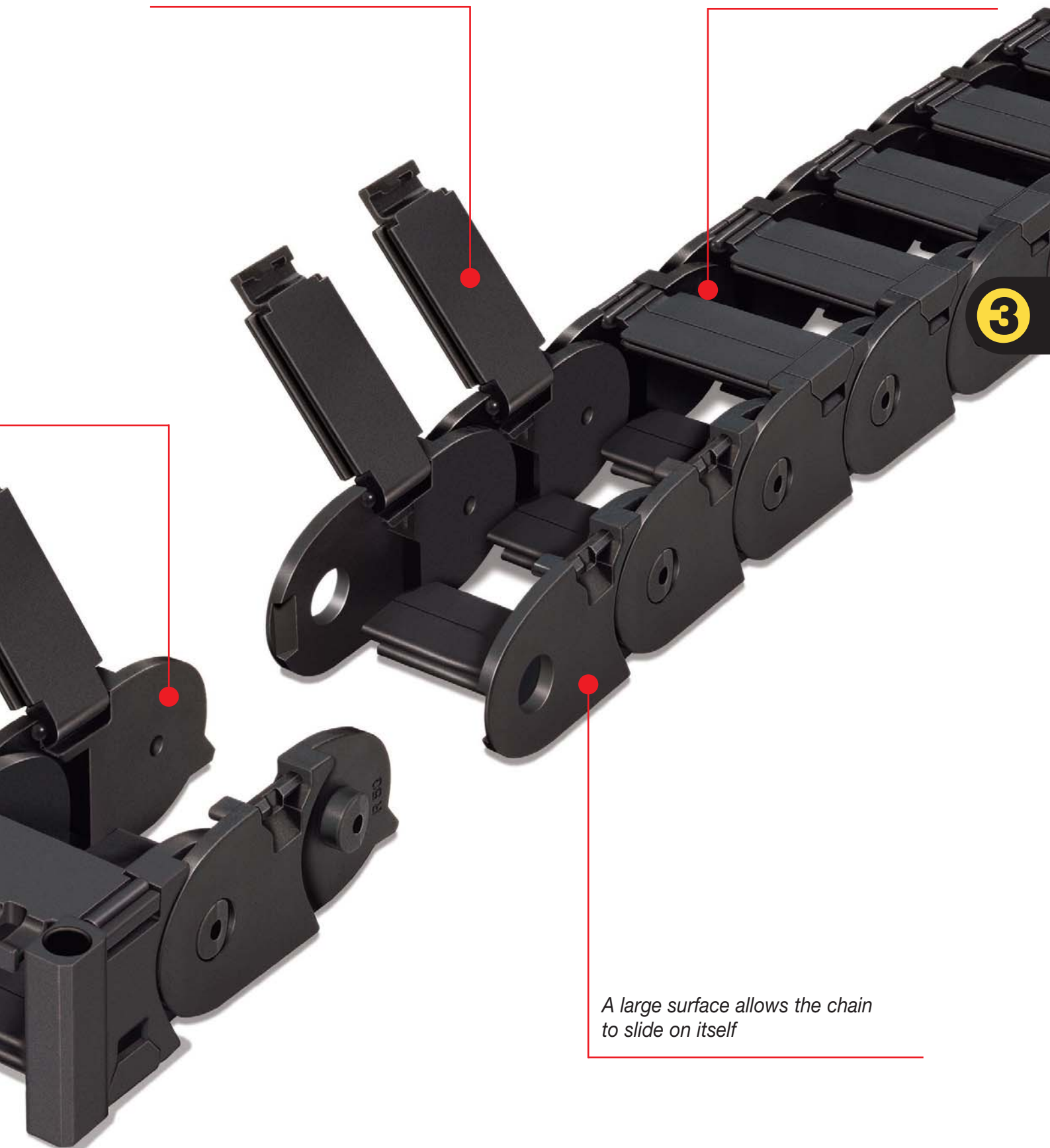
*Inner surface of chain  
completely smooth*

*Steel or nylon end brackets with  
tiewrap clamp*



*Cross pieces open and close with a  
“Snap-Fit” action*

*Nylon separator. Cables can be laid  
apart from each other*



*A large surface allows the chain  
to slide on itself*

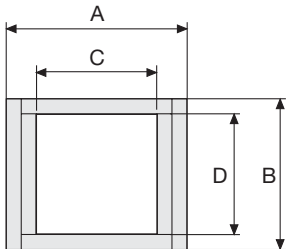
# Serie Light

# SR200

## Nylon Cable Chain

### Inner height (D) 12 mm

Single link construction with central anti-friction pivot. Not openable. Very smooth chain, particularly suitable for small automatic machines like printers, measurements equipment etc.



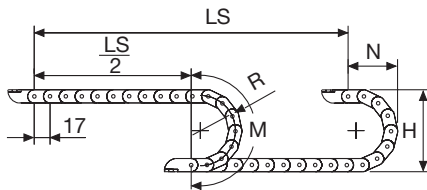
### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
18	15	12	12	018-030-040	0,13	SR20012□□□*
31	15	25	12	018-030-040	0,14	SR20025□□□*
41	15	35	12	018-030-040	0,15	SR20035□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR20012 16 17 18



R	H	N	M
mm	mm	mm	mm
018	51	45	95
030	75	55	130
040	95	70	165

Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

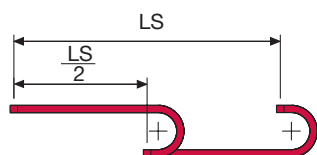
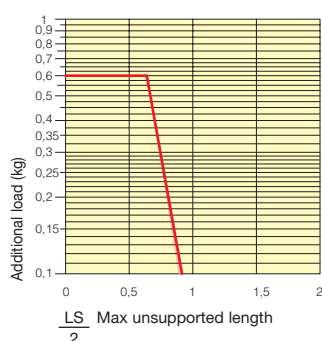
$$L = \frac{LS}{2} + M$$





## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

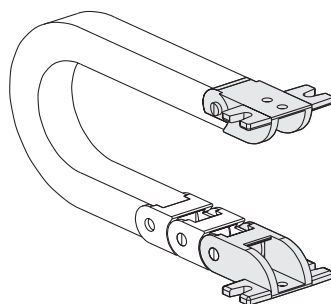
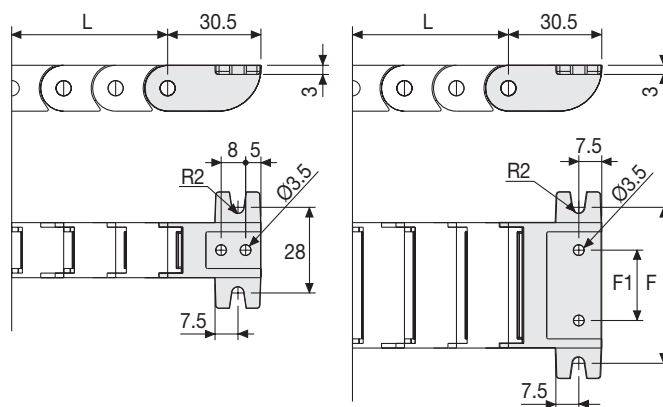


Fig. A  
Chain fixed outside the radius. (Fig A)



Chain Type	F1 mm	F mm
SR20025...	13	41
SR20035...	23	51

## Nylon Type Part Numbers

Complete Set Assembled	
Chain	End Brackets
Type	Set
SR20012...	AN20012KM
SR20025...	AN20025KM
SR20035...	AN20035KM

Complete Set Unassembled	
Chain	End Brackets
Type	Set
SR20012	AN20012K
SR20025...	AN20025K
SR20035...	AN20035K

# SR200

## Nylon Cable Chain

**For further information please  
consult Brevetti Stendalto's  
Technical Office**

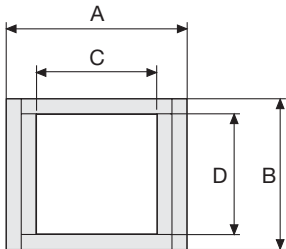
# Serie Light

# SR250

## Nylon Cable Chain

### Inner height (D) 18 mm

Single link construction. Not openable  
 Very smooth chain, particularly suitable  
 for small automatic machines like  
 printers, measurements equipment etc.

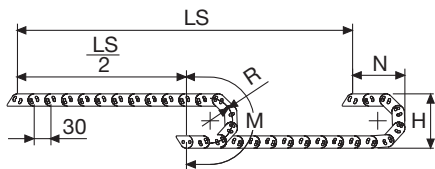


### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

For higher requirements please consult our  
 technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
23	22	15	18	40	0,25	SR25040



R	H	N	M
mm	mm	mm	mm
40	102	80	185

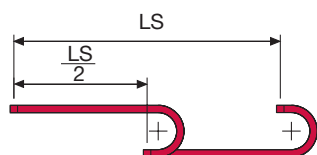
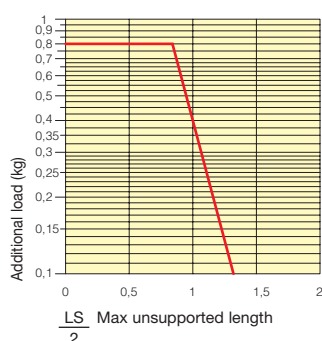
Length of chain (L)  
 Half travel distance ( $\frac{LS}{2}$ )  
 plus length of curve (M)

$$L = \frac{LS}{2} + M$$



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

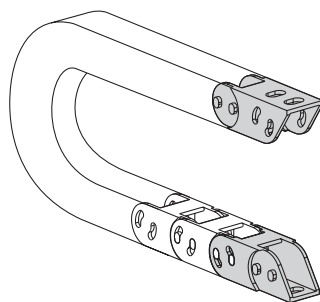
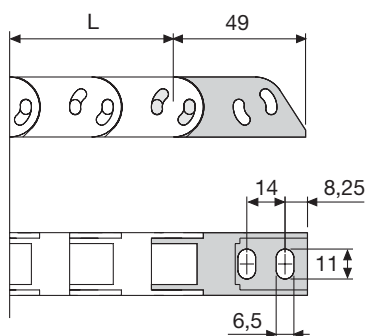


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



## Nylon Type Part Numbers

Complete Set Assembled	
Chain	End Brackets
Type	Set
SR250	AN250KM□**

Complete Set Unassembled	
Chain	End Brackets
Type	Set
SR250	AN250K

\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See end brackets mounting variations page 31.

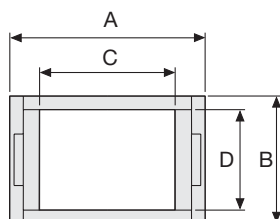
Serie Light

**SR250**  
Nylon Cable Chain

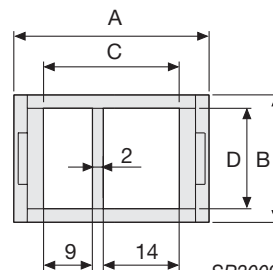
## SR30090/91/92 Nylon Cable Chain

### Inner height (D) 18,5 mm

Single link construction with central large anti-friction pivot, for high torsion and tensile resistance. Not openable. Used with guide channels, this chain is particularly suitable for long distance travel, as typical for example in larger textile plants.



SR30090-SR30091-SR30092



SR30091S

### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

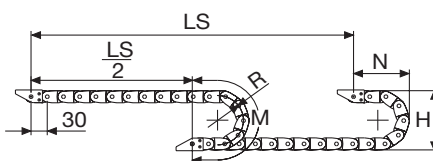
### Technical characteristics when used in long travel distance

Speed	0,3 m/s
Acceleration	1 m/s <sup>2</sup>

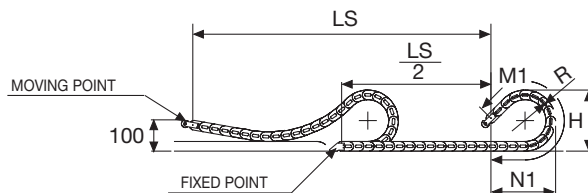
For higher requirements please consult our technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
29	23,5	18	18,5	033-038-048-070-100	0,32	SR30090□□□*
36	23,5	25	18,5	033-038-048-070-100	0,36	SR30091□□□*
36	23,5	25	18,5	033-038-048-070-100	0,36	SR30091□□□S*
49	23,5	38	18,5	033-038-048-070-100	0,39	SR30092□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR30090 □ □ □ □ □



R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
033	89,5	75	165	130	275
038	99,5	80	180	130	275
048	119,5	90	210	300	630
070	163,5	112	280	480	1025
100	223,5	145	375	655	1415



Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

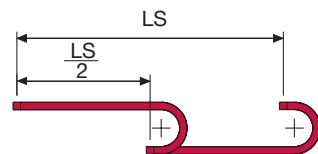
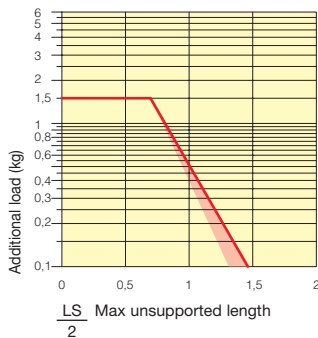
$$L = \frac{LS}{2} + M \text{ or } M1$$





### Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

### Bright Zinc Plated Steel End Brackets\*

The end brackets set allows the two ends of the chain to be attached to the equipment.

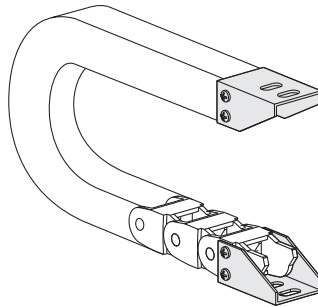
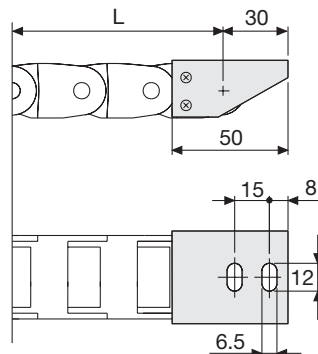


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



### Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled	
Chain	End Brackets
Type	Set
SR30090	A30090KM □ **
SR30091	A30091KM □ **
SR30091S	A30091KM □ **
SR30092	A30092KM □ **

Complete Set Unassembled	
Chain	End Brackets
Type	Set
SR30090	A30090K □ **
SR30091	A30091K □ **
SR30091S	A30091K □ **
SR30092	A30092K □ **

\*Available on request in stainless steel

\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

See end brackets mounting variations page 31.

### Serie Light

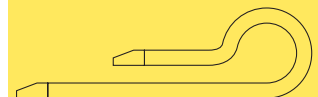
**SR30090**

**SR30091**

**SR30092**

Nylon Cable Chain

3



Suitable to long travel distance.  
To choose the guide channel  
see page 50

For further information please  
consult Brevetti Stendalto's  
Technical Office

## Serie Light

# SR325A

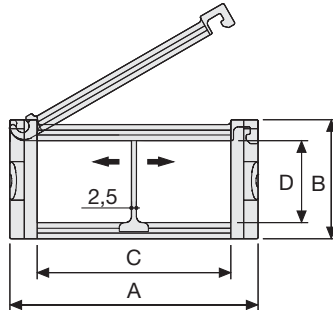
## Nylon Cable Chain with openable frames

### Inner height (D) 25,5 mm

Single link construction with central large anti-friction pivot, for high torsion and tensile resistance.

Frames openable from outer radius.

Vertical separators available. The chain is one of the strongest 25 mm standard chains. Used with guide channels, this chain is particularly suitable for long distance travel.



### Separator

- Unassembled	Part.no S325.1
- Assembled	Part.no S325.1MC

### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

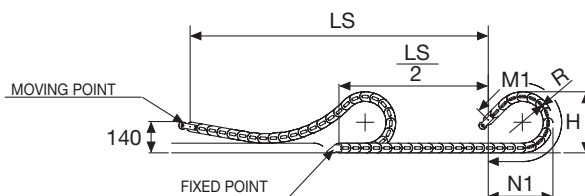
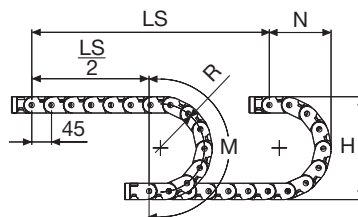
### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
57	37	40	25,5	050-060-075-100-125-150	0,90	SR325A040□□□*
77	37	60	25,5	050-060-075-100-125-150	1,00	SR325A060□□□*
93	37	76	25,5	050-060-075-100-125-150	1,10	SR325A076□□□*
120	37	103	25,5	050-060-075-100-125-150	1,25	SR325A103□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR325A040 □ □ □ □

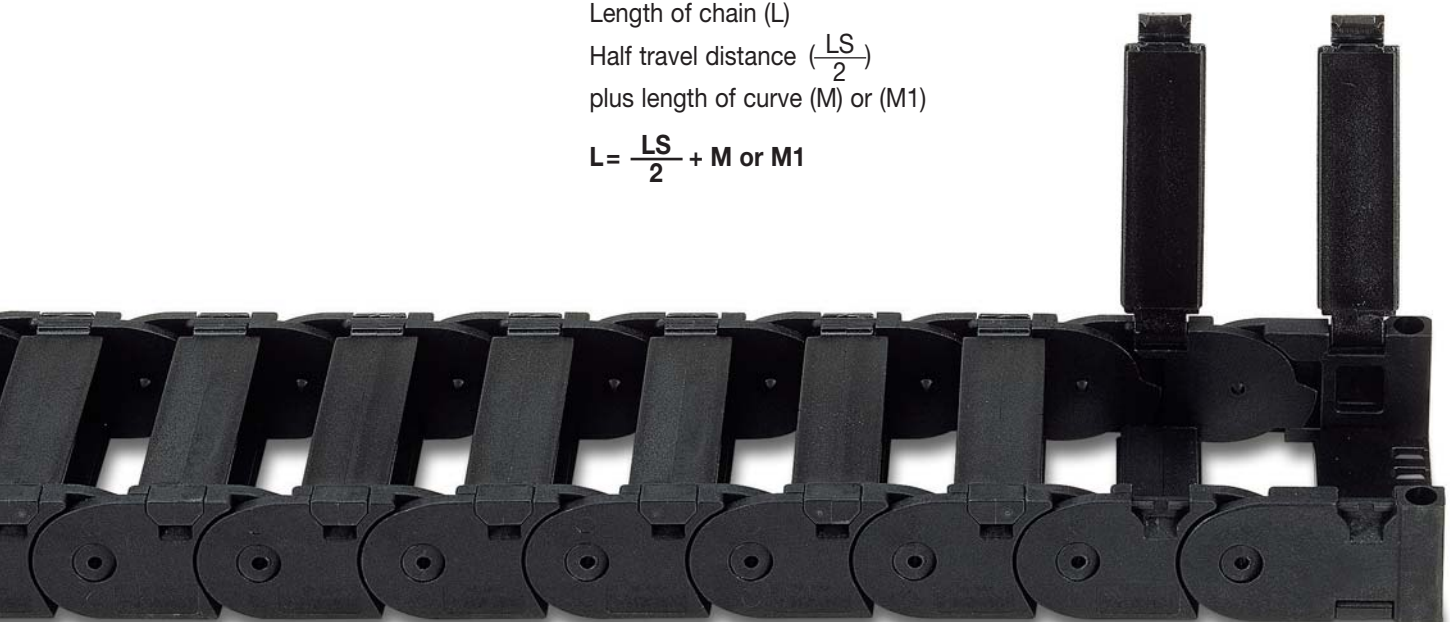


R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
050	137	115	250	145	300
060	157	125	280	155	335
075	187	140	325	185	420
100	237	165	405	275	635
125	287	190	485	360	855
150	337	215	565	445	1075

Length of chain (L)

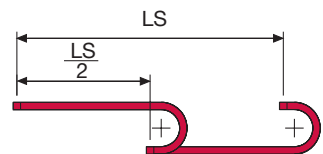
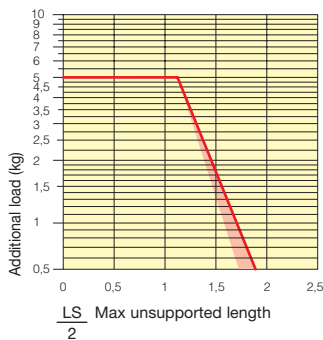
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

$$L = \frac{LS}{2} + M \text{ or } M1$$



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. The set also includes the tie-wrap clamp for cable fixing.

