



CABLE CHAINS

**2025**  
**CATALOGUE**

# Summary

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# Brevetti Stendalto

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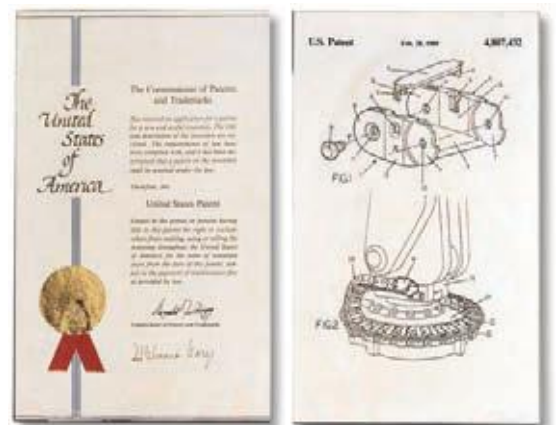


Brevetti Stendalto is the name of the Company founded almost 40 years ago when a highly dynamic new demand, emerging from the boost of automation concepts, was spreading over the most developed industrialized countries.

At that time, Mr. Giovanni Mauri (President and founder of Brevetti Stendalto) designed and started proposing nylon cable chains to be applied where steel cable chains were too heavy and expensive to fulfil customers' needs.

Looking beyond, he got off more than a new line of products, he gave the original profile to the Company: a successful collection of innovation, technical support, pragmatic solutions and products with the best cost & benefit ratio, able to give customers a real added value to the long-term partnership with Brevetti.

The constant evolution of the Company is presently borne through a wide range of plastic, steel and stainless steel chains for all kinds of applications, new modern premises in Monza and Mesero, branches in France and Germany and a consolidated worldwide sales network.



1989  
*Patent for the circular nylon cable chain.*

Glancing at short-term future, Brevetti is working on three main directions: development of customized chains for special projects, support to buyers and designers to make their choices more efficient through a real problem-solving approach, and extension of our range of standard products,

The latter, in particular, is necessary to meet the newest market requirements for higher performances with acceptable costs. Brevetti's greater and greater experience in all industrial sectors makes it easier.

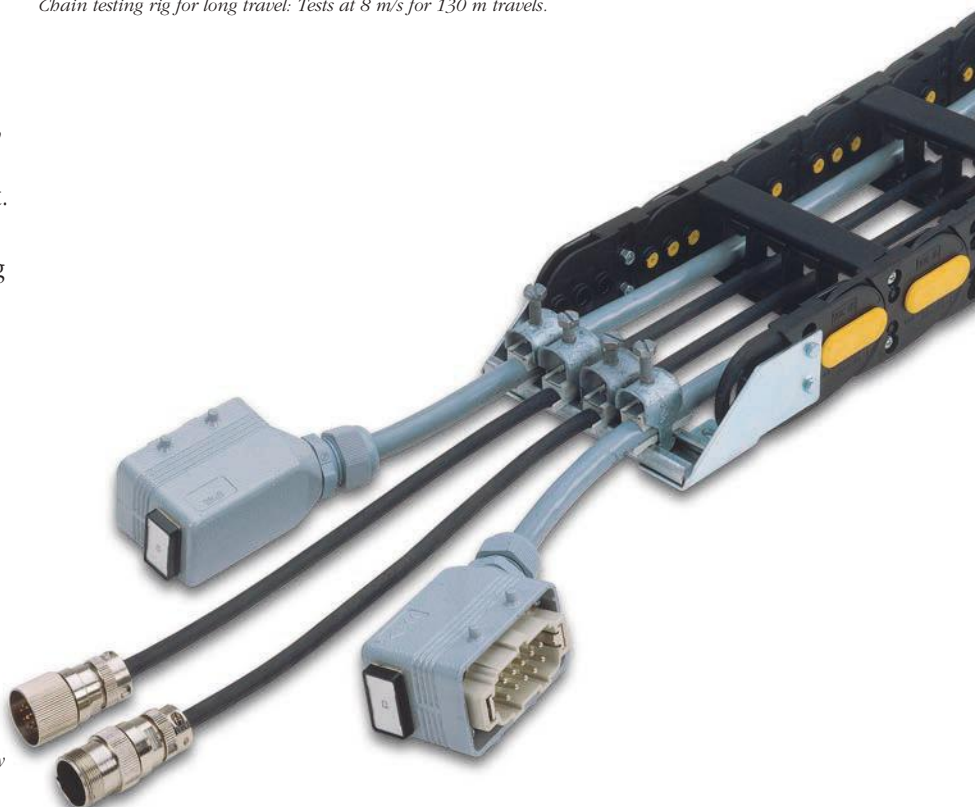
We in Brevetti believe that some special applications, such as offshore platforms and harbour cranes, must be faced with non-ordinary means. That is why we decided to give our customers the support of a "Special Projects Division" available to study customized solutions all over the world.

We always keep in mind that our customers have to be "free to project". This is Brevetti Stendalto's philosophy, and to empower it, we can offer our "Total Chain System", a new concept of cable chains completely finished with extra flexible cables and connectors. From the customer's point of view, it means saving costs due to wiring, assembling and installation time, reducing possible problems, and being certain to choose components of the highest reliability available on the market.

So, let's keep on growing together, still going ahead.



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



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

# 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](http://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](mailto: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.*



# 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**

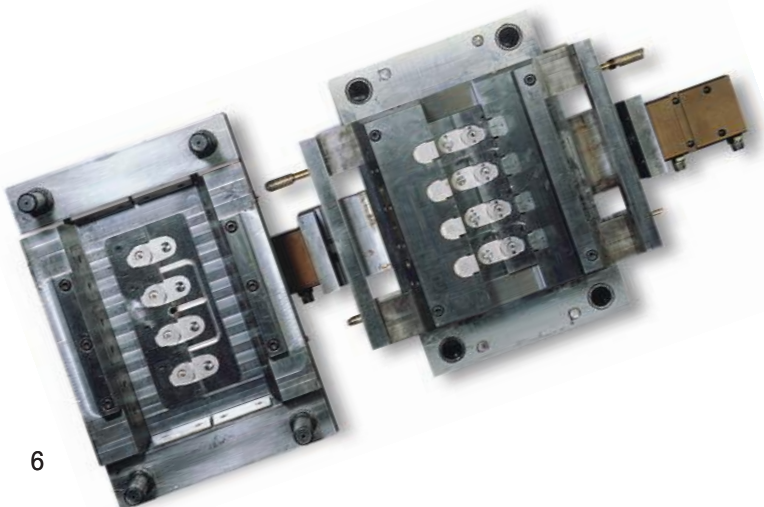
**Cable chain cables**



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



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



# UNI EN ISO 9001:2015

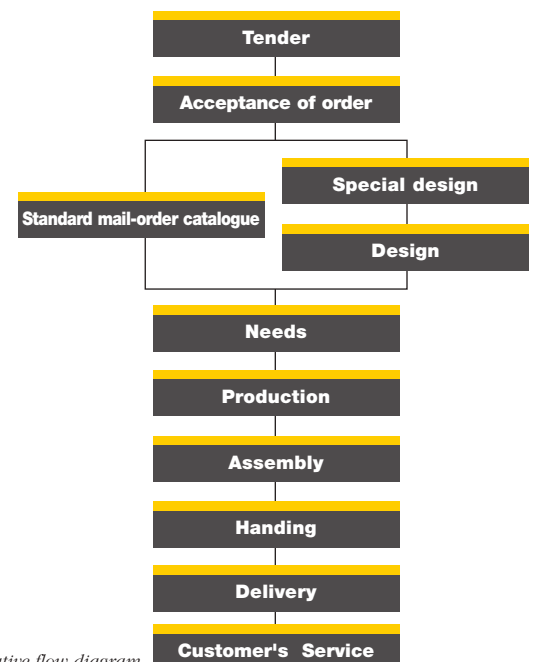
In Brevetti Stendalto the quality is a result of our activities.  
To be a success and reference company Brevetti Stendalto strives for:

- full satisfaction of our customers ever increasing requests.
- continuing improvement of our company capacities.
- valorization and improvement of our human resources.
- 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.

1



Certificate  
UNI EN ISO 9001:2008



Operative flow diagram



# The Way to Automation

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 30.*



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



*Machine tools equipped with Heavy series cable chains.*



*Circular nylon chains on welding robots.*



*Wending robot equipped with a nylon cable chain type 510 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.



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



*310 plastic chains and 45 stainless steel chains applied to "Oresund Bridge" between Sweden and Denmark.*









# Technical Information

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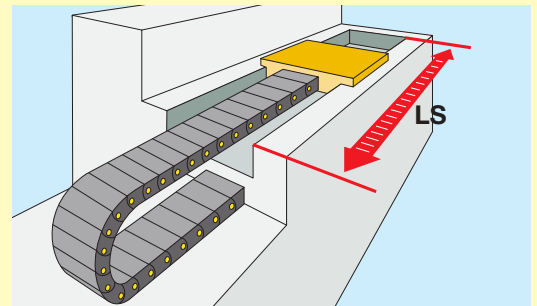
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# Necessary Data to Determine the Type of Cable Chain

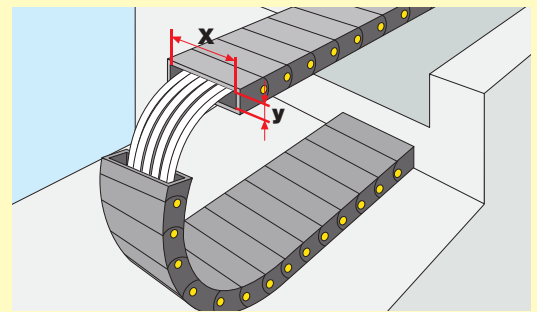
The choice of cable chain should not only be based on a mathematical calculation of certain factors but should consider and analyse carefully all the available data. The following information will be provide a basic help in making the right decision.

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.

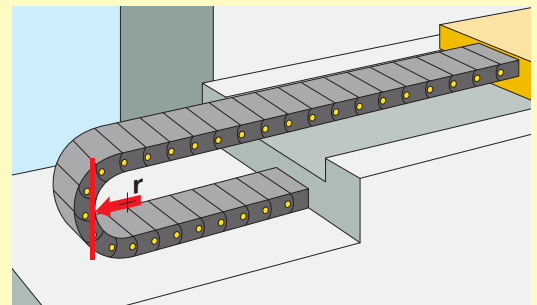
To request a personalised project please fill out the form found on page 249. It will be a pleasure for us to find an immediate solution to your problem.



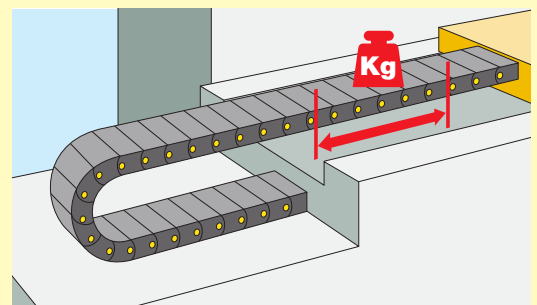
Determining the length of the travelling distance LS.



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

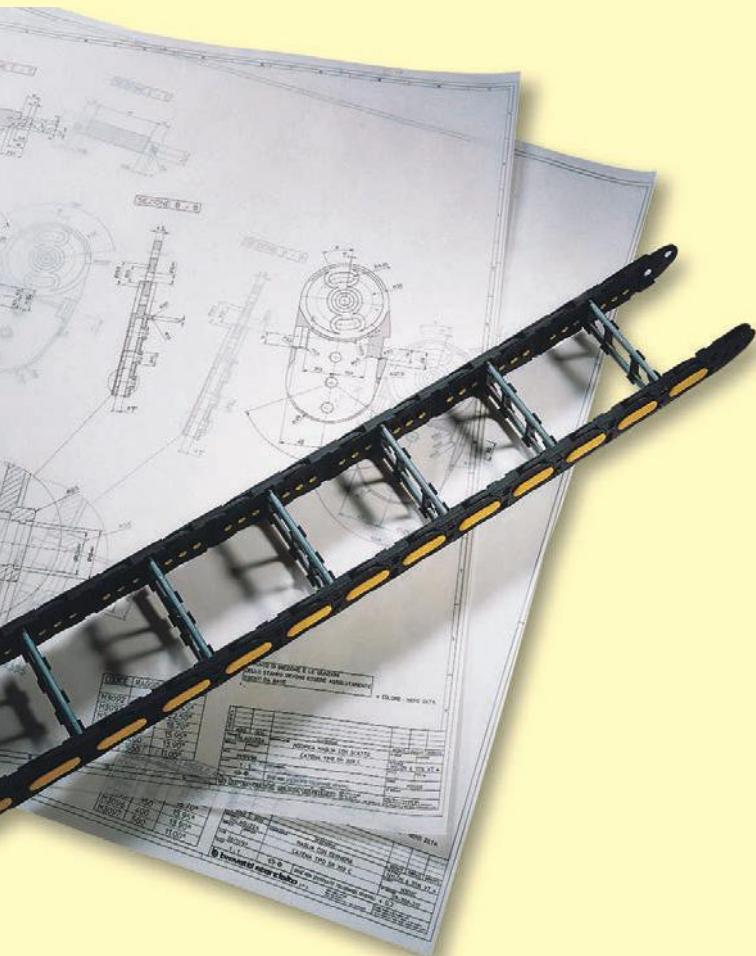


Determining the radius of curvature of the cable chain in relationship to the flexibility characteristics of cables/hoses.



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

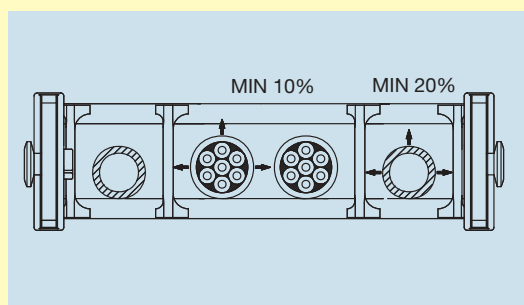
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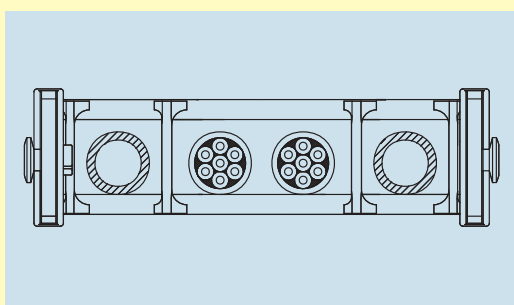


# Placement of Cables/Hoses in the Cable Chains

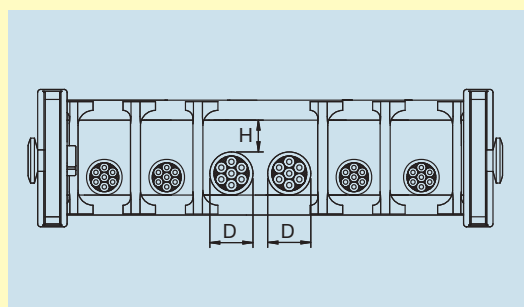
To guarantee that cable chain functions properly and to avoid any damage to the cables/hoses within, certain criteria concerning the placement must be followed:



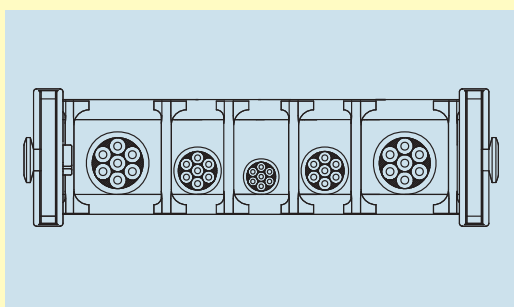
For electric cables a clearance of at least 10% between the placement of the cable and its diameter has to be guaranteed; for hydraulic hoses the clearance should be at least 20%.



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

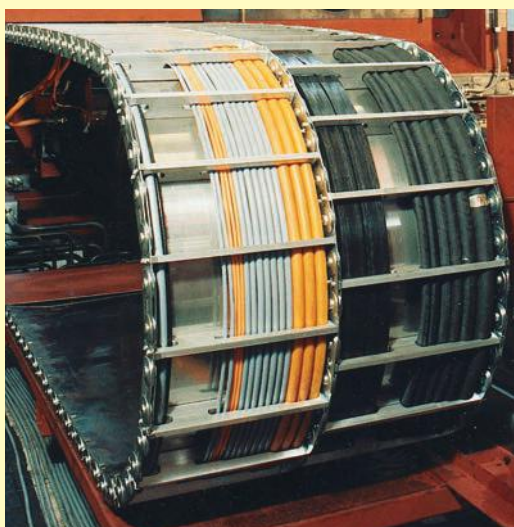


In the application of several cables/hoses it is preferable to avoid them rubbing each other by placing them singularly in the appropriate space and separating them from each other by the separators. If this is not possible, verify that the internal space does not allow the rubbing of the cables/hoses.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



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 246.



A 30 chain in steel with three bands and separations between electric cables and hydraulic hoses..

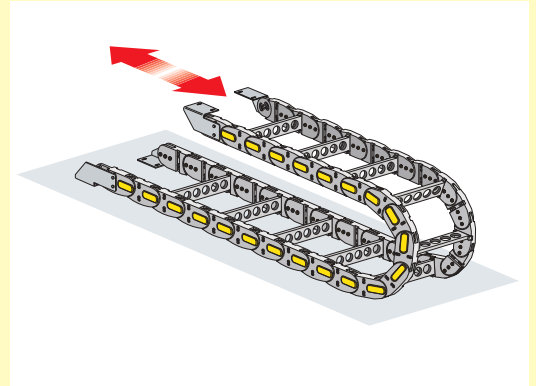
# Mounting Variations

## Chains Placed Horizontally

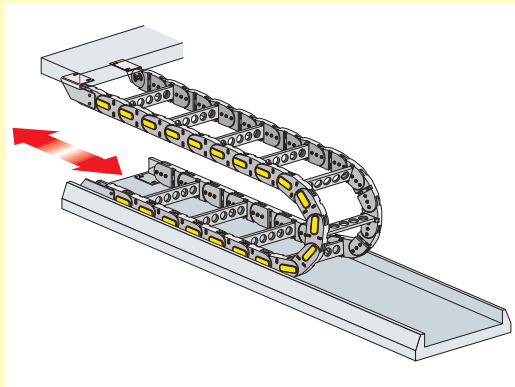
Brevetti Stendalto chains, thanks to a large range of models and versions, satisfy many requirements in variety and combination of motions. On this page the various combinations of mounting are listed.

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.

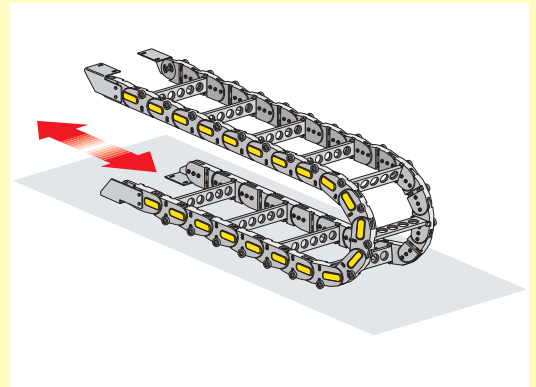
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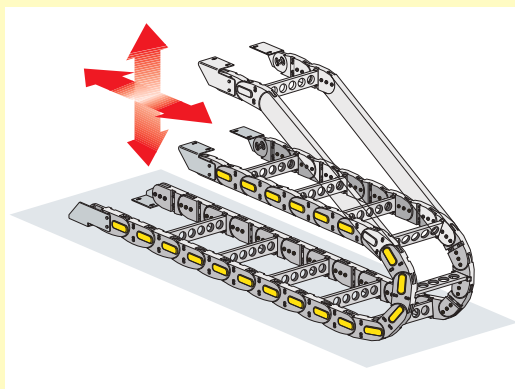
*Horizontal with mobile point above.*



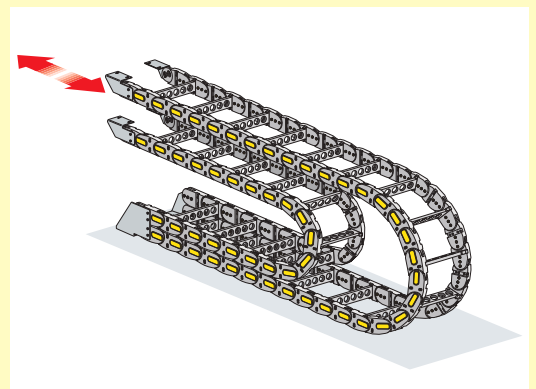
*Horizontal with mobile point below  
(to the car).*



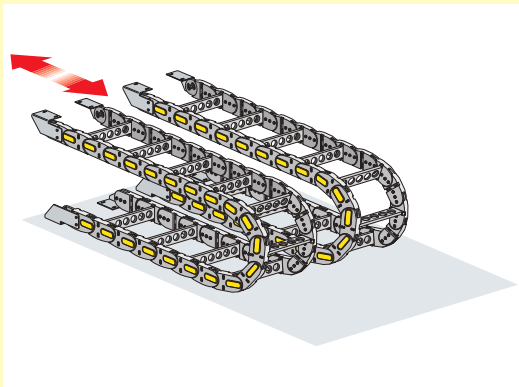
*Horizontal with mobile point below.*



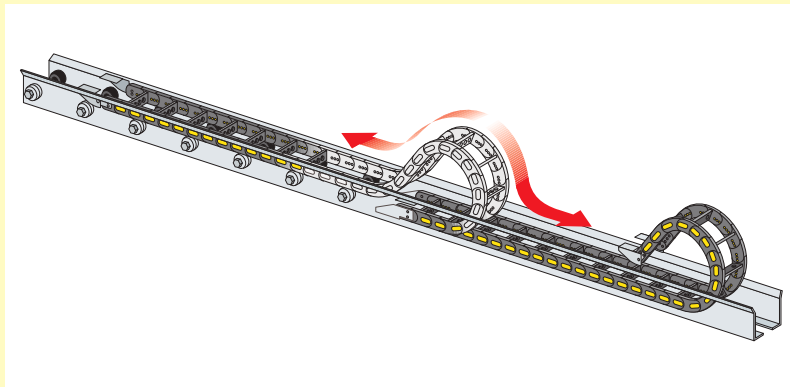
*Combination of both vertical and horizontal movement.*



*Superimposed chains.*

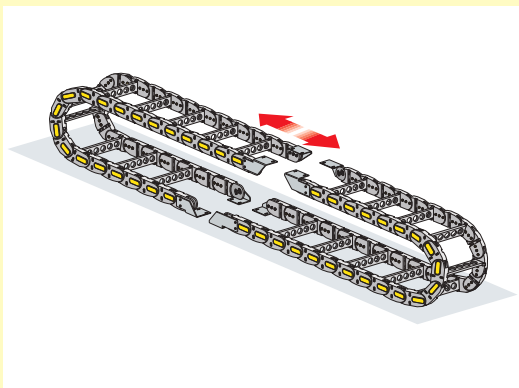


*Chains positioned in parallel.*

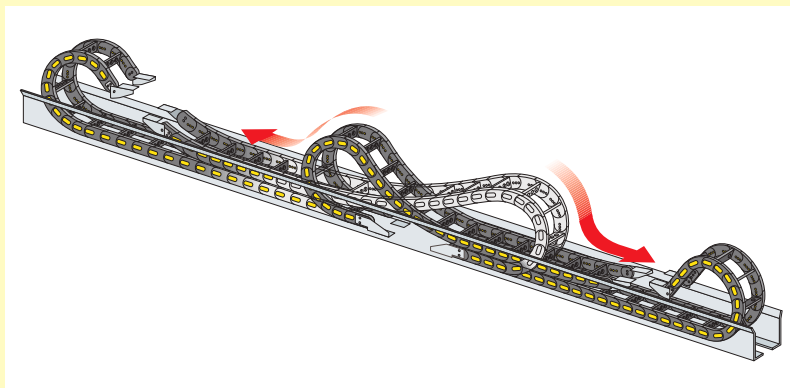


*Long horizontal - 1 chain  
(see page 22).*

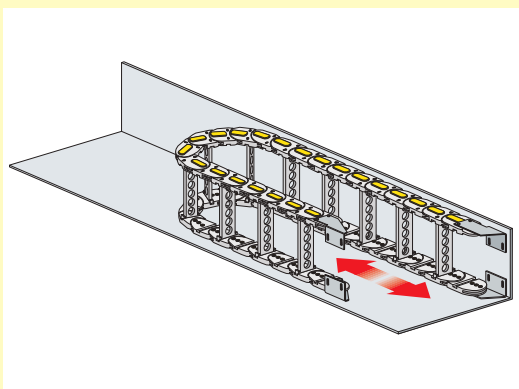
**2**



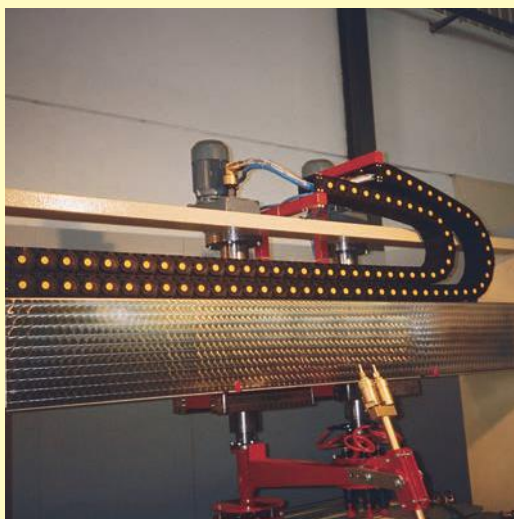
*Chain making a ring configuration.*



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



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



*Model 700  
chains in nylon  
superimposed on a machine  
which works with marble.*

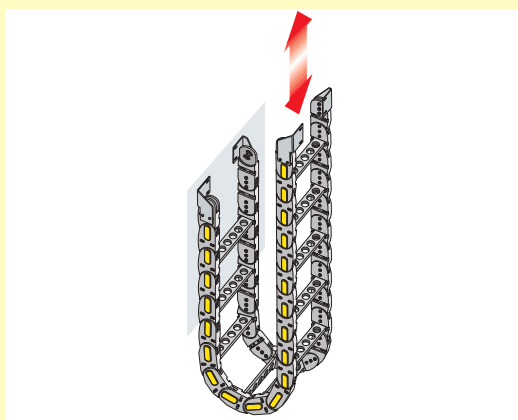


# Mounting Variations

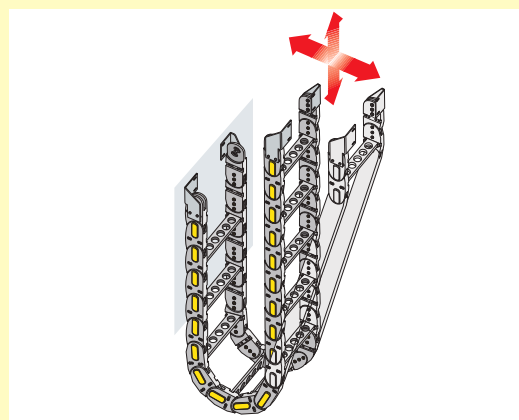
## Chains Placed Vertically

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.

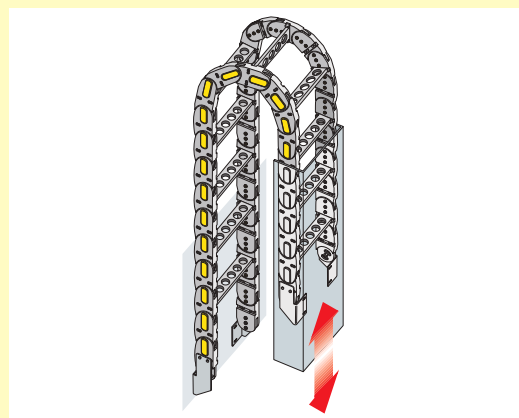
2



Vertical with curve below  
(see page 20).



Combination of both vertical and horizontal movement.



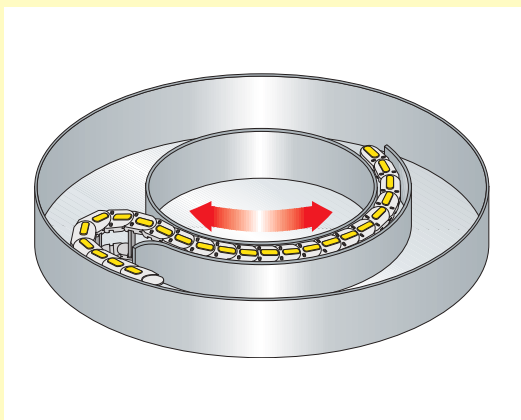
Vertical with curve above  
(see page 20).



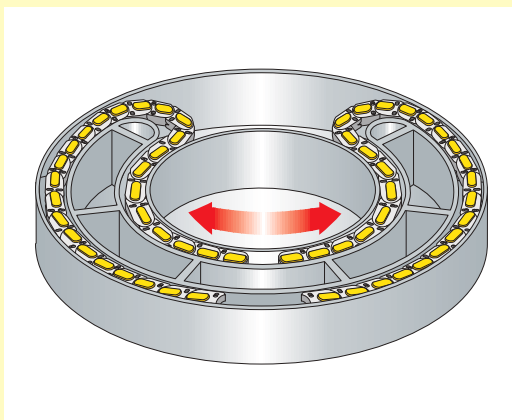
355 vertical with curve below  
nylon chain on machine tool.

## Chains with Circular Motion

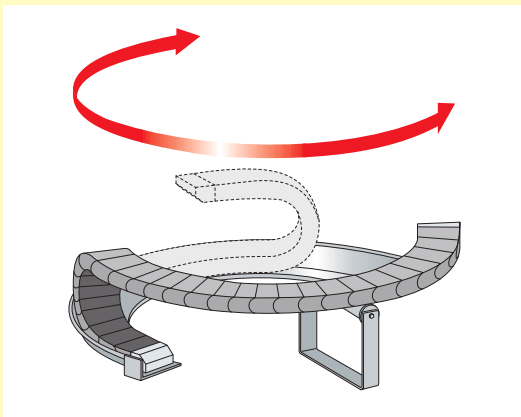
The problems regarding circular motion are easily resolved with the chains from the ROBOT series, an exclusive Brevetti Stendalto product. It is also possible to use the chains in counter-rotation configuration by mounting them on their side.



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.

# Self-Supporting Capacity

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

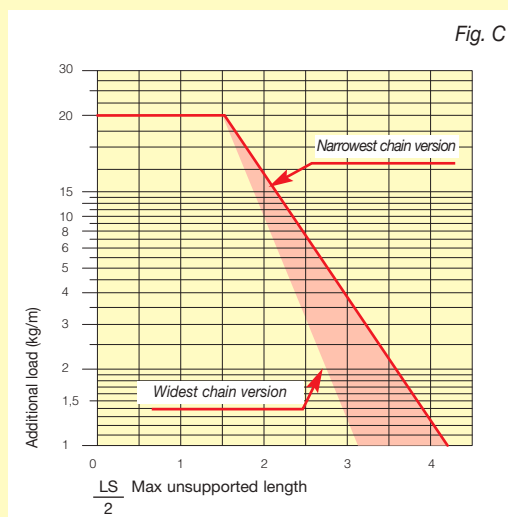
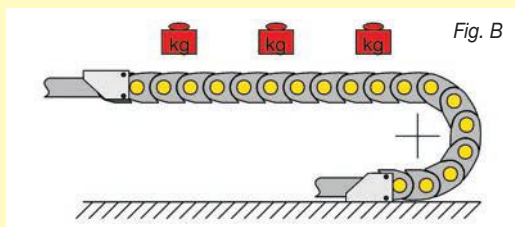
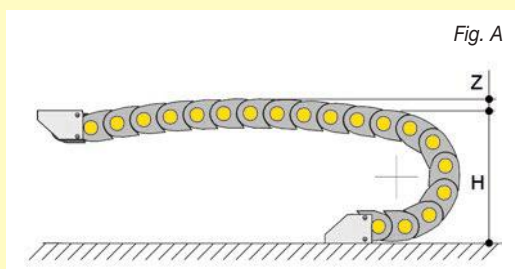
The diagram of self-supporting capacity (Fig. C), indicates the weight relation of cables/hoses per linear meter to the lengths of self-supporting chain travel. The red-area indicates the difference between min/max chain widths, while the widest version has the lowest self-support capacity. With the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

All the H-heights reported into this catalogue are not including any Z-value due to the preload, therefore, whenever limitations to the maximum allowable height are required, you should refer to Brevetti Stendalto's Technical Dptm.

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.

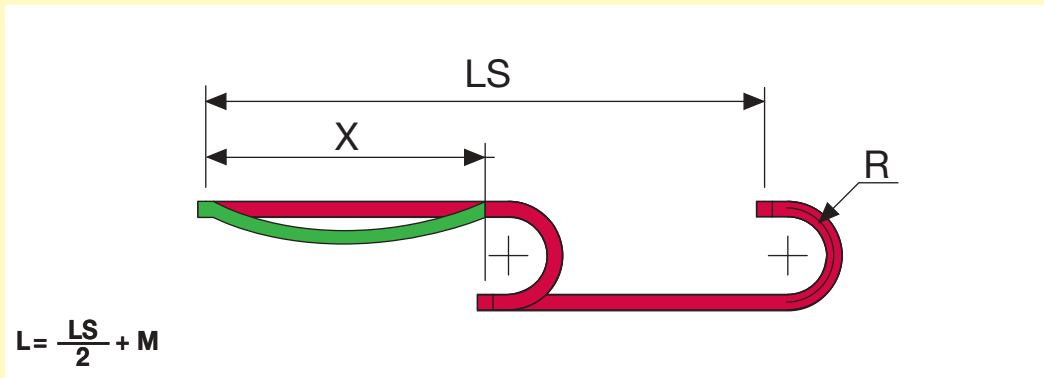


Nylon chain, type 310, in a self-supporting state.



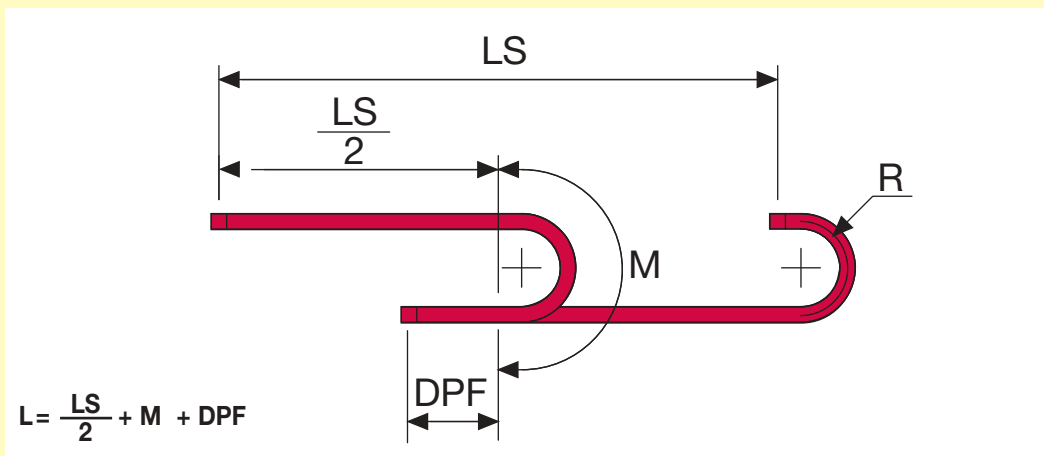
# Determining the Chain length

## 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

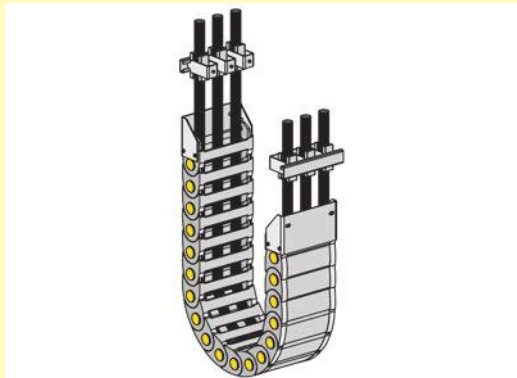
$P$  = Pitch

# Going Further

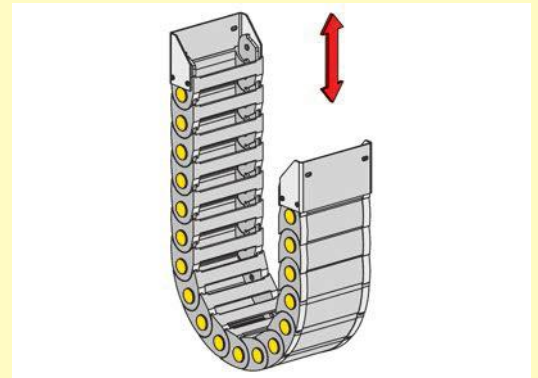
## Vertical Applications

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

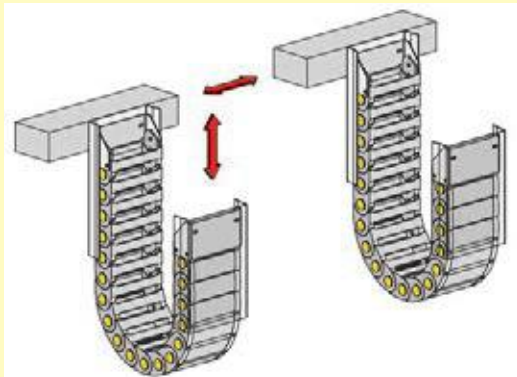
The use of standard cable chains for vertical applications could result in difficulties due to the pre-set. we therefore recommend to specify: *“without pre-set for vertical applications”* when ordering. By doing this the cable chain will be delivered to you without pre-set.



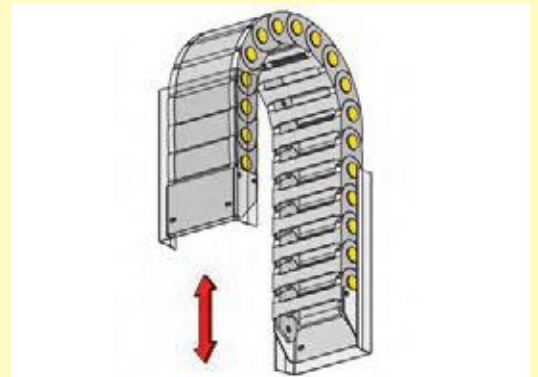
*The placement of the cable/hoses is very important to ensure the application works properly. Cables/hoses have to be fixed at both ends using the appropriate accessories so as not to make their weight disturb the cable chain. In this type of application the cable chain should only guide the cables/hoses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



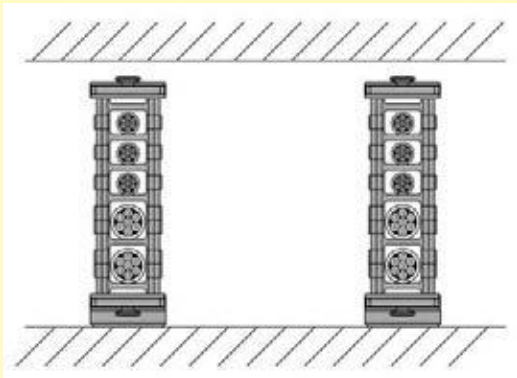
*When applying the cable chain in this way some support is needed to avoid the chain to unbalance itself outwardly. Generally the cable chain must be supported both on the fixed and mobile points.*



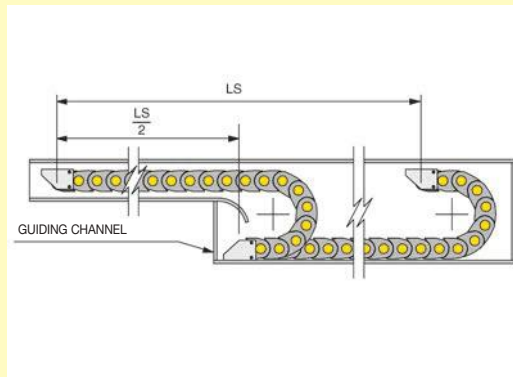
# Going Further

## Horizontal Applications on Their Sides

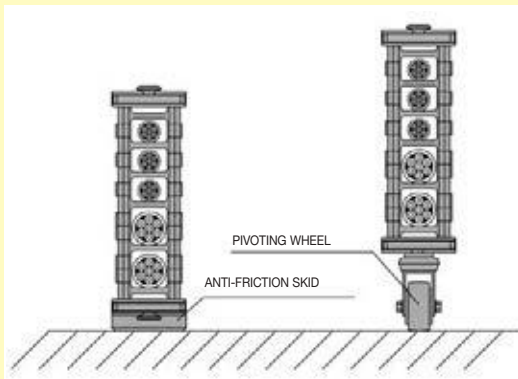
Brevetti Stendalto cable chains can be mounted on their sides.



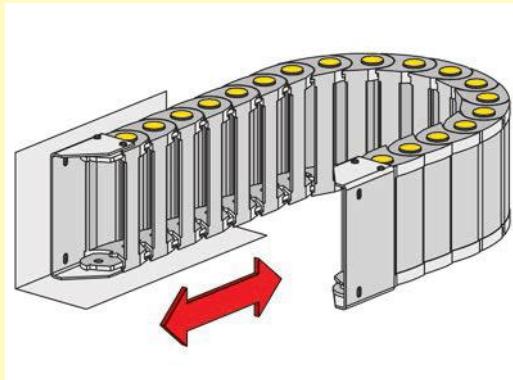
*This kind of mounting becomes necessary when there is a limited space upwards and mounting the chain normally would take up too much space.*



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



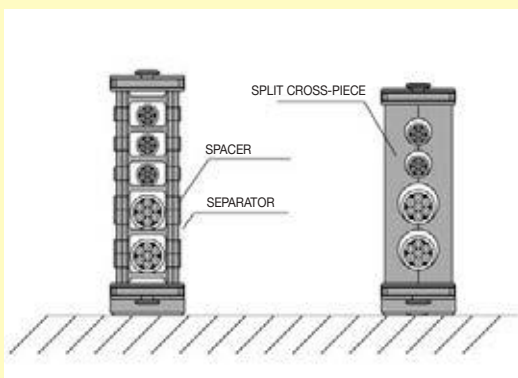
*To make the movement easier and to reduce any friction on the cable chain, special changeable anti-friction skids or pivoting wheels have been designed.*



*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.

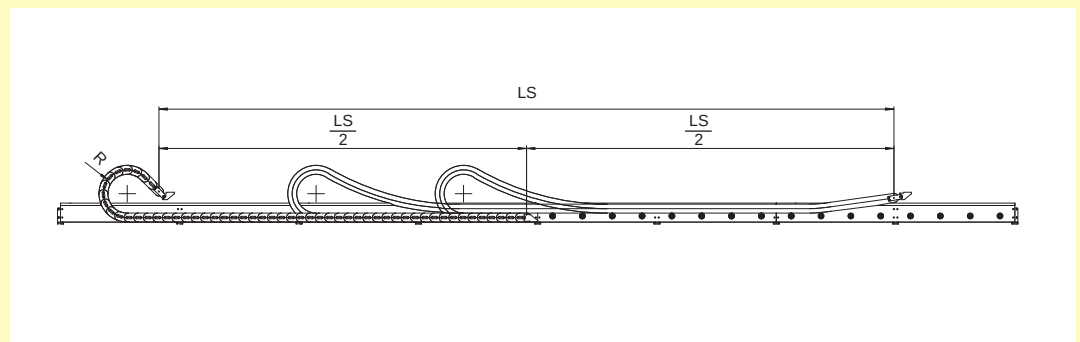
The dimensions of the skid allow the chain to keep itself stable in applications with high velocities.

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

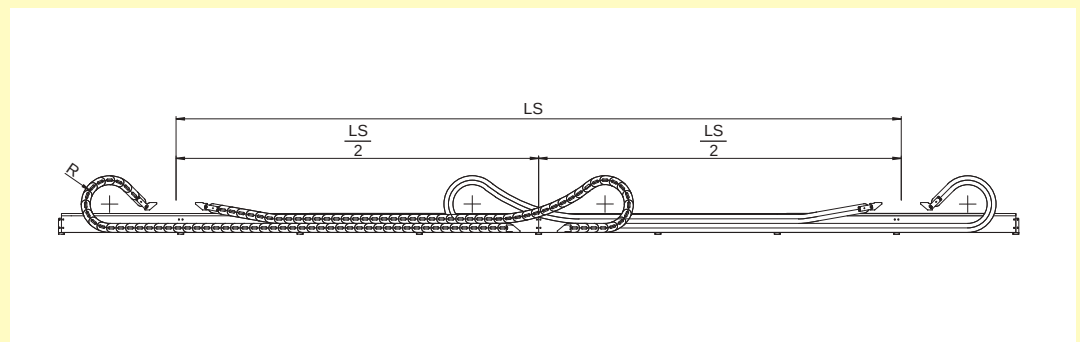
The triple pins guarantee more reliability and strength even in applications with the added weight being very high. The chains in the Sliding series have been tested using torsion, wear and tear tests passing the tensile yield stress with extremely good results, above high normal values (e.g. 318 21000 N).

The special aspect of the cable chains in the

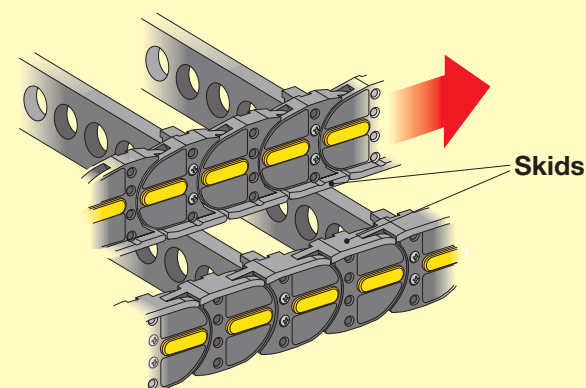
*In these applications, the chain without self-supporting capacity, slides in it's own guiding channels. For the first half of the travel distance the chain slides on itself, whilst in the second half it is supported by it's own rollers or plates for sliding.*



*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.*





318 type chain.



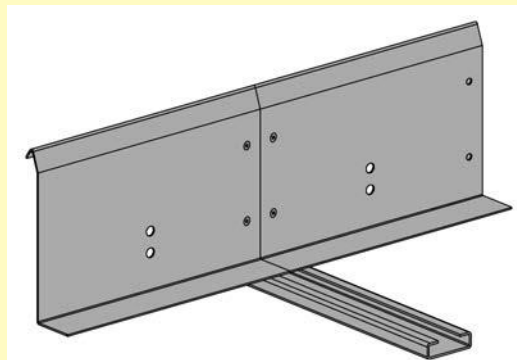
318 type chain.

# Going Further

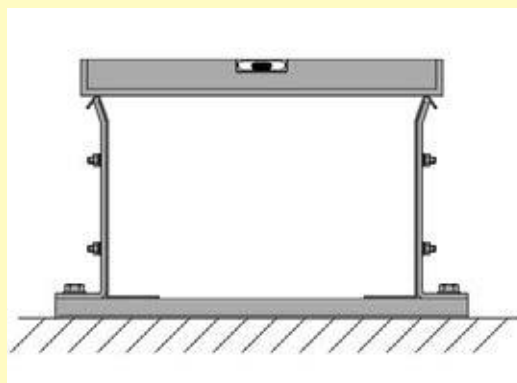
## Guide Channels for Sliding

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



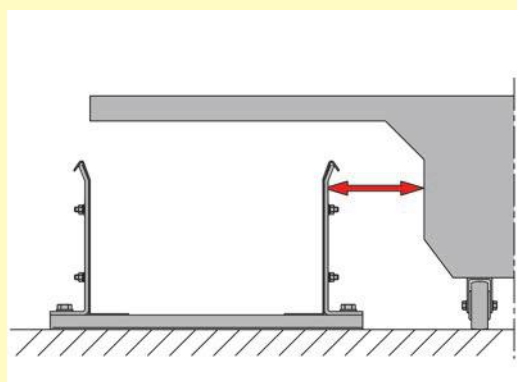
*Verify that the sides are aligned properly to avoid any internal edges in the guide channel which could disturb the cable chain's route.*



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

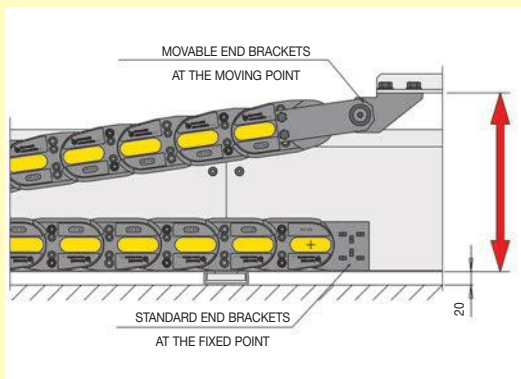


*Guide channel for chains of the Sliding series.*

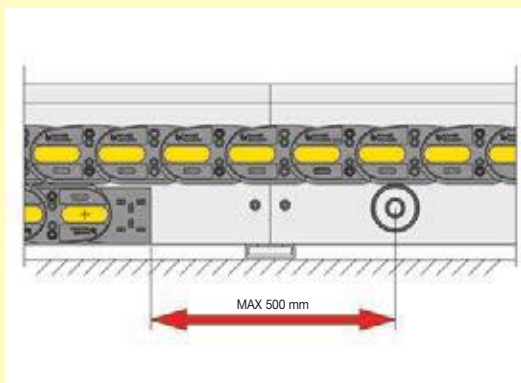


*Verify that the distance between the guide channel for sliding and the towing arm is the same for the whole travelling distance.*

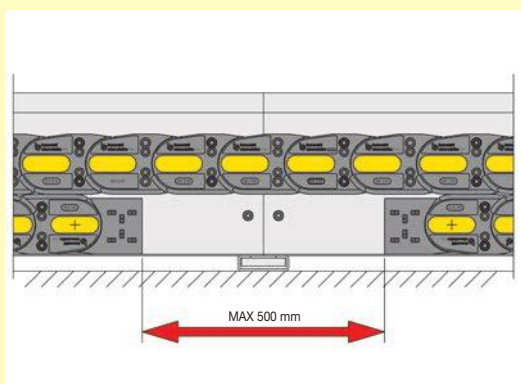




Install the cable chain with the standard end brackets at the fixed point and with the movable end brackets at the moving point respecting the height listed in the catalogue.



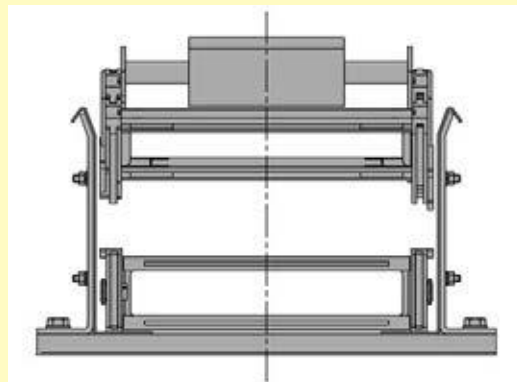
Reduce as much as possible the distance between the fixed point of the cable chain and the starting point of the rollers or sliding plane.



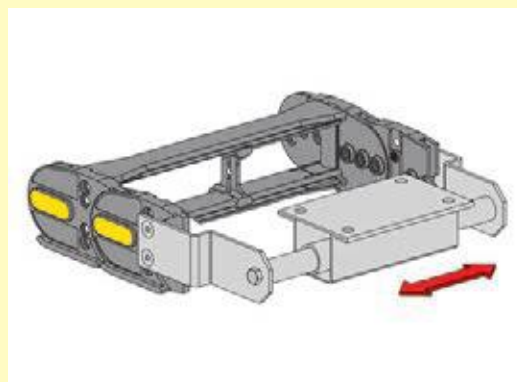
In the case of a double chain application ensure that the distance between the two fixed points doesn't exceed 500mm.

## 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:



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).



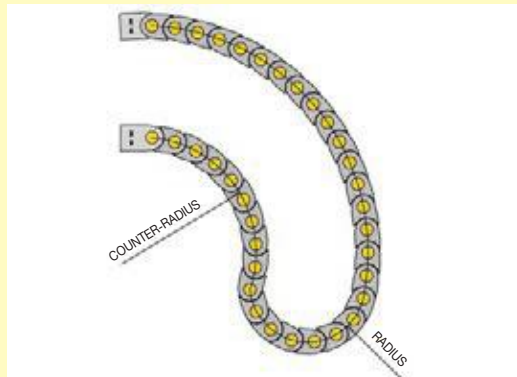
To facilitate this operation Brevetti Stendalto has developed and created a special movable end bracket which guarantees a perfect alignment between the chain and the towing arm (Fig. B).

# Going Further

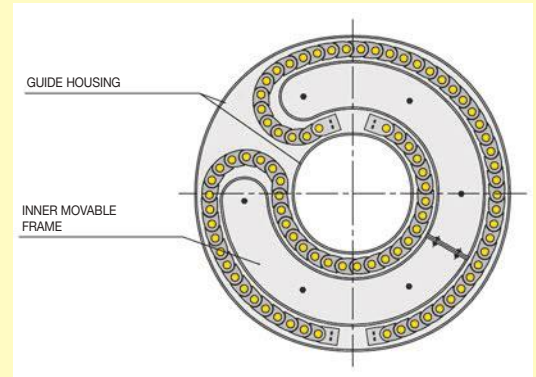
## Rotating Horizontally

For certain applications it is 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

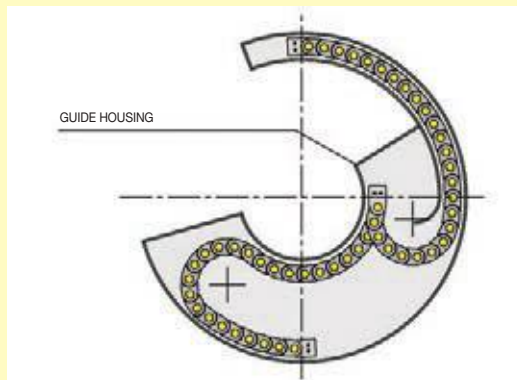
PROTECTION series, can be supplied with this counter-radius. Generally the chains with counter-radius are used to resolve the problems relative to rotations where, in this case, it would not be possible to use cable chains from the ROBOT series.



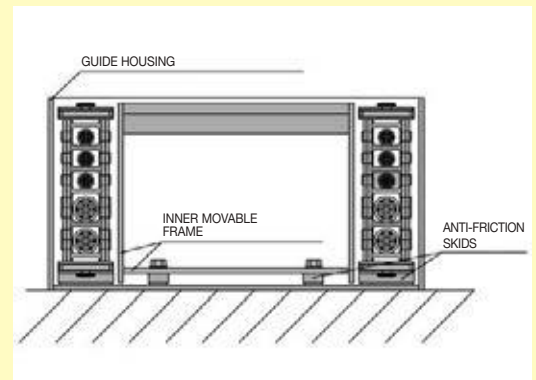
With the use of counter-radius chains it is possible to create rotations both on small and large equipment (e.g. parabolic antennas, rotating tables, cranes, telescopes).



For applications with rotations over  $180^\circ$  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.

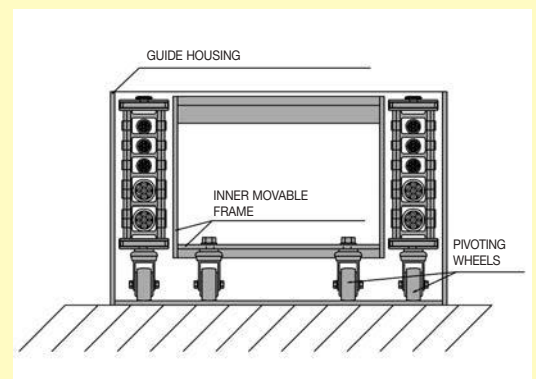


For applications with rotations up to  $180^\circ$  it is possible to use only one cable chain. For a correct usage it should be installed with a guide housing.