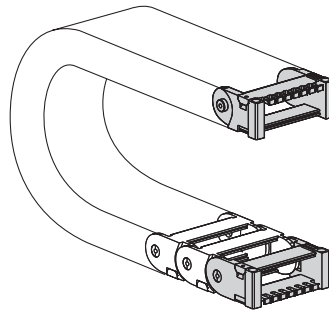
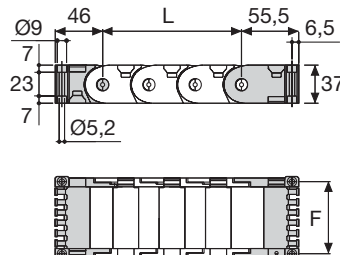


Fig. A  
Chain fixed outside/inside the radius. (Fig A)



Chain Type	F mm
SR325A040	51
SR325A060	71
SR325A076	87
SR325A103	114

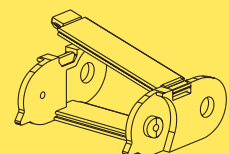
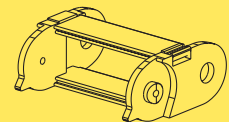
## Nylon Type Part Numbers

Complete Set Assembled	
Chain Type	End Brackets Set
SR325A040	AN325A040KM
SR325A060	AN325A060KM
SR325A076	AN325A076KM
SR325A103	AN325A103KM

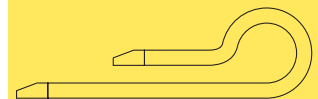
Complete Set Unassembled	
Chain Type	End Brackets Set
SR325A040	AN325A040K
SR325A060	AN325A060K
SR325A076	AN325A076K
SR325A103	AN325A103K

## Serie Light

## SR325A Nylon Cable Chain with openable frames



How to open the cover.



Suitable to long travel distance.  
To choose the guide channel see page 52

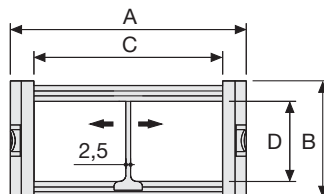
For further information please consult Brevetti Stendalto's Technical Office

# Serie Light

# SR325 Nylon Cable Chain

## Inner height (D) 25,5 mm

Single link construction with central large anti-friction pivot, for high torsion and tensile resistance. Not openable. Used with guide channels, this chain is particularly suitable for long distance travel, as typical for example in larger textile plants.



## Separator

- Unassembled	Part.no S325.1
- Assembled	Part.no S325.1MC

## Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

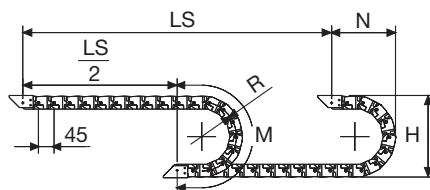
## Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

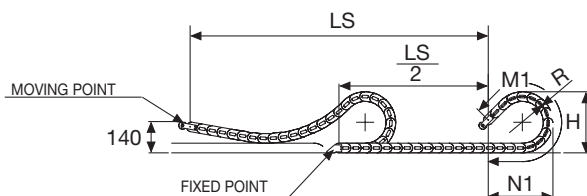
For higher requirements please consult our technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
55	37	40	25,5	050-060-075-100-125-150	0,83	SR325040□□□*
75	37	60	25,5	050-060-075-100-125-150	0,95	SR325060□□□*
91	37	76	25,5	050-060-075-100-125-150	1,06	SR325076□□□*
118	37	103	25,5	050-060-075-100-125-150	1,12	SR325103□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR325040 □ □ □ □



R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
050	137	115	250	145	300
060	157	125	280	155	335
075	187	140	325	185	420
100	237	165	405	275	635
125	287	190	485	360	855
150	337	215	565	445	1075



Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

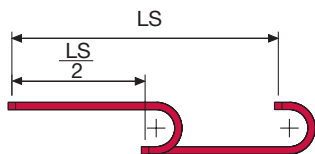
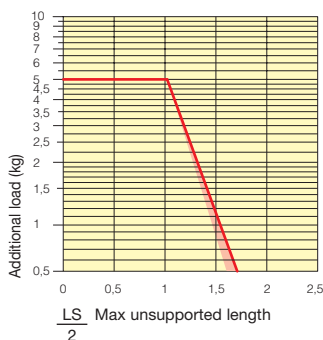
$$L = \frac{LS}{2} + M \text{ or } M1$$





## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## Bright Zinc Plated Steel End Brackets\*

The end brackets set allows the two ends of the chain to be attached to the equipment.

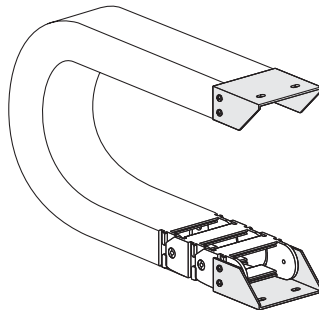
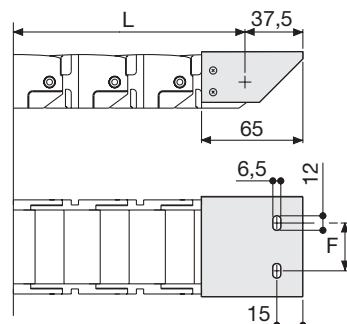


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR325040	24
SR325060	44
SR325076	60
SR325103	87

## Nylon Type Part Numbers

Complete Set Assembled	
Chain Type	End Brackets Set
SR325040	A325040KM □ **
SR325060	A325060KM □ **
SR325076	A325076KM □ **
SR325103	A325103KM □ **

Complete Set Unassembled	
Chain Type	End Brackets Set
SR325040	A325040K □ **
SR325060	A325060K □ **
SR325076	A325076K □ **
SR325103	A325103K □ **

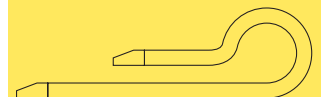
\*Available on request in stainless steel

\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

See end brackets mounting variations page 31.

## Serie Light

## SR325 Nylon Cable Chain



Suitable to long travel distance.  
To choose the guide channel see page 52

For further information please consult Brevetti Stendalto's Technical Office

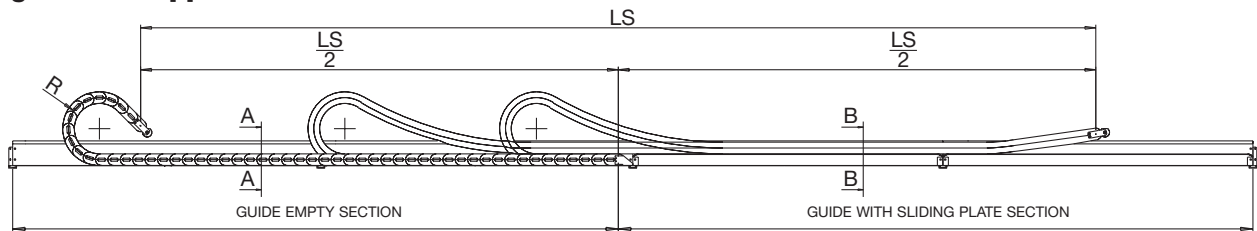
# Serie Light

## Guide Channel

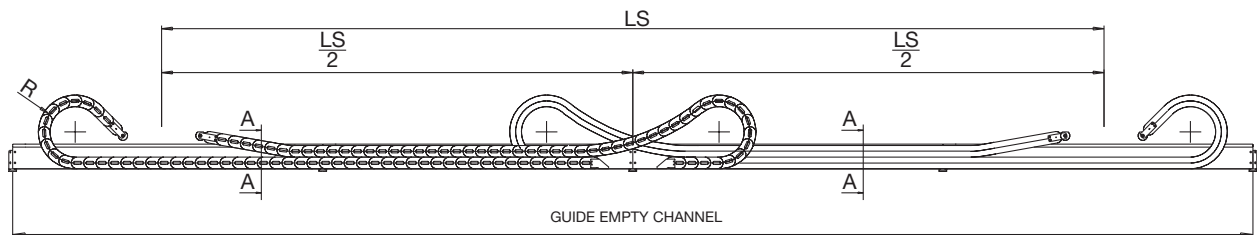
### SR30090-SR30091-SR30092-SR300

Special channel guide allows the use of the chain for long travel distance.  
Available in galvanised steel and, on request, in stainless steel.

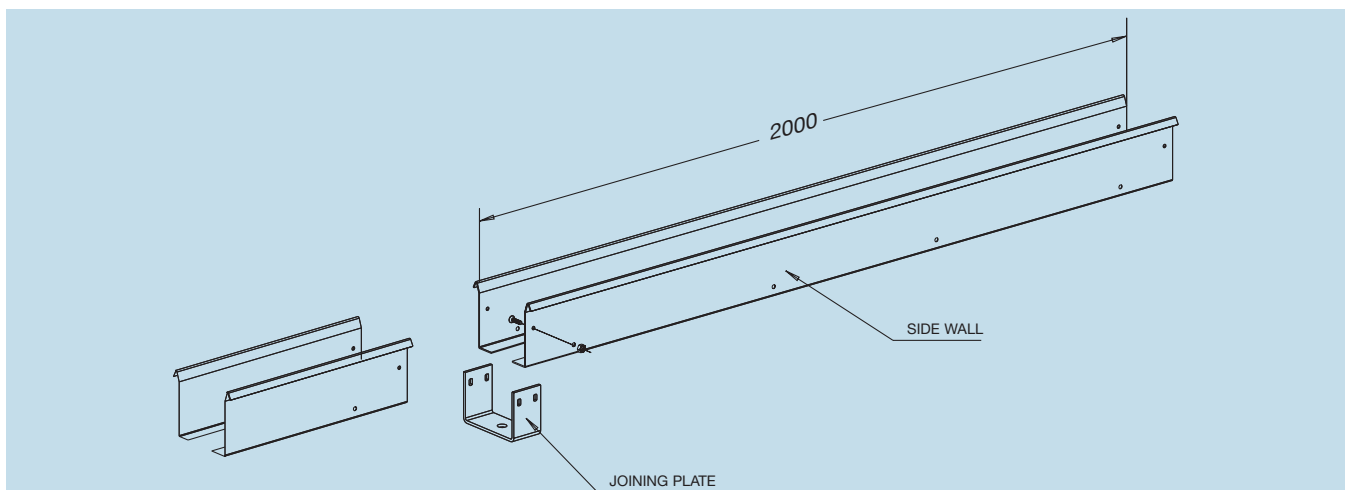
#### Single Chain Application



#### Double Chain Application

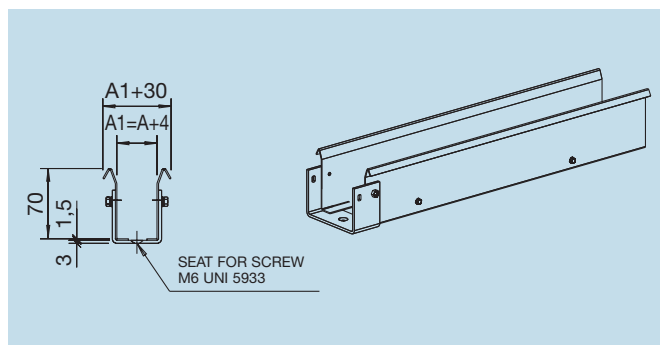


Channel guide is available in kit form composed of:  
side walls 2 m standard length  
joining plates  
fixing screws



## Guide Empty Section

Section A-A



### Part Number

**CS30090...**

How to order

Chain part number	<b>SR30090038</b>
-------------------	-------------------

Guide channel part number	<b>CS30090</b>
---------------------------	----------------

**CS30091...**

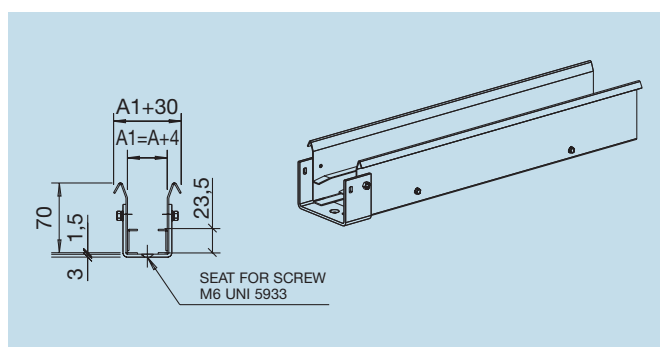
How to order

Chain part number	<b>SR30091038</b>
-------------------	-------------------

Guide channel part number	<b>CS30091</b>
---------------------------	----------------

## Guide Sliding Plate Section

Section B-B



### Part Number

**CA30090...**

How to order

Chain part number	<b>SR30090038</b>
-------------------	-------------------

Guide channel part number	<b>CA30090</b>
---------------------------	----------------

**CA30091...**

How to order

Chain part number	<b>SR30091038</b>
-------------------	-------------------

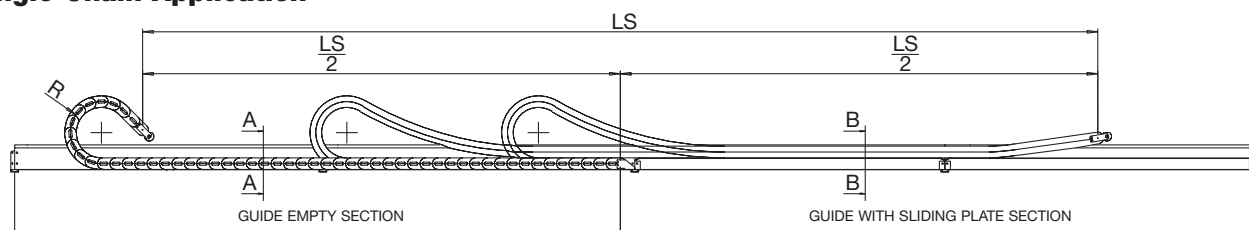
Guide channel part number	<b>CA30091</b>
---------------------------	----------------

# Serie Light

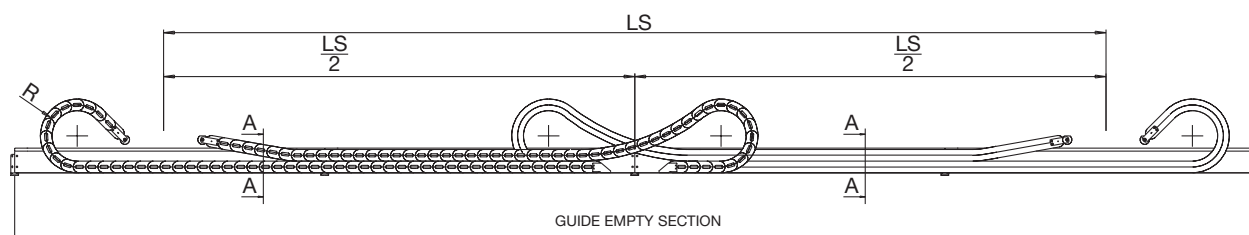
## Guide Channel SR325A-SR325

Special channel guide allows the use of the chain for long travel distance.  
Available in galvanised steel and, on request, in stainless steel.

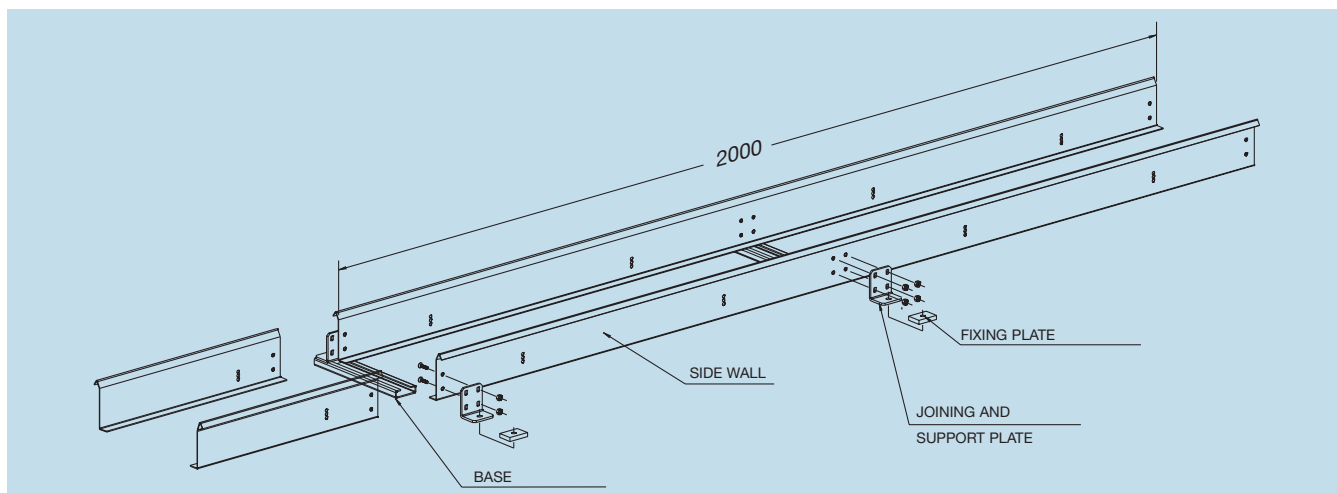
### Single Chain Application



### Double Chain Application



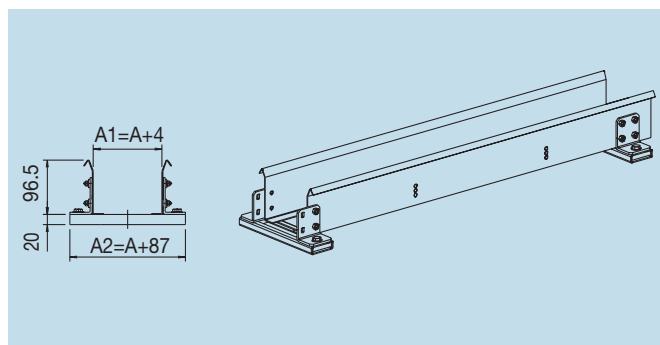
Channel guide is available in kit form  
composed of:  
side walls 2 m standard length  
joining plates  
fixing screws