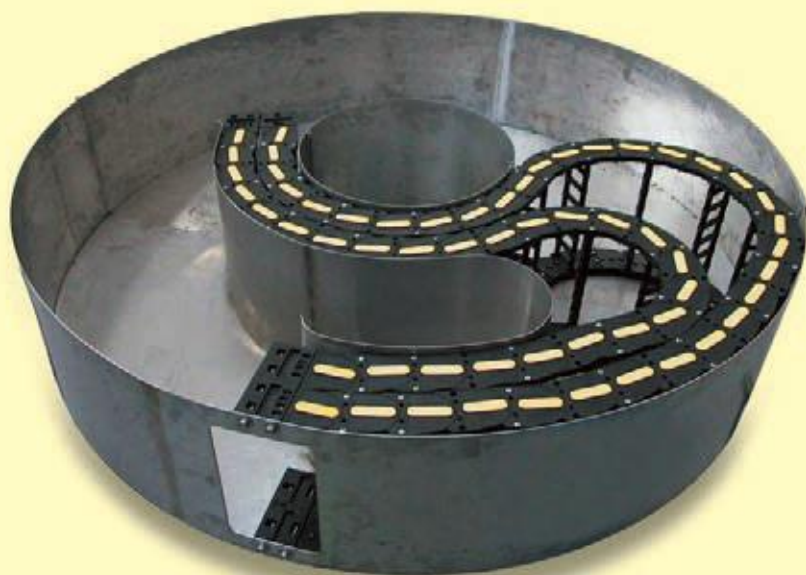
To facilitate the sliding and reduce the friction of the cable chain, special changeable skids or pivoting wheels are taken into account.

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°. For a correct usage they should be guided both internally and externally.



*Application with 2 superimposed chains.  
Rotation 180°*



*Application with 2 chains.  
Rotation 370°*



## 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°.

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.

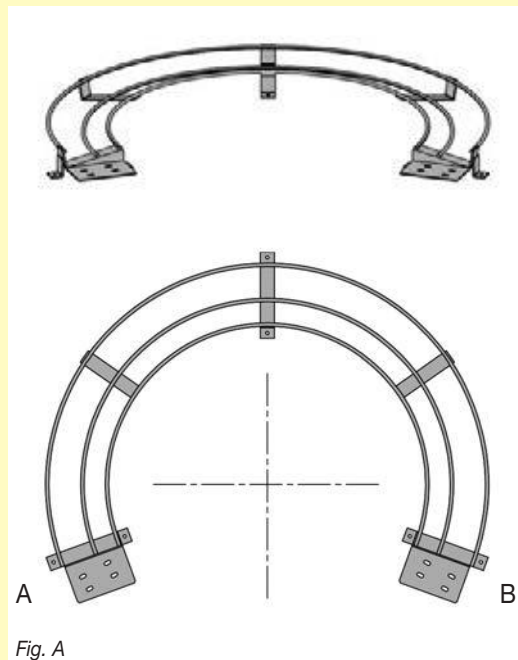


Fig. A

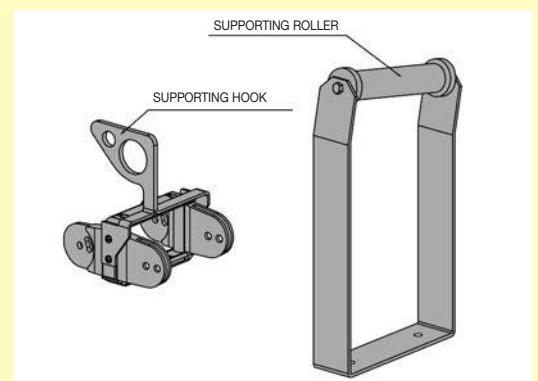
The stability of the chains permits rotations at higher velocities without the need for guiding supports. Only the base on which the cable leans has to have a configuration inclined to make its own travel distance easier. Appropriate support guides are available if it is not possible to take them directly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

## Supporting Hook

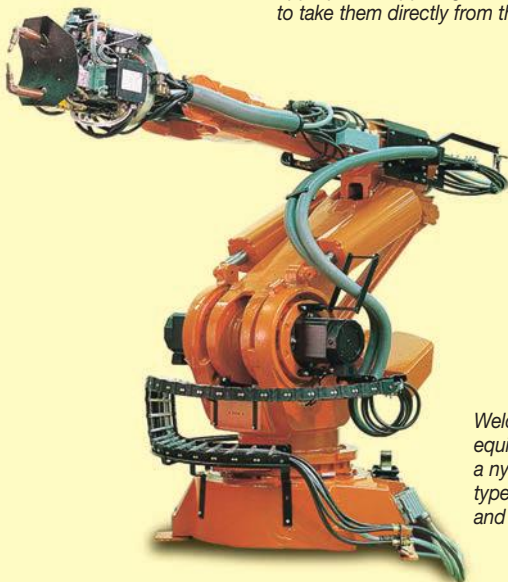
This must be selected according to the method of chain fixation.

-Left type with left fixed point chain (A)

-Right type with right fixed point chain (B)



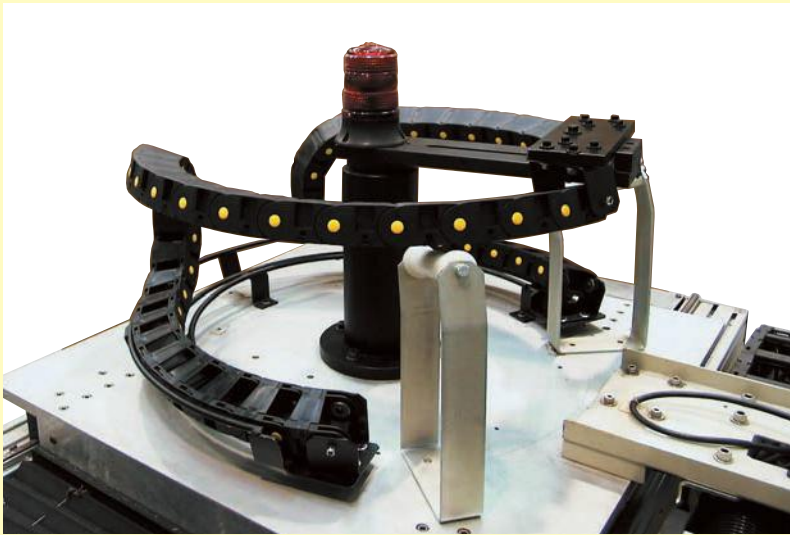
The chains from the "ROBOT" series are self-supporting and they do not need any support up to 200°. For applications with rotations exceeding that value it is necessary to use its own appropriate accessories. To reduce the problems of taking up too much space which generally is the case with the supports, 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 510 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

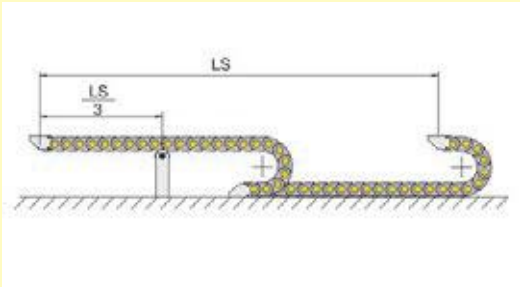
2

## 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

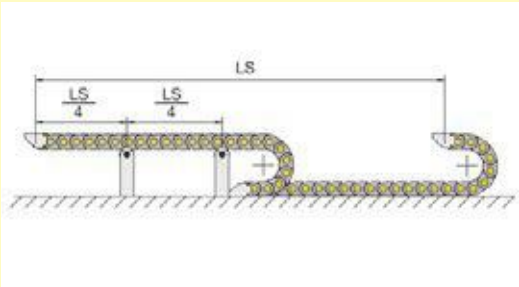
necessary to use the appropriate support rollers.  
To decide on the number of support rollers needed, note the following:

### One Support Roller when:



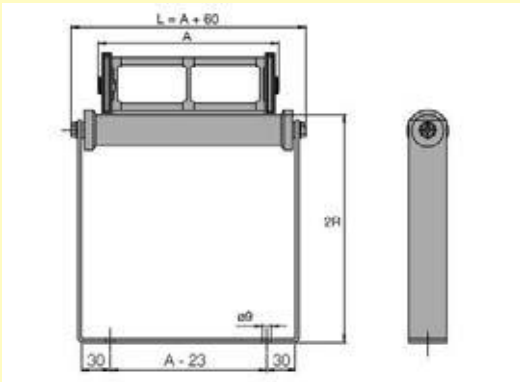
The length  $\frac{LS}{3}$  is included in the values of the diagram showing self-supporting capacity.

### Two Support Rollers when:

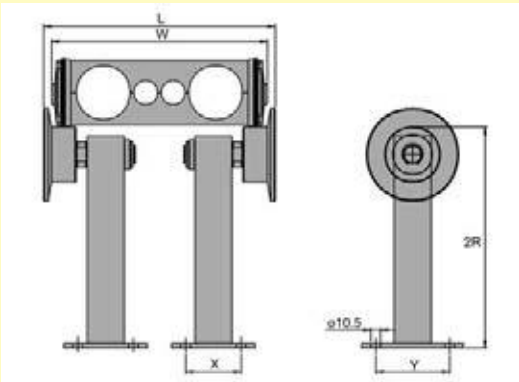


The length  $\frac{LS}{4}$  is included in the values of the diagram showing self-supporting capacity.

## Support Roller for Nylon Chains



## Support Roller for Steel Chains



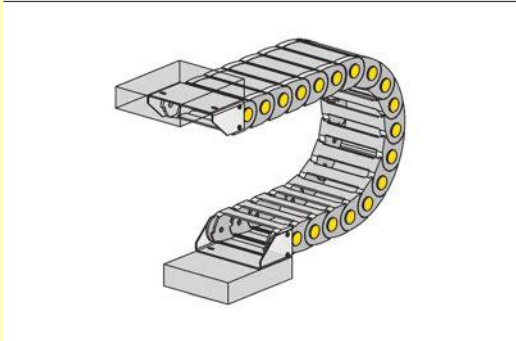
| Chain Type | X   | Y   | L    |
|------------|-----|-----|------|
| 20         | 70  | 100 | W+22 |
| 30         | 70  | 100 | W+22 |
| 35         | 70  | 100 | W+26 |
| 40         | 70  | 100 | W+26 |
| 45         | 130 | 180 | W+26 |

## Ways of Mounting End Brackets

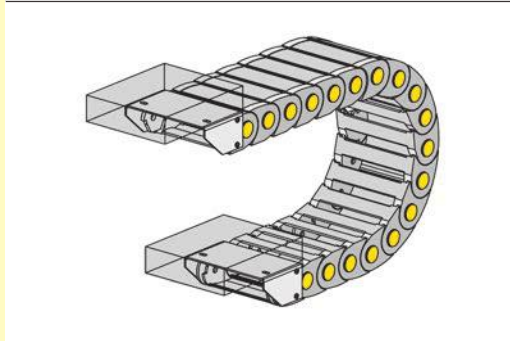
The end brackets make the installation of the chains possible. They are available both in nylon and in steel. The end brackets in nylon, due to their particular construction with holes for mounting on three sides, allow the chain to be installed in the four positions seen below. For the end bracket in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

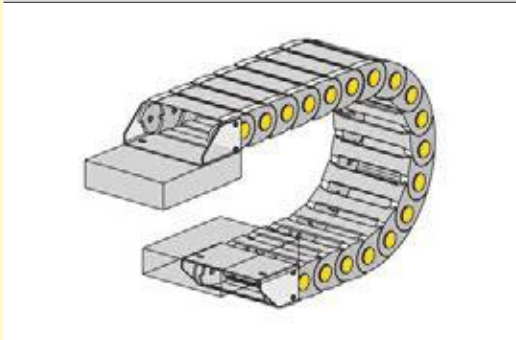
Pos. 1



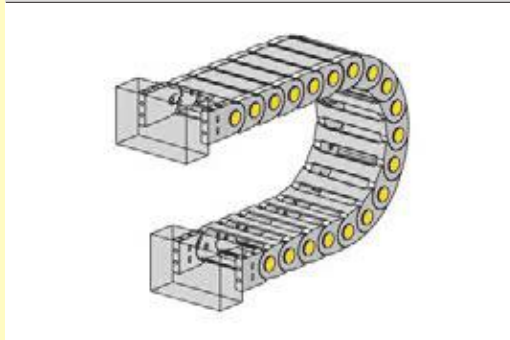
Pos. 2



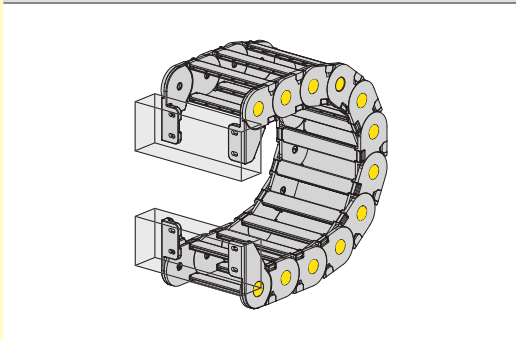
Pos. 3



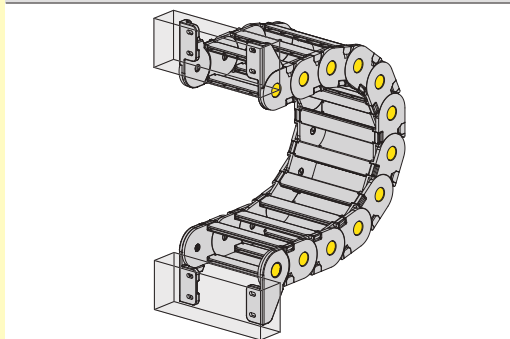
Pos. 4



Pos. 5



Pos. 6



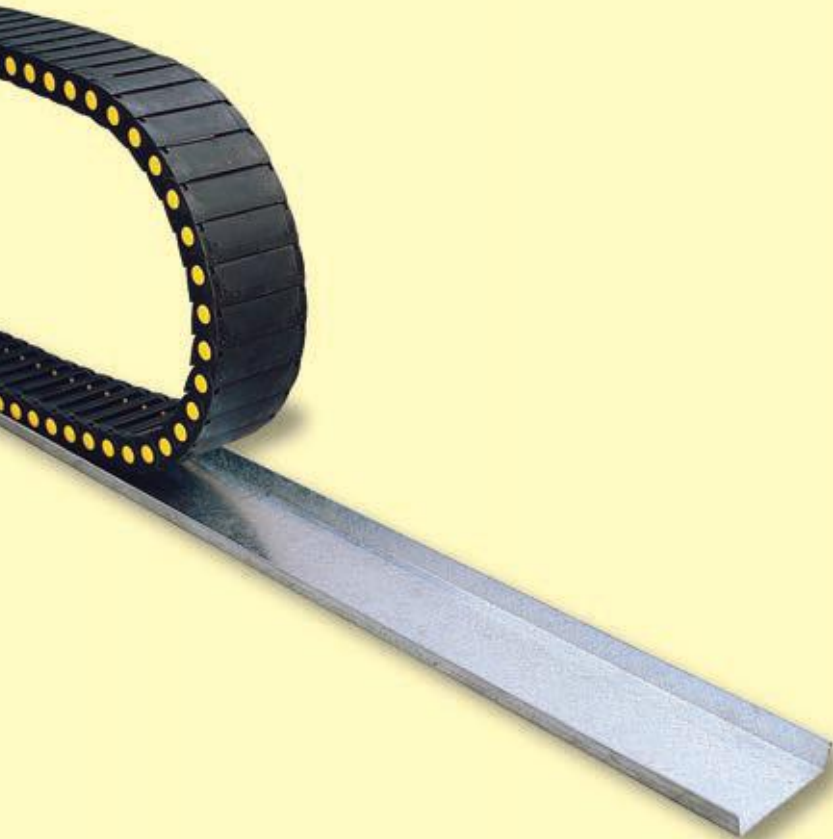
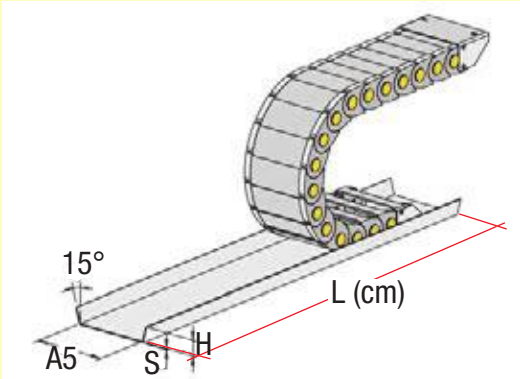


# Going Further

2

## 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.



| Chain type         | A5<br>mm | H<br>mm | S<br>mm |
|--------------------|----------|---------|---------|
| 200...             | A+2      | 10      | 1,5     |
| 250...             | A+2      | 10      | 1,5     |
| 30090-30091        | A+2      | 15      | 1,5     |
| 325LI/LE...        | A+2      | 25      | 1,5     |
| 325L... / 325PI... | A+2      | 25      | 1,5     |
| 335...             | A+2      | 30      | 1,5     |
| 339...             | A+2      | 30      | 1,5     |
| 300A...            | A+2      | 15      | 1,5     |
| 300...             | A+2      | 15      | 1,5     |
| 305A...            | A+2      | 20      | 1,5     |
| 305...             | A+2      | 20      | 1,5     |
| 355A...            | A+2      | 25      | 1,5     |
| 355...             | A+2      | 25      | 1,5     |
| 400...             | A+2      | 25      | 1,5     |
| 435...             | A+2      | 30      | 1,5     |
| 445...             | A+2      | 30      | 1,5     |
| 660A...            | A+2      | 30      | 1,5     |
| 770A...            | A+2      | 30      | 1,5     |
| 475....            | A+2      | 50      | 1,5     |
| 306...             | A+2      | 30      | 1,5     |
| 307...             | A+2      | 30      | 1,5     |
| 308...             | A+2      | 40      | 1,5     |
| 309...             | A+2      | 50      | 1,5     |
| 310T...            | A+2      | 80      | 1,5     |
| 660...             | A+2      | 30      | 1,5     |
| 770...             | A+2      | 30      | 1,5     |
| 20...              | W+2      | 30      | 1,5     |
| 30...              | W+2      | 40      | 1,5     |
| 35...              | W+2      | 50      |         |
| 40...*             |          |         |         |
| 45...*             |          |         |         |

\*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.

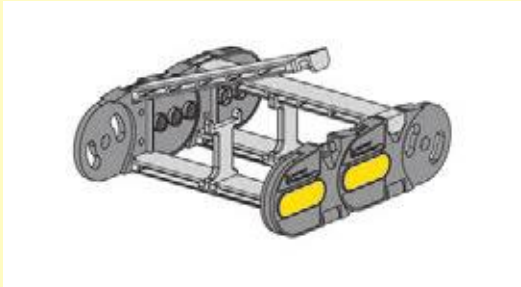
Guide channel for chain type 355.

## Split Cross Pieces Heavy/Sliding Series

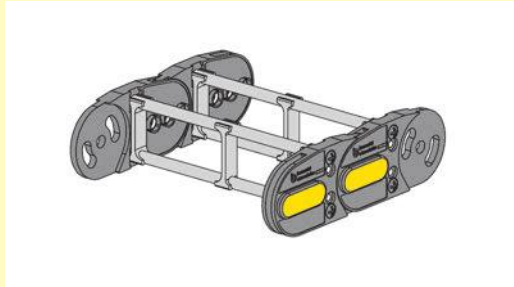
The chains from the Heavy and Sliding series are developed with two side-bands of chain connected with split cross pieces that can be

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

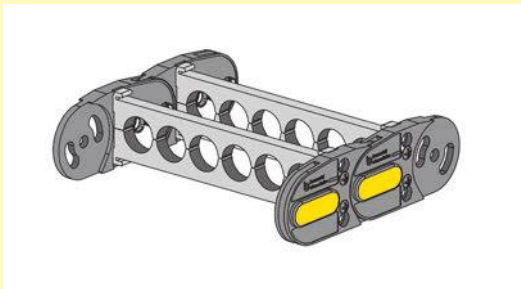
### Standard Versions:



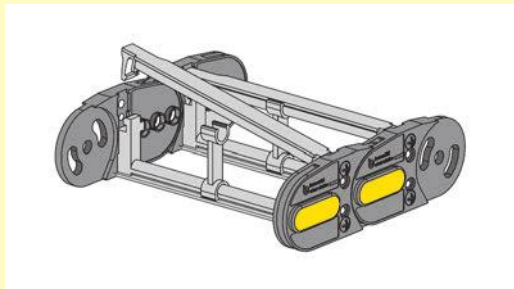
The new nylon split cross piece can open by an easy to open hinge, offering a security.



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

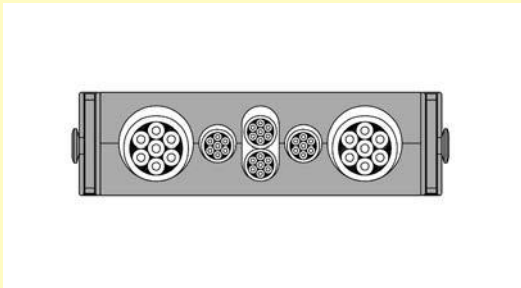


Nylon split cross pieces with holes. Many possibilities of choice between the standard models or special version on request.

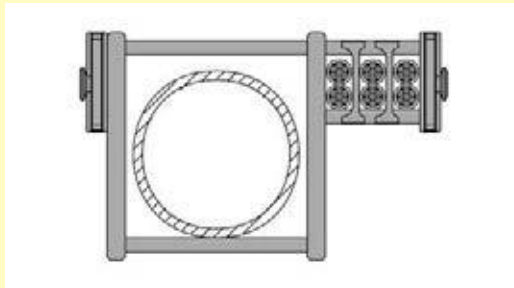


Nylon split cross pieces which open by a zip, to facilitate the operations of positioning the cables internally in the chain.

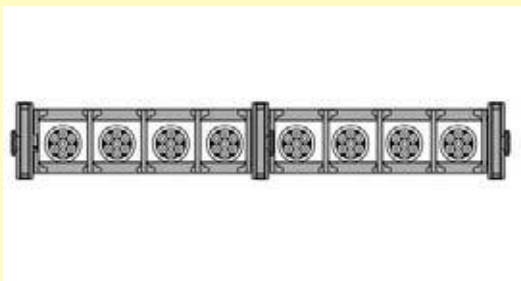
### Special Versions:



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 complying with ATEX Directive 94/9/CE. Nylon cable chains, to be used in explosion high-risk environments, can be supplied made of the special material BRYLON AD. For further information please refer to Brevetti Stendalto's Technical Office.



## Clean room-proof

To be used in clean rooms. The standard version of the cable chain 305A009 has been tested and proved to be Class 1. For further information you may require the proper documentation to our technical department.



## 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.



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.



700 yellow nylon chain with the pins in black.

## BRYLON 6 Technical Data

| Norms                 | Properties                                     | Units                             | Typical values   |                  |
|-----------------------|------------------------------------------------|-----------------------------------|------------------|------------------|
|                       |                                                |                                   | Dry              | Conditioned      |
| Thermal properties    |                                                |                                   |                  |                  |
| DSC                   | Melting point (10° C/min.)                     | °C                                | 222              |                  |
| ASTM - D 696          | Coefficient of linear thermal expansion        | X10 <sup>-6</sup> K <sup>-1</sup> | 28               |                  |
| ASTM D 648            | Heat distortion temperature                    |                                   |                  |                  |
| ISO 75                | 1.82 N/mm²                                     | °C                                | 210              |                  |
| DIN 53461             | 0.45 N/mm²                                     | °C                                | 220              |                  |
| U. L. 94              | Flammability                                   |                                   | H.B.             |                  |
| IEC 695-2-1           | Incandescent wire                              |                                   |                  |                  |
|                       | Temperature                                    | °C                                | 650              |                  |
|                       | Thickness                                      | mm                                | 3                |                  |
| Flammability          |                                                |                                   |                  |                  |
| 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             |
| Physical properties   |                                                |                                   |                  |                  |
| ASTM-D 792            | Density                                        | g/cm³                             | 1.38             |                  |
| ASTM-D 570            | Water absorption at 23°C in water for 24 hours | %                                 | 0.90             |                  |
| Mechanical properties |                                                |                                   |                  |                  |
| ASTM-D 638            | Tensile yield stress                           | N/mm²                             | 195              | 115              |
| ISO R/527             |                                                |                                   |                  |                  |
| DIN 53455             | Ultimate elongation                            | %                                 | 2.6              | 4                |
| ASTM-D 638            | Tensile modulus of elasticity                  | N/mm²                             | 10600            | 6900             |
| ISO R/527             |                                                |                                   |                  |                  |
| DIN 53457             |                                                |                                   |                  |                  |
| ASTM-D 790            | Flexural strength                              | N/mm²                             | 310              | 190              |
| ISO 178               |                                                |                                   |                  |                  |
| DIN 53452             |                                                |                                   |                  |                  |
| ASTM-D 790            | Flexural modulus                               | N/mm²                             | 10500            | 6800             |
| ISO 178               |                                                |                                   |                  |                  |
| ASTM-D 256            | Unnotched Izod impact strength                 | J/m                               | 140              | 300              |
| ISO 180/4C            | Notched Izod impact strength                   | KJ/m²                             | 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.

2

## 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 |
| Trichloroethylene                      |                 | 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 amorphous 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.



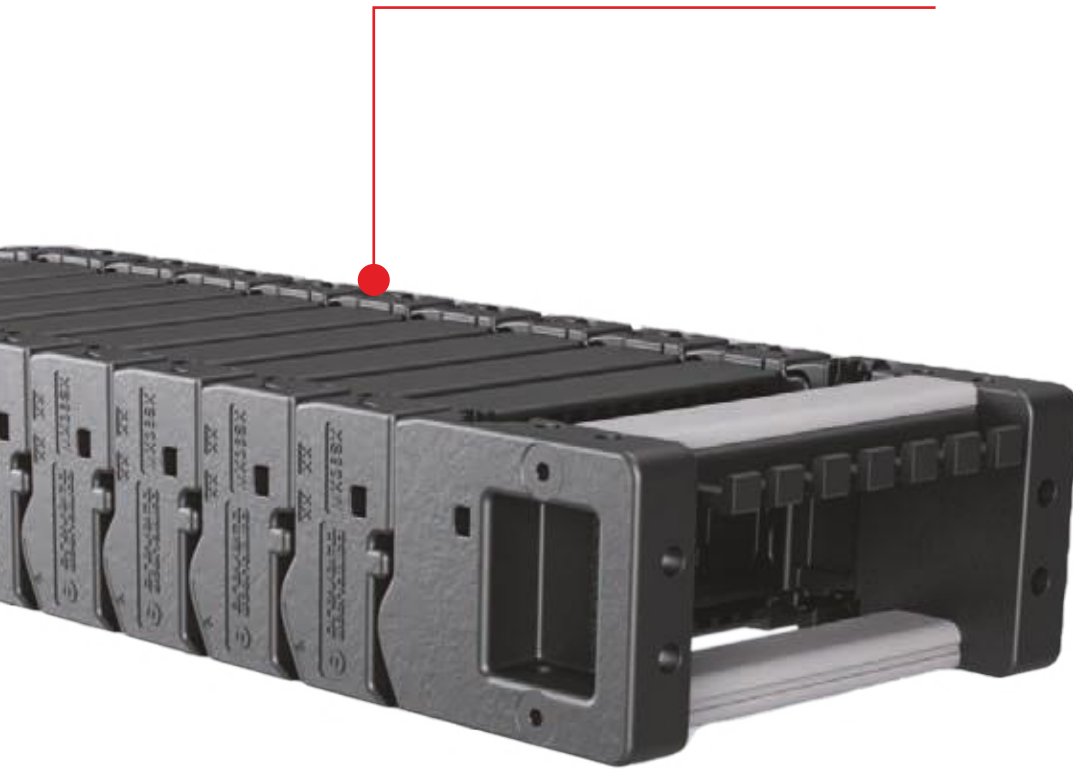
# Low-vibration low-noise chain

|     |         |
|-----|---------|
| X29 | pag. 38 |
| X36 | pag. 40 |



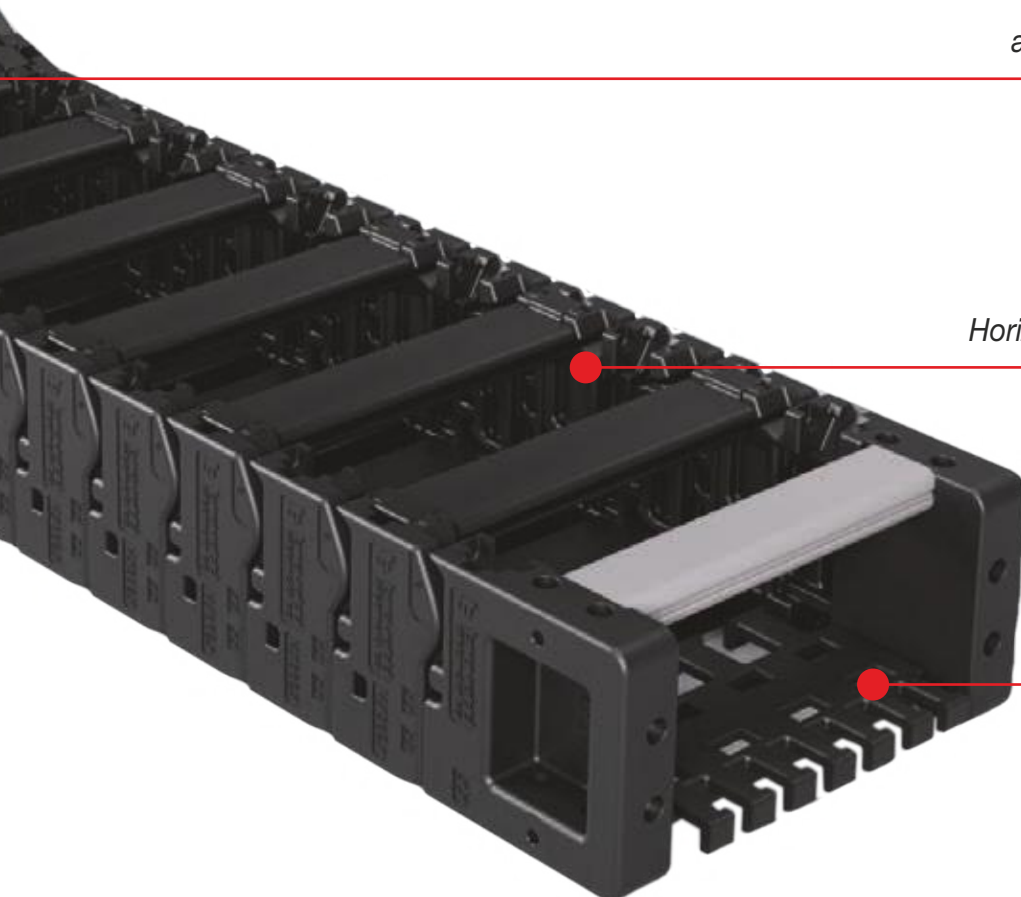
*Links have a short pitch and a special design that eliminates polygonal effects at chain radius when the chain is in motion. This allows a very quiet movement and highly reduces vibrations.*

*Self-supporting applications*



3

*Frames can be opened  
at both inner and outer-radius sides*



*Horizontal and vertical inner separation*

*End brackets  
with tie-wrap clamps*

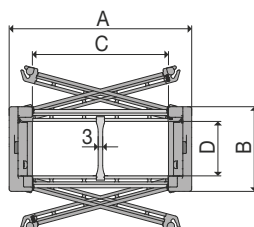
# Serie Silent

## X29

### Low-vibration low-noise chain

#### Inner height (D) 29 mm

Chain designed to reduce noise and vibrations to a minimum. Frames can be snap-opened at inner and outer radius sides. Frames mounted every second link at inner-radius side, and on every link at outer-radius side. Inner separation possible.



#### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part No. S29C    |
| - Assembled*  | Part No. S29CMCI |
| - Assembled** | Part No. S29CMCE |

\* for chain opening outer radius

\*\* for chain opening inner radius

#### Technical characteristics when self-supported

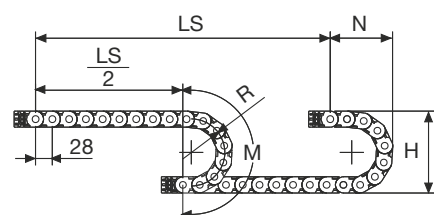
|              |                      |
|--------------|----------------------|
| Speed        | 20 m/s               |
| Acceleration | 200 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------|----------------|----------------------|
| 61      | 49      | 30      | 29      | 060-075-100-150 | 1,57           | X29SC030□□□*         |
| 71      | 49      | 40      | 29      | 060-075-100-150 | 1,63           | X29SC040□□□*         |
| 81      | 49      | 50      | 29      | 060-075-100-150 | 1,74           | X29SC050□□□*         |
| 91      | 49      | 60      | 29      | 060-075-100-150 | 1,79           | X29SC060□□□*         |
| 101     | 49      | 70      | 29      | 060-075-100-150 | 1,90           | X29SC070□□□*         |
| 111     | 49      | 80      | 29      | 060-075-100-150 | 1,95           | X29SC080□□□*         |
| 121     | 49      | 90      | 29      | 060-075-100-150 | 2,06           | X29SC090□□□*         |
| 131     | 49      | 100     | 29      | 060-075-100-150 | 2,12           | X29SC100□□□*         |
| 141     | 49      | 110     | 29      | 060-075-100-150 | 2,22           | X29SC110□□□*         |
| 151     | 49      | 120     | 29      | 060-075-100-150 | 2,28           | X29SC120□□□*         |
| 161     | 49      | 130     | 29      | 060-075-100-150 | 2,39           | X29SC130□□□*         |
| 171     | 49      | 140     | 29      | 060-075-100-150 | 2,49           | X29SC140□□□*         |

\*Complete the code by inserting the value of the radius (R): Ex. X29 SC 0 3 0 7 1 0 0

The bending radius 075 is available only on request, with delivery times to be defined



Length of chain (L)

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

plus length of curve (M)

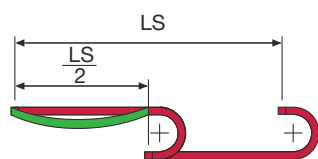
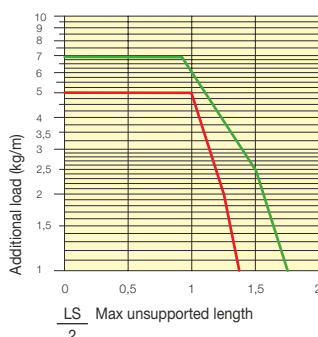
$$L = \frac{LS}{2} + M$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 60      | 182     | 119     | 245     |
| 75      | 212     | 134     | 295     |
| 100     | 262     | 159     | 375     |
| 150     | 362     | 209     | 530     |



## 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 area in the diagram considers the difference of weight between various widths of chain.

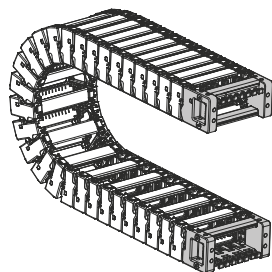
Red for self-supporting chain, green for chain in admissible sagging.

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).

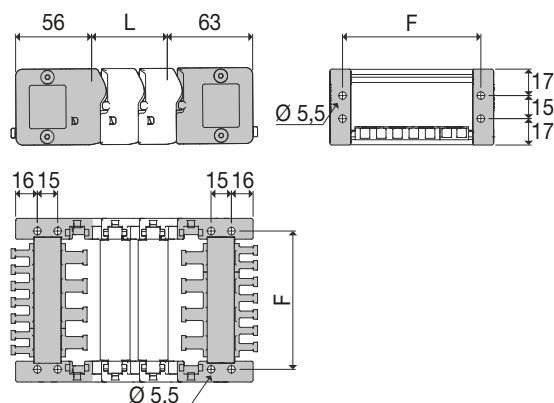
## End Brackets

The end brackets set containing four nylon brackets joined to the links allows the two ends of the chain to be attached to the equipment.

End brackets are equipped with tie-wrap clamps.



Chain can be fixed at both inner and outer-radius sides.



| Chain type | F mm |
|------------|------|
| X29SC030   | 40   |
| X29SC040   | 50   |
| X29SC050   | 60   |
| X29SC060   | 70   |
| X29SC070   | 80   |
| X29SC080   | 90   |
| X29SC090   | 100  |
| X29SC100   | 110  |
| X29SC110   | 120  |
| X29SC120   | 130  |
| X29SC130   | 140  |
| X29SC140   | 150  |

## Nylon Type with tie-wrap clamps Part Numbers

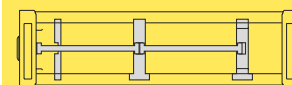
Complete Set Assembled  
ANX29SC□□□\*KM

Complete Set Unassembled  
ANX29SC□□□\*K

\* Inner width C

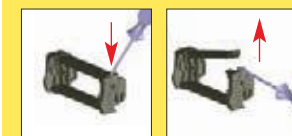
## Serie Silent

## X29 Low-vibration low-noise chain



Separation system  
see page 216

How to open the cover.





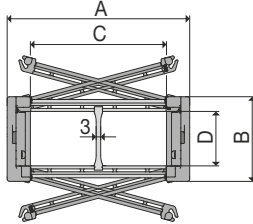
# Serie Silent

## X36

### Low-vibration low-noise chain

#### Inner height (D) 36 mm

Chain designed to reduce noise and vibrations to a minimum. Frames can be snap-opened at inner and outer radius sides. Frames mounted every second link at inner-radius side, and on every link at outer-radius side. Inner separation possible.



#### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part No. S36C    |
| - Assembled*  | Part No. S36CMCI |
| - Assembled** | Part No. S36CMCE |

\* for chain opening outer radius

\*\* for chain opening inner radius

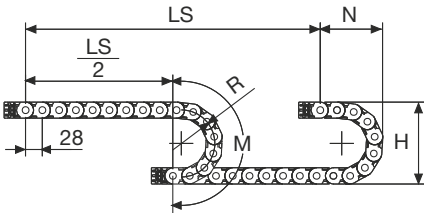
#### Technical characteristics when self-supported

|              |                      |
|--------------|----------------------|
| Speed        | 20 m/s               |
| Acceleration | 200 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------|----------------|----------------------|
| 61      | 56      | 30      | 36      | 060-100-150 | 1,71           | X36SC030□□□*         |
| 71      | 56      | 40      | 36      | 060-100-150 | 1,76           | X36SC040□□□*         |
| 81      | 56      | 50      | 36      | 060-100-150 | 1,87           | X36SC050□□□*         |
| 91      | 56      | 60      | 36      | 060-100-150 | 1,92           | X36SC060□□□*         |
| 101     | 56      | 70      | 36      | 060-100-150 | 2,03           | X36SC070□□□*         |
| 111     | 56      | 80      | 36      | 060-100-150 | 2,08           | X36SC080□□□*         |
| 121     | 56      | 90      | 36      | 060-100-150 | 2,19           | X36SC090□□□*         |
| 131     | 56      | 100     | 36      | 060-100-150 | 2,25           | X36SC100□□□*         |
| 141     | 56      | 110     | 36      | 060-100-150 | 2,35           | X36SC110□□□*         |
| 151     | 56      | 120     | 36      | 060-100-150 | 2,41           | X36SC120□□□*         |
| 161     | 56      | 130     | 36      | 060-100-150 | 2,52           | X36SC130□□□*         |
| 171     | 56      | 140     | 36      | 060-100-150 | 2,63           | X36SC140□□□*         |

\*Complete the code by inserting the value of the radius (R): Ex. X36 SC 0 3 0 1 1 1 1



Length of chain (L)

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

plus length of curve (M)

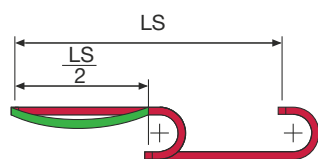
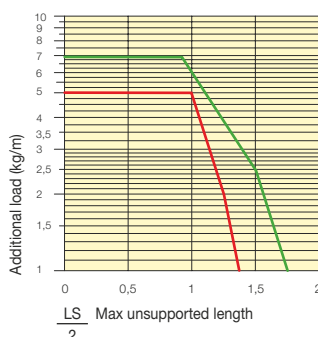
$$L = \frac{LS}{2} + M$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 60      | 196     | 126     | 245     |
| 100     | 276     | 166     | 375     |
| 150     | 376     | 216     | 530     |



## 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 area in the diagram considers the difference of weight between various widths of chain.

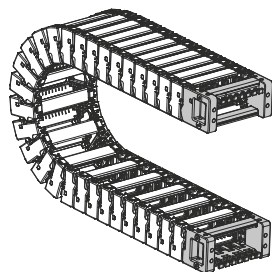
Red for self-supporting chain, green for chain in admissible sagging.

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).

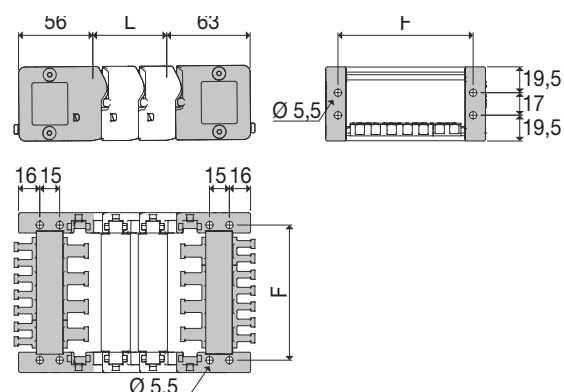
## End Brackets

The end brackets set containing four nylon brackets joined to the links allows the two ends of the chain to be attached to the equipment.

End brackets are equipped with tie-wrap clamps.



Chain can be fixed at both inner and outer-radius sides.



| Chain type | F mm |
|------------|------|
| X36SC030   | 42   |
| X36SC040   | 52   |
| X36SC050   | 62   |
| X36SC060   | 72   |
| X36SC070   | 82   |
| X36SC080   | 92   |
| X36SC090   | 102  |
| X36SC100   | 112  |
| X36SC110   | 122  |
| X36SC120   | 132  |
| X36SC130   | 142  |
| X36SC140   | 152  |

## Nylon Type with tie-wrap clamps Part Numbers

Complete Set Assembled  
ANX36SC□□□\*KM

Complete Set Unassembled  
ANX36SC□□□\*K

\* Inner width C

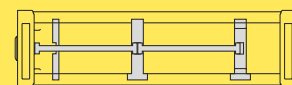
When operated under the specified test conditions, the cable guiding system X36SC060150 is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

| Test parameter(s)                                   | Air Cleanliness Class |
|-----------------------------------------------------|-----------------------|
| $V_1 = 0.5 \text{ m/s}$ ; $a_1 = 1.0 \text{ m/s}^2$ | 1                     |
| $V_2 = 1.0 \text{ m/s}$ ; $a_2 = 2.0 \text{ m/s}^2$ | 2                     |
| $V_3 = 2.0 \text{ m/s}$ ; $a_3 = 4.0 \text{ m/s}^2$ | 3                     |
| <b>Overall result</b>                               | <b>3</b>              |

Please note: transport damages, incorrect installation, aging behavior, etc. can influence the test result.

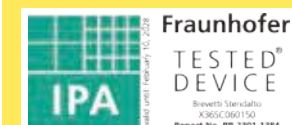
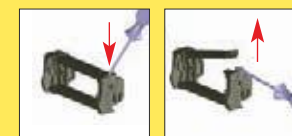
## Serie Silent

## X36 Low-vibration low-noise chain



Separation system  
see page 216

How to open the cover.









# Nylon Cable Chains

|                  |          |
|------------------|----------|
| Serie Light      | page 44  |
| Serie Medium     | page 62  |
| Serie Heavy      | page 92  |
| Serie Protection | page 124 |
| Serie Sliding    | page 158 |
| Serie Robot      | page 188 |





# Nylon Cable Chains Light Series

|                                            |         |
|--------------------------------------------|---------|
| 200 Series                                 | page 46 |
| 250L-250LI-250LE Series                    | page 48 |
| 325LI/LE Series                            | page 50 |
| 325L Series                                | page 52 |
| 335L-335LI-335LE Series                    | page 54 |
| 339 Series                                 | page 56 |
| Channel guide for long travel distance     |         |
| For 250L-300 Series                        | page 58 |
| For 325L-325LI/LE/PI-335L/LI/LE-339 Series | page 60 |

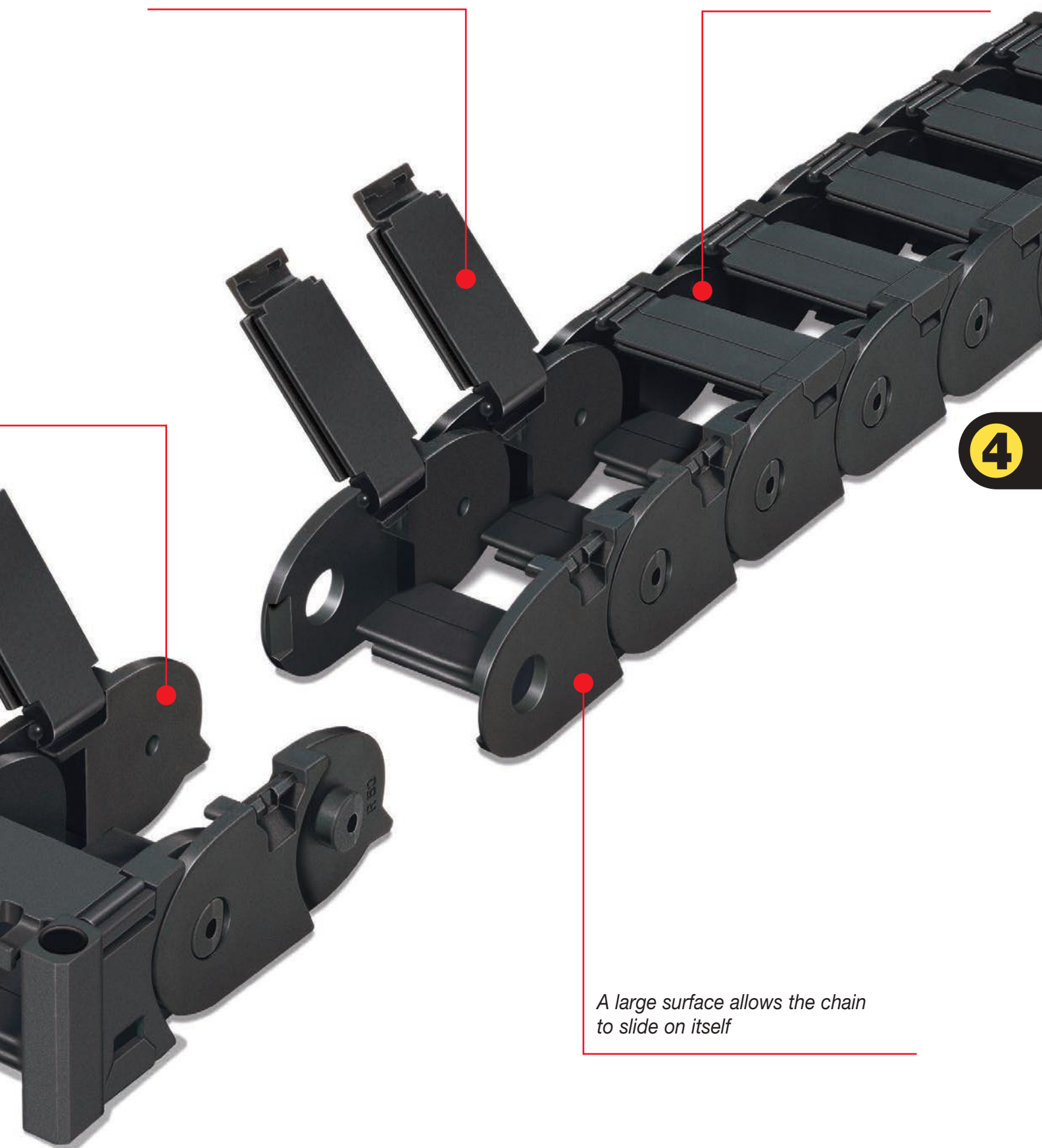
*Inner surface of chain  
completely smooth*

*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*

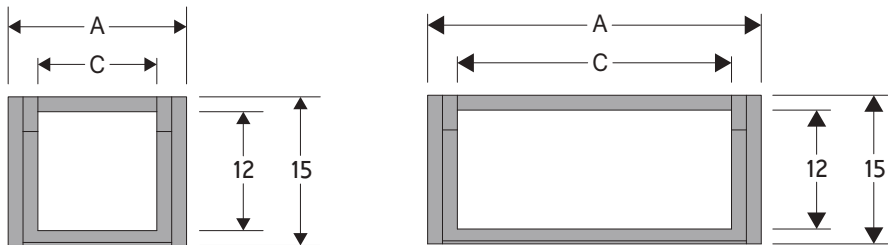
# Serie Light

## 200 Nylon Cable Chain

### Inner height (D) 12 mm

Single link construction with central anti-friction pivot.

Very smooth chain, particularly suitable for small automatic machines like printers, measurements equipment etc.



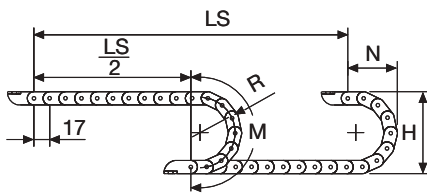
### Technical characteristics when self-supported

|              |                     |
|--------------|---------------------|
| 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     | 20012 □□□ * |
| 31 | 15 | 25 | 12 | 018-030-040 | 0,14     | 20025 □□□ * |
| 41 | 15 | 35 | 12 | 018-030-040 | 0,15     | 20035 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 20012 □ □ □ □



| 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)

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







# Serie Light

## 250L/LI/LE Nylon Cable Chain

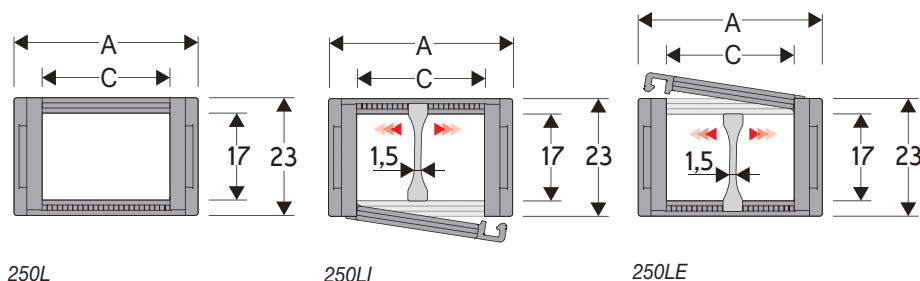
### Inner height (D) 17 mm

Single link construction.

Non-opening version (250L).

Version with opening frames from inner radius (250LI) or from outer radius (250LE).

Vertical separators available.



### Separator

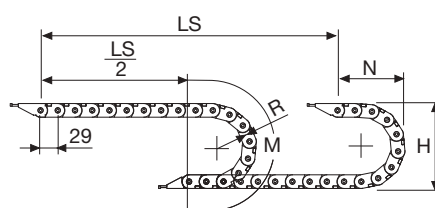
|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S250L   |
| - Assembled   | Part.no S250LMC |

### Technical characteristics when self-supported

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

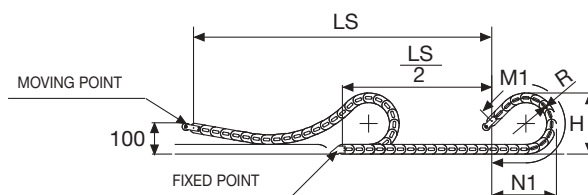
| A  | B  | C  | D  | R                       | Weight/m | Chain                 |
|----|----|----|----|-------------------------|----------|-----------------------|
| mm | mm | mm | mm | mm                      | kg       | Part Number           |
| 26 | 23 | 15 | 17 | 028-038-045-060-075-100 | 0,34     | 250L(LI)(LE)015 □□□ * |
| 36 | 23 | 25 | 17 | 028-038-045-060-075-100 | 0,37     | 250L(LI)(LE)025 □□□ * |
| 46 | 23 | 35 | 17 | 028-038-045-060-075-100 | 0,40     | 250L(LI)(LE)035 □□□ * |
| 61 | 23 | 50 | 17 | 028-038-045-060-075-100 | 0,43     | 250L(LI)(LE)050 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 250LI035□□□



| R   | H   | N     | M   | N1  | M1   |
|-----|-----|-------|-----|-----|------|
| mm  | mm  | mm    | mm  | mm  | mm   |
| 028 | 79  | 68,5  | 146 | 120 | 255  |
| 038 | 99  | 78,5  | 177 | 125 | 270  |
| 045 | 113 | 85,5  | 199 | 250 | 530  |
| 060 | 143 | 100,5 | 246 | 400 | 850  |
| 075 | 173 | 115,5 | 294 | 505 | 1085 |
| 100 | 223 | 140,5 | 372 | 650 | 1405 |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.



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

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

**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set

### 250L

Non-opening  
Sliding



### 250LI

Frames opening from inner radius  
No Sliding



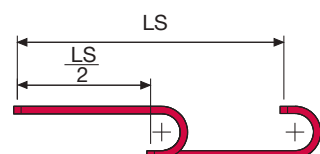
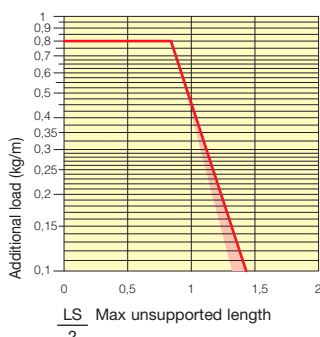
### 250LE

Frames opening from outer radius  
No Sliding



## 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. End brackets are equipped with tiewrap clamps.

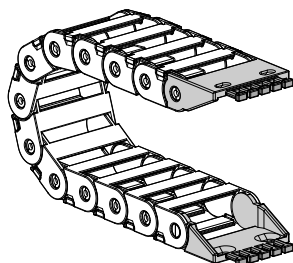
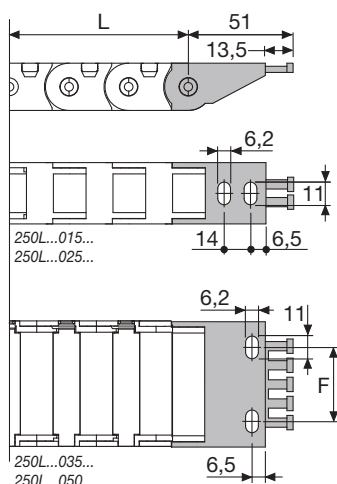


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



| Chain Type    | F1 mm |
|---------------|-------|
| 250L...035... | 21    |
| 250L...050... | 36    |

## Nylon Type Part Numbers

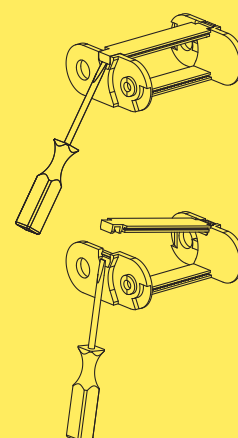
| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 250L                   | AN250L□□□*KM□**  |

| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 250L                     | AN250L□□□*K□**   |

\* Inner width (C)  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
5=Pos.5; 6=Pos.6

## Serie Light

**250L**  
**250LI**  
**250LE**  
Nylon Cable Chain



How to open the cover.



250L version only suitable to long travel distance. To choose the guide channel see page 58

For further information please consult Brevetti Stendalto's Technical Office

# Serie Light

## 325LI/325LE Nylon Cable Chain with opening frames

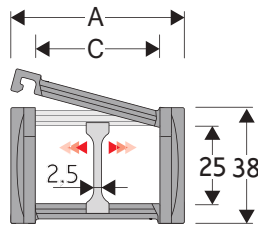
### Inner height (D) 25 mm

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

Frames opening from inner radius (325LI) or from outer radius (325LE).

Vertical separators

available. Used with guide channels, this chain is particularly suitable for long distance travel.