## Guide Empty Section

Section A-A



### Part Number

**CS325...**

How to order

Chain part number **SR325040050**

Guide channel  
part number **CS325040**

**CS325A...**

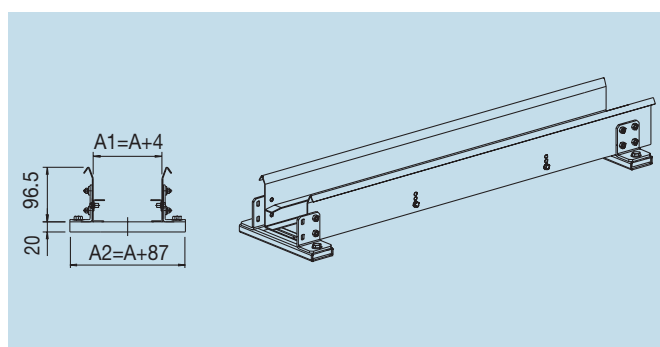
How to order

Chain part number **SR325A040050**

Guide channel  
part number **CS325A040**

## Guide Sliding Plate Section

Section B-B



### Part Number

**CA325...**

How to order

Chain part number **SR325040050**

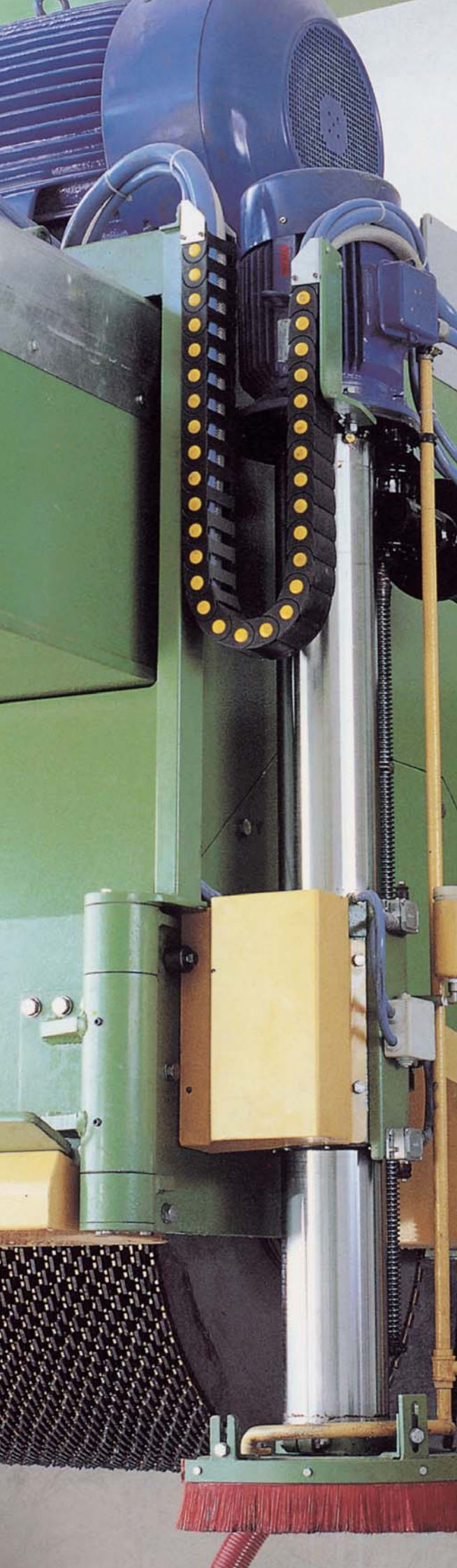
Guide channel  
part number **CA325040**

**CA325A...**

How to order

Chain part number **SR325A040050**

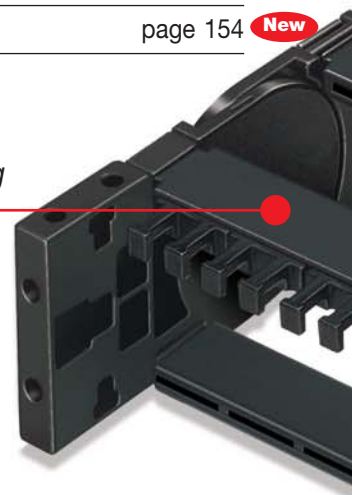
Guide channel  
part number **CA325A040**



# Nylon Cable Chains Medium Series

Series SR300A	page 56	
Series SR300	page 58	
Series SR305A	page 60	
Series SR305	page 62	
Series SR355A	page 64	
Series SR355	page 66	
Series SR400	page 68	
Series SR435MI-SR435ME	page 70	<b>New</b>
Series SR445MI-SR445ME	page 72	<b>New</b>
Series SR660A	page 74	
Series SR770A	page 76	
Series SR475MI-SR475ME	page 78	<b>New</b>
<hr/>		
Channel guide for long travel distance		
For chains SR305-SR355-SR435MI/ME	page 80	
For chains SR445MI/ME-SR660A-SR770A	page 138	
For chains SR475MI/ME	page 140	
<hr/>		
Horizontal Separation	page 154	<b>New</b>

*Tiewrap clamp for an  
optimal conduct fixing*



*Steel or nylon end brackets*





## Serie Medium

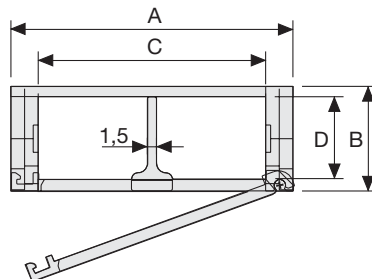
# SR300A

## Nylon Cable Chain

### with openable frames

#### Inner height (D) 18 mm

Single link construction with anti-friction single-pin.  
Frames openable from inner radius.  
Vertical separators available.  
The wide frames on out radius offer good protection, when operating horizontally.



#### Separator

- Unassembled	Part.no S300A
- Assembled	Part.no S300AMC

#### Pin

Part.no PG300A

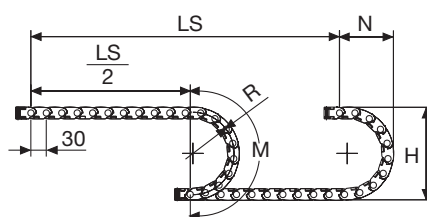
#### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
27	23	15	18	040-060-080-120	0,41	SR300A015□□□*
37	23	25	18	040-060-080-120	0,45	SR300A025□□□*
62	23	50	18	040-060-080-120	0,55	SR300A050□□□*
87	23	75	18	040-060-080-120	0,65	SR300A075□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR300A015 □ □ □ □



R mm	H mm	N mm	M mm
040	103	85	185
060	143	105	250
080	183	125	315
120	263	165	440

Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

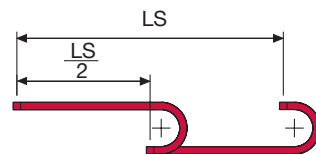
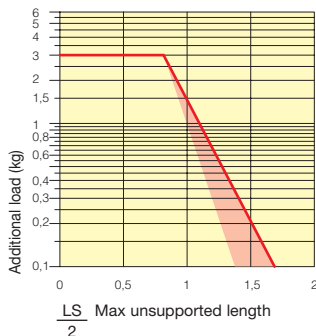
$$L = \frac{LS}{2} + M$$





## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

### Nylon Type

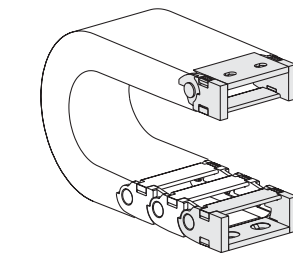
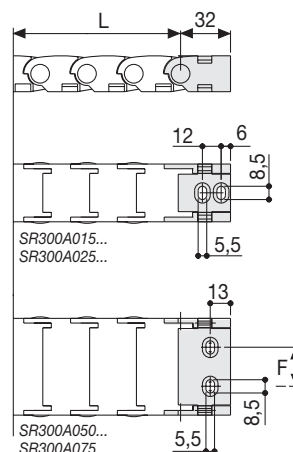


Fig. A  
Chain fixed outside the radius. (Fig A)



Chain Type	F mm
SR300A050	25
SR300A075	50

### Nylon Type Part Numbers

Complete Set Assembled Chain Type	End Brackets Set
SR300A015	AN300A015KM
SR300A025	AN300A025KM
SR300A050	AN300A050KM
SR300A075	AN300A075KM

Complete Set Unassembled Chain Type	End Brackets Set
SR300A015	AN300A015K
SR300A025	AN300A025K
SR300A050	AN300A050K
SR300A075	AN300A075K

### Bright Zinc Plated Steel Type\*

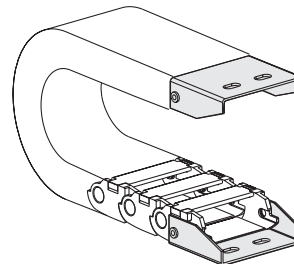
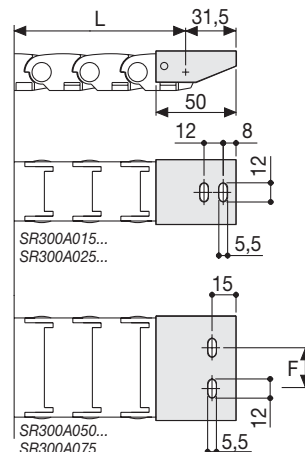


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR300A050	25
SR300A075	50

### Bright Zinc Plated Steel Type Part Numbers

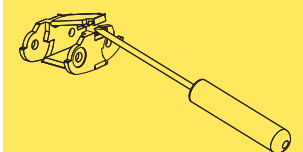
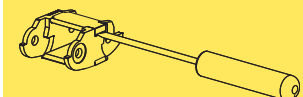
Complete Set Assembled Chain Type	End Brackets Set
SR300A015	A300A015KM
SR300A025	A300A025KM
SR300A050	A300A050KM
SR300A075	A300A075KM

Complete Set Unassembled Chain Type	End Brackets Set
SR300A015	A300A015K
SR300A025	A300A025K
SR300A050	A300A050K
SR300A075	A300A075K

\*Available on request in stainless steel

## Serie Medium

## SR300A Nylon Cable Chain with openable frames



How to open the cover.

Special tool to remove the connecting pivots:  
Part Number PZ010.

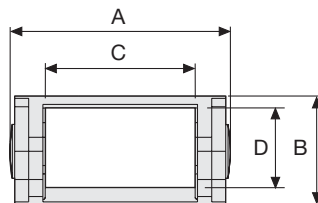
For further information please consult Brevetti Stendalto's Technical Office

# Serie Medium

## SR300 Nylon Cable Chain

### Inner height (D) 17 mm

Single link construction with anti-friction single-pin. Not openable. The chain is an extremely strong 18 mm chain, particularly suitable for high frequency/acceleration operations, like on laser cutting heads, in which the chain is highly stressed, due to high acceleration in all 3 directions.



### Pin

Part.no PG300

### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

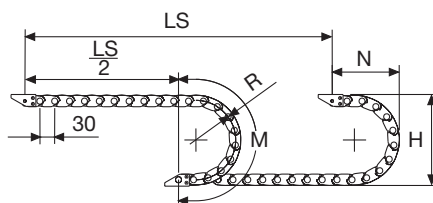
A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
30	23	14	18	040-060-080-120	0,38	SR300015□□□*
41	23	25	18	040-060-080-120	0,43	SR300025□□□*
52	23	36	18	040-060-080-120	0,48	SR300035□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR300015 □ □ □ □

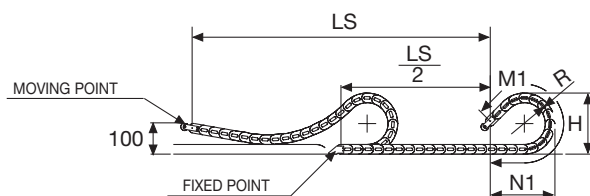
### Technical characteristics when used in long travel distance

Speed	0,3 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.



R mm	H mm	N mm	M mm	N1 mm	M1 mm
40	103	85	185	185	385
60	143	105	248	410	865
80	183	125	315	545	1165
120	263	165	440	750	1640



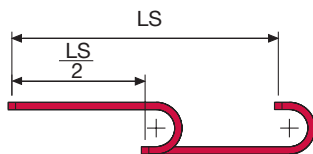
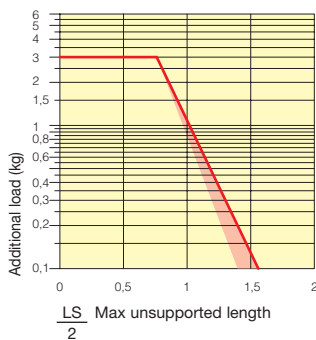
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

$$L = \frac{LS}{2} + M \text{ or } M1$$



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## Bright Zinc Plated Steel End Brackets\*

The end brackets set allows the two ends of the chain to be attached to the equipment.

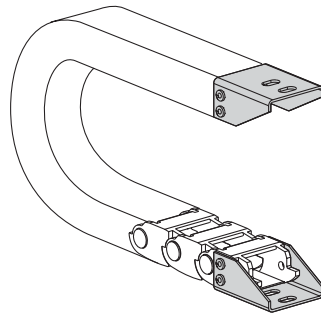
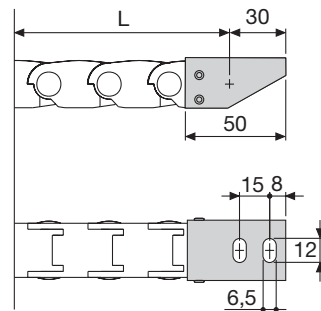


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



## Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled	
Chain Type	End Brackets Set
SR300015...	AP300KM <input type="checkbox"/> **
SR300025...	AG300KM <input type="checkbox"/> **
SR300035...	A300035KM <input type="checkbox"/> **

Complete Set Unassembled	
Chain Type	End Brackets Set
SR300015...	AP300K <input type="checkbox"/> **
SR300025...	AG300K <input type="checkbox"/> **
SR300035...	A300035K <input type="checkbox"/> **

\*Available on request in stainless steel

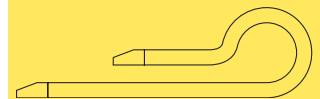
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

See end brackets mounting variations page 31.

Serie Medium

**SR300**  
Nylon Cable Chain

3



Suitable to long travel distance.  
To choose the guide channel  
see page 50

Special tool to remove the  
connecting pivots:  
Part Number PZ010.

For further information please  
consult Brevetti Stendalto's  
Technical Office

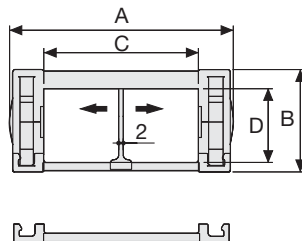
## Serie Medium

# SR305A

## Nylon Cable Chain with removable frames

### Inner height (D) 24 mm

Double share single link joining construction with large anti-friction single-pin. Frames removable from inner radius. Vertical separators are available. Wide frames on outer radius offer good protection. Due to its design with double-share lateral side, the chain is very robust, meanwhile offering very low friction.



### Separator

- Unassembled	Part.no S305
- Assembled	Part.no S305MC

### Pin

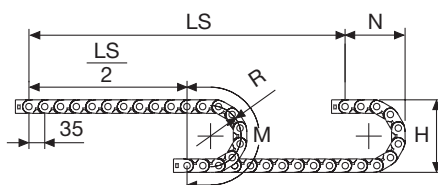
Part.no PG305

### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
54	30	30	24	50	0,85	SR305A008
54	30	30	24	70	0,85	SR305A010
54	30	30	24	120	0,85	SR305A020
54	30	30	24	150	0,85	SR305A050
74	30	50	24	50	0,95	SR305A009
74	30	50	24	70	0,95	SR305A030
74	30	50	24	120	0,95	SR305A040
74	30	50	24	150	0,95	SR305A060



R mm	H mm	N mm	M mm
50	130	105	230
70	170	120	290
120	270	175	450
150	330	205	545

Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

$$L = \frac{LS}{2} + M$$





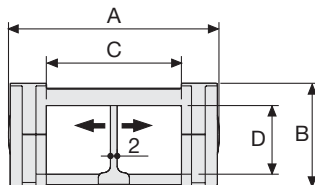


# Serie Medium

## SR305 Nylon Cable Chain

### Inner height (D) 20 mm

Double share single link joining construction with large anti-friction single-pin. Not openable. Vertical separators are available. Due to its design with double-share lateral side, the chain is very robust, meanwhile offering very low friction. Used with guide channels, this chain is particularly suitable for long distance travel.



### Separator\*

- Unassembled	Part.no S305
- Assembled	Part.no S305MC

### Pin

Part.no PG305

### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

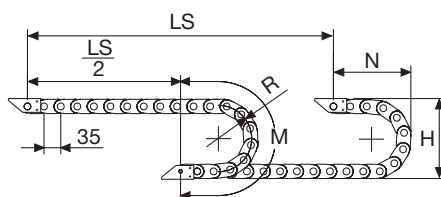
### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

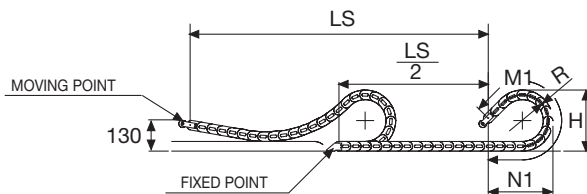
For higher requirements please consult our technical dept.

\*Separator not to be used in long-stroke applications

A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
52	30	30	20	50	0,90	SR305008
52	30	30	20	70	0,90	SR305010
52	30	30	20	120	0,90	SR305020
52	30	30	20	150	0,90	SR305050
72	30	50	20	50	1,00	SR305009
72	30	50	20	70	1,00	SR305030
72	30	50	20	120	1,00	SR305040
72	30	50	20	150	1,00	SR305060



R mm	H mm	N mm	M mm	N1 mm	M1 mm
50	130	105	230	125	270
70	170	120	290	160	365
120	270	175	450	330	800
150	330	205	545	435	1065



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

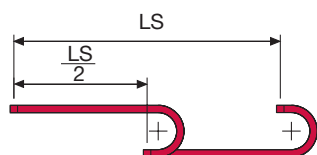
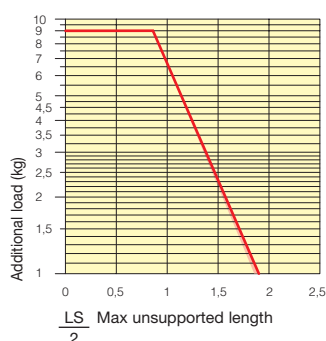
plus length of curve (M) or (M1)

$$L = \frac{LS}{2} + M \text{ or } M1$$



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



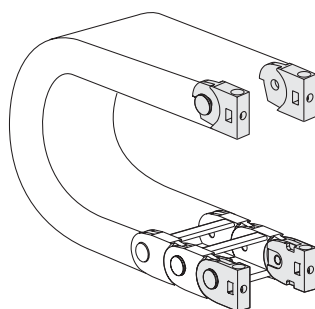
The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

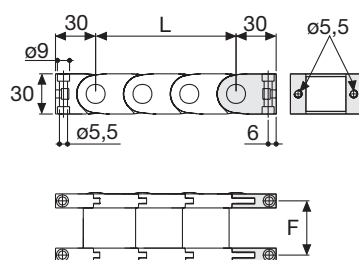
## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

## Nylon Type



*Fig. A*  
The chain can be fixed frontally,  
inner or outer radius. (Fig A)



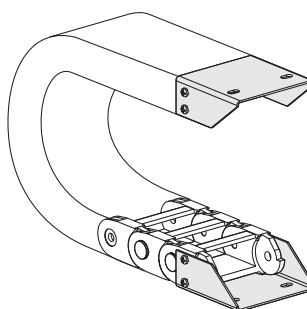
Chain Type	F mm
SR305 C=30	40,5
SR305 C=50	60,5

## Nylon Type Part Numbers

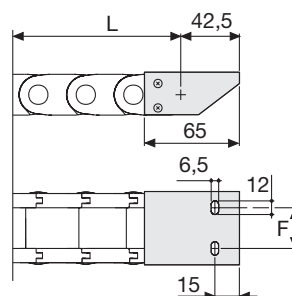
Complete Set Assembled	
Chain	End Brackets
Type	Set
SR305 C=30	AN305KM
SR305 C=50	AN305KM

Complete Set	Unassembled
Chain	End Brackets
Type	Set
SR305 C=30	AN305K
SR305 C=50	AN305K

**Bright Zinc Plated Steel  
Type\***



**Fig. B**  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting  
variations page 31.



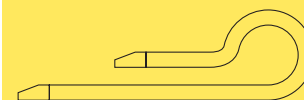
Chain Type	F mm
SR305 C=30	30,5
SR305 C=50	51,5

## Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled	
Chain	End Brackets
Type	Set
SR305 C=30	AP305KM□**
SR305 C=50	AG305KM□**

Complete Set	Unassembled
Chain	End Brackets
Type	Set
SR305 C=30	AP305K□**
SR305 C=50	AG305K□**

\*Available on request in stainless steel  
 \*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
 See end brackets mounting variations  
 page 31.



**Suitable to long travel distance.  
To choose the guide channel  
see page 80**

**Special tool to remove the connecting pivots:  
Part Number PZ010.**

**For further information please  
consult Brevetti Stendalto's  
Technical Office**

## Serie Medium

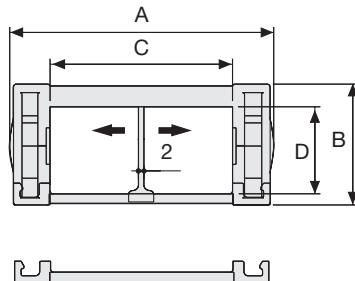
# SR355A

## Nylon Cable Chain

### with removable frames

#### Inner height (D) 31 mm

Double share single link joining construction with large anti-friction single-pin. Frames removable from inner radius. Vertical separators are available. Wide frames on outer radius offer good protection. Due to its design with double-share lateral side, the chain is very robust, meanwhile offering very low friction.



#### Separator

- Unassembled	Part.no S355
- Assembled	Part.no S355MC

#### Pin

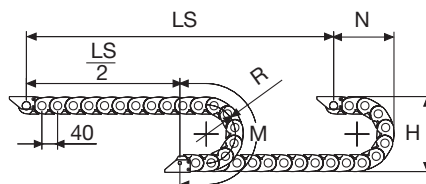
Part.no PG355

#### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

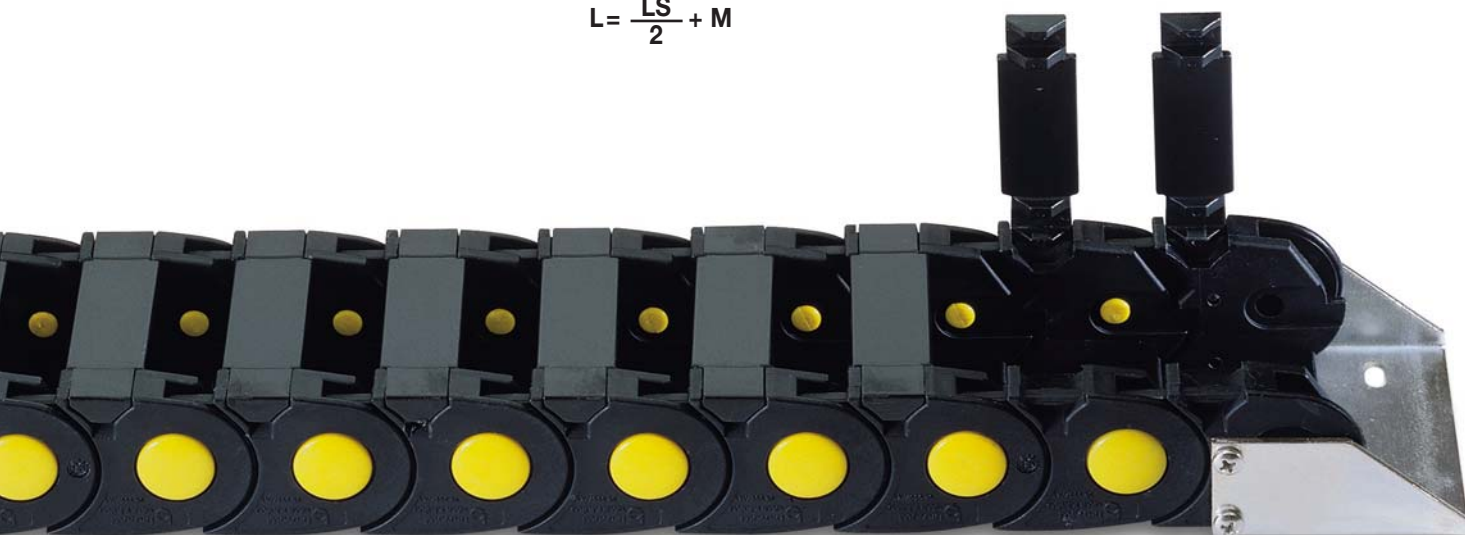
A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
74	43	45	31	75	1,40	SR355A045
74	43	45	31	100	1,40	SR355A046
74	43	45	31	150	1,40	SR355A047
74	43	45	31	200	1,40	SR355A048
94	43	65	31	75	1,50	SR355A065
94	43	65	31	100	1,50	SR355A066
94	43	65	31	150	1,50	SR355A067
94	43	65	31	200	1,50	SR355A068
124	43	95	31	75	1,70	SR355A095
124	43	95	31	100	1,70	SR355A096
124	43	95	31	150	1,70	SR355A097
124	43	95	31	200	1,70	SR355A098



R mm	H mm	N mm	M mm
75	193	140	315
100	243	165	395
150	343	215	555
200	443	265	710

Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

$$L = \frac{LS}{2} + M$$







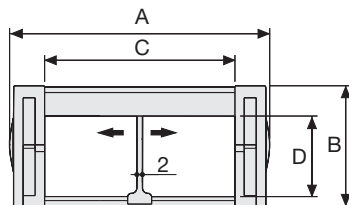
# Serie Medium

# SR355

## Nylon Cable Chain

### Inner height (D) 30 mm

Double share single link joining construction with large anti-friction single-pin. Not openable. Vertical separators are available. Due to its design with double-share lateral side, the chain is very robust, meanwhile offering very low friction. Used with guide channels, this chain is particularly suitable for long distance travel.



### Separator\*

- Unassembled	Part.no S355
- Assembled	Part.no S355MC

### Pin

Part.no PG355

### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

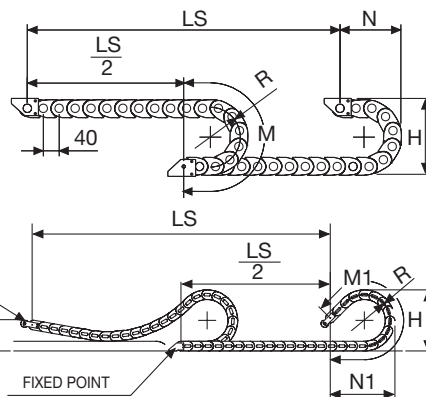
### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

\*Separator not to be used in long-stroke applications

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
74	45	45	30	75	1,35	SR355045
74	45	45	30	100	1,35	SR355046
74	45	45	30	150	1,35	SR355047
74	45	45	30	200	1,35	SR355048
94	45	65	30	75	1,45	SR355065
94	45	65	30	100	1,45	SR355066
94	45	65	30	150	1,45	SR355067
94	45	65	30	200	1,45	SR355068
124	45	95	30	75	1,65	SR355095
124	45	95	30	100	1,65	SR355096
124	45	95	30	150	1,65	SR355097
124	45	95	30	200	1,65	SR355098



R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
75	195	140	315	190	420
100	245	165	395	275	640
150	345	215	555	450	1075
200	445	265	710	620	1515

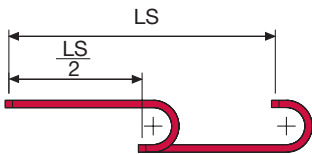
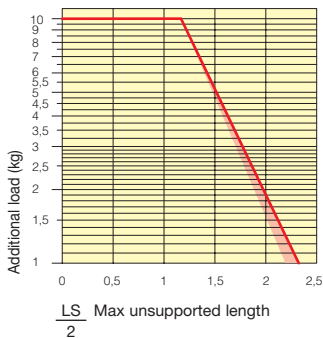
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

$$L = \frac{LS}{2} + M \text{ or } M1$$



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

### Nylon Type

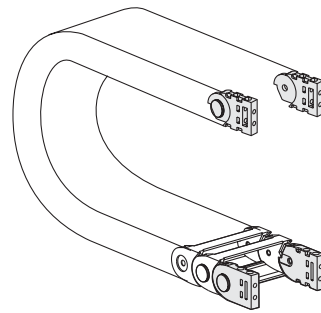


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*

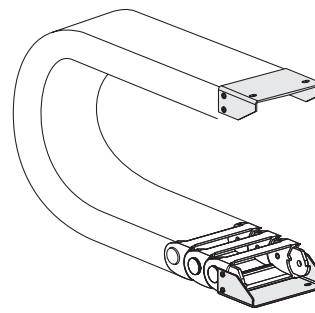
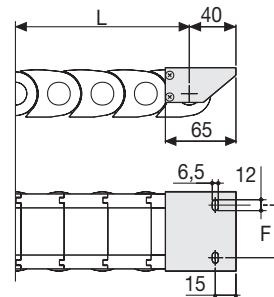
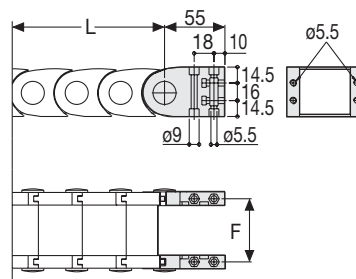


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR355 C=45	57
SR355 C=65	77
SR355 C=95	107

### Nylon Type Part Numbers

Complete Set Assembled Chain Type	End Brackets Set
SR355 C=45	AN355KM
SR355 C=65	AN355KM
SR355 C=95	AN355KM

Complete Set Unassembled Chain Type	End Brackets Set
SR355 C=45	AN355K
SR355 C=65	AN355K
SR355 C=95	AN355K

Chain Type	F mm
SR355 C=45	50
SR355 C=65	70
SR355 C=95	100

### Bright Zinc Plated Steel Type Part Numbers

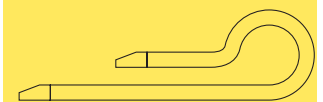
Complete Set Assembled Chain Type	End Brackets Set
SR355 C=45	AP355KM□**
SR355 C=65	AM355KM□**
SR355 C=95	AG355KM□**

Complete Set Unassembled Chain Type	End Brackets Set
SR355 C=45	AP355K□**
SR355 C=65	AM355K□**
SR355 C=95	AG355K□**

\*Available on request in stainless steel  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See end brackets mounting variations page 31.

## Serie Medium

## SR355 Nylon Cable Chain



Suitable to long travel distance.  
To choose the guide channel see page 80

Special tool to remove the connecting pivots:  
Part Number PZ010.

For further information please consult Brevetti Stendalto's Technical Office

## Serie Medium

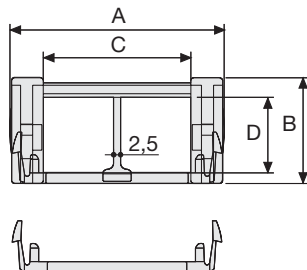
# SR400

## Nylon Cable Chain

### with removable frames

#### Inner height (D) 25 mm

Double share singlelink joining construction with large anti-friction single-pin. Frames removable from inner radius. Vertical separators are available. Wide frames on outer radius offer good protection. Due to its design with double-share lateral side, the chain is very robust, meanwhile offering very low friction.



#### Separator

- Unassembled	Part.no S400
- Assembled	Part.no S400MC

#### Pin

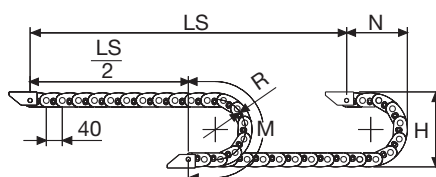
Part.no PG305

#### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
62	35	40	25	50	1,10	SR400040
62	35	40	25	75	1,10	SR400041
62	35	40	25	100	1,10	SR400042
62	35	40	25	150	1,10	SR400043
82	35	60	25	50	1,25	SR400060
82	35	60	25	75	1,25	SR400061
82	35	60	25	100	1,25	SR400062
82	35	60	25	150	1,25	SR400063

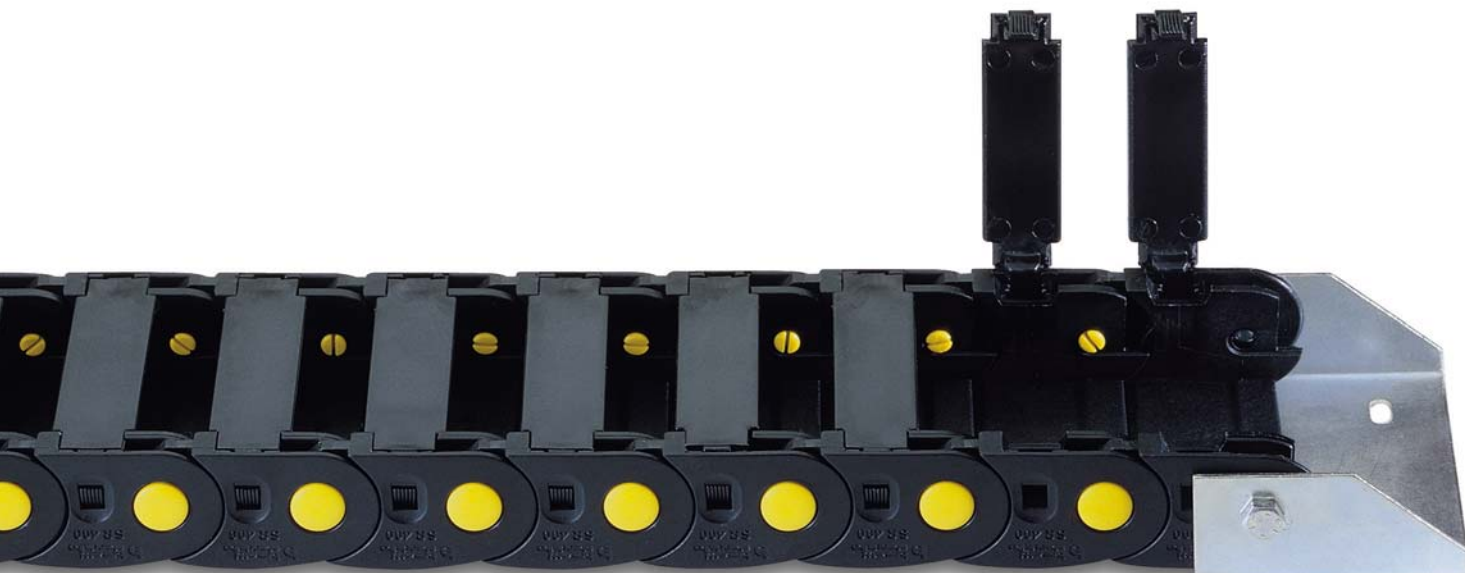


R mm	H mm	N mm	M mm
50	135	110	240
75	185	135	315
100	235	160	395
150	335	210	555

Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

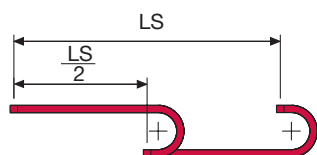
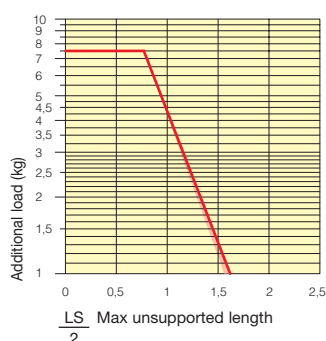
$$L = \frac{LS}{2} + M$$





## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

### Nylon Type

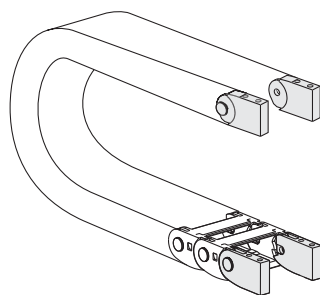


Fig. A  
Chain fixed outside/inside the radius. (Fig A)

### Bright Zinc Plated Steel Type\*

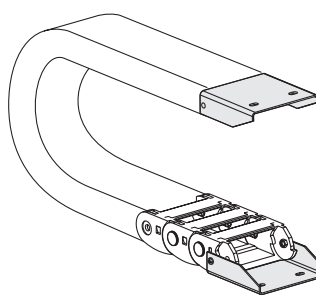
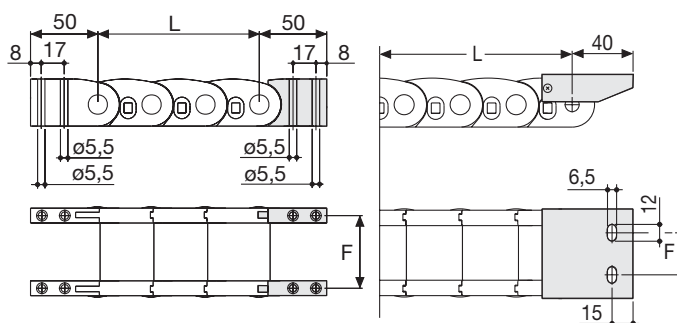


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR400 C=40	50
SR400 C=60	70

Chain Type	F mm
SR400 C=40	30
SR400 C=60	50

### Nylon Type Part Numbers

Complete Set Assembled	End Brackets
Chain Type	Set
SR400 C=40	AN400KM
SR400 C=60	AN400KM

Complete Set Unassembled	End Brackets
Chain Type	Set
SR400 C=40	AN400K
SR400 C=60	AN400K

### Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled	End Brackets
Chain Type	Set
SR400 C=40	AP400KM1
SR400 C=60	AG400KM1

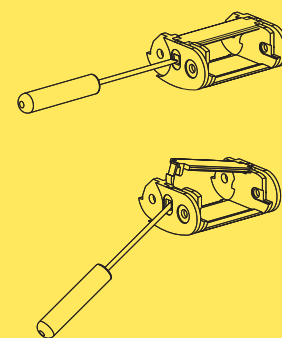
Complete Set Unassembled	End Brackets
Chain Type	Set
SR400 C=40	AP400K1
SR400 C=60	AG400K1

\* Available on request in stainless steel

## Serie Medium

## SR400

Nylon Cable Chain  
with removable frames



How to open the cover.

Special tool to remove the connecting pivots:  
Part Number PZ010.

For further information please consult Brevetti Stendalto's Technical Office

## SR435MI/SR435ME

### Nylon Cable Chain

### with openable frames

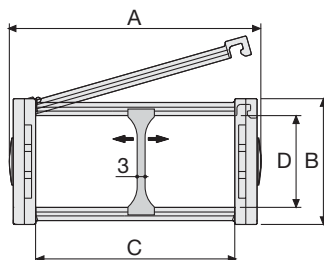
#### Inner height (D) 35 mm

Sideband & Frame construction with large anti-friction single-pin.

Frames openable from inner radius (SR435MI) or from outer radius (SR435ME).

Vertical separators are available.

This standard 35 mm chain offers very high load capacities, despite its compact construction.