### Separator

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S325L   |
| - Assembled   | Part.no S325LMC |

### Technical characteristics when self-supported

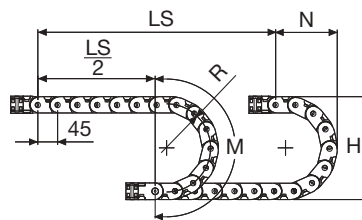
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 57      | 38      | 40      | 25      | 050-060-075-100-125-150 | 0,78           | 325LI(LE)040 □□□ *   |
| 77      | 38      | 60      | 25      | 050-060-075-100-125-150 | 0,90           | 325LI(LE)060 □□□ *   |
| 93      | 38      | 76      | 25      | 050-060-075-100-125-150 | 1,00           | 325LI(LE)076 □□□ *   |
| 120     | 38      | 103     | 25      | 050-060-075-100-125-150 | 1,11           | 325LI(LE)103 □□□ *   |
| 142     | 38      | 125     | 25      | 050-060-075-100-125-150 | 1,20           | 325LI(LE)125 □□□ *   |

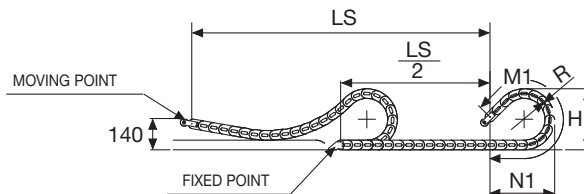
\*Complete the code by inserting the value of the radius (R): Ex. 325LI040 □ □ □ □

4



| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 050     | 138     | 115     | 250     | 145      | 300      |
| 060     | 158     | 125     | 280     | 155      | 335      |
| 075     | 188     | 140     | 325     | 185      | 420      |
| 100     | 238     | 165     | 405     | 275      | 635      |
| 125     | 288     | 190     | 485     | 360      | 855      |
| 150     | 338     | 215     | 565     | 445      | 1075     |

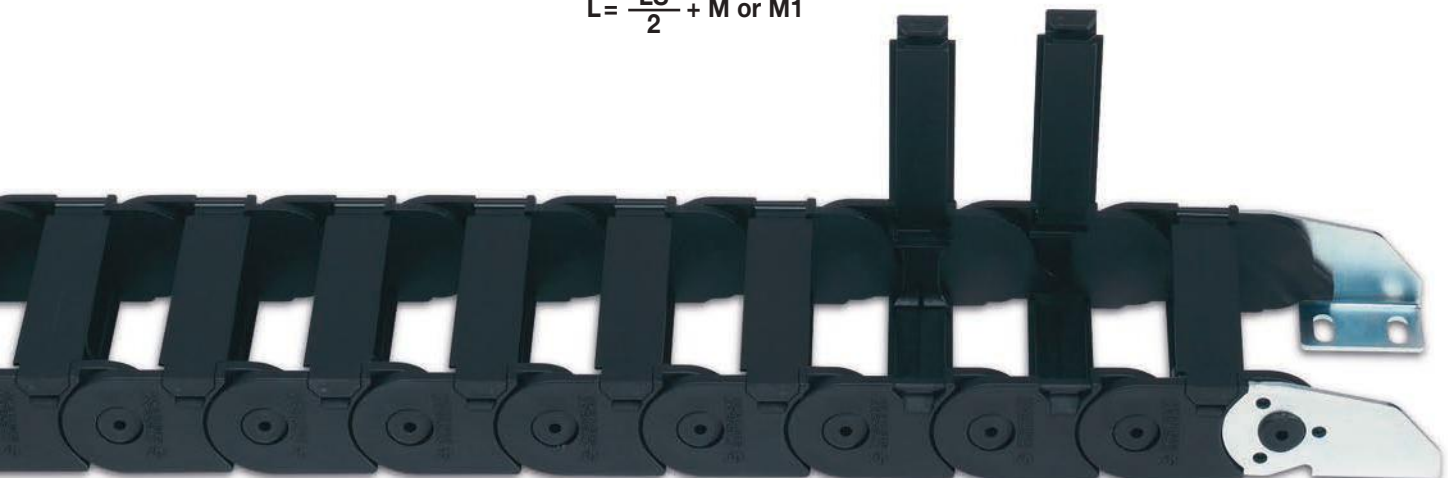
For sliding applications, technical data can slightly change according to frequency, added weight and environment.



**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set

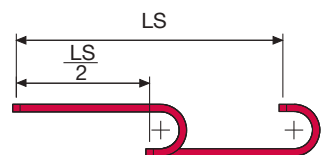
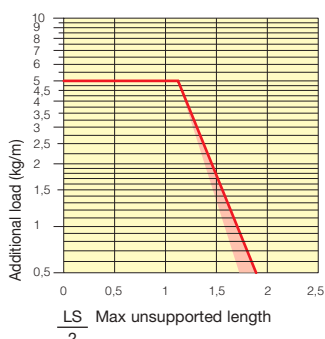
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

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



## 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. EBs tiewrap clamps and/or centre-distance reducers fully available under request.

### Nylon Type

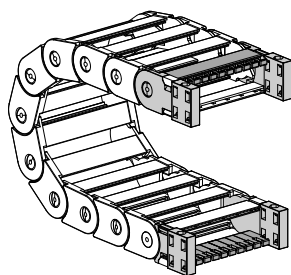


Fig. A  
Chain fixed outside/inside the radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

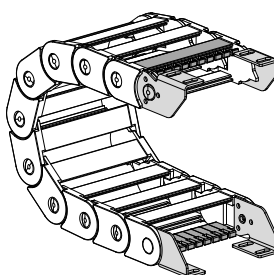
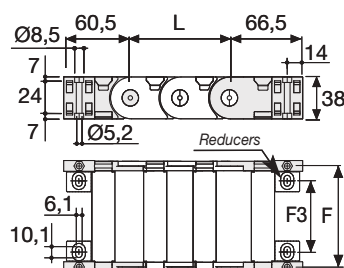


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain type | F mm | F3 mm |
|------------|------|-------|
| 325L...040 | 51   | 22    |
| 325L...060 | 71   | 42    |
| 325L...076 | 87   | 58    |
| 325L...103 | 114  | 85    |
| 325L...125 | 136  | 107   |

### Nylon Type Part Numbers

| Complete Set Assembled Chain | End Brackets Set |
|------------------------------|------------------|
| Type                         | Set              |
| 325L...                      | AN325L□□□*KM     |

| Complete Set Unassembled Chain | End Brackets Set |
|--------------------------------|------------------|
| Type                           | Set              |
| 325L...                        | AN325L□□□*K      |

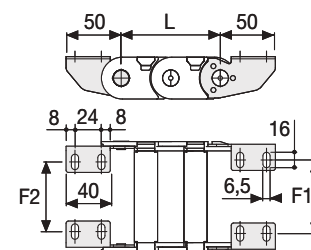
| Tiewrap Clamp |
|---------------|
| Part Number   |

|               |
|---------------|
| Assembled     |
| CFC325L□□□*KM |

|              |
|--------------|
| Unassembled  |
| CFC325L□□□*K |

| Centre-distance Reducers Set |
|------------------------------|
| Part Number                  |

|             |
|-------------|
| Unassembled |
| AQF325K     |



| Chain Type | F2 mm | F1 mm |
|------------|-------|-------|
| 325L...040 | 22    | 25,5  |
| 325L...060 | 42    | 45,5  |
| 325L...076 | 58    | 61,5  |
| 325L...103 | 85    | 88,5  |
| 325L...125 | 107   | 110,5 |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Unassembled Chain | End Brackets Set |
|--------------------------------|------------------|
| Type                           | Set              |
| 325L...                        | A325LK           |

| Tiewrap Clamp |
|---------------|
| Part Number   |

|               |
|---------------|
| Assembled     |
| CFC325L□□□*KM |

|              |
|--------------|
| Unassembled  |
| CFC325L□□□*K |

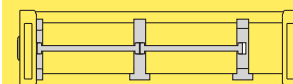
\* Inner width (C)  
\*\*\* Available on request in stainless steel

## Serie Light

### 325LI

### 325LE

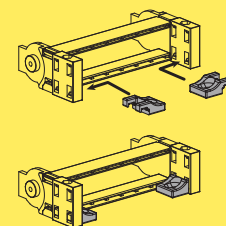
Nylon Cable Chain with opening frames



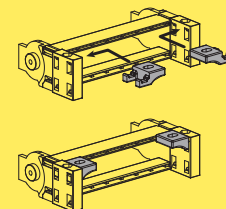
Separation System  
To choose the separators, see page 216

### Nylon end brackets centre-distance reducers

Reducers mounted on the inner radius



Reducers mounted on the outer radius



Suitable to long travel distance.  
To choose the guide channel see page 60

For further information please consult Brevetti Stendalto's Technical Office



# Serie Light

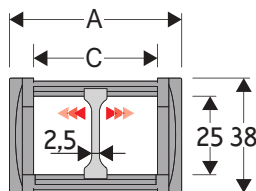
## 325L Nylon Cable Chain

### Inner height (D) 25 mm

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

Vertical separators available.

Used with guide channels, this chain is particularly suitable for long distance travel.



### Separator

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S325L   |
| - Assembled   | Part.no S325LMC |

### Technical characteristics when self-supported

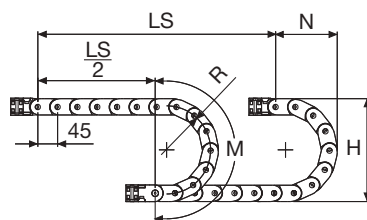
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 57      | 38      | 40      | 25      | 050-060-075-100-125-150 | 0,90           | 325L040 □□□ *        |
| 77      | 38      | 60      | 25      | 050-060-075-100-125-150 | 1,00           | 325L060 □□□ *        |
| 93      | 38      | 76      | 25      | 050-060-075-100-125-150 | 1,11           | 325L076 □□□ *        |
| 120     | 38      | 103     | 25      | 050-060-075-100-125-150 | 1,22           | 325L103 □□□ *        |
| 142     | 38      | 125     | 25      | 050-060-075-100-125-150 | 1,31           | 325L125 □□□ *        |

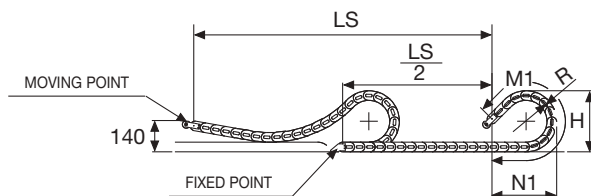
\*Complete the code by inserting the value of the radius (R): Ex. 325L040 □□□ □

4



| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 050     | 138     | 115     | 250     | 145      | 300      |
| 060     | 158     | 125     | 280     | 155      | 335      |
| 075     | 188     | 140     | 325     | 185      | 420      |
| 100     | 238     | 165     | 405     | 275      | 635      |
| 125     | 288     | 190     | 485     | 360      | 855      |
| 150     | 338     | 215     | 565     | 445      | 1075     |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.



**SLIDING VERSION**  
to be ordered with pivoting end brackets set

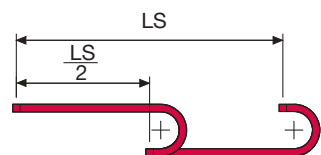
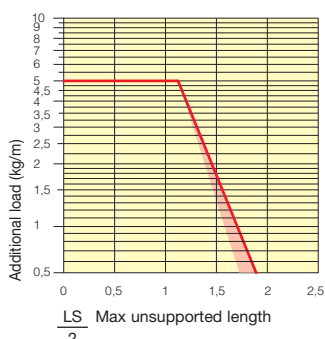
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

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



## 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. EBs tiewrap clamps and/or centre-distance reducers fully available under request.

### Nylon Type

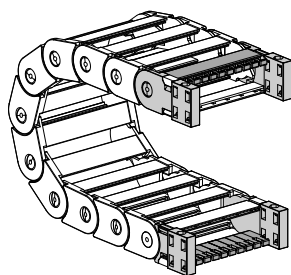


Fig. A  
Chain fixed outside/inside the radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

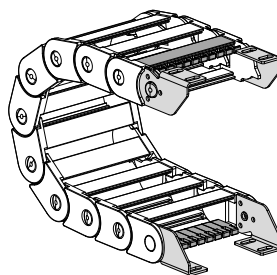
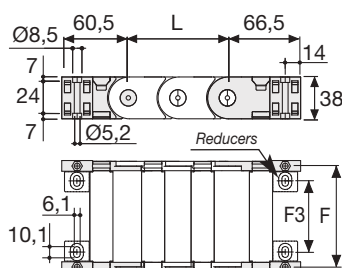


Fig. B  
Chain fixed outside or inside the radius. (Fig B)



| Chain type | F mm | F3 mm |
|------------|------|-------|
| 325L040    | 51   | 22    |
| 325L060    | 71   | 42    |
| 325L076    | 87   | 58    |
| 325L103    | 114  | 85    |
| 325L125    | 136  | 107   |

### Nylon Type Part Numbers

| Complete Set Assembled Chain | End Brackets Set |
|------------------------------|------------------|
| Type                         | Set              |
| 325L...                      | AN325L□□□*KM     |

| Complete Set Unassembled Chain | End Brackets Set |
|--------------------------------|------------------|
| Type                           | Set              |
| 325L...                        | AN325L□□□*K      |

| Tiewrap Clamp | Part Number   |
|---------------|---------------|
| Assembled     | CFC325L□□□*KM |
| Unassembled   | CFC325L□□□*K  |

| Centre-distance Reducers Set | Part Number |
|------------------------------|-------------|
| Unassembled                  | AQF325K     |

| Chain Type | F2 mm | F1 mm |
|------------|-------|-------|
| 325L040    | 22    | 25,5  |
| 325L060    | 42    | 45,5  |
| 325L076    | 58    | 61,5  |
| 325L103    | 85    | 88,5  |
| 325L125    | 107   | 110,5 |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Unassembled Chain | End Brackets Set |
|--------------------------------|------------------|
| Type                           | Set              |
| 325L...                        | A325LK           |

| Tiewrap Clamp | Part Number   |
|---------------|---------------|
| Assembled     | CFC325L□□□*KM |
| Unassembled   | CFC325L□□□*K  |

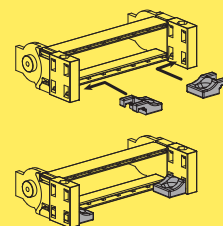
\* Inner width (C)  
\*\*\* Available on request in stainless steel

## Serie Light

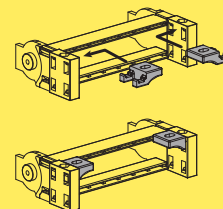
## 325L Nylon Cable Chain

### Nylon end brackets centre-distance reducers

Reducers mounted on the inner radius



Reducers mounted on the outer radius



Suitable to long travel distance.  
To choose the guide channel see page 60

For further information please consult Brevetti Stendalto's Technical Office

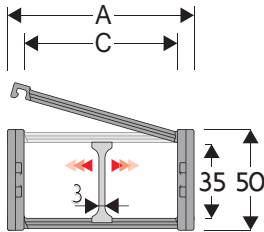
# Serie Light

## 335L/335LI/335LE

### Nylon Cable Chain

#### Inner height (D) 35 mm

Single-link construction with opening frames from inner radius.  
 Non-opening version (335L) and version with opening frames from outer radius (335LE) available on request.  
 Vertical separators available.



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

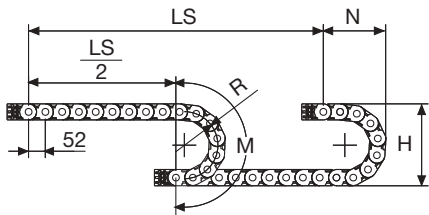
#### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

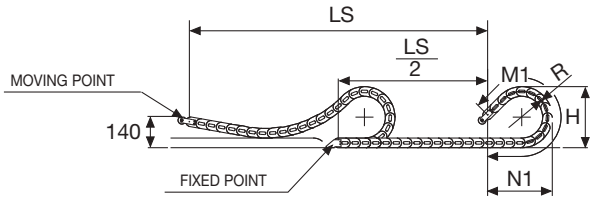
| A     | B  | C   | D  | R                       | Weight/m | Chain                 |
|-------|----|-----|----|-------------------------|----------|-----------------------|
| mm    | mm | mm  | mm | mm                      | kg       | Part Number           |
| 56,5  | 50 | 40  | 35 | 065-075-100-125-150-200 | 1,08     | 335L(LI)(LE)040 □□□ * |
| 66,5  | 50 | 50  | 35 | 065-075-100-125-150-200 | 1,12     | 335L(LI)(LE)050 □□□ * |
| 76,5  | 50 | 60  | 35 | 065-075-100-125-150-200 | 1,16     | 335L(LI)(LE)060 □□□ * |
| 92,5  | 50 | 76  | 35 | 065-075-100-125-150-200 | 1,22     | 335L(LI)(LE)076 □□□ * |
| 119,5 | 50 | 103 | 35 | 065-075-100-125-150-200 | 1,32     | 335L(LI)(LE)103 □□□ * |
| 141,5 | 50 | 125 | 35 | 065-075-100-125-150-200 | 1,40     | 335L(LI)(LE)125 □□□ * |
| 166,5 | 50 | 150 | 35 | 065-075-100-125-150-200 | 1,50     | 335L(LI)(LE)150 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 335L(LI)(LE)040 □ □ □



| R   | H   | N   | M   | N1  | M1   |
|-----|-----|-----|-----|-----|------|
| mm  | mm  | mm  | mm  | mm  | mm   |
| 065 | 180 | 169 | 310 | 220 | 465  |
| 075 | 200 | 179 | 340 | 260 | 560  |
| 100 | 250 | 204 | 420 | 350 | 790  |
| 125 | 300 | 229 | 500 | 445 | 1025 |
| 150 | 350 | 254 | 580 | 540 | 1260 |
| 200 | 450 | 304 | 735 | 730 | 1725 |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.



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

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

**SLIDING VERSION**  
 to be ordered with pivoting  
 end brackets set

#### 335L

Non-opening  
 (available on request)



#### 335LI

Frames opening from inner radius



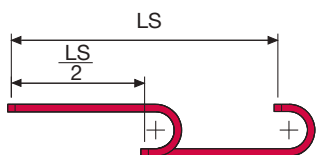
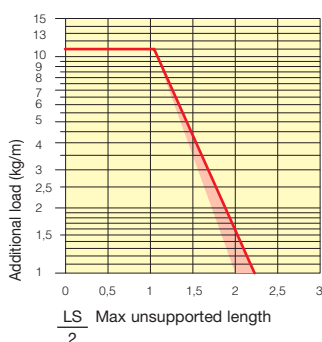
#### 335LE

Frames opening from outer radius  
 (available on request)



## 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

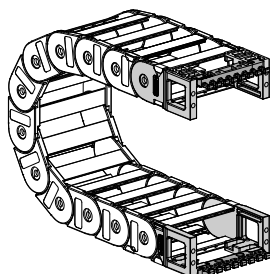
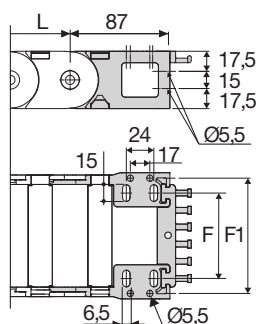


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain type | F mm | F1 mm |
|------------|------|-------|
| 335L...040 | 25   | 51    |
| 335L...050 | 35   | 61    |
| 335L...060 | 45   | 71    |
| 335L...076 | 61   | 87    |
| 335L...103 | 88   | 114   |
| 335L...125 | 110  | 136   |
| 335L...150 | 135  | 161   |

### Nylon Type Part Numbers

| Complete Set Assembled | Chain           | End Brackets |
|------------------------|-----------------|--------------|
| Type                   | Type            | Set          |
| 335                    | AN335L□□□*KM□** |              |

| Complete Set Unassembled | Chain       | End Brackets |
|--------------------------|-------------|--------------|
| Type                     | Type        | Set          |
| 335                      | AN335L□□□*K |              |

| Tiewrap Clamp | Part Number |
|---------------|-------------|
| 335           | PFN335□□□*  |

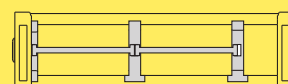
\* Inner width (C)

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

## Serie Light

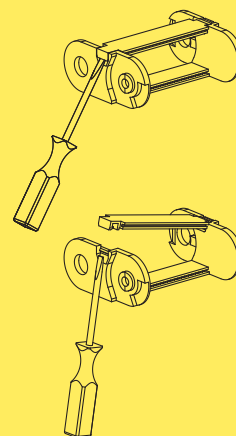
## 335L

### Nylon Cable Chain



Separation System  
To choose the separators, see page 216

How to open the cover.



Suitable to long travel distance.  
To choose the guide channel see page 60

For further information please consult Brevetti Stendalto's Technical Office



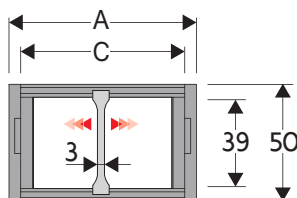
# Serie Light

# 339

## Nylon Cable Chain

### Inner height (D) 39 mm

Single link construction with central large anti-friction pivot, for high torsion and tensile resistance. Non-opening version. Short pitch and very small bending radius design makes these chains suitable for applications with the smallest available spaces. These series can be easily used for long distance travels with the corresponding guide channels.



### Separator

|               |                |
|---------------|----------------|
| - Unassembled | Part.no S339   |
| - Assembled   | Part.no S339MC |

### Technical characteristics when self-supported

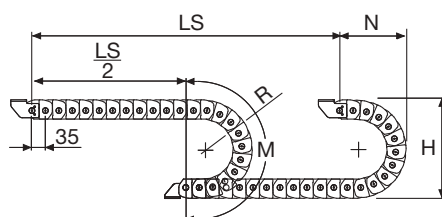
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------|----------------|----------------------|
| 60      | 50      | 40      | 39      | 050-075-100 | 1,48           | 339040 □□□ *         |
| 80      | 50      | 60      | 39      | 050-075-100 | 1,48           | 339060 □□□ *         |
| 96      | 50      | 76      | 39      | 050-075-100 | 1,65           | 339076 □□□ *         |

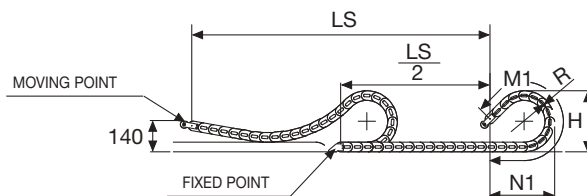
\*Complete the code by inserting the value of the radius (R): Ex. 339076 1 1 1

4



| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 050     | 156     | 115     | 230     | 140      | 275      |
| 075     | 206     | 135     | 305     | 215      | 470      |
| 100     | 256     | 160     | 385     | 310      | 705      |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.



**SLIDING VERSION**  
to be ordered with pivoting end brackets set

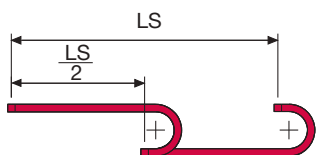
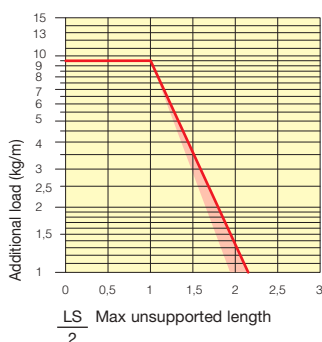
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

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



## 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.

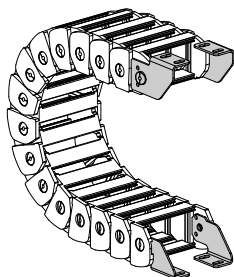
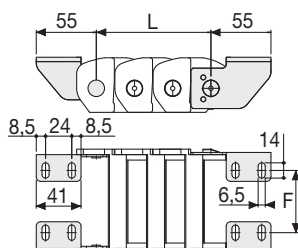


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31



| Chain Type | F mm |
|------------|------|
| 339040     | 21   |
| 339060     | 41   |
| 339076     | 57   |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 339...                   | A339K        |

\*\*\* Available on request in stainless steel

## Serie Light

## 339 Nylon Cable Chain



Suitable to long travel distance.  
To choose the guide channel see page 60

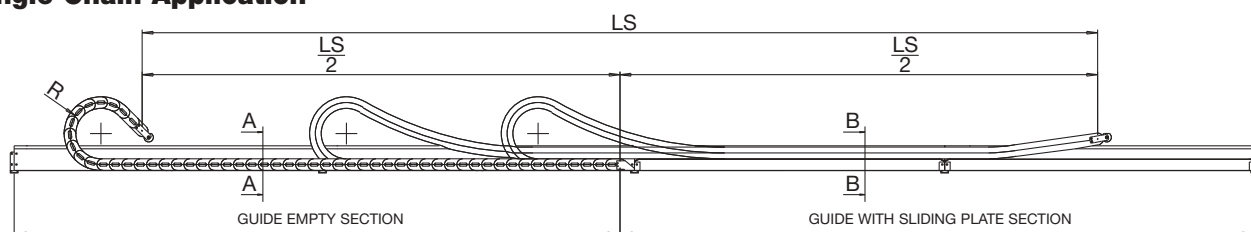
For further information please consult Brevetti Stendalto's Technical Office

# Serie Light

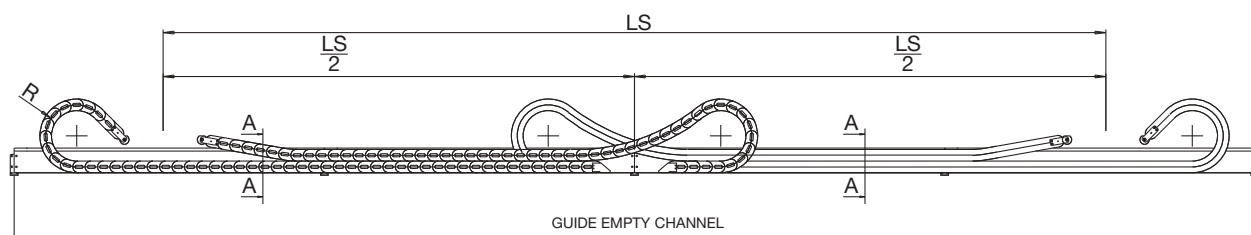
## Guide Channel 250L-300

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

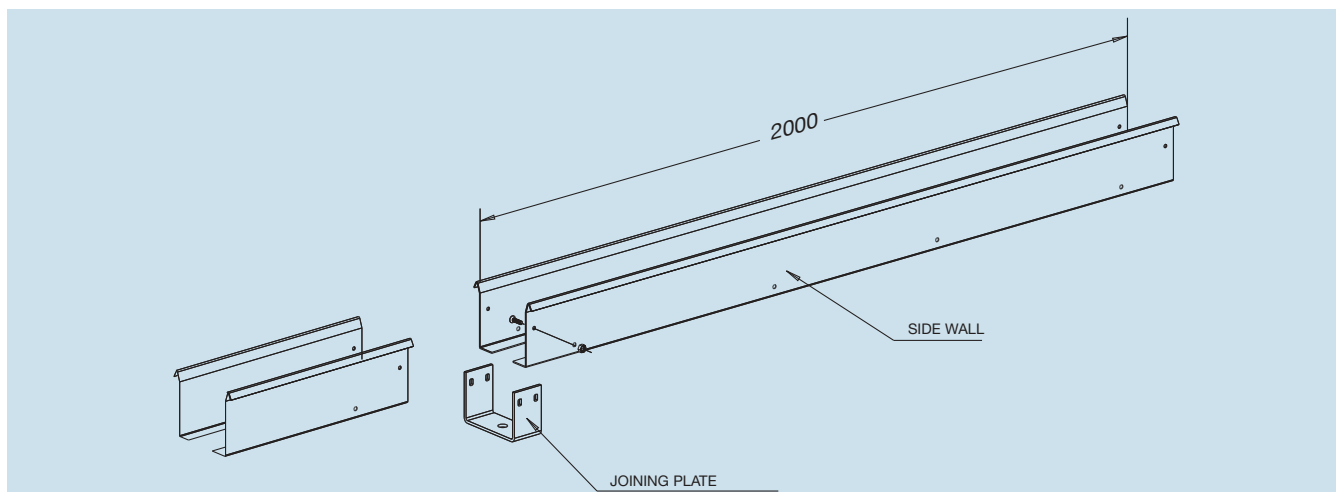
### Single Chain Application



### Double Chain Application

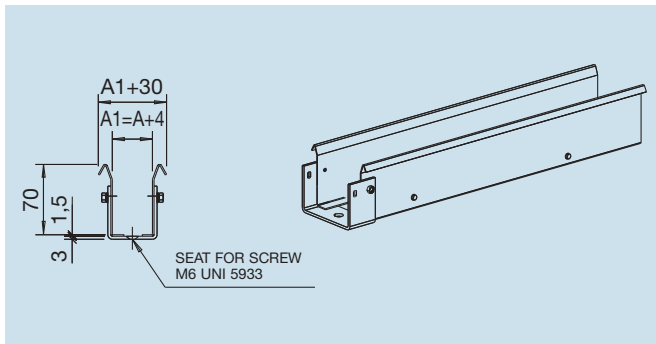


Channel guide is available in kit form  
composed of:  
side walls 2 m standard length  
joining plates  
fixing screws



## Guide Empty Section

Section A-A



### Part Number

**CS250...**

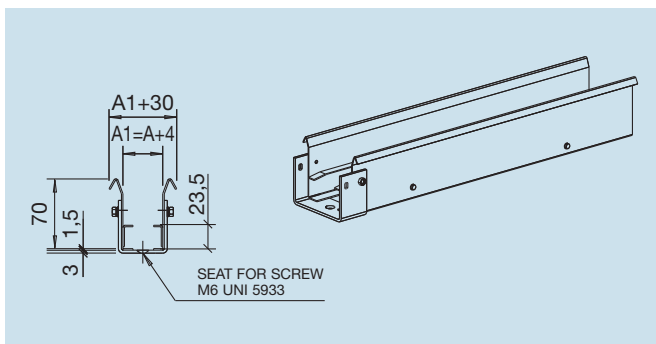
How to order

Chain part number **250L035060**

Guide channel  
part number **CS250L035**

## Guide Sliding Plate Section

Section B-B



### Part Number

**CA250...**

How to order

Chain part number **250L035060**

Guide channel  
part number **CA250L035**



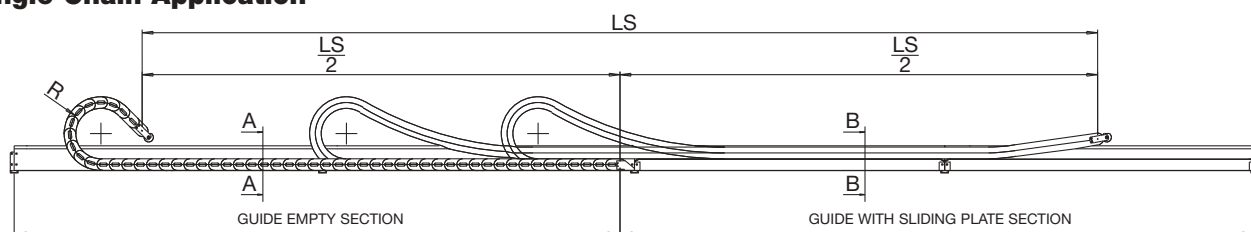
# Serie Light

## Guide Channel

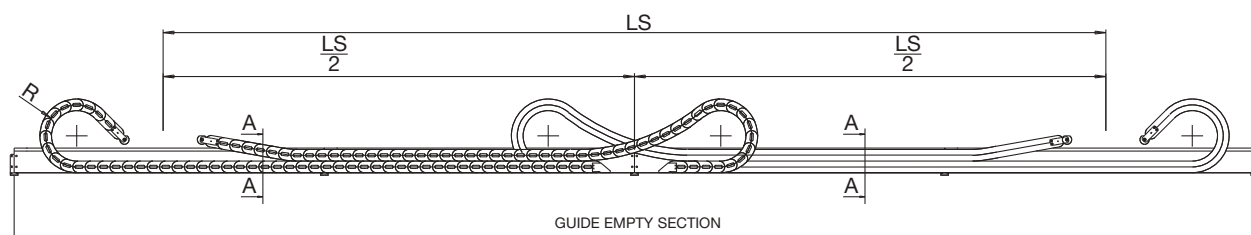
### 325L-325LI/LE/PI-335L/LI/LE-339

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

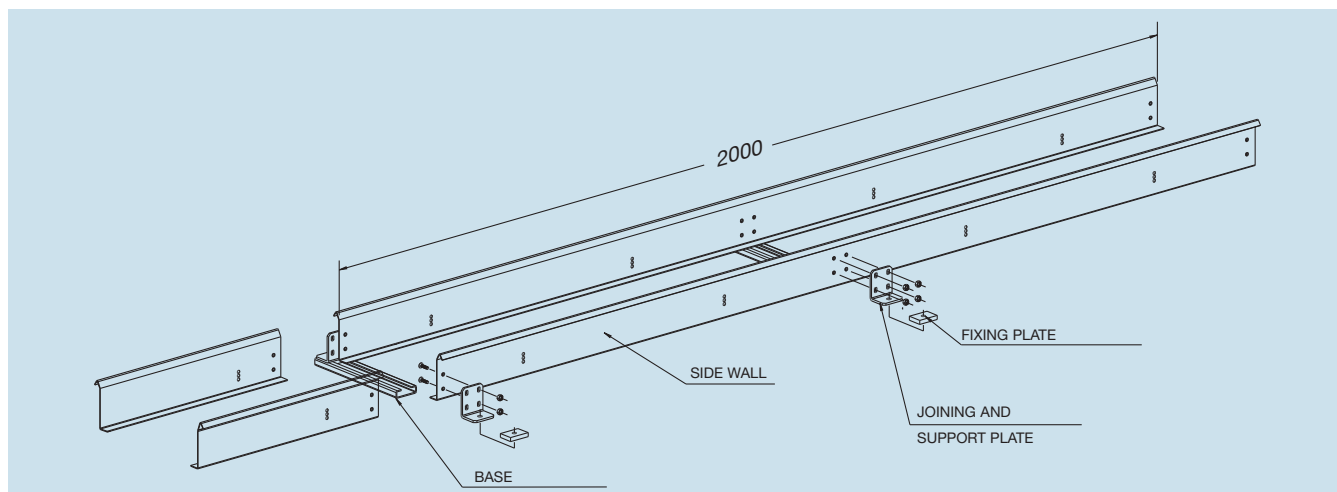
#### Single Chain Application



#### Double Chain Application

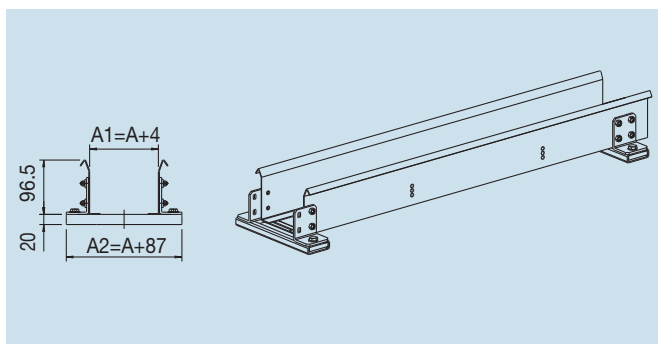


Channel guide is available in kit form composed of:  
side walls 2 m standard length  
joining plates  
fixing screws



## Guide Empty Section

Section A-A



### Part Number

**CS325L-LI-LE**

How to order

Chain part number **325L040050**

Chain part number **325LI040050**

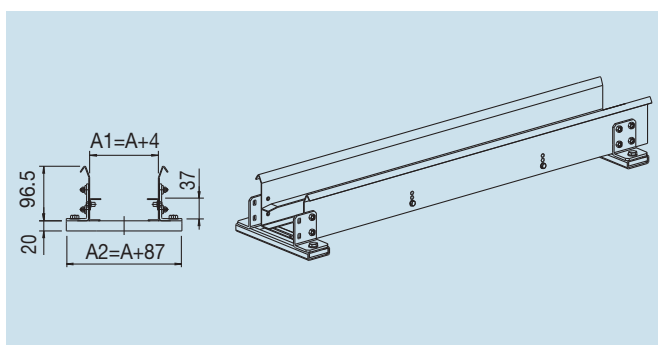
Chain part number **325LE040050**

Guide channel

part number **CS325L040**

## Guide Sliding Plate Section 325...

Section B-B



### Part Number

**CA325L-LI-LE**

How to order

Chain part number **325L040050**

Chain part number **325LI040050**

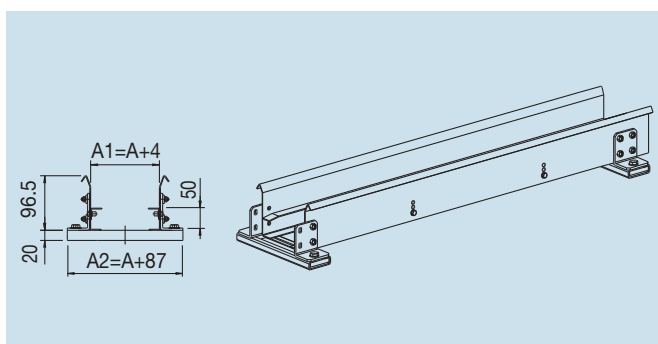
Chain part number **325LE040050**

Guide channel

part number **CA325040**

## Guide Sliding Plate Section 335 - 339

Section B-B



### Part Number

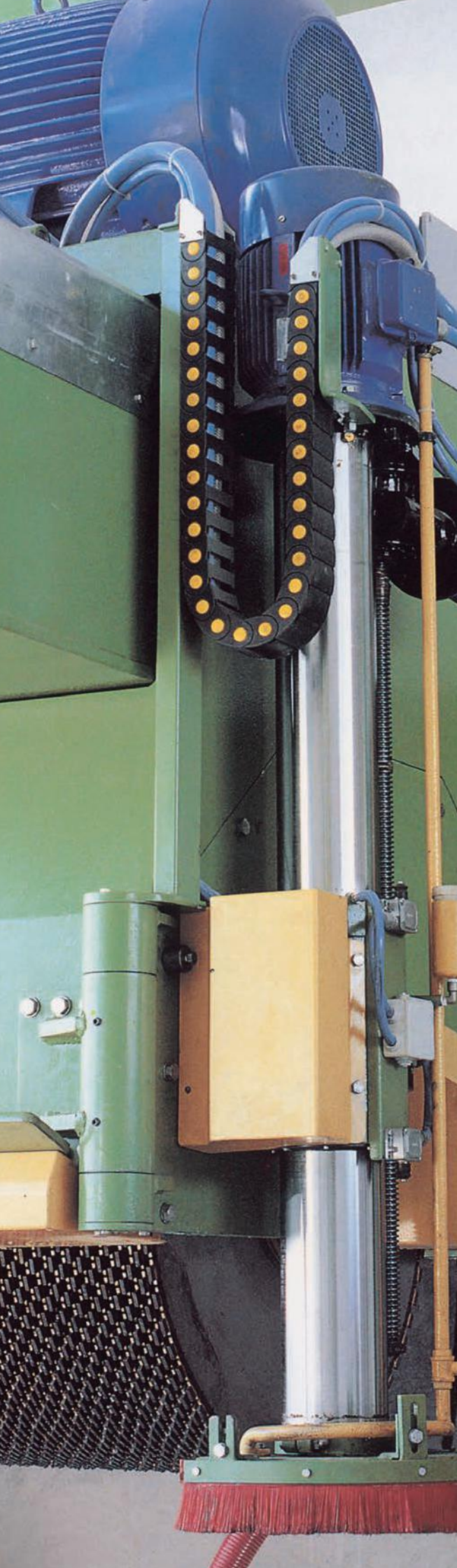
**CA339...**

How to order

Chain part number **339040050**

Guide channel

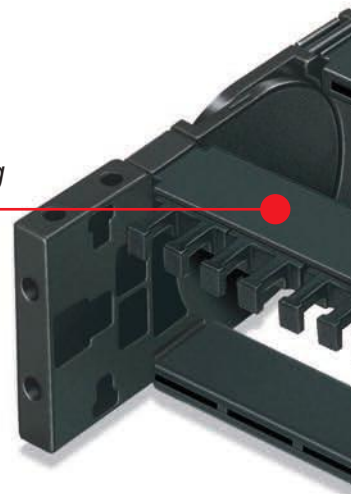
part number **CA339040**



# Nylon Cable Chains Medium Series

|                                                                    |         |
|--------------------------------------------------------------------|---------|
| 300A Series                                                        | page 64 |
| 300 Series                                                         | page 66 |
| 301F Series                                                        | page 68 |
| 305A Series                                                        | page 70 |
| 305 Series                                                         | page 72 |
| 355A Series                                                        | page 74 |
| 355 Series                                                         | page 76 |
| 400 Series                                                         | page 78 |
| 435MU Series                                                       | page 80 |
| 445MU Series                                                       | page 82 |
| 660A Series                                                        | page 84 |
| 770A Series                                                        | page 86 |
| 475MU Series                                                       | page 88 |
| <hr/>                                                              |         |
| Channel guide for long travel distance<br>For chains 305-355-435MU | page 90 |

*Tiewrap clamp for an  
optimal conduct fixing*



*Steel or nylon end brackets*





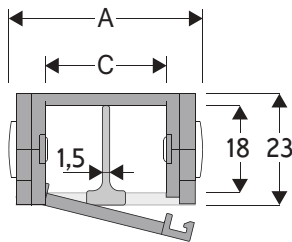


# Serie Medium

## 300A Nylon Cable Chain with opening frames

### Inner height (D) 18 mm

Single link construction with anti-friction single-pin.  
Frames opening 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 |                 |

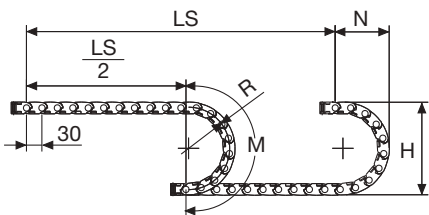
### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

| A  | B  | C  | D  | R               | Weight/m | Chain         |
|----|----|----|----|-----------------|----------|---------------|
| mm | mm | mm | mm | mm              | kg       | Part Number   |
| 27 | 23 | 15 | 18 | 040-060-080-120 | 0,41     | 300A015 □□□ * |
| 37 | 23 | 25 | 18 | 040-060-080-120 | 0,45     | 300A025 □□□ * |
| 62 | 23 | 50 | 18 | 040-060-080-120 | 0,55     | 300A050 □□□ * |
| 87 | 23 | 75 | 18 | 040-060-080-120 | 0,65     | 300A075 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 300A015 □ □ □ □



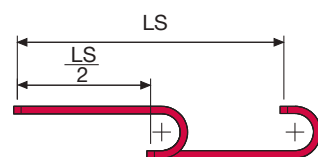
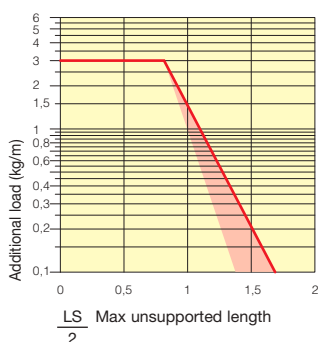
| R   | H   | N   | M   |
|-----|-----|-----|-----|
| mm  | mm  | mm  | mm  |
| 040 | 103 | 85  | 185 |
| 060 | 143 | 105 | 250 |
| 080 | 183 | 125 | 315 |
| 120 | 263 | 165 | 440 |

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. Set complete with tiewrap clamps available on request.

### Nylon Type

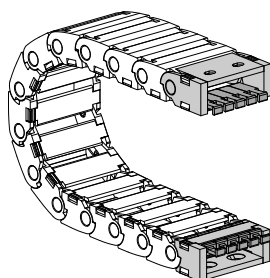
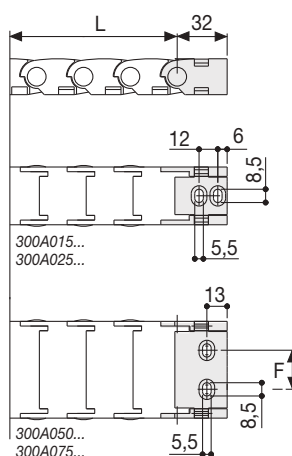


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 300A050    | 25   |
| 300A075    | 50   |

### Nylon Type Part Numbers

| Complete Set Assembled Chain | End Brackets |
|------------------------------|--------------|
| Type                         | Set          |
| 300A...                      | AN300A□□□*KM |

| Complete Set Unassembled Chain | End Brackets |
|--------------------------------|--------------|
| Type                           | Set          |
| 300A...                        | AN300A□□□*K  |

| Tiewrap Clamp | Part Number  |
|---------------|--------------|
| Assembl.      | CFC300□□□*KM |
| Unassembl.    | CFC300□□□*K  |

### Bright Zinc Plated Steel Type\*\*\*

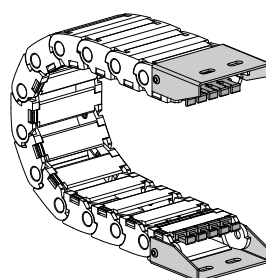
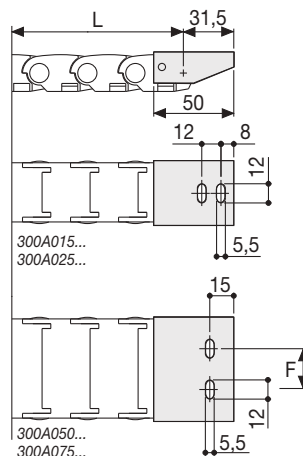


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 300A050    | 25   |
| 300A075    | 50   |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled Chain | End Brackets |
|------------------------------|--------------|
| Type                         | Set          |
| 300A...                      | A300A□□□*KM  |

| Complete Set Unassembled Chain | End Brackets |
|--------------------------------|--------------|
| Type                           | Set          |
| 300A...                        | A300A□□□*K   |

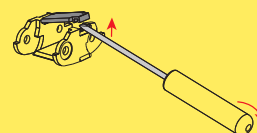
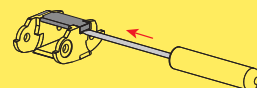
| Tiewrap Clamp | Part Number  |
|---------------|--------------|
| Assembl.      | CFC300□□□*KM |
| Unassembl.    | CFC300□□□*K  |

\* Inner width (C)  
\*\*\* Available on request in stainless steel

## Serie Medium

## 300A Nylon Cable Chain with opening frames

How to open the cover.



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



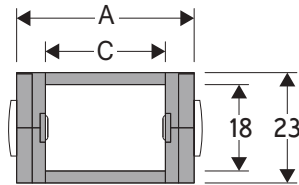
For further information please consult Brevetti Stendalto's Technical Office

# Serie Medium

## 300 Nylon Cable Chain

### Inner height (D) 17 mm

Single link construction with anti-friction single-pin. Non-opening. 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 |

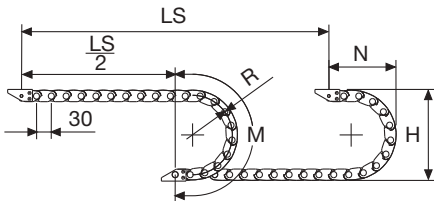
| Technical characteristics when self-supported |                     |
|-----------------------------------------------|---------------------|
| Speed                                         | 10 m/s              |
| Acceleration                                  | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A  | B  | C  | D  | R               | Weight/m | Chain        |
|----|----|----|----|-----------------|----------|--------------|
| mm | mm | mm | mm | mm              | kg       | Part Number  |
| 30 | 23 | 14 | 18 | 040-060-080-120 | 0,38     | 300015 □□□ * |
| 41 | 23 | 25 | 18 | 040-060-080-120 | 0,43     | 300025 □□□ * |
| 52 | 23 | 36 | 18 | 040-060-080-120 | 0,48     | 300035 □□□ * |

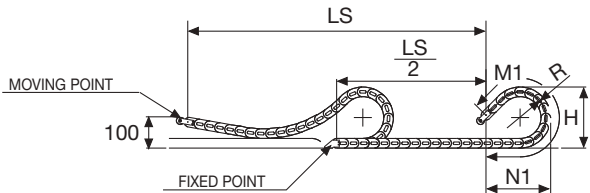
\*Complete the code by inserting the value of the radius (R): Ex. 300015 □□□ □

4



| R   | H   | N   | M   | N1  | M1   |
|-----|-----|-----|-----|-----|------|
| mm  | mm  | mm  | mm  | mm  | 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 |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.



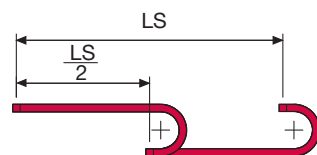
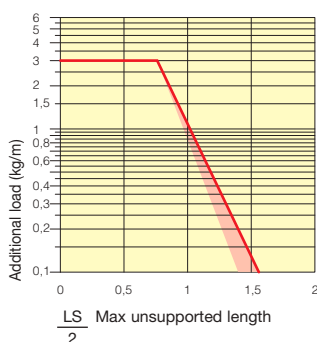
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

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



## 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.

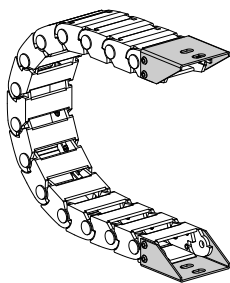
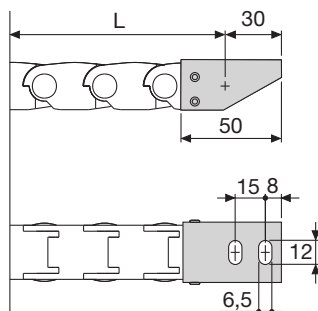


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |                                       |
|------------------------|---------------------------------------|
| Chain Type             | End Brackets Set                      |
| 300015...              | AP300KM <input type="checkbox"/> **   |
| 300025...              | AG300KM <input type="checkbox"/> **   |
| 300035...              | A300035KM <input type="checkbox"/> ** |

| Complete Set Unassembled |                                      |
|--------------------------|--------------------------------------|
| Chain Type               | End Brackets Set                     |
| 300015...                | AP300K <input type="checkbox"/> **   |
| 300025...                | AG300K <input type="checkbox"/> **   |
| 300035...                | A300035K <input type="checkbox"/> ** |

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

\*\*\* Available on request in stainless steel

Serie Medium

**300**  
Nylon Cable Chain

4



Suitable to long travel distance.  
To choose the guide channel  
see page 58

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



For further information please  
consult Brevetti Stendalto's  
Technical Office



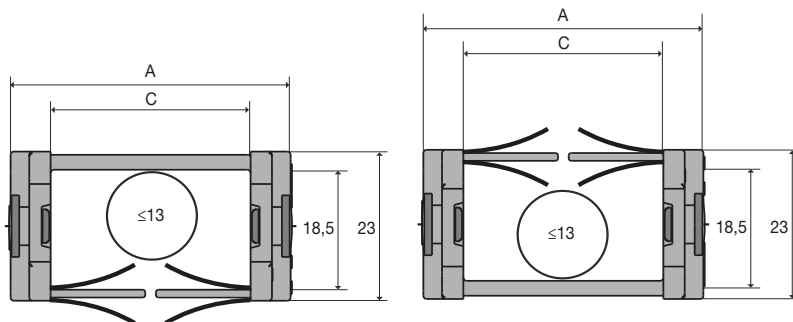
# Serie Medium

## 301FI - 301FE Nylon cable chain

**NEW**

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

Single-link chain and pin made of anti-friction material in open construction with easy cable insertion.



### Perno

Cod. PG300A

### Caratteristiche tecniche in autoportanza

Speed 10 m/s

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

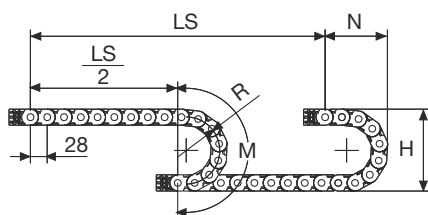
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------|----------------|----------------------|
| 32      | 23      | 20      | 18,5    | 028-038-048 | 0,33           | 301F(I/E)120R□□□*    |
| 42      | 23      | 30      | 18,5    | 028-038-048 | 0,35           | 301F(I/E)130R□□□*    |
| 52      | 23      | 40      | 18,5    | 028-038-048 | 0,37           | 301F(I/E)140R□□□*    |
| 62      | 23      | 50      | 18,5    | 028-038-048 | 0,39           | 301F(I/E)150R□□□*    |

\*Complete the code by inserting the value of the radius (R): Ex. 301FI/E120R□□□

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 28      | 79      | 63,5    | 140,0   |
| 38      | 99      | 73,5    | 170,0   |
| 48      | 119     | 83,5    | 200,0   |

4

For higher requirements please consult our technical dept.



Length of chain (L)

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

plus length of curve (M)

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

**Easy** cable insertion



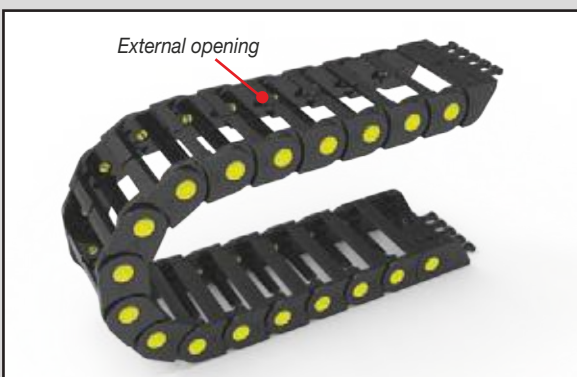
### 301FI

Openable on inside radius



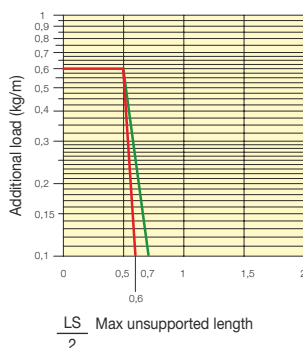
### 301FE

Openable on outside radius



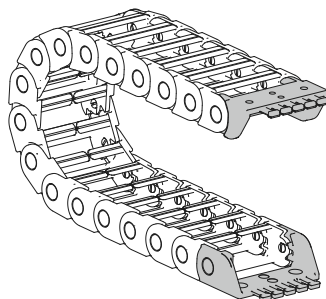
## Self-Supporting Capacity Diagram

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.

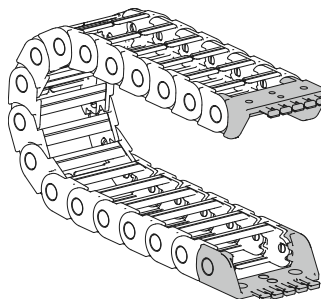


## End Brackets

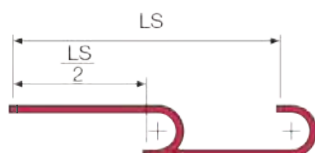
The end brackets set allows the two ends of the chain to be attached to the equipment. End brackets are equipped with tie-wrap clamps.



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

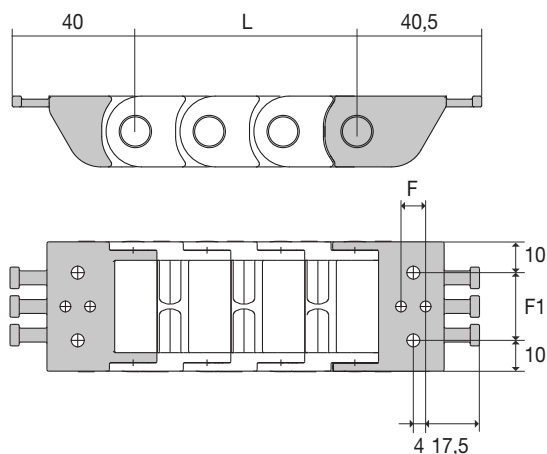


(Fig. B)  
Chain fixed outside the radius.  
See end brackets mounting variations page 31.