#### Separator

- Unassembled	Part.no S4353
- Assembled	Part.no S4353MC

#### Pin

Part.no PG4353

#### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

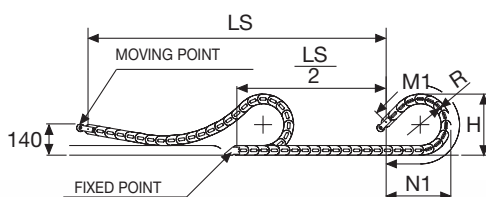
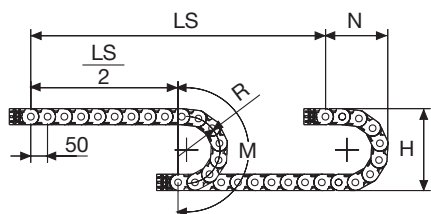
#### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
60	49	40	35	060-075-100-125-150-200	1,10	SR435MI(ME)040□□□*
70	49	50	35	060-075-100-125-150-200	1,15	SR435MI(ME)050□□□*
80	49	60	35	060-075-100-125-150-200	1,20	SR435MI(ME)060□□□*
96	49	76	35	060-075-100-125-150-200	1,30	SR435MI(ME)076□□□*
123	49	103	35	060-075-100-125-150-200	1,45	SR435MI(ME)103□□□*
145	49	125	35	060-075-100-125-150-200	1,55	SR435MI(ME)125□□□*
170	49	150	35	060-075-100-125-150-200	1,70	SR435MI(ME)150□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR435MI(ME)040 □ □ □



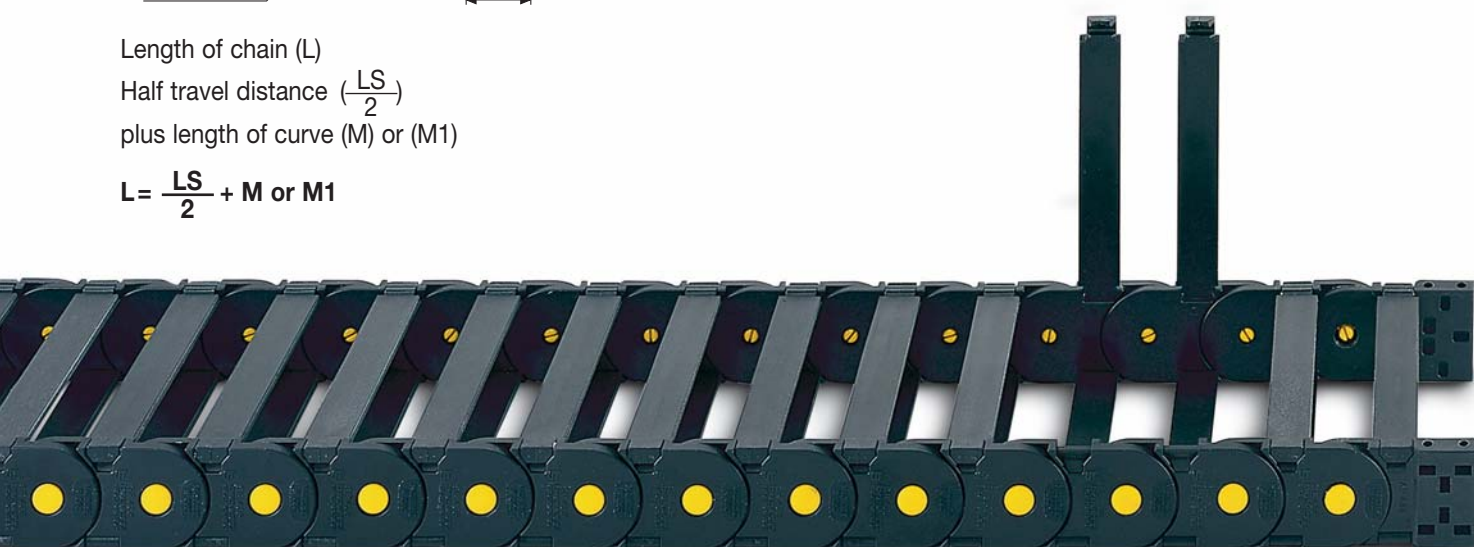
Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M) or (M1)

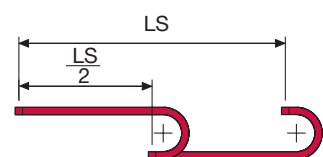
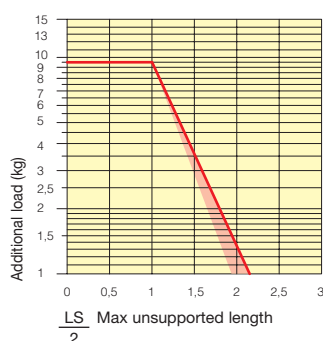
$$L = \frac{LS}{2} + M \text{ or } M1$$

R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
060	169	135	290	165	345
075	199	155	340	190	420
100	249	175	415	230	530
125	299	200	495	320	750
150	349	230	575	405	970
200	449	275	730	580	1405



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. Set complete with tiewrap clamps available on request.

### Nylon Type

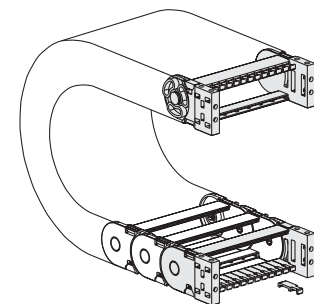
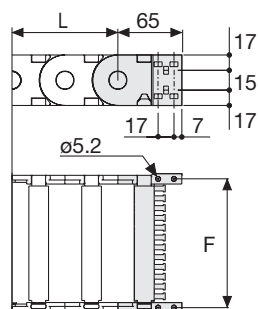


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



Chain Type	F mm
SR435MI(ME)040	52
SR435MI(ME)050	62
SR435MI(ME)060	72
SR435MI(ME)076	89
SR435MI(ME)103	116
SR435MI(ME)125	138
SR435MI(ME)150	164

### Nylon Type Part Numbers

Complete Set Assembled Chain Type	End Brackets Set
SR435... AN435M□□□*KM	

Complete Set Unassembled Chain Type	End Brackets Set
SR435... AN435M□□□*K	

### Tiewrap Clamp

Part Number
Assembl. SFC435M□□□*KM
Unassembl. SFC435M□□□*K

\* Complete the code by inserting the value of the quote C.

### Bright Zinc Plated Steel Type\*

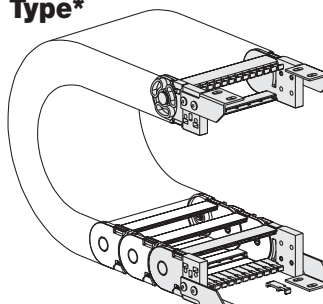
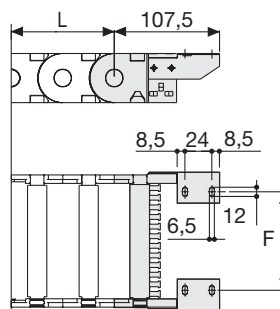


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR435MI(ME)040	28
SR435MI(ME)050	38
SR435MI(ME)060	48
SR435MI(ME)076	64
SR435MI(ME)103	91
SR435MI(ME)125	113
SR435MI(ME)150	138

### Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled Chain Type	End Brackets Set
SR435... A435M□□□KM□**	

Complete Set Unassembled Chain Type	End Brackets Set
SR435... A435M□□□K□**	

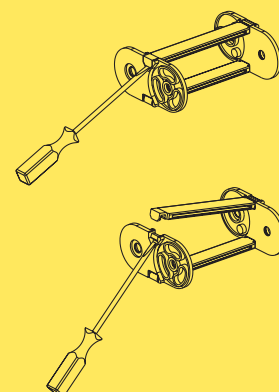
\* Available on request in stainless steel  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See end brackets mounting variations page 31.

## Serie Medium

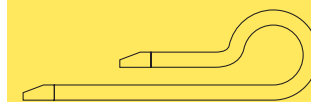
## SR435MI

## SR435ME

Nylon Cable Chain with openable frames



How to open the cover.



Suitable to long travel distance.  
To choose the guide channel see page 80

Special tool to remove the connecting pivots:  
Part Number PZ010.

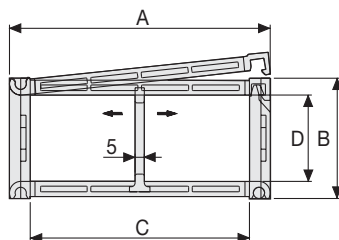
For further information please consult Brevetti Stendalto's Technical Office

## SR445MI/SR445ME

### Nylon Cable Chain with openable frames

#### Inner height (D) 45 mm

Sideband & Frame construction with large anti-friction single-pin. Frames openable from inner radius (SR445MI) or from outer radius (SR445ME). Vertical and horizontal modular separator system is available. This standard 45mm chain offers very high load capacities, despite its compact construction.



#### Separator

- Unassembled	Cod. S445
- Assembled	Cod. S445MC

#### Fastening separator

- Unassembled	Cod. S445SH
- Assembled	Cod. S445SHMC

#### Pin

Cod. PG445

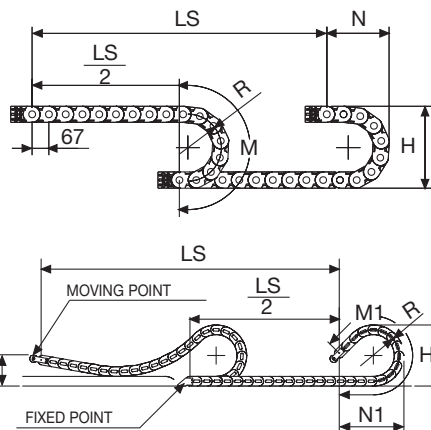
#### Technical characteristics when self-supported

Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

#### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

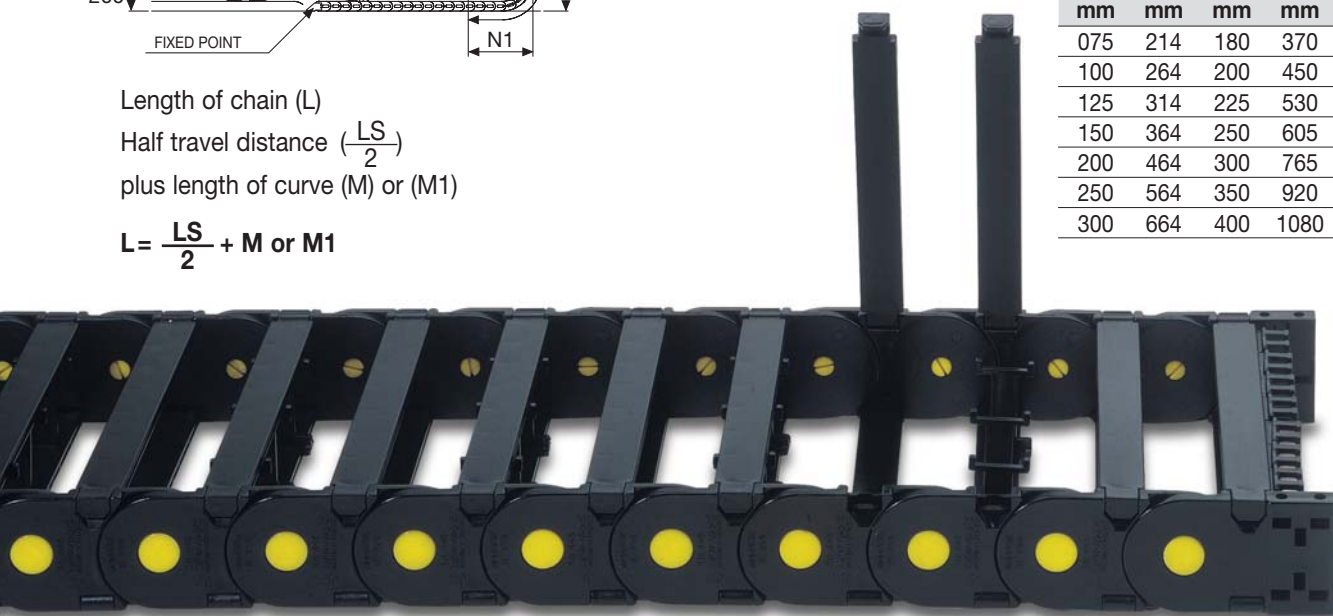
plus length of curve (M) or (M1)

$$L = \frac{LS}{2} + M \text{ or } M1$$

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
72	64	50	45	075-100-125-150-200-250-300	1,64	SR445MI(ME)050□□□*
83	64	61	45	075-100-125-150-200-250-300	1,64	SR445MI(ME)061□□□*
97	64	75	45	075-100-125-150-200-250-300	1,76	SR445MI(ME)075□□□*
103	64	81	45	075-100-125-150-200-250-300	1,79	SR445MI(ME)081□□□*
117	64	95	45	075-100-125-150-200-250-300	1,86	SR445MI(ME)095□□□*
122	64	100	45	075-100-125-150-200-250-300	1,87	SR445MI(ME)100□□□*
129	64	107	45	075-100-125-150-200-250-300	1,90	SR445MI(ME)107□□□*
139	64	117	45	075-100-125-150-200-250-300	1,93	SR445MI(ME)117□□□*
147	64	125	45	075-100-125-150-200-250-300	2,01	SR445MI(ME)125□□□*
158	64	136	45	075-100-125-150-200-250-300	2,07	SR445MI(ME)136□□□*
172	64	150	45	075-100-125-150-200-250-300	2,13	SR445MI(ME)150□□□*
197	64	175	45	075-100-125-150-200-250-300	2,25	SR445MI(ME)175□□□*
222	64	200	45	075-100-125-150-200-250-300	2,39	SR445MI(ME)200□□□*
233	64	211	45	075-100-125-150-200-250-300	2,44	SR445MI(ME)211□□□*
247	64	225	45	075-100-125-150-200-250-300	2,52	SR445MI(ME)225□□□*
274	64	252	45	075-100-125-150-200-250-300	2,66	SR445MI(ME)252□□□*
283	64	261	45	075-100-125-150-200-250-300	2,70	SR445MI(ME)261□□□*
334	64	312	45	075-100-125-150-200-250-300	2,92	SR445MI(ME)312□□□*
356	64	334	45	075-100-125-150-200-250-300	3,05	SR445MI(ME)334□□□*
384	64	362	45	075-100-125-150-200-250-300	3,18	SR445MI(ME)362□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR445MI(ME)050 □ □ □ □

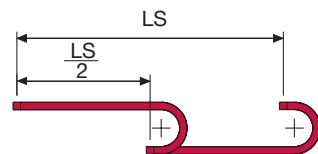
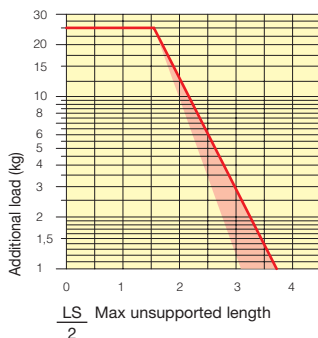
R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
075	214	180	370	205	425
100	264	200	450	230	505
125	314	225	530	285	655
150	364	250	605	375	875
200	464	300	765	550	1310
250	564	350	920	725	1750
300	664	400	1080	895	2185





## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chain.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. Set complete with tiewrap clamps available on request.

### Nylon Type

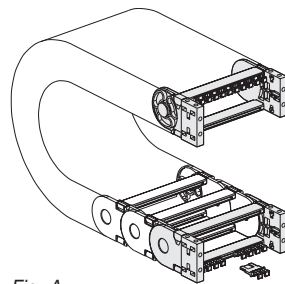
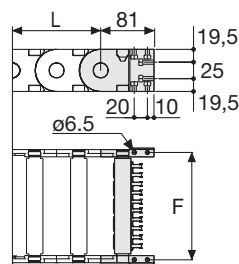


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



Chain Type	F mm
SR445MI(ME)050	63
SR445MI(ME)061	74
SR445MI(ME)075	88
SR445MI(ME)081	94
SR445MI(ME)095	108
SR445MI(ME)100	113
SR445MI(ME)107	120
SR445MI(ME)117	130
SR445MI(ME)125	138
SR445MI(ME)136	149
SR445MI(ME)150	163
SR445MI(ME)175	188
SR445MI(ME)200	213
SR445MI(ME)211	224
SR445MI(ME)225	238
SR445MI(ME)252	265
SR445MI(ME)261	274
SR445MI(ME)312	325
SR445MI(ME)334	347
SR445MI(ME)362	375

### Nylon Type Part Numbers

Complete Set Assembled Chain	End Brackets
Type	Set
SR445...	AN445M□□□*KM

Complete Set Unassembled Chain	End Brackets
Type	Set
SR445...	AN445M□□□*K

Tiewrap Clamp	Part Number
Assembled	SFC445 □□□*KM
Unassembled	SFC445 □□□*K

\* Complete the code by inserting the value of the quote C.

### Bright Zinc Plated Steel Type\*

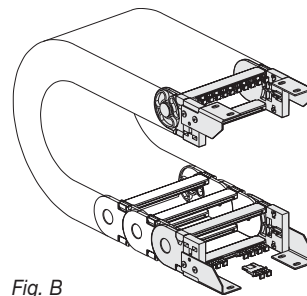
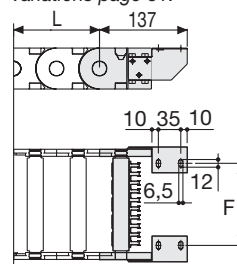


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR445MI(ME)050	28
SR445MI(ME)061	39
SR445MI(ME)075	53
SR445MI(ME)081	59
SR445MI(ME)095	73
SR445MI(ME)100	78
SR445MI(ME)107	85
SR445MI(ME)117	95
SR445MI(ME)125	103
SR445MI(ME)136	114
SR445MI(ME)150	128
SR445MI(ME)175	153
SR445MI(ME)200	178
SR445MI(ME)211	189
SR445MI(ME)225	203
SR445MI(ME)252	230
SR445MI(ME)261	239
SR445MI(ME)312	290
SR445MI(ME)334	312
SR445MI(ME)362	340

### Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled Chain	End Brackets
Type	Set
SR445...	A445M□□□KM□**

Complete Set Unassembled Chain	End Brackets
Type	Set
SR445...	A445M□□□K□**

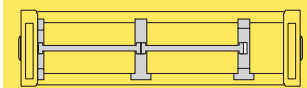
\*Available on request in stainless steel  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

See end brackets mounting variations page 31.

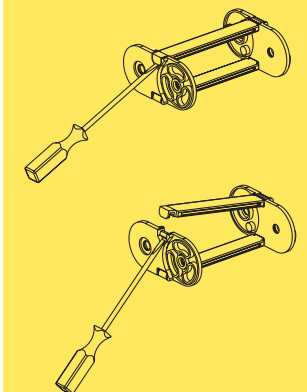
## Serie Medium

# SR445MI SR445ME

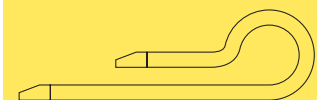
Nylon Cable Chain  
with openable frames



Separation System  
To choose the separators see page. 154



How to open the cover.



Suitable to long travel distance.  
To choose the guide channel see page 138

Special tool to remove the connecting pivots:  
Part Number PZ010.

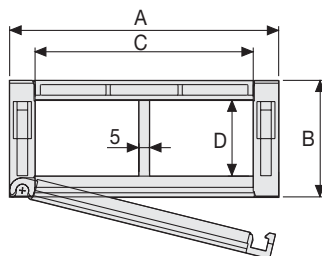
For further information please consult Brevetti Stendalto's Technical Office

# Serie Medium

## SR660A Nylon Cable Chain with openable frames

### Inner height (D) 37 mm

Double share Sideband & Frame construction with large anti-friction single-pin. Frames openable from inner radius. As standard the chain comes with frames every second link, on request with frames every link. Vertical and horizontal modular separator system is available.