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).



| Chain type | F mm |
|------------|------|
| 301F...20  | 0    |
| 301F...30  | 22   |
| 301F...40  | 32   |
| 301F...50  | 42   |

## Nylon Type with tie-wrap clamps Part Numbers

### Complete Set Assembled

AN301F□□□\*KM□\*\*

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

\* Inner width C

### Complete Set Unassembled

AN301F□□□\*K

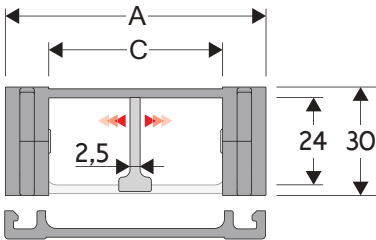
\* Inner width C

# Serie Medium

## 305A 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.



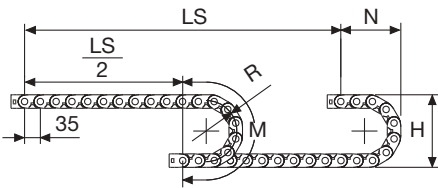
| Separator     |                 |
|---------------|-----------------|
| - Unassembled | Part.no S305A   |
| - Assembled   | Part.no S305AMC |
| Pin           |                 |
| Part.no PG305 |                 |

### 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  | B  | C  | D  | R   | Weight/m | Chain       |
|----|----|----|----|-----|----------|-------------|
| mm | mm | mm | mm | mm  | kg       | Part Number |
| 54 | 30 | 30 | 24 | 50  | 0,85     | 305A008     |
| 54 | 30 | 30 | 24 | 70  | 0,85     | 305A010     |
| 54 | 30 | 30 | 24 | 120 | 0,85     | 305A020     |
| 54 | 30 | 30 | 24 | 150 | 0,85     | 305A050     |
| 74 | 30 | 50 | 24 | 50  | 0,95     | 305A009     |
| 74 | 30 | 50 | 24 | 70  | 0,95     | 305A030     |
| 74 | 30 | 50 | 24 | 120 | 0,95     | 305A040     |
| 74 | 30 | 50 | 24 | 150 | 0,95     | 305A060     |



| R   | H   | N   | M   |
|-----|-----|-----|-----|
| mm  | mm  | mm  | 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)

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





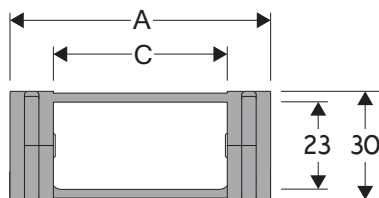


# Serie Medium

## 305 Nylon Cable Chain

### Inner height (D) 23 mm

Double share single link joining construction with large anti-friction single-pin. Non-opening. 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

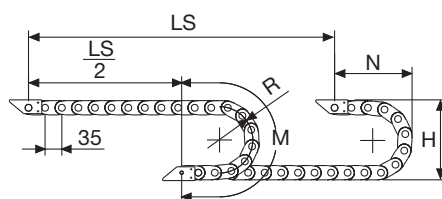
\*Separator not to be used in long-stroke applications

### Technical characteristics when self-supported

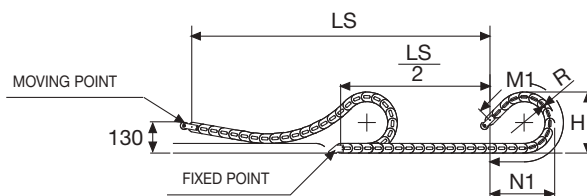
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------|----------------|----------------------|
| 54      | 30      | 30      | 23      | 50      | 0,90           | 305008               |
| 54      | 30      | 30      | 23      | 70      | 0,90           | 305010               |
| 54      | 30      | 30      | 23      | 120     | 0,90           | 305020               |
| 54      | 30      | 30      | 23      | 150     | 0,90           | 305050               |
| 74      | 30      | 50      | 23      | 50      | 1,00           | 305009               |
| 74      | 30      | 50      | 23      | 70      | 1,00           | 305030               |
| 74      | 30      | 50      | 23      | 120     | 1,00           | 305040               |
| 74      | 30      | 50      | 23      | 150     | 1,00           | 305060               |



For sliding applications, technical data can slightly change according to frequency, added weight and environment.



| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>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     |

**SLIDING VERSION**  
to be ordered with pivoting end brackets set

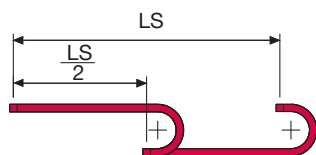
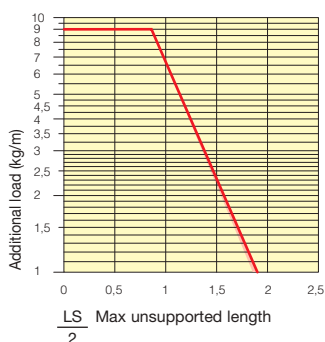
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

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



## 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

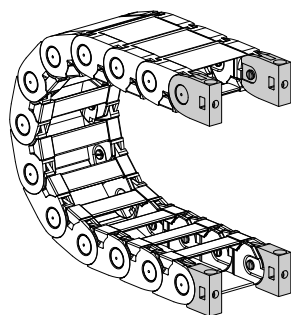


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

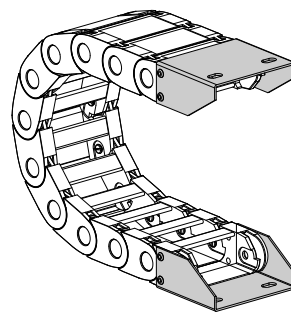
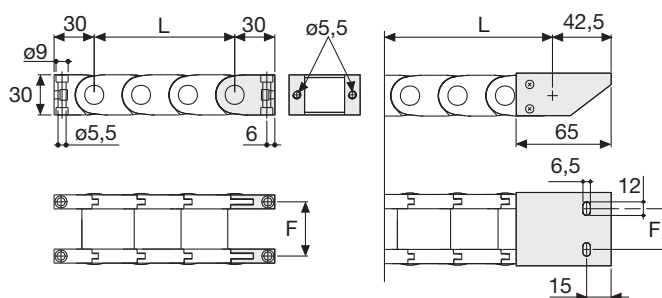


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 305 C=30   | 40,5 |
| 305 C=50   | 60,5 |

### Nylon Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 305 C=30                          | AN305KM          |
| 305 C=50                          | AN305KM          |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 305 C=30                            | AN305K           |
| 305 C=50                            | AN305K           |

| Chain Type | F mm |
|------------|------|
| 305 C=30   | 30,5 |
| 305 C=50   | 51,5 |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 305 C=30                          | AP305KM□**       |
| 305 C=50                          | AG305KM□**       |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 305 C=30                            | AP305K□**        |
| 305 C=50                            | AG305K□**        |

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

\*\*\* Available on request in stainless steel

## Serie Medium

## 305 Nylon Cable Chain



Suitable to long travel distance.  
To choose the guide channel see page 90

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



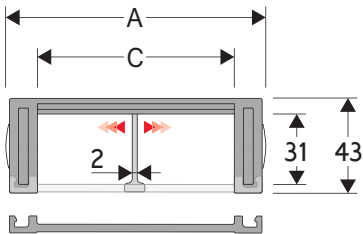
For further information please consult Brevetti Stendalto's Technical Office

# Serie Medium

## 355A 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.



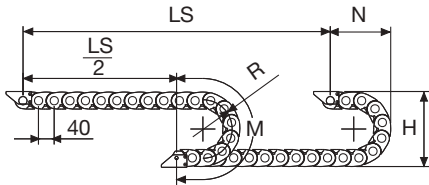
| Separator     |                |
|---------------|----------------|
| - Unassembled | Part.no S355   |
| - Assembled   | Part.no S355MC |
| Pin           |                |
| Part.no PG355 |                |

### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

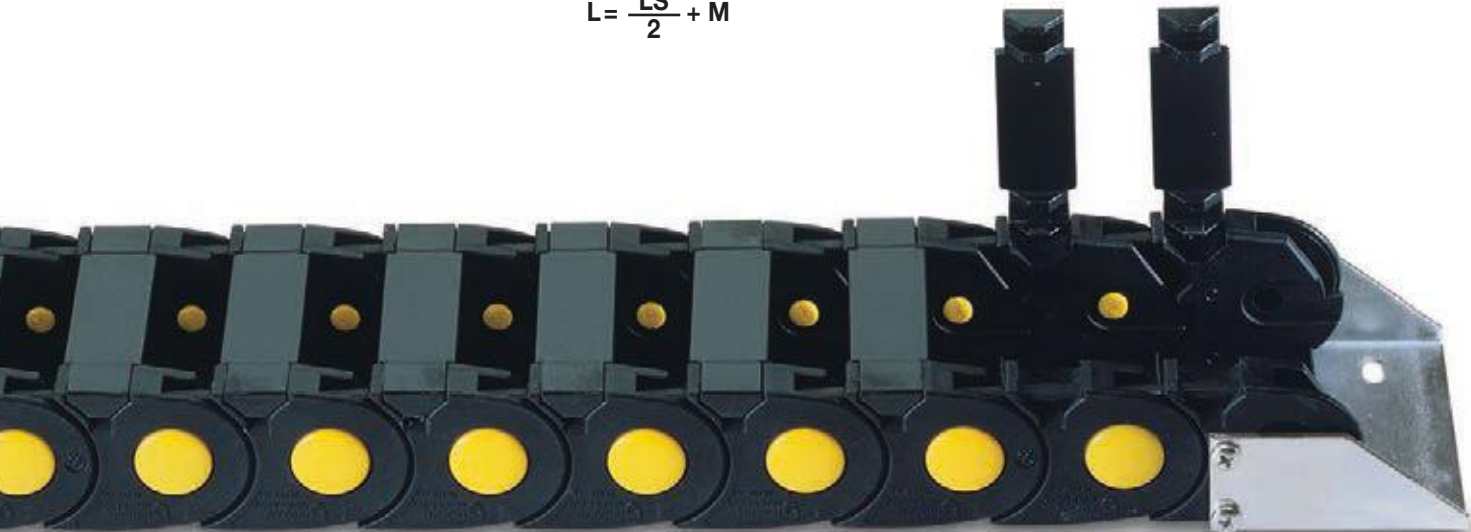
| A   | B  | C  | D  | R   | Weight/m | Chain       |
|-----|----|----|----|-----|----------|-------------|
| mm  | mm | mm | mm | mm  | kg       | Part Number |
| 74  | 43 | 45 | 31 | 75  | 1,40     | 355A045     |
| 74  | 43 | 45 | 31 | 100 | 1,40     | 355A046     |
| 74  | 43 | 45 | 31 | 150 | 1,40     | 355A047     |
| 74  | 43 | 45 | 31 | 200 | 1,40     | 355A048     |
| 94  | 43 | 65 | 31 | 75  | 1,50     | 355A065     |
| 94  | 43 | 65 | 31 | 100 | 1,50     | 355A066     |
| 94  | 43 | 65 | 31 | 150 | 1,50     | 355A067     |
| 94  | 43 | 65 | 31 | 200 | 1,50     | 355A068     |
| 124 | 43 | 95 | 31 | 75  | 1,70     | 355A095     |
| 124 | 43 | 95 | 31 | 100 | 1,70     | 355A096     |
| 124 | 43 | 95 | 31 | 150 | 1,70     | 355A097     |
| 124 | 43 | 95 | 31 | 200 | 1,70     | 355A098     |



| R   | H   | N   | M   |
|-----|-----|-----|-----|
| mm  | mm  | mm  | mm  |
| 75  | 194 | 140 | 315 |
| 100 | 244 | 165 | 395 |
| 150 | 344 | 215 | 555 |
| 200 | 444 | 265 | 710 |

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

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





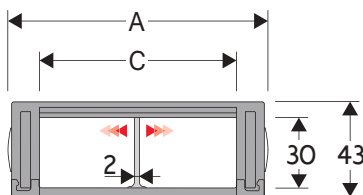


# Serie Medium

## 355 Nylon Cable Chain

### Inner height (D) 30 mm

Double share single link joining construction with large anti-friction single-pin. Non-opening. 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

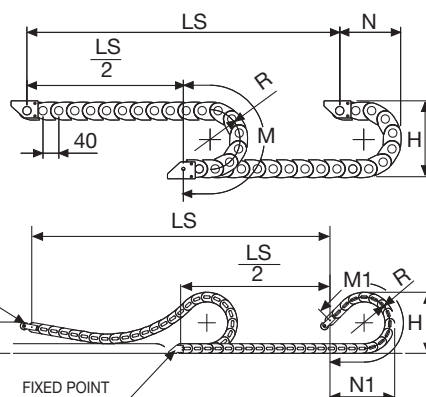
\*Separator not to be used in long-stroke applications

### 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<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------|----------------|----------------------|
| 74      | 43      | 45      | 30      | 54      | 1,35           | 355044               |
| 74      | 43      | 45      | 30      | 75      | 1,35           | 355045               |
| 74      | 43      | 45      | 30      | 100     | 1,35           | 355046               |
| 74      | 43      | 45      | 30      | 150     | 1,35           | 355047               |
| 74      | 43      | 45      | 30      | 200     | 1,35           | 355048               |
| 94      | 43      | 65      | 30      | 54      | 1,45           | 355064               |
| 94      | 43      | 65      | 30      | 75      | 1,45           | 355065               |
| 94      | 43      | 65      | 30      | 100     | 1,45           | 355066               |
| 94      | 43      | 65      | 30      | 150     | 1,45           | 355067               |
| 94      | 43      | 65      | 30      | 200     | 1,45           | 355068               |
| 124     | 43      | 95      | 30      | 54      | 1,65           | 355094               |
| 124     | 43      | 95      | 30      | 75      | 1,65           | 355095               |
| 124     | 43      | 95      | 30      | 100     | 1,65           | 355096               |
| 124     | 43      | 95      | 30      | 150     | 1,65           | 355097               |
| 124     | 43      | 95      | 30      | 200     | 1,65           | 355098               |



| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 54      | 152     | 120     | 250     | 135      | 290      |
| 75      | 194     | 140     | 315     | 190      | 420      |
| 100     | 244     | 165     | 395     | 275      | 640      |
| 150     | 344     | 215     | 555     | 450      | 1075     |
| 200     | 444     | 265     | 710     | 620      | 1515     |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.

**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set

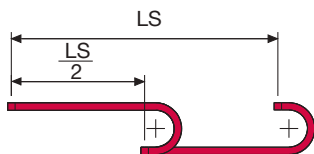
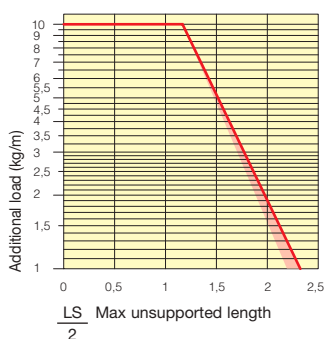
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

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



## 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

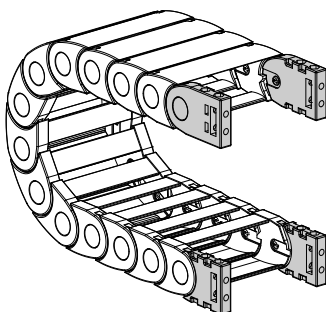


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

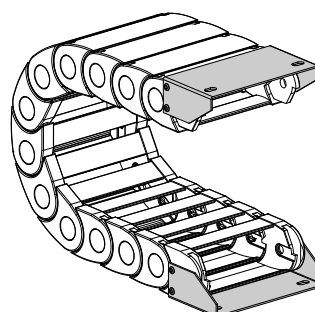
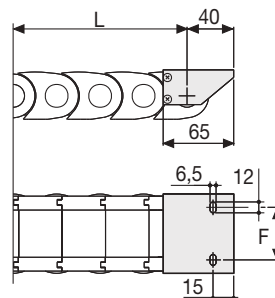
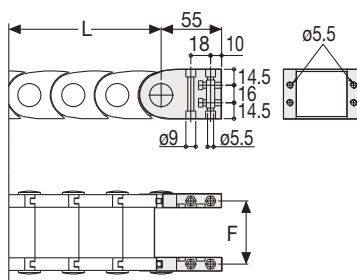


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 355 C=45   | 57   |
| 355 C=65   | 77   |
| 355 C=95   | 107  |

### Nylon Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 355 C=45                          | AN355KM          |
| 355 C=65                          | AN355KM          |
| 355 C=95                          | AN355KM          |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 355 C=45                            | AN355K           |
| 355 C=65                            | AN355K           |
| 355 C=95                            | AN355K           |

| Chain Type | F mm |
|------------|------|
| 355 C=45   | 50   |
| 355 C=65   | 70   |
| 355 C=95   | 100  |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 355 C=45                          | AP355KM□**       |
| 355 C=65                          | AM355KM□**       |
| 355 C=95                          | AG355KM□**       |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 355 C=45                            | AP355K□**        |
| 355 C=65                            | AM355K□**        |
| 355 C=95                            | AG355K□**        |

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

\*\*\* Available on request in stainless steel

## Serie Medium

## 355 Nylon Cable Chain



Suitable to long travel distance.  
To choose the guide channel see page 90

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



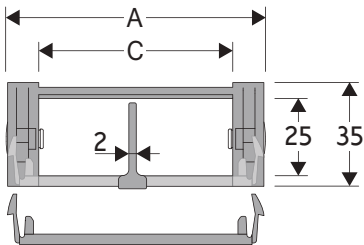
For further information please consult Brevetti Stendalto's Technical Office

# Serie Medium

## 400 Nylon Cable Chain with removable frames

### Inner height (D) 25 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.



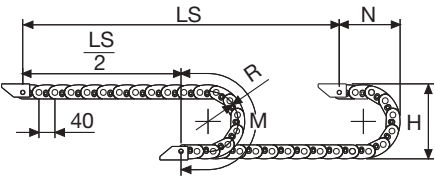
| Separator     |                |
|---------------|----------------|
| - Unassembled | Part.no S400   |
| - Assembled   | Part.no S400MC |
| Pin           |                |
|               | Part.no PG305  |

### Technical characteristics when self-supported

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

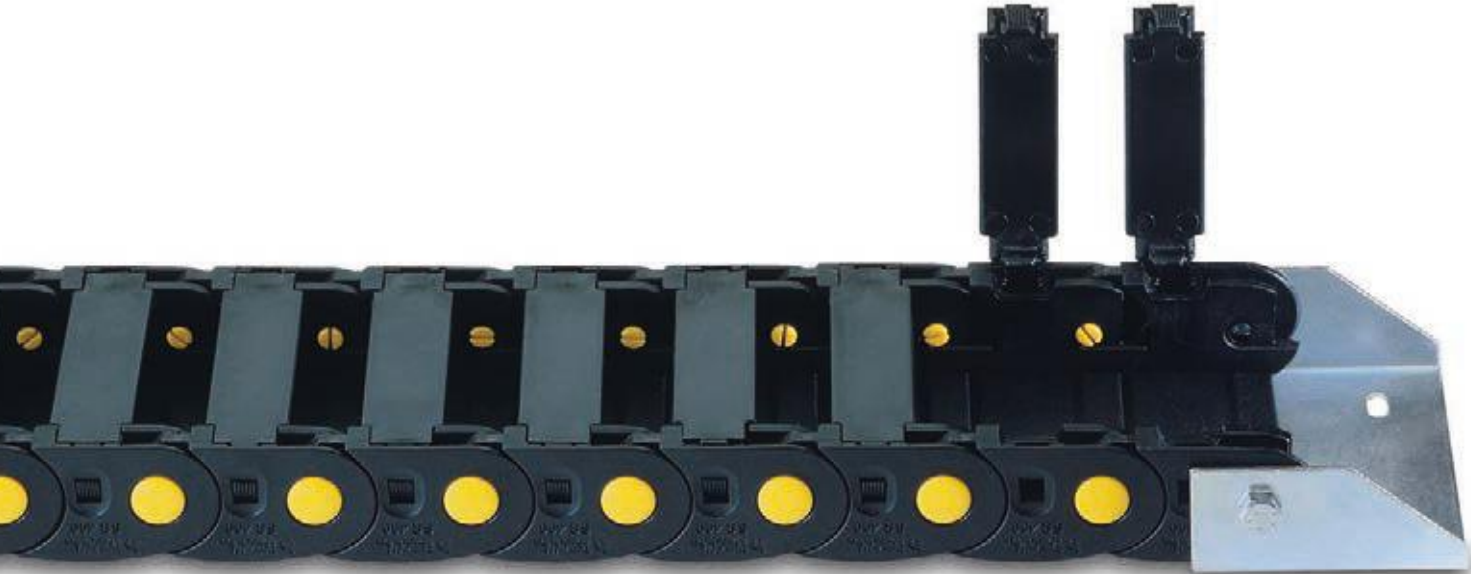
For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------|----------------|----------------------|
| 62      | 35      | 40      | 25      | 50      | 1,10           | 400040               |
| 62      | 35      | 40      | 25      | 75      | 1,10           | 400041               |
| 62      | 35      | 40      | 25      | 100     | 1,10           | 400042               |
| 62      | 35      | 40      | 25      | 150     | 1,10           | 400043               |
| 82      | 35      | 60      | 25      | 50      | 1,25           | 400060               |
| 82      | 35      | 60      | 25      | 75      | 1,25           | 400061               |
| 82      | 35      | 60      | 25      | 100     | 1,25           | 400062               |
| 82      | 35      | 60      | 25      | 150     | 1,25           | 400063               |



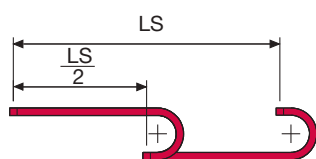
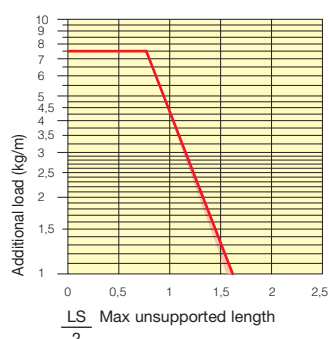
| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 50      | 138     | 110     | 240     |
| 75      | 188     | 135     | 315     |
| 100     | 238     | 160     | 395     |
| 150     | 338     | 210     | 555     |

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

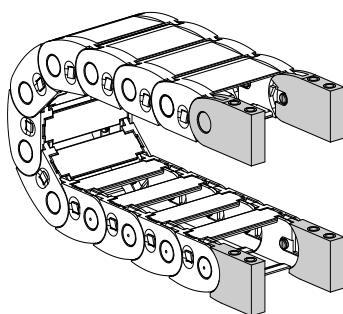


Fig. A  
Chain fixed outside/inside the radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

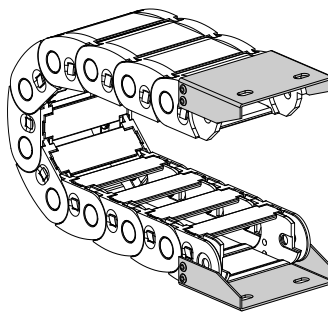
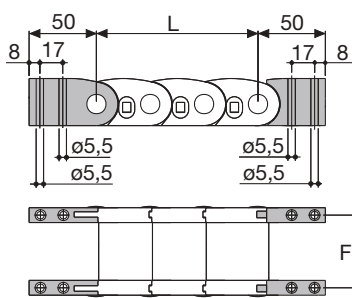


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

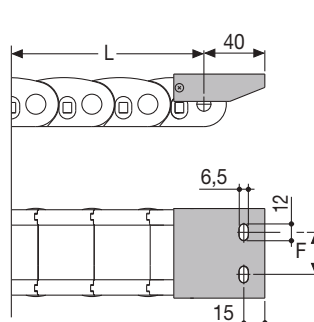


| Chain Type | F mm |
|------------|------|
| 400 C=40   | 50   |
| 400 C=60   | 70   |

### Nylon Type Part Numbers

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 400 C=40               | AN400KM          |
| 400 C=60               | AN400KM          |

| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 400 C=40                 | AN400K           |
| 400 C=60                 | AN400K           |



| Chain Type | F mm |
|------------|------|
| 400 C=40   | 30   |
| 400 C=60   | 50   |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 400 C=40               | AP400KM1         |
| 400 C=60               | AG400KM1         |

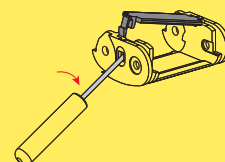
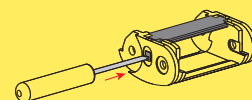
| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 400 C=40                 | AP400K1          |
| 400 C=60                 | AG400K1          |

\*\*\* Available on request in stainless steel

## Serie Medium

## 400 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



## Serie Medium

# 435MU

## Nylon Cable Chain with opening frames

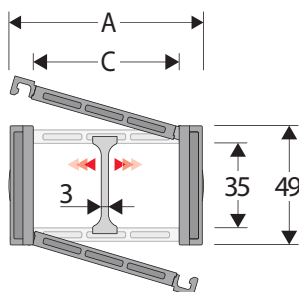
### Inner height (D) 35 mm

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

Frames opening from inner radius (435MI) or from outer radius (435ME).

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 S4353MCI |
| - Assembled** | Part.no S4353MCE |

### Pin

Part.no PG4353

\* for chain opening outer radius

\*\* for chain opening inner radius

### Technical characteristics when self-supported

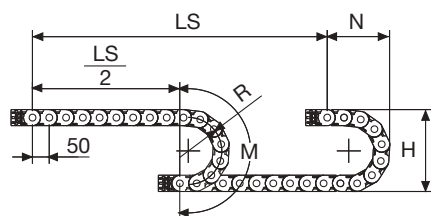
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 60      | 49      | 40      | 35      | 060-075-100-125-150-200 | 1,10           | 435MU040 □□□ *       |
| 70      | 49      | 50      | 35      | 060-075-100-125-150-200 | 1,15           | 435MU050 □□□ *       |
| 80      | 49      | 60      | 35      | 060-075-100-125-150-200 | 1,20           | 435MU060 □□□ *       |
| 96      | 49      | 76      | 35      | 060-075-100-125-150-200 | 1,30           | 435MU076 □□□ *       |
| 117     | 49      | 97      | 35      | 060-075-100-125-150-200 | 1,35           | 435MU097 □□□ *       |
| 123     | 49      | 103     | 35      | 060-075-100-125-150-200 | 1,45           | 435MU103 □□□ *       |
| 145     | 49      | 125     | 35      | 060-075-100-125-150-200 | 1,55           | 435MU125 □□□ *       |
| 170     | 49      | 150     | 35      | 060-075-100-125-150-200 | 1,70           | 435MU150 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 435MU040 □□□ □

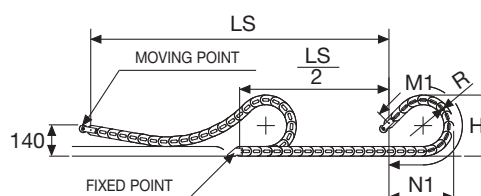
4



| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 060     | 169     | 135     | 290     | 195      | 410      |
| 075     | 199     | 155     | 340     | 250      | 540      |
| 100     | 249     | 175     | 415     | 335      | 760      |
| 125     | 299     | 200     | 495     | 420      | 975      |
| 150     | 349     | 230     | 575     | 505      | 1195     |
| 200     | 449     | 275     | 730     | 680      | 1635     |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.

**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set

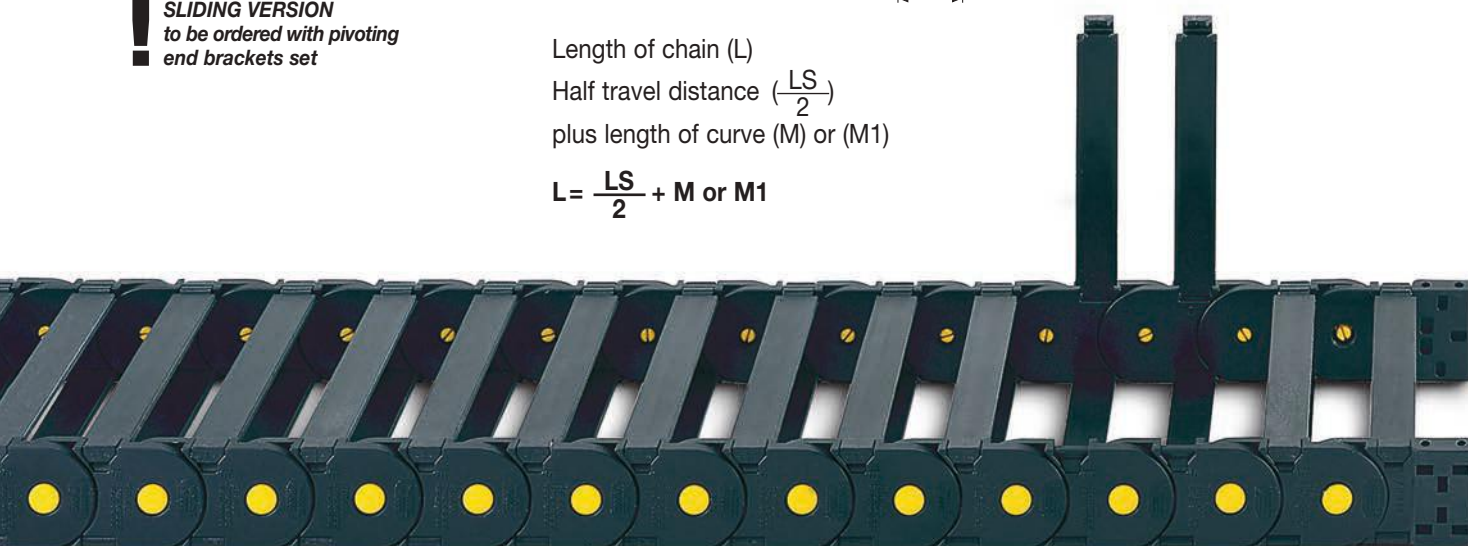


Length of chain (L)

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

plus length of curve (M) or (M1)

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





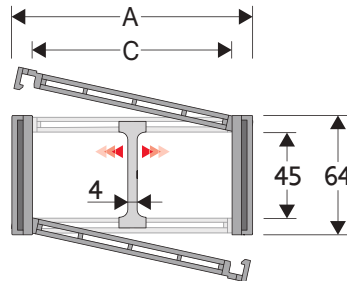
# Serie Medium

## 445MU

### Nylon Cable Chain with opening frames

#### Inner height (D) 45 mm

Chain with side-bands and holding pin.  
Openable outside / inside radius  
mounted on all the links.  
Internal separation available  
and customizable.