### Separator

- Unassembled	Cod. S660A
- Assembled	Cod. S660AMC

### Fastning separator

- Unassembled	Cod. S660AH
- Assembled	Cod. S660AHMC

### Pin

Cod. PG660

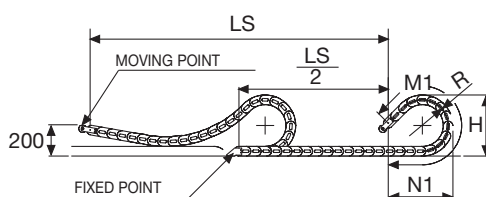
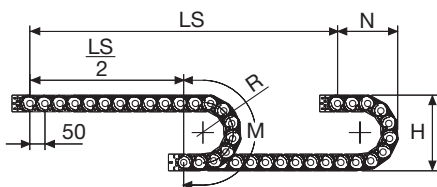
### Technical characteristics when self-supported

Speed	6 m/s
Acceleration	30 m/s <sup>2</sup>

### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M) or (M1)

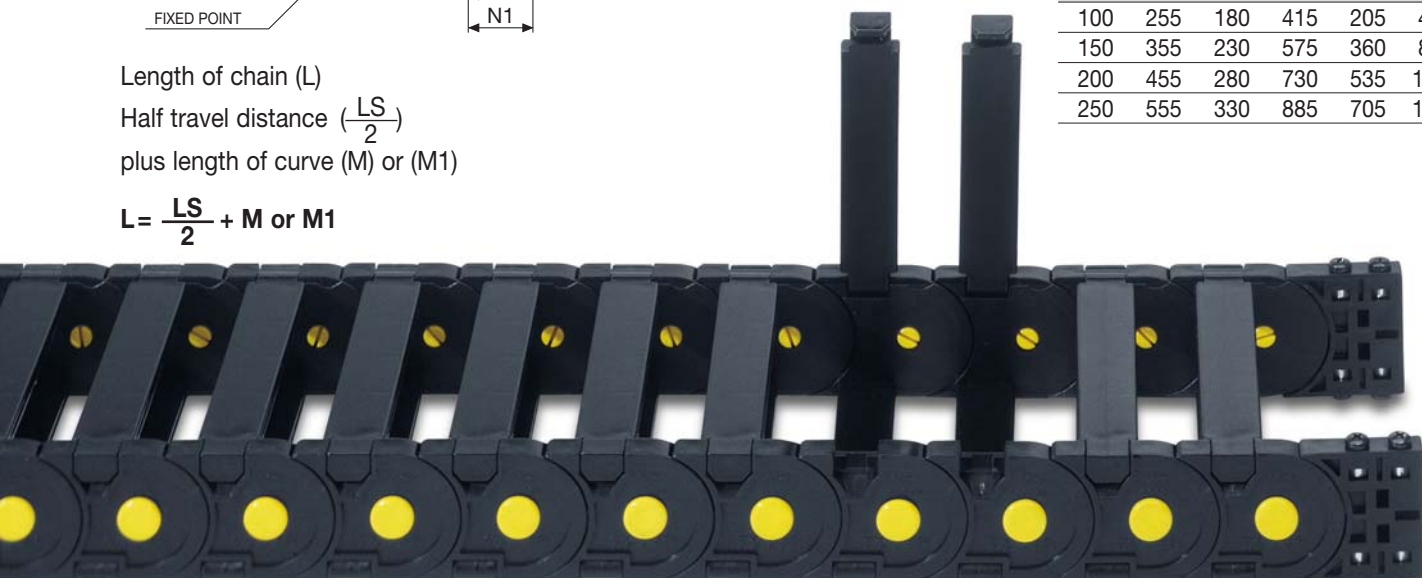
$$L = \frac{LS}{2} + M \text{ or } M1$$

A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
75	55	50	37	100-150-200-250	1,51	SR660A050□□□*
86	55	61	37	100-150-200-250	1,51	SR660A061□□□*
100	55	75	37	100-150-200-250	1,59	SR660A075□□□*
106	55	81	37	100-150-200-250	1,61	SR660A081□□□*
120	55	95	37	100-150-200-250	1,66	SR660A095□□□*
125	55	100	37	100-150-200-250	1,66	SR660A100□□□*
132	55	107	37	100-150-200-250	1,69	SR660A107□□□*
142	55	117	37	100-150-200-250	1,71	SR660A117□□□*
150	55	125	37	100-150-200-250	1,76	SR660A125□□□*
161	55	136	37	100-150-200-250	1,80	SR660A136□□□*
175	55	150	37	100-150-200-250	1,84	SR660A150□□□*
200	55	175	37	100-150-200-250	1,93	SR660A175□□□*
225	55	200	37	100-150-200-250	2,02	SR660A200□□□*
236	55	211	37	100-150-200-250	2,06	SR660A211□□□*
250	55	225	37	100-150-200-250	2,11	SR660A225□□□*
277	55	252	37	100-150-200-250	2,21	SR660A252□□□*
286	55	261	37	100-150-200-250	2,24	SR660A261□□□*
337	55	312	37	100-150-200-250	2,43	SR660A312□□□*
359	55	334	37	100-150-200-250	2,52	SR660A334□□□*
387	55	362	37	100-150-200-250	2,61	SR660A362□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR660A050 1 5 0

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. SR660A050150 D

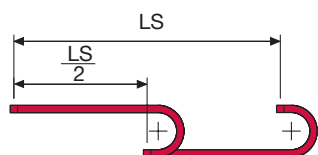
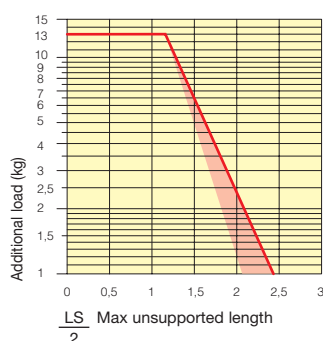
R mm	H mm	N mm	M mm	N1 mm	M1 mm
100	255	180	415	205	470
150	355	230	575	360	855
200	455	280	730	535	1290
250	555	330	885	705	1730



Version with frames mounted on every pitch.

## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



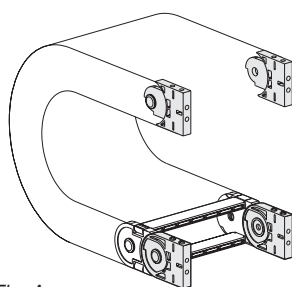
The red marking in the diagram area considers the difference of weight between various widths of chains assembled with nylon frames every second pitch.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

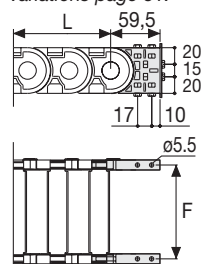
## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

## Nylon Type



**Fig. A**  
The chain can be fixed frontally,  
inner or outer radius. (Fig A)  
See end brackets mounting  
variations page 31.



Chain Type	F mm
SR660A050	61
SR660A061	72
SR660A075	86
SR660A081	92
SR660A095	106
SR660A100	111
SR660A107	118
SR660A117	128
SR660A125	136
SR660A136	147
SR660A150	161
SR660A175	186
SR660A200	211
SR660A211	222
SR660A225	236
SR660A252	263
SR660A261	272
SR660A312	323
SR660A334	345
SR660A362	373

## Nylon Type Part Numbers

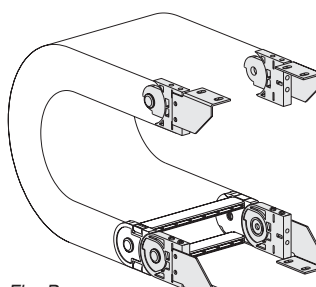
Complete Set Assembled	
Chain	End Brackets
Type	Set
SR660A...	AN660AKM

Complete Set	Unassembled
Chain	End Brackets
Type	Set
SR660A...	AN660AK

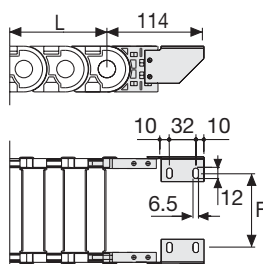
Tiewrap Clamp	
Chain Type	Tiewrap Clamp Part Number
SR660A...	SFC660A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *

\* Complete the code by inserting the value of the quote C.

**Bright Zinc Plated Steel  
Type\***



**Fig. B**  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR660A050	38
SR660A061	49
SR660A075	63
SR660A081	69
SR660A095	83
SR660A100	88
SR660A107	95
SR660A117	105
SR660A125	113
SR660A136	124
SR660A150	138
SR660A175	163
SR660A200	188
SR660A211	199
SR660A225	213
SR660A252	240
SR660A261	249
SR660A312	300
SR660A334	333
SR660A362	350

## Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled	
Chain	End Brackets
Type	Set
SR660A...	A660AKM <input type="checkbox"/> *

Complete Set	Unassembled
Chain	End Brackets
Type	Set
SR660A...	A660AK <input type="checkbox"/> *

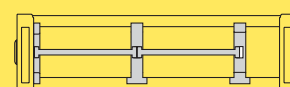
\*\* 1=Pos.1: 2=Pos.2: 3=Pos.3

See end brackets mounting variations  
page 31

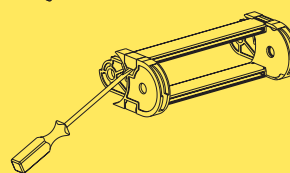
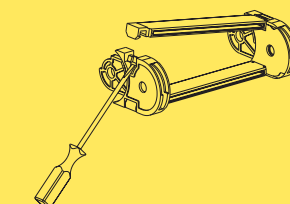
## Serie Medium

# SR660A

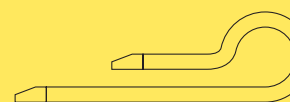
## Nylon Cable Chain with openable frames



**Separation System**  
To choose the separators see  
page. 154



**How to open the cover.**



**Suitable to long travel distance  
in frame every pitch version.  
To choose the guide channel  
see page 138**

**Special tool to remove the connecting pivots:  
Part Number PZ010.**

**For further information please  
consult Brevetti Stendalto's  
Technical Office**

## Serie Medium

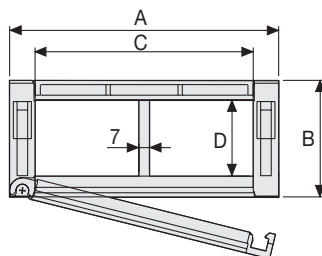
# SR770A

## Nylon Cable Chain

### with openable frames

#### Inner height (D) 60 mm

Double share Sideband & Frame construction with large anti-friction single-pin. Frames openable from inner radius. As standard the chain comes with frames every second link, on request with frames every link. Vertical and horizontal modular separator system is available.



#### Separator

- Unassembled	Part.no S770A
- Assembled	Part.no S770AMC

#### Pin

Part.no PG770

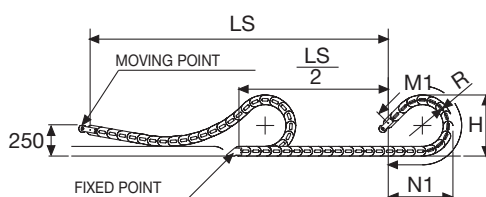
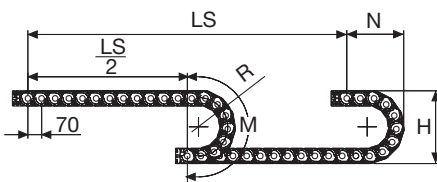
#### Technical characteristics when self-supported

Speed	6 m/s
Acceleration	30 m/s <sup>2</sup>

#### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M) or (M1)

$$L = \frac{LS}{2} + M \text{ or } M1$$

A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
80	78	45	60	150-200-250-300	2,25	SR770A045□□□*
91	78	56	60	150-200-250-300	2,25	SR770A056□□□*
105	78	70	60	150-200-250-300	2,31	SR770A070□□□*
111	78	76	60	150-200-250-300	2,32	SR770A076□□□*
125	78	90	60	150-200-250-300	2,36	SR770A090□□□*
130	78	95	60	150-200-250-300	2,36	SR770A095□□□*
137	78	102	60	150-200-250-300	2,38	SR770A102□□□*
147	78	112	60	150-200-250-300	2,39	SR770A112□□□*
155	78	120	60	150-200-250-300	2,43	SR770A120□□□*
166	78	131	60	150-200-250-300	2,46	SR770A131□□□*
180	78	145	60	150-200-250-300	2,49	SR770A145□□□*
205	78	170	60	150-200-250-300	2,55	SR770A170□□□*
230	78	195	60	150-200-250-300	2,62	SR770A195□□□*
241	78	206	60	150-200-250-300	2,65	SR770A206□□□*
255	78	220	60	150-200-250-300	2,68	SR770A220□□□*
282	78	247	60	150-200-250-300	2,75	SR770A247□□□*
291	78	256	60	150-200-250-300	2,77	SR770A256□□□*
342	78	307	60	150-200-250-300	2,88	SR770A307□□□*
364	78	329	60	150-200-250-300	2,94	SR770A329□□□*
392	78	357	60	150-200-250-300	3,01	SR770A357□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR770A045 □ □ □ □

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. SR770A045150 □

R mm	H mm	N mm	M mm	N1 mm	M1 mm
150	378	260	615	340	785
200	478	310	770	515	1220
250	578	365	930	690	1660
300	678	410	1085	865	2095







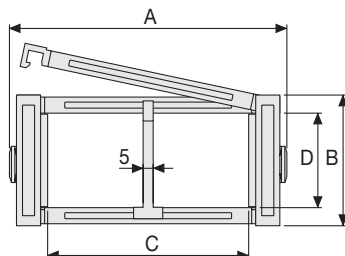
## SR475MI/SR475ME

### Nylon Cable Chain

### with openable frames

#### Inner height (D) 75,5 mm

Sideband & Frame construction with large anti-friction single-pin.  
Frames are openable from inner radius (SR475MI) or from outer radius (SR475ME).  
Vertical and horizontal modular separator system is available.



#### Separator

- Unassembled	Part.no S309S
- Assembled	Part.no S309SMC

#### Pin

Part.no PG475

#### Technical characteristics when self-supported

Speed	8 m/s
Acceleration	40 m/s <sup>2</sup>

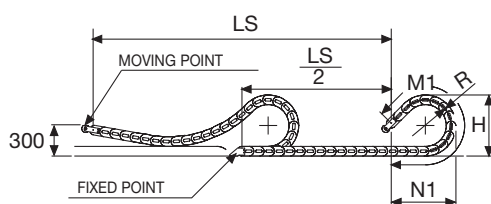
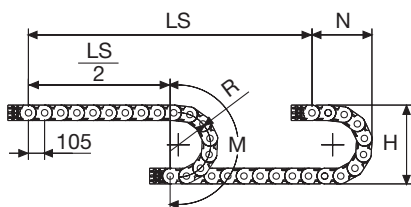
#### Technical characteristics when used in long travel distance

Speed	0,5 m/s
Acceleration	1 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
112	100,5	74	75,5	150-180-200-250-300-350-400	3,70	SR475MI(ME)074□□□*
132	100,5	94	75,5	150-180-200-250-300-350-400	3,80	SR475MI(ME)094□□□*
157	100,5	119	75,5	150-180-200-250-300-350-400	3,85	SR475MI(ME)119□□□*
164	100,5	126	75,5	150-180-200-250-300-350-400	3,90	SR475MI(ME)126□□□*
187	100,5	149	75,5	150-180-200-250-300-350-400	3,95	SR475MI(ME)149□□□*
227	100,5	189	75,5	150-180-200-250-300-350-400	4,05	SR475MI(ME)189□□□*
262	100,5	224	75,5	150-180-200-250-300-350-400	4,15	SR475MI(ME)224□□□*
312	100,5	274	75,5	150-180-200-250-300-350-400	4,30	SR475MI(ME)274□□□*
362	100,5	324	75,5	150-180-200-250-300-350-400	4,45	SR475MI(ME)324□□□*
412	100,5	374	75,5	150-180-200-250-300-350-400	4,60	SR475MI(ME)374□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR475MI(ME)119 □ □ □  
Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. SR475MI(ME)119150 □



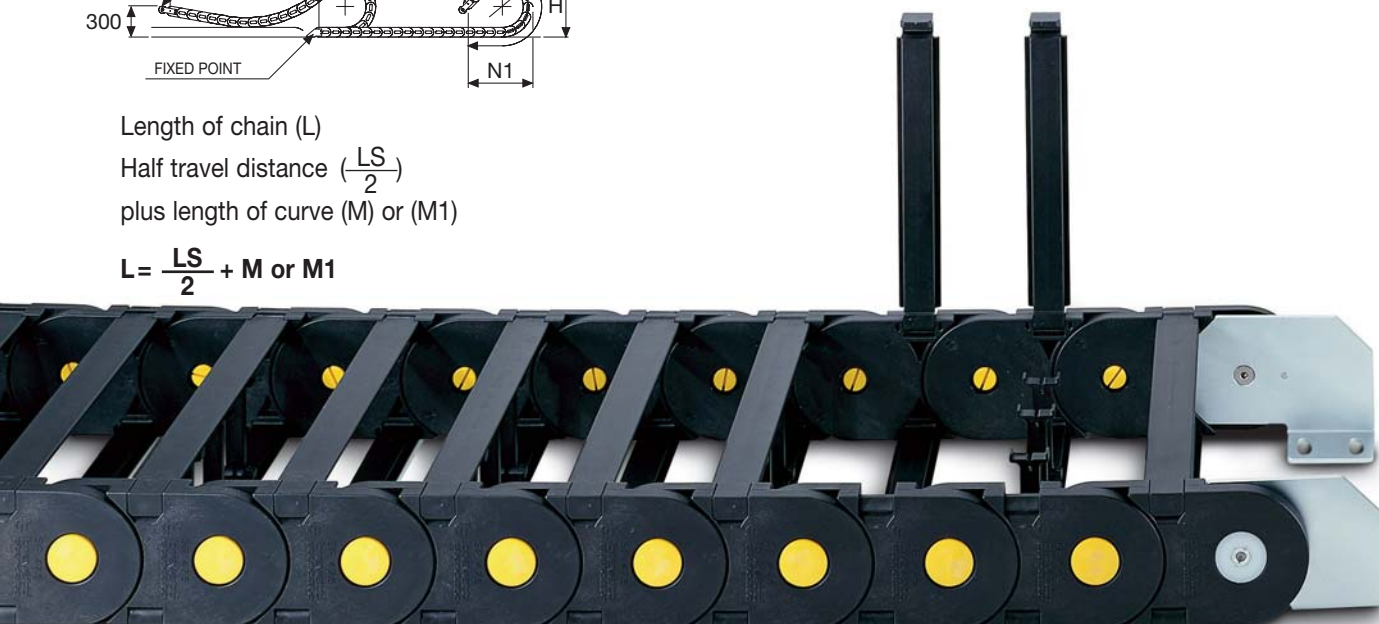
Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M) or (M1)

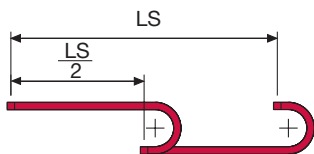
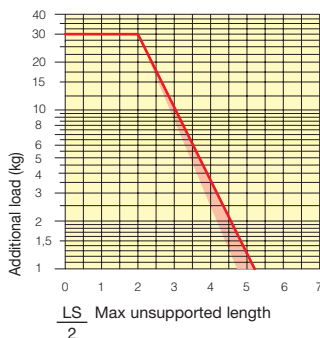
$$L = \frac{LS}{2} + M \text{ or } M1$$

R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
150	400,5	310	690	365	805
180	460,5	335	775	420	960
200	500,5	355	840	495	1135
250	600,5	405	995	670	1570
300	700,5	460	1155	845	2010
350	800,5	505	1310	1015	2445
400	900,5	560	1470	1190	2885



### Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chains assembled with nylon frames every second pitch.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

### Bright Zinc Plated Steel End Brackets\*

The end brackets set allows the two ends of the chain to be attached to the equipment.

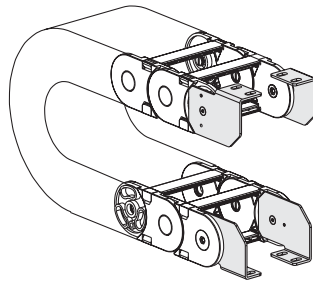
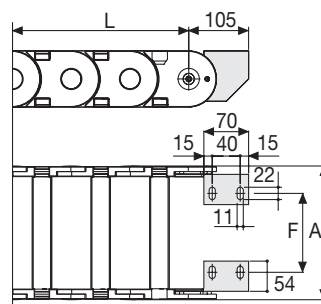


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR475MI(ME)074	35
SR475MI(ME)094	55
SR475MI(ME)119	80
SR475MI(ME)126	87
SR475MI(ME)149	110
SR475MI(ME)189	150
SR475MI(ME)224	185
SR475MI(ME)274	235
SR475MI(ME)324	285
SR475MI(ME)374	335

### Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled	Chain	End Brackets
Type	Type	Set
SR475...	A475M	□□□KM □**

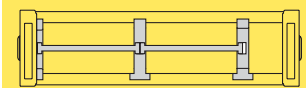
Complete Set Unassembled	Chain	End Brackets
Type	Type	Set
SR475...	A475M	□□□K □**

\*Available on request in stainless steel  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See end brackets mounting variations page 31.

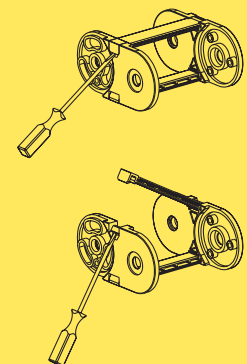
### Serie Medium

## SR475MI SR475ME

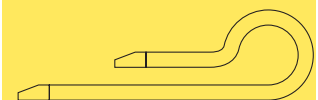
Nylon Cable Chain  
with openable frames



Separation System  
To choose the separators see page 154



How to open the cover.



Suitable to long travel distance in frame every pitch version.  
To choose the guide channel see page 140

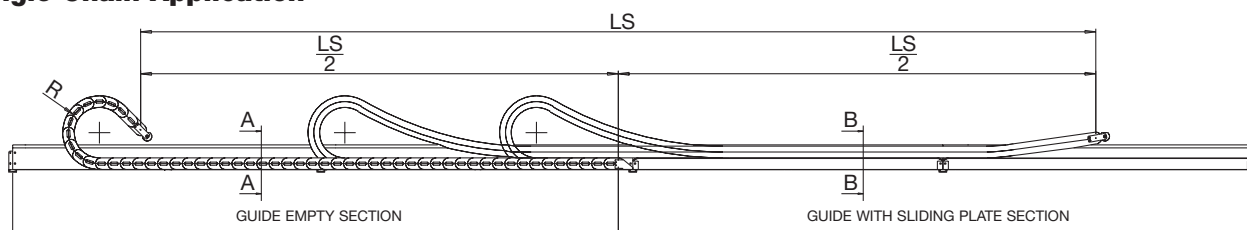
For further information please consult Brevetti Stendalto's Technical Office

# Serie Medium

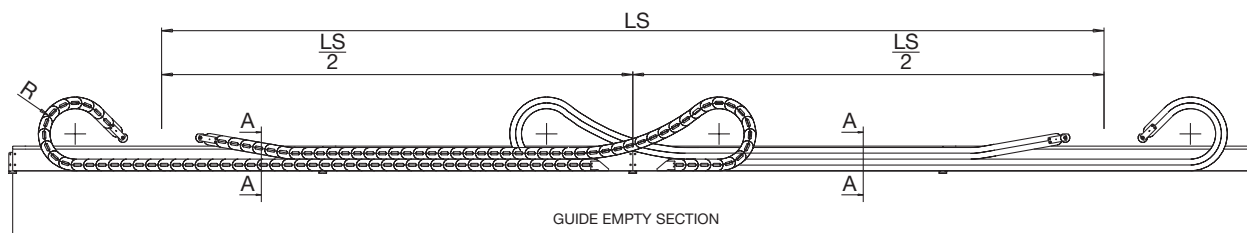
## Guide Channel SR305-SR355-SR435

Special Channel guide allows the use of the chain for long travel distance.  
Available in galvanised steel and, on request, in stainless steel

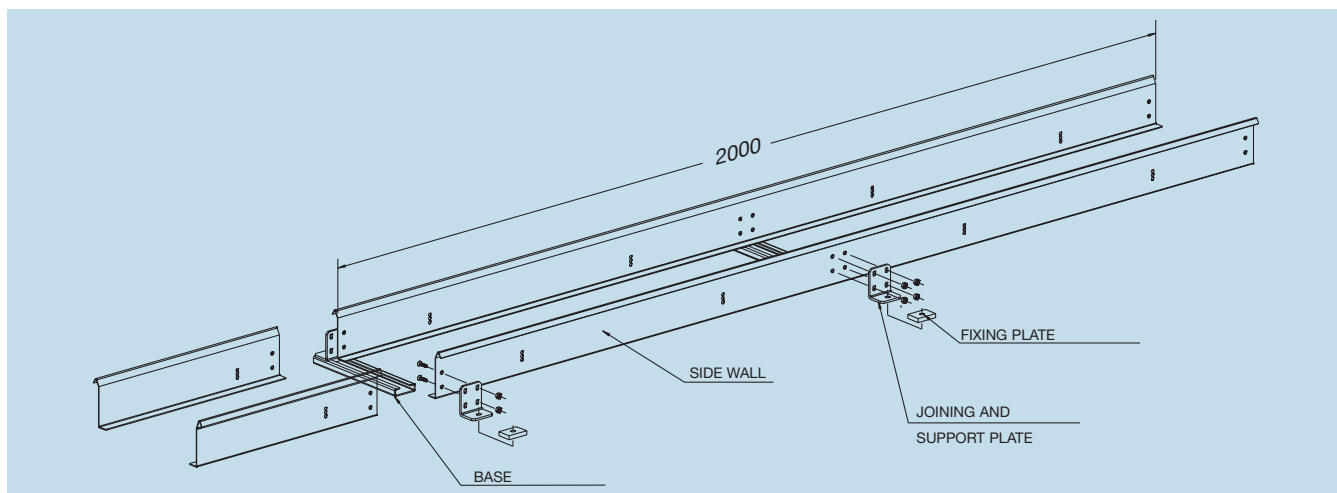
### Single Chain Application



### Double Chain Application



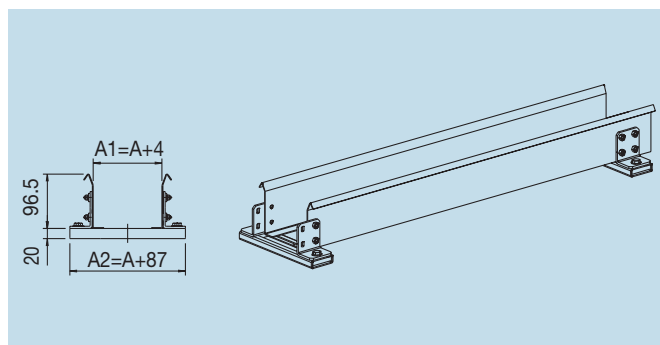
Channel guide is available in kit composed by:  
side walls 2 m standard length  
joining plates  
fixing screws





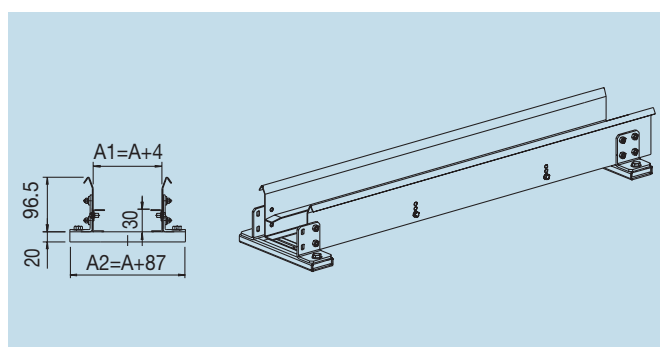
## Guide Empty Section SR305-SR355-SR435

Section A-A



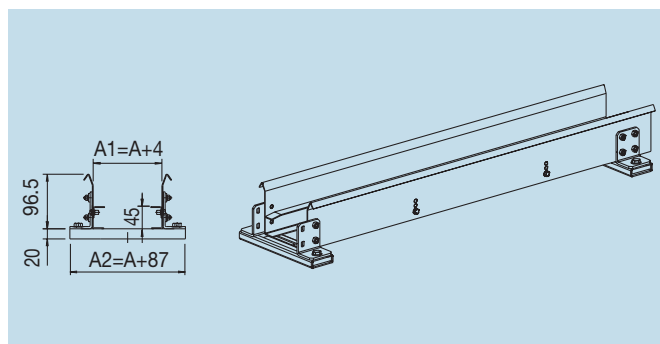
## Guide Sliding Plate Section SR305

Section B-B



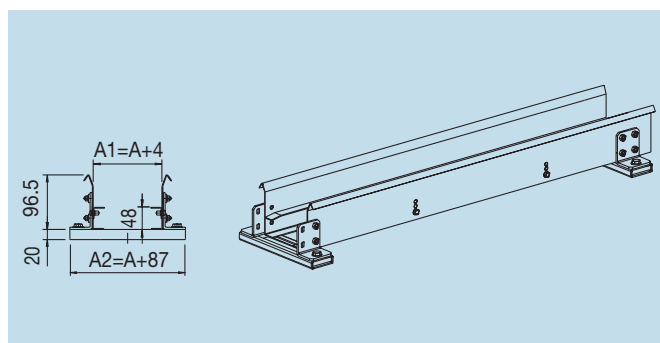
## Guide Sliding Plate Section SR355

Section B-B



## Guide Sliding Plate Section SR435

Section B-B



### Part Number

CS305...

How to order

Chain part number **SR305008**

Guide channel  
part number **CS305008**

CS355...

How to order

Chain part number **SR355045**

Guide channel  
part number **CS355045**

CS435...

How to order

Chain part number **SR435050060**

Guide channel  
part number **CS435050**

### Part Number

CA305...

How to order

Chain part number **SR305008**

Guide channel  
part number **CA305008**

### Part Number

CA355...

How to order

Chain part number **SR355045**

Guide channel  
part number **CA355045**

### Part Number

CA435...

How to order

Chain part number **SR435050060**

Guide channel  
part number **CA435050**

*Serie Medium*

3

For further information please  
consult Brevetti Stendalto's  
Technical Office

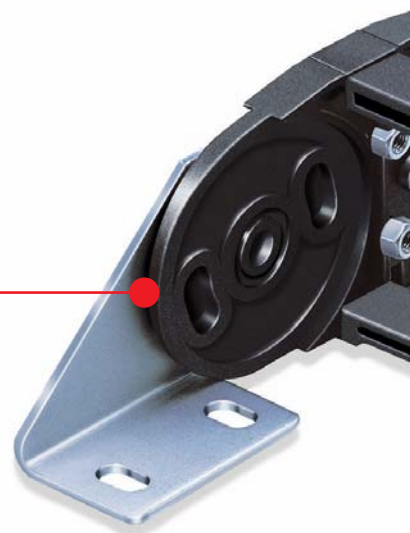


# Nylon Cable Chains Heavy Series

Series SR306SI-SR306SE	page 84
Series SR306B	page 86
Series SR306F	page 88
Series SR307SI-SR307SE	page 90
Series SR307B	page 92
Series SR307F	page 94
Series SR308SI-SR308SE	page 96
Series SR308B	page 98
Series SR308F	page 100
Series SR309SI-SR309SE	page 102
Series SR309B	page 104
Series SR310T	page 106
<hr/>	
Horizontal Separation	page 154 <b>New</b>

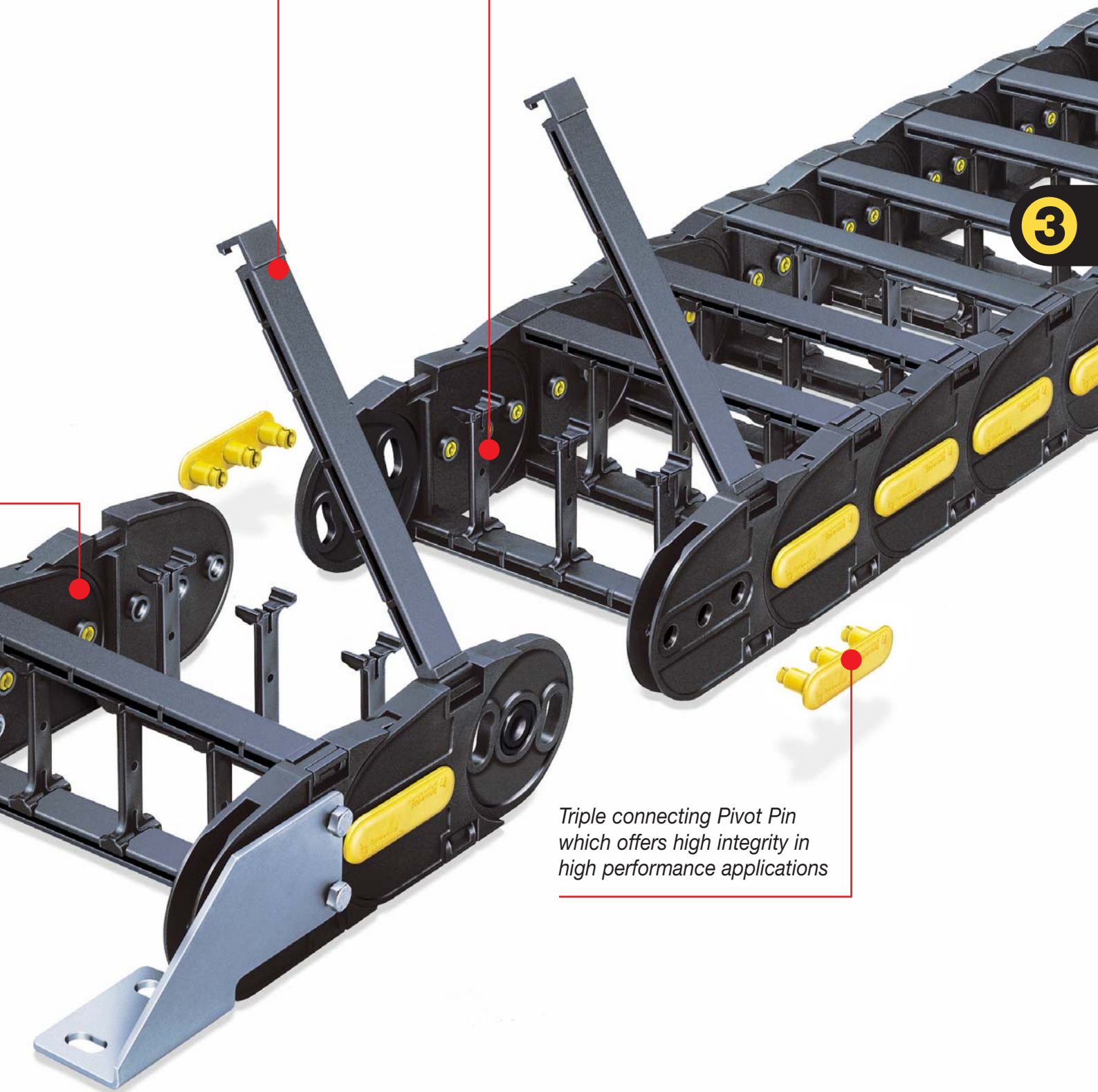
*Inner surface of chain completely smooth*

*Steel or nylon end brackets*



Wide range of cross pieces  
available in the following types:  
Open and close, with a  
“Snap-Fit” action  
Aluminium Rods  
With Pre-Drilled Holes

Nylon separator. Cables can be laid  
apart from each other



Triple connecting Pivot Pin  
which offers high integrity in  
high performance applications



## Serie Heavy

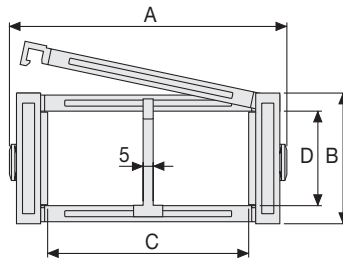
# SR306SI/SR306SE

## Nylon Cable Chain

### with openable frames

#### Inner height (D) 37 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Frames openable from inner radius (..SI) and outer radius (..SE). As standard the chain comes with frames every second link, on request with frames every link. Vertical and horizontal modular separator system is available.



#### Separator

- Unassembled	Cod. S660A
- Assembled	Cod. S660AMC

#### Fastning separator

- Unassembled	Cod. S660AH
- Assembled	Cod. S660AHMC

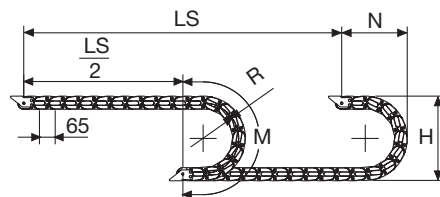
#### Pin

Cod. PG307

#### Technical characteristics when self-supported

Speed	8 m/s
Acceleration	40 m/s <sup>2</sup>

For higher requirements please consult our technical dept.



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M)

$$L = \frac{LS}{2} + M$$

R	H	N	M
mm	mm	mm	mm
075	205	170	370
107	269	205	470
150	355	245	605
200	455	295	760
250	555	345	920
300	655	395	1075

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
79	55	43	37	075-107-150-200-250-300	1,61	SR306SI(SE)043□□□*
90	55	54	37	075-107-150-200-250-300	1,61	SR306SI(SE)054□□□*
104	55	68	37	075-107-150-200-250-300	1,68	SR306SI(SE)068□□□*
110	55	74	37	075-107-150-200-250-300	1,70	SR306SI(SE)074□□□*
124	55	88	37	075-107-150-200-250-300	1,74	SR306SI(SE)088□□□*
129	55	93	37	075-107-150-200-250-300	1,74	SR306SI(SE)093□□□*
136	55	100	37	075-107-150-200-250-300	1,76	SR306SI(SE)100□□□*
146	55	110	37	075-107-150-200-250-300	1,77	SR306SI(SE)110□□□*
154	55	118	37	075-107-150-200-250-300	1,82	SR306SI(SE)118□□□*
165	55	129	37	075-107-150-200-250-300	1,85	SR306SI(SE)129□□□*
179	55	143	37	075-107-150-200-250-300	1,89	SR306SI(SE)143□□□*
204	55	168	37	075-107-150-200-250-300	1,96	SR306SI(SE)168□□□*
229	55	193	37	075-107-150-200-250-300	2,04	SR306SI(SE)193□□□*
240	55	204	37	075-107-150-200-250-300	2,07	SR306SI(SE)204□□□*
254	55	218	37	075-107-150-200-250-300	2,11	SR306SI(SE)218□□□*
281	55	245	37	075-107-150-200-250-300	2,19	SR306SI(SE)245□□□*
290	55	254	37	075-107-150-200-250-300	2,22	SR306SI(SE)254□□□*
341	55	305	37	075-107-150-200-250-300	2,34	SR306SI(SE)305□□□*
363	55	327	37	075-107-150-200-250-300	2,41	SR306SI(SE)327□□□*
391	55	355	37	075-107-150-200-250-300	2,49	SR306SI(SE)355□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR306SI(SE)110 □ □ □ □  
Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. SR306SI(SE)110150 □







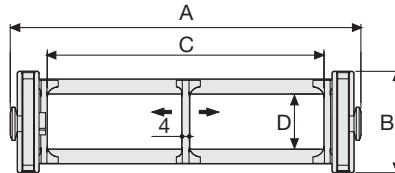
## Serie Heavy

# SR306B

## Nylon Cable Chain with un-screwable aluminium rods

### Inner height (D) 30 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Alu-rod frames are un-screwable from inner and outer radius. As standard the chain comes with frames every second link, on request with frames every link. Vertical and horizontal separator systems are available.



### Separator

- Unassembled	Part.no S2000F
- Assembled	Part.no S2000FMC

### Pin

Part.no PG307

### Technical characteristics when self-supported

Speed	8 m/s
Acceleration	40 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
115	55	75	30	075-107-150-200-250-300	1,60	SR306B075 □*
140	55	100	30	075-107-150-200-250-300	1,65	SR306B100 □*
190	55	150	30	075-107-150-200-250-300	1,80	SR306B150 □*
240	55	200	30	075-107-150-200-250-300	1,90	SR306B200 □*
290	55	250	30	075-107-150-200-250-300	2,00	SR306B250 □*
340	55	300	30	075-107-150-200-250-300	2,15	SR306B300 □*
C+40	55	.....	30	075-107-150-200-250-300		SR306B □□□ □**

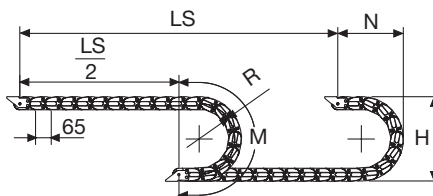
\*Complete the code by inserting the value of the radius (R): Ex. SR306B075 1

Where: 1=075; 2=107; 3=150; 4=200; 5=250; 6=300.

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. SR306B 1 2 3 1

Chain equipped with aluminium rods every pitch: complete the code by inserting the letter D.

Ex. SR306B0751 D



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M)

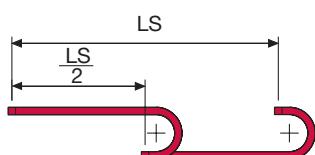
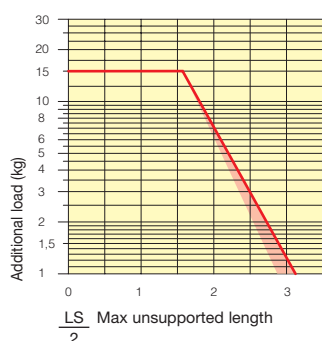
$$L = \frac{LS}{2} + M$$

R	H	N	M
mm	mm	mm	mm
075	205	170	370
107	269	205	470
150	355	245	605
200	455	295	760
250	555	345	920
300	655	395	1075



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chains assembled with rods every second pitch.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

### Nylon Type

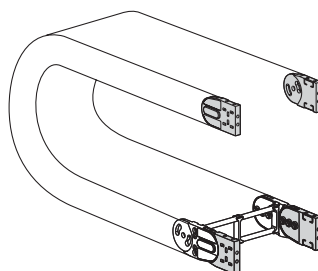


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*

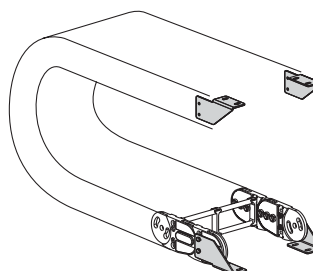
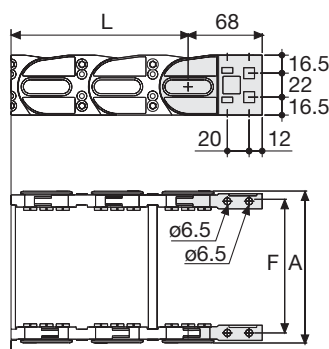


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

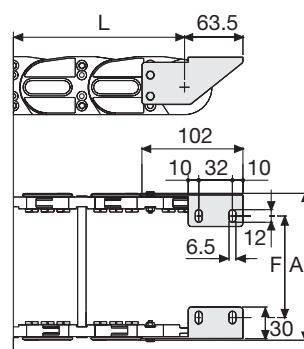


Chain Type	F mm
SR306B075	96
SR306B100	121
SR306B150	171
SR306B200	221
SR306B250	271
SR306B300	321
Special dimension F=A-19	

### Nylon Type Part Numbers

Complete Set Assembled	End Brackets
Chain Type	Set
SR306B...	AN306KM

Complete Set Unassembled	End Brackets
Chain Type	Set
SR306B...	AN306K



Chain Type	F mm
SR306B075	71
SR306B100	96
SR306B150	146
SR306B200	196
SR306B250	246
SR306B300	296
Special dimension F=A-44	

### Bright Zinc Plated Steel Type Part Numbers

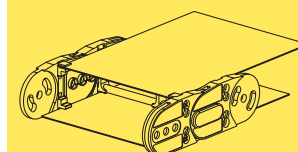
Complete Set Assembled	End Brackets
Chain Type	Set
SR306B...	A306KM □**

Complete Set Unassembled	End Brackets
Chain Type	Set
SR306B...	A306K □**

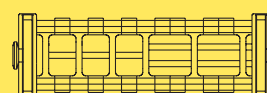
\*Available on request in stainless steel  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See end brackets mounting variations page 31.

## Serie Heavy

## SR306B Nylon Cable Chain with un-screwable aluminium rods



Steel laminar cover.



Supplementary movable separators.

Special tool to remove the connecting pivots:  
Part Number PZ036.

For further information please  
consult Brevetti Stendalto's  
Technical Office

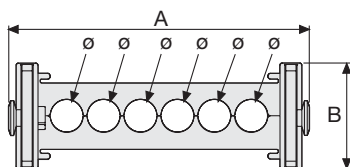
## Serie Heavy

# SR306F

## Nylon Cable Chain

### with un-screwable split cross pieces with holes

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Un-screwable nylon split cross pieces with different hole combinations. As standard the chain comes with frames every second link, on request with frames every link.



#### Pin

Part.no PG307

#### Technical characteristics when self-supported

Speed	8 m/s
Acceleration	40 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

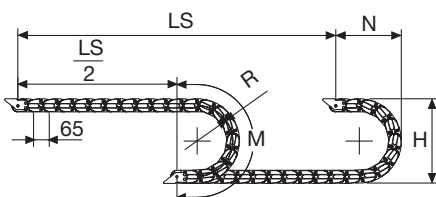
A mm	B mm	N. holes	Ø mm	R mm	Weight/m kg	Chain Part Number
89	55	2	22	075-107-150-200-250-300	1,80	SR306001 □*
155	55	6	17	075-107-150-200-250-300	2,05	SR306002 □*
193	55	6+2	17+20	075-107-150-200-250-300	2,30	SR306003 □*
214	55	6	25	075-107-150-200-250-300	2,55	SR306004 □*
113	55	3	23	075-107-150-200-250-300	1,95	SR306005 □*

\*Complete the code by inserting the value of the radius (R): Ex. SR306002 [1]

Where: 1=075; 2=107; 3=150; 4=200; 5=250; 6=300

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.

Ex. SR3060021 [D]



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

$$L = \frac{LS}{2} + M$$

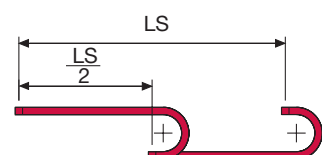
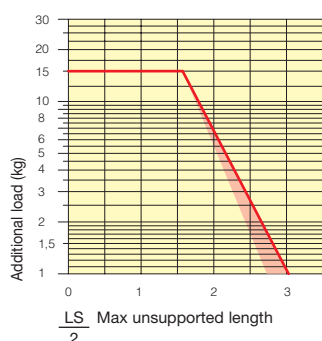
R mm	H mm	N mm	M mm
075	205	170	370
107	269	205	470
150	355	245	605
200	455	295	760
250	555	345	920
300	655	395	1075





## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chains assembled with nylon cross pieces every second pitch.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

### Nylon Type

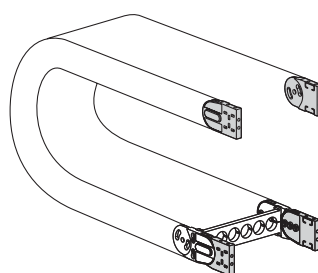


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*

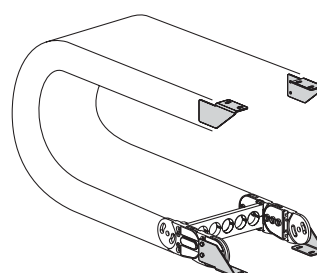
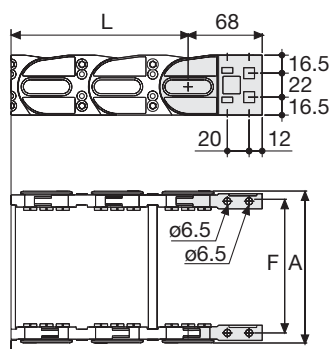
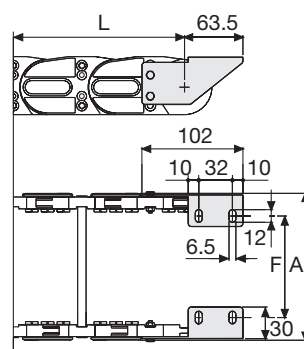


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR306001	70
SR306002	136
SR306003	174
SR306004	195
SR306005	94



Chain Type	F mm
SR306001	45
SR306002	111
SR306003	149
SR306004	170
SR306005	69

## Nylon Type Part Numbers

Complete Set Assembled	End Brackets
Chain Type	Set
SR30600...	AN306KM

Complete Set Unassembled	End Brackets
Chain Type	Set
SR30600...	AN306K

## Bright Zinc Plated Steel Type Part Numbers

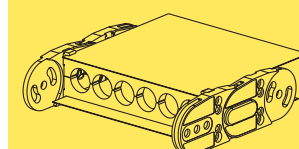
Complete Set Assembled	End Brackets
Chain Type	Set
SR30600...	A306KM <input type="checkbox"/> **

Complete Set Unassembled	End Brackets
Chain Type	Set
SR30600...	A306K <input type="checkbox"/> **

\*Available on request in stainless steel  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See end brackets mounting variations page 31.

## Serie Heavy

## SR306F Nylon Cable Chain with un-screwable nylon split cross pieces with holes



Steel laminar cover.

Special tool to remove the connecting pivots:  
Part Number PZ036.

For further information please consult Brevetti Stendalto's Technical Office

## Serie Heavy

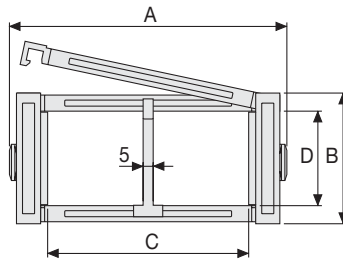
# SR307SI/SR307SE

## Nylon Cable Chain

### with openable frames

#### Inner height (D) 47 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Frames openable from inner radius (..SI) and outer radius (..SE). As standard the chain comes with frames every second link, on request with frames every link. Vertical and horizontal modular separator system is available.



#### Separator

- Unassembled	Cod. S307S
- Assembled	Cod. S307SMC

#### Fastning separator

- Unassembled	Cod. S307SH
- Assembled	Cod. S307SHMC

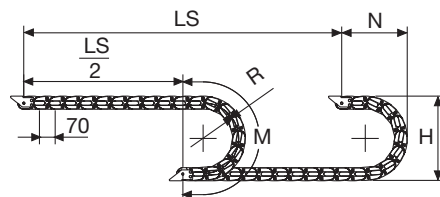
#### Pin

Cod. PG307

#### Technical characteristics when self-supported

Speed	8 m/s
Acceleration	40 m/s <sup>2</sup>

For higher requirements please consult our technical dept.



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M)

$$L = \frac{LS}{2} + M$$

R	H	N	M
mm	mm	mm	mm
075	214	180	375
090	244	195	425
120	304	225	520
140	344	245	580
200	464	305	770
250	564	355	925

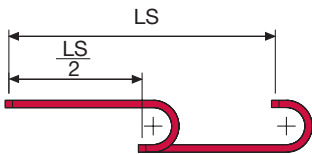
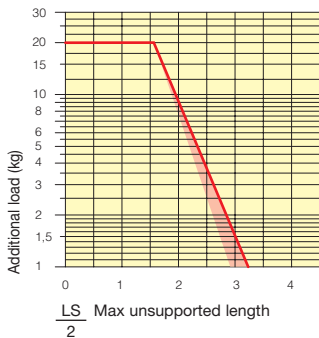
A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
80	64	42	47	075-090-120-140-200-250	1,86	SR307SI(SE)042□□□*
91	64	53	47	075-090-120-140-200-250	1,86	SR307SI(SE)053□□□*
105	64	67	47	075-090-120-140-200-250	1,92	SR307SI(SE)067□□□*
111	64	73	47	075-090-120-140-200-250	1,94	SR307SI(SE)073□□□*
125	64	87	47	075-090-120-140-200-250	1,97	SR307SI(SE)087□□□*
130	64	92	47	075-090-120-140-200-250	1,97	SR307SI(SE)092□□□*
137	64	99	47	075-090-120-140-200-250	1,99	SR307SI(SE)099□□□*
147	64	109	47	075-090-120-140-200-250	2,00	SR307SI(SE)109□□□*
155	64	117	47	075-090-120-140-200-250	2,05	SR307SI(SE)117□□□*
166	64	128	47	075-090-120-140-200-250	2,07	SR307SI(SE)128□□□*
180	64	142	47	075-090-120-140-200-250	2,10	SR307SI(SE)142□□□*
205	64	167	47	075-090-120-140-200-250	2,16	SR307SI(SE)167□□□*
230	64	192	47	075-090-120-140-200-250	2,23	SR307SI(SE)192□□□*
241	64	203	47	075-090-120-140-200-250	2,26	SR307SI(SE)203□□□*
255	64	217	47	075-090-120-140-200-250	2,30	SR307SI(SE)217□□□*
282	64	244	47	075-090-120-140-200-250	2,37	SR307SI(SE)244□□□*
291	64	253	47	075-090-120-140-200-250	2,39	SR307SI(SE)253□□□*
342	64	304	47	075-090-120-140-200-250	2,50	SR307SI(SE)304□□□*
364	64	326	47	075-090-120-140-200-250	2,56	SR307SI(SE)326□□□*
392	64	354	47	075-090-120-140-200-250	2,63	SR307SI(SE)354□□□*

\*Complete the code by inserting the value of the radius (R): Ex. SR307SI(SE)117 □ □ □ □  
Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. SR307SI(SE)117140 □



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity ( $\frac{LS}{2}$ ) in relationship to the weight of the cables and hoses contained per linear metre.



The red marking in the diagram area considers the difference of weight between various widths of chains assembled with nylon frames every second pitch.

For applications with  $\frac{LS}{2}$  and weights not included in the area of the diagram showing self-supporting capacity, verify the possible use of support rollers (see page 30).

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment.

### Nylon Type

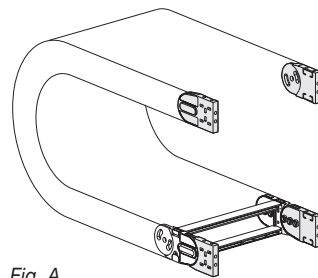


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*

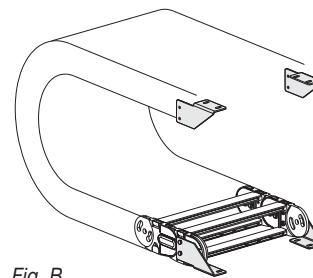
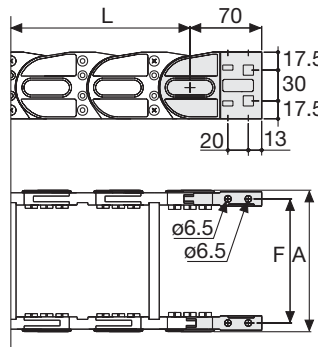


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

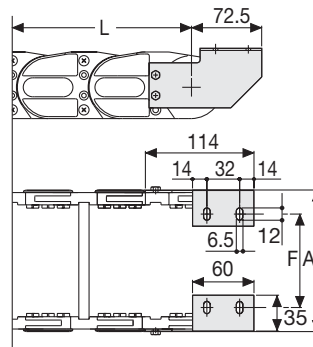


Chain Type	F mm
SR307SI(SE)042	61
SR307SI(SE)053	72
SR307SI(SE)067	86
SR307SI(SE)073	92
SR307SI(SE)087	106
SR307SI(SE)092	111
SR307SI(SE)099	118
SR307SI(SE)109	128
SR307SI(SE)117	136
SR307SI(SE)128	147
SR307SI(SE)142	161
SR307SI(SE)167	186
SR307SI(SE)192	211
SR307SI(SE)203	222
SR307SI(SE)217	236
SR307SI(SE)244	263
SR307SI(SE)253	272
SR307SI(SE)304	323
SR307SI(SE)326	345
SR307SI(SE)354	373

### Nylon Type Part Numbers

Complete Set Assembled Chain	End Brackets Set
SR307SI(SE)...	AN307KM

Complete Set Unassembled Chain	End Brackets Set
SR307SI(SE)...	AN307K



Chain Type	F mm
SR307SI(SE)042	31
SR307SI(SE)053	42
SR307SI(SE)067	56
SR307SI(SE)073	62
SR307SI(SE)087	76
SR307SI(SE)092	81
SR307SI(SE)099	88
SR307SI(SE)109	98
SR307SI(SE)117	106
SR307SI(SE)128	117
SR307SI(SE)142	131
SR307SI(SE)167	156
SR307SI(SE)192	181
SR307SI(SE)203	192
SR307SI(SE)217	206
SR307SI(SE)244	233
SR307SI(SE)253	242
SR307SI(SE)304	293
SR307SI(SE)326	315
SR307SI(SE)354	343

### Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled Chain	End Brackets Set
SR307SI(SE)...	A307SKM □ **

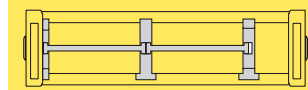
Complete Set Unassembled Chain	End Brackets Set
SR307SI(SE)...	A307SK □ **

\*Available on request in stainless steel  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See end brackets mounting variations page 31.

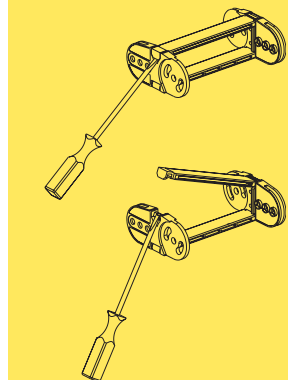
## Serie Heavy

# SR307SI SR307SE

Nylon Cable Chain  
with openable frames



Separation System  
To choose the separators see page. 154



How to open the cover.

Special tool to remove the connecting pivots:  
Part Number PZ036.

For further information please consult Brevetti Stendaito's Technical Office

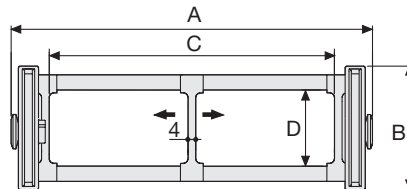
# Serie Heavy

## SR307B

### Nylon Cable Chain with un-screwable aluminium rods

#### Inner height (D) 40 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Alu-rod frames are un-screwable from inner and outer radius. As standard the chain comes with frames every second link, on request with frames every link. Vertical and horizontal separator systems are available.



#### Separator

- Unassembled	Part.no S307
- Assembled	Part.no S307MC

#### Pin

Part.no PG307

#### Technical characteristics when self-supported

Speed	8 m/s
Acceleration	40 m/s <sup>2</sup>

For higher requirements please consult our technical dept.

A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain Part Number
117	64	75	40	075-090-120-140-200-250	1,80	SR307B075 □ *
142	64	100	40	075-090-120-140-200-250	1,85	SR307B100 □ *
192	64	150	40	075-090-120-140-200-250	1,95	SR307B150 □ *
242	64	200	40	075-090-120-140-200-250	2,05	SR307B200 □ *
292	64	250	40	075-090-120-140-200-250	2,15	SR307B250 □ *
342	64	300	40	075-090-120-140-200-250	2,25	SR307B300 □ *
C+42	64	.....	40	075-090-120-140-200-250		SR307B □ □ □ □ **

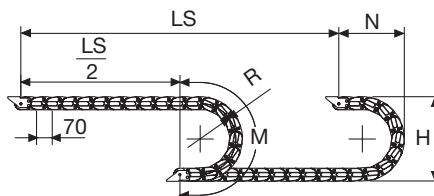
\*Complete the code by inserting the value of the radius (R): Ex. SR307B075 □

Where: 0=090; 1=120; 2=140; 3=200; 4=250; 7=075

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. SR307B □ □ □ □ □

Chain equipped with aluminium rods every pitch: complete the code by inserting the letter D.

Ex. SR307B0751 □



Length of chain (L)

Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M)

$$L = \frac{LS}{2} + M$$

R mm	H mm	N mm	M mm
075	214	180	375
090	244	195	425
120	304	225	520
140	344	245	580
200	464	305	770
250	564	355	925