#### Separator

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S445UF    |
| - Assembled*  | Part.no S445UFMCI |
| - Assembled** | Part.no S445UFMCE |

#### Strong-hold separator

for C > 200 mm

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S445SH   |
| - Assembled   | Part.no S445SHMC |

#### Pin

|               |
|---------------|
| Part.no PG445 |
|---------------|

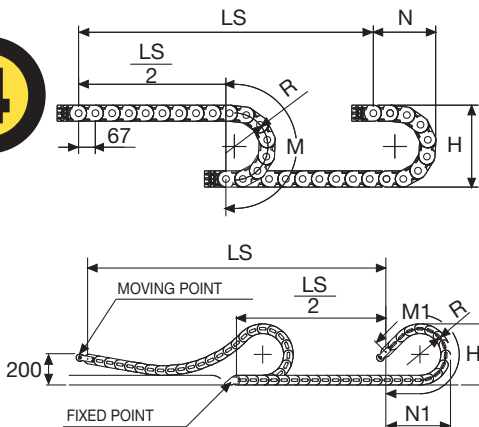
\* for chain opening outer radius

\*\* for chain opening inner radius

#### 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    |
| 72  | 64 | 50  | 45 | 075-100-125-150-175-200-250-300 | 1,64     | 445MU050 □□□ * |
| 83  | 64 | 61  | 45 | 075-100-125-150-175-200-250-300 | 1,64     | 445MU061 □□□ * |
| 97  | 64 | 75  | 45 | 075-100-125-150-175-200-250-300 | 1,76     | 445MU075 □□□ * |
| 103 | 64 | 81  | 45 | 075-100-125-150-175-200-250-300 | 1,79     | 445MU081 □□□ * |
| 107 | 64 | 85  | 45 | 075-100-125-150-175-200-250-300 | 1,82     | 445MU085 □□□ * |
| 117 | 64 | 95  | 45 | 075-100-125-150-175-200-250-300 | 1,86     | 445MU095 □□□ * |
| 122 | 64 | 100 | 45 | 075-100-125-150-175-200-250-300 | 1,87     | 445MU100 □□□ * |
| 129 | 64 | 107 | 45 | 075-100-125-150-175-200-250-300 | 1,90     | 445MU107 □□□ * |
| 139 | 64 | 117 | 45 | 075-100-125-150-175-200-250-300 | 1,93     | 445MU117 □□□ * |
| 147 | 64 | 125 | 45 | 075-100-125-150-175-200-250-300 | 2,01     | 445MU125 □□□ * |
| 158 | 64 | 136 | 45 | 075-100-125-150-175-200-250-300 | 2,07     | 445MU136 □□□ * |
| 172 | 64 | 150 | 45 | 075-100-125-150-175-200-250-300 | 2,13     | 445MU150 □□□ * |
| 197 | 64 | 175 | 45 | 075-100-125-150-175-200-250-300 | 2,25     | 445MU175 □□□ * |
| 222 | 64 | 200 | 45 | 075-100-125-150-175-200-250-300 | 2,39     | 445MU200 □□□ * |
| 233 | 64 | 211 | 45 | 075-100-125-150-175-200-250-300 | 2,44     | 445MU211 □□□ * |
| 247 | 64 | 225 | 45 | 075-100-125-150-175-200-250-300 | 2,52     | 445MU225 □□□ * |
| 274 | 64 | 252 | 45 | 075-100-125-150-175-200-250-300 | 2,66     | 445MU252 □□□ * |
| 283 | 64 | 261 | 45 | 075-100-125-150-175-200-250-300 | 2,70     | 445MU261 □□□ * |
| 308 | 64 | 286 | 45 | 075-100-125-150-175-200-250-300 | 2,81     | 445MU286 □□□ * |
| 334 | 64 | 312 | 45 | 075-100-125-150-175-200-250-300 | 2,92     | 445MU312 □□□ * |
| 356 | 64 | 334 | 45 | 075-100-125-150-175-200-250-300 | 3,05     | 445MU334 □□□ * |
| 384 | 64 | 362 | 45 | 075-100-125-150-175-200-250-300 | 3,18     | 445MU362 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 445MU050 □ □ □ □

For sliding applications, technical data can slightly change according to frequency, added weight and environment.

**SLIDING VERSION**  
to be ordered with pivoting end brackets set

Length of chain (L)

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

plus length of curve (M) or (M1)

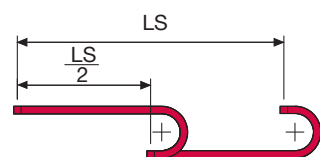
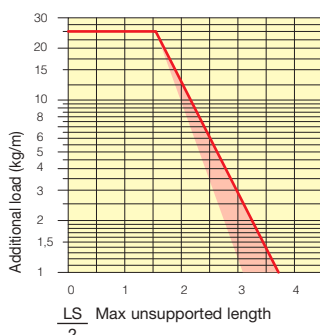
$$L = \frac{LS}{2} + M \text{ or } M1$$

| R   | H   | N   | M    | N1   | M1   |
|-----|-----|-----|------|------|------|
| mm  | mm  | mm  | mm   | mm   | mm   |
| 075 | 214 | 180 | 370  | 225  | 465  |
| 100 | 264 | 200 | 450  | 340  | 740  |
| 125 | 314 | 225 | 530  | 460  | 1020 |
| 150 | 364 | 250 | 605  | 580  | 1300 |
| 175 | 414 | 275 | 685  | 700  | 1575 |
| 200 | 464 | 300 | 765  | 820  | 1855 |
| 250 | 564 | 350 | 920  | 1055 | 2410 |
| 300 | 664 | 400 | 1080 | 1295 | 2970 |



## 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 for SLIDING



## Nylon Type Part Numbers

Complete Set Assembled  
AWB445M□□□\*KM□\*\*  
Complete Set Unassembled  
AWB445M□□□\*K

\* Inner width (C)

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

Fixed point end brackets see Fig.A  
Movable point end brackets see Fig.B

## 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

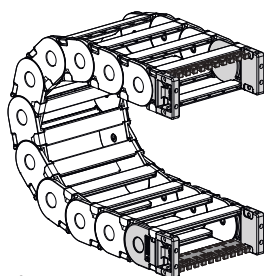
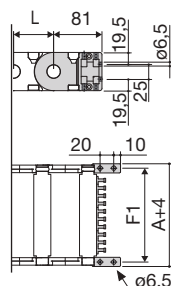


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 445MU050   | 63   |
| 445MU061   | 74   |
| 445MU075   | 88   |
| 445MU081   | 94   |
| 445MU085   | 98   |
| 445MU095   | 108  |
| 445MU100   | 113  |
| 445MU107   | 120  |
| 445MU117   | 130  |
| 445MU125   | 138  |
| 445MU136   | 149  |
| 445MU150   | 163  |
| 445MU175   | 188  |
| 445MU200   | 213  |
| 445MU211   | 224  |
| 445MU225   | 238  |
| 445MU252   | 265  |
| 445MU261   | 274  |
| 445MU286   | 299  |
| 445MU312   | 325  |
| 445MU334   | 347  |
| 445MU362   | 375  |

## Nylon Type Part Numbers

Complete Set Assembled  
AW445M□□□\*KM  
Complete Set Unassembled  
AW445M□□□\*K

## Tiewrap Clamp Part Numbers

Complete Set Assembled  
CFC445M□□□\*KM  
Complete Set Unassembled  
CFC445M□□□\*K

\* Inner width (C)

## Nylon Type

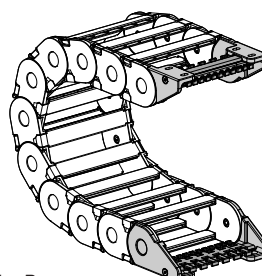
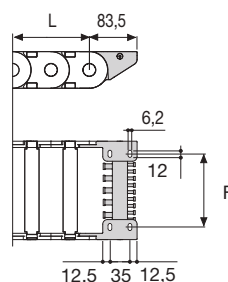


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 445MU050   | 28   |
| 445MU061   | 39   |
| 445MU075   | 53   |
| 445MU081   | 59   |
| 445MU085   | 63   |
| 445MU095   | 73   |
| 445MU100   | 78   |
| 445MU107   | 85   |
| 445MU117   | 95   |
| 445MU125   | 103  |
| 445MU136   | 114  |
| 445MU150   | 128  |
| 445MU175   | 153  |
| 445MU200   | 178  |
| 445MU211   | 189  |
| 445MU225   | 203  |
| 445MU252   | 230  |
| 445MU261   | 239  |
| 445MU286   | 264  |
| 445MU312   | 290  |
| 445MU334   | 312  |
| 445MU362   | 340  |

## Nylon Type Part Numbers

Complete Set Assembled  
AN445KM□\*\*  
Complete Set Unassembled  
AN445K (for pos.1,2,3)  
AN445K□\*\*\* (for pos.5,6)

## Tiewrap Clamp Part Numbers

Complete Set Assembled  
SFCT445□□□\*KM  
Complete Set Unassembled  
SFCT445□□□\*K

\* Inner width (C)

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

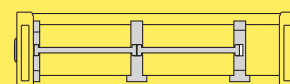
5=Pos.5; 6=Pos.6

\*\*\* 5=Pos.5; 6=Pos.6

## Serie Medium

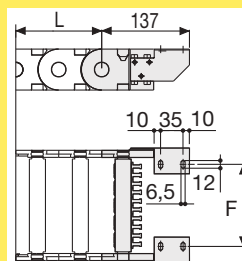
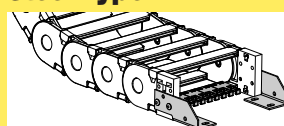
## 445MU

Nylon Cable Chain  
with opening frames



Separation System  
To choose the separators see page. 216

## Bright Zinc Plated Steel Type\*\*\*



F = A-44

## Bright Zinc Plated Steel Type Part Numbers\*\*\*

Complete Set Assembled  
A445M□□□\*KM□\*\*

Complete Set Unassembled  
A445M□□□\*K□\*\*

## Tiewrap Clamp Part Numbers

Complete Set Assembled  
CFC445M□□□\*KM

Complete Set Unassembled  
CFC445M□□□\*K

\* Inner width (C)

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

\*\*\* Available on request in stainless steel

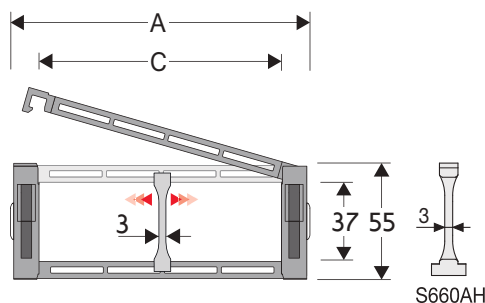


# Serie Medium

## 660A Nylon Cable Chain with opening frames

### Inner height (D) 37 mm

Double share Sideband & Frame construction with large anti-friction single-pin. Frames opening 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 S306SM   |
| - Assembled   | Part.no S306SMMC |

### Strong-hold separator

for C > 200 mm

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S660AH   |
| - Assembled   | Part.no S660AHMC |

### Pin

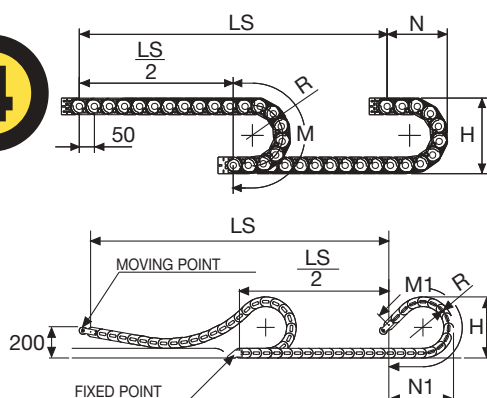
Part.no PG660

### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------|----------------|----------------------|
| 75      | 55      | 50      | 37      | 100-150-200-250 | 1,51           | 660A050 □□□ *        |
| 86      | 55      | 61      | 37      | 100-150-200-250 | 1,51           | 660A061 □□□ *        |
| 100     | 55      | 75      | 37      | 100-150-200-250 | 1,59           | 660A075 □□□ *        |
| 106     | 55      | 81      | 37      | 100-150-200-250 | 1,61           | 660A081 □□□ *        |
| 110     | 55      | 85      | 37      | 100-150-200-250 | 1,63           | 660A085 □□□ *        |
| 120     | 55      | 95      | 37      | 100-150-200-250 | 1,66           | 660A095 □□□ *        |
| 125     | 55      | 100     | 37      | 100-150-200-250 | 1,66           | 660A100 □□□ *        |
| 132     | 55      | 107     | 37      | 100-150-200-250 | 1,69           | 660A107 □□□ *        |
| 142     | 55      | 117     | 37      | 100-150-200-250 | 1,71           | 660A117 □□□ *        |
| 150     | 55      | 125     | 37      | 100-150-200-250 | 1,76           | 660A125 □□□ *        |
| 161     | 55      | 136     | 37      | 100-150-200-250 | 1,80           | 660A136 □□□ *        |
| 175     | 55      | 150     | 37      | 100-150-200-250 | 1,84           | 660A150 □□□ *        |
| 200     | 55      | 175     | 37      | 100-150-200-250 | 1,93           | 660A175 □□□ *        |
| 225     | 55      | 200     | 37      | 100-150-200-250 | 2,02           | 660A200 □□□ *        |
| 236     | 55      | 211     | 37      | 100-150-200-250 | 2,06           | 660A211 □□□ *        |
| 250     | 55      | 225     | 37      | 100-150-200-250 | 2,11           | 660A225 □□□ *        |
| 277     | 55      | 252     | 37      | 100-150-200-250 | 2,21           | 660A252 □□□ *        |
| 286     | 55      | 261     | 37      | 100-150-200-250 | 2,24           | 660A261 □□□ *        |
| 337     | 55      | 312     | 37      | 100-150-200-250 | 2,43           | 660A312 □□□ *        |
| 359     | 55      | 334     | 37      | 100-150-200-250 | 2,52           | 660A334 □□□ *        |
| 387     | 55      | 362     | 37      | 100-150-200-250 | 2,61           | 660A362 □□□ *        |



For sliding applications, technical data can slightly change according to frequency, added weight and environment.

\*Complete the code by inserting the value of the radius (R): Ex. 660A050 □ □ □ □  
Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 660A050150 □

Length of chain (L)

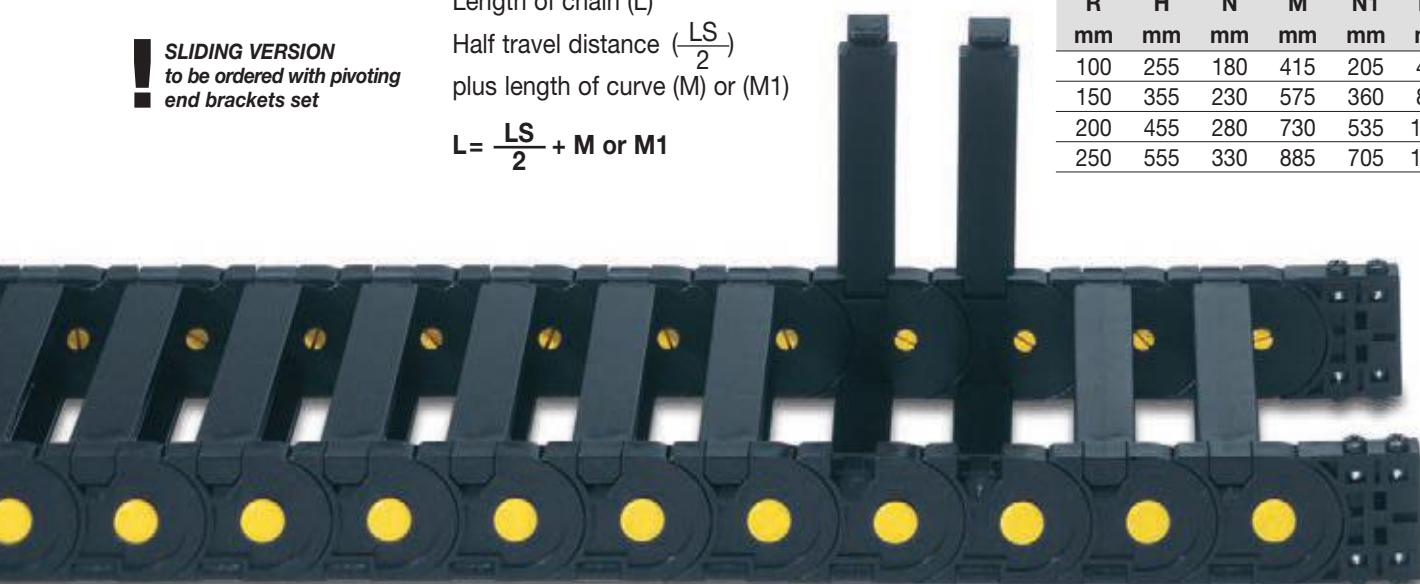
Half travel distance ( $\frac{LS}{2}$ )

plus length of curve (M) or (M1)

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

**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set

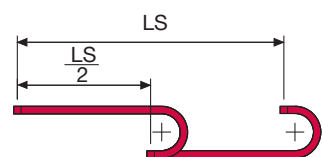
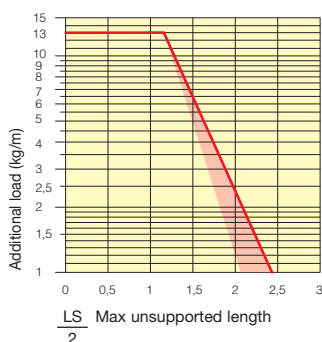
| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 100     | 255     | 180     | 415     | 205      | 470      |
| 150     | 355     | 230     | 575     | 360      | 855      |
| 200     | 455     | 280     | 730     | 535      | 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. Set complete with tiewrap clamps available on request.

### Nylon Type

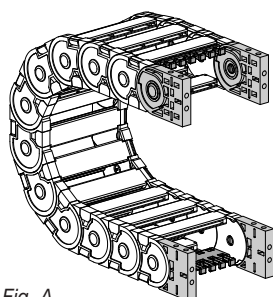
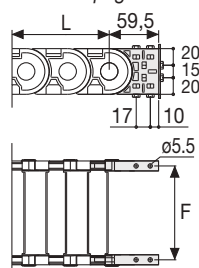


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A) See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 660A050    | 61   |
| 660A061    | 72   |
| 660A075    | 86   |
| 660A081    | 92   |
| 660A085    | 96   |
| 660A095    | 106  |
| 660A100    | 111  |
| 660A107    | 118  |
| 660A117    | 128  |
| 660A125    | 136  |
| 660A136    | 147  |
| 660A150    | 161  |
| 660A175    | 186  |
| 660A200    | 211  |
| 660A211    | 222  |
| 660A225    | 236  |
| 660A252    | 263  |
| 660A261    | 272  |
| 660A312    | 323  |
| 660A334    | 345  |
| 660A362    | 373  |

### Nylon Type Part Numbers

| Complete Set Assembled | End Brackets Set |
|------------------------|------------------|
| Chain Type             | Set              |
| 660A...                | AN660AKM         |

| Complete Set Unassembled | End Brackets Set |
|--------------------------|------------------|
| Chain Type               | Set              |
| 660A...                  | AN660AK          |

#### Tiewrap Clamp

|                    |         |
|--------------------|---------|
| Assembl. CFC660A   | □□□ *KM |
| Unassembl. CFC660A | □□□ *K  |

### Bright Zinc Plated Steel Type\*\*\*

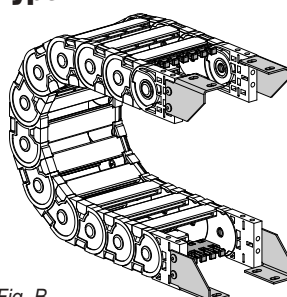
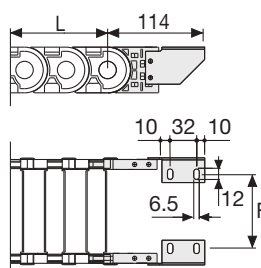


Fig. B  
Chain fixed outside the radius. (Fig B) See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 660A050    | 38   |
| 660A061    | 49   |
| 660A075    | 63   |
| 660A081    | 69   |
| 660A085    | 73   |
| 660A095    | 83   |
| 660A100    | 88   |
| 660A107    | 95   |
| 660A117    | 105  |
| 660A125    | 113  |
| 660A136    | 124  |
| 660A150    | 138  |
| 660A175    | 163  |
| 660A200    | 188  |
| 660A211    | 199  |
| 660A225    | 213  |
| 660A252    | 240  |
| 660A261    | 249  |
| 660A312    | 300  |
| 660A334    | 333  |
| 660A362    | 350  |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets Set |
|------------------------|------------------|
| Chain Type             | Set              |
| 660A...                | A660AKM □**      |

| Complete Set Unassembled | End Brackets Set |
|--------------------------|------------------|
| Chain Type               | Set              |
| 660A...                  | A660AK □**       |

#### Tiewrap Clamp

|                    |         |
|--------------------|---------|
| Assembl. CFC660A   | □□□ *KM |
| Unassembl. CFC660A | □□□ *K  |

\* Inner width (C)

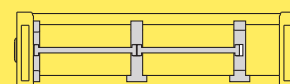
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

## Serie Medium

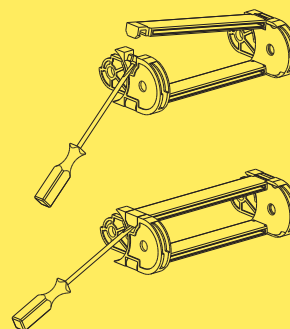
## 660A

Nylon Cable Chain with opening frames



Separation System  
To choose the separators see page 216

How to open the cover.



Suitable to long travel distance in frame every pitch version.  
To choose the guide channel see page 182

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



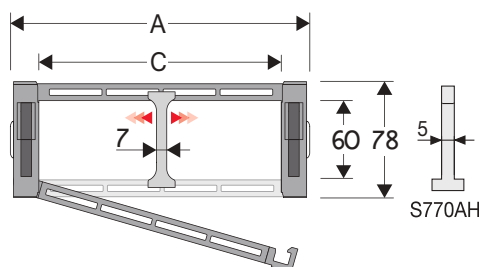
For further information please consult Brevetti Stendalto's Technical Office

# Serie Medium

## 770A Nylon Cable Chain with opening frames

### Inner height (D) 60 mm

Double share Sideband & Frame construction with large anti-friction single-pin. Frames opening 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  |
| Strong-hold separator<br>for C > 200 mm |                  |
| - Unassembled                           | Part.no S770AH   |
| - Assembled                             | Part.no S770AHMC |
| Pin                                     |                  |
| Part.no PG770                           |                  |

### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm             | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------|----------------|----------------------|
| 80      | 78      | 45      | 60      | 130-150-200-250-300 | 2,25           | 770A045 □□□ *        |
| 91      | 78      | 56      | 60      | 130-150-200-250-300 | 2,25           | 770A056 □□□ *        |
| 105     | 78      | 70      | 60      | 130-150-200-250-300 | 2,31           | 770A070 □□□ *        |
| 111     | 78      | 76      | 60      | 130-150-200-250-300 | 2,32           | 770A076 □□□ *        |
| 115     | 78      | 80      | 60      | 130-150-200-250-300 | 2,34           | 770A080 □□□ *        |
| 125     | 78      | 90      | 60      | 130-150-200-250-300 | 2,36           | 770A090 □□□ *        |
| 130     | 78      | 95      | 60      | 130-150-200-250-300 | 2,36           | 770A095 □□□ *        |
| 137     | 78      | 102     | 60      | 130-150-200-250-300 | 2,38           | 770A102 □□□ *        |
| 147     | 78      | 112     | 60      | 130-150-200-250-300 | 2,39           | 770A112 □□□ *        |
| 155     | 78      | 120     | 60      | 130-150-200-250-300 | 2,43           | 770A120 □□□ *        |
| 166     | 78      | 131     | 60      | 130-150-200-250-300 | 2,46           | 770A131 □□□ *        |
| 180     | 78      | 145     | 60      | 130-150-200-250-300 | 2,49           | 770A145 □□□ *        |
| 205     | 78      | 170     | 60      | 130-150-200-250-300 | 2,55           | 770A170 □□□ *        |
| 230     | 78      | 195     | 60      | 130-150-200-250-300 | 2,62           | 770A195 □□□ *        |
| 241     | 78      | 206     | 60      | 130-150-200-250-300 | 2,65           | 770A206 □□□ *        |
| 255     | 78      | 220     | 60      | 130-150-200-250-300 | 2,68           | 770A220 □□□ *        |
| 282     | 78      | 247     | 60      | 130-150-200-250-300 | 2,75           | 770A247 □□□ *        |
| 291     | 78      | 256     | 60      | 130-150-200-250-300 | 2,77           | 770A256 □□□ *        |
| 342     | 78      | 307     | 60      | 130-150-200-250-300 | 2,88           | 770A307 □□□ *        |
| 364     | 78      | 329     | 60      | 130-150-200-250-300 | 2,94           | 770A329 □□□ *        |
| 392     | 78      | 357     | 60      | 130-150-200-250-300 | 3,01           | 770A357 □□□ *        |

For sliding applications, technical data can slightly change according to frequency, added weight and environment.

\*Complete the code by inserting the value of the radius (R): Ex. 770A045 □ □ □ □  
Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 770A045150 □

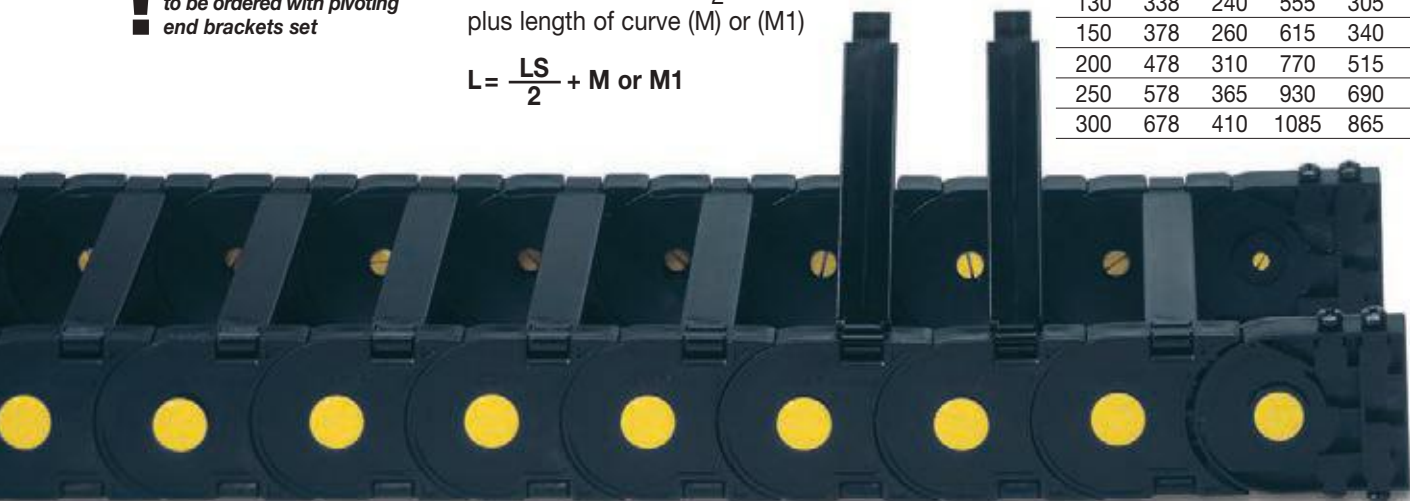
Length of chain (L)

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

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

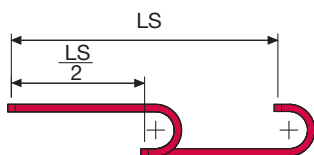
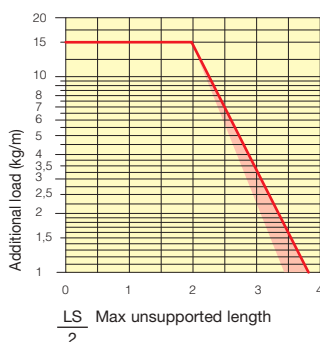
| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 130     | 338     | 240     | 555     | 305      | 685      |
| 150     | 378     | 260     | 615     | 340      | 785      |
| 200     | 478     | 310     | 770     | 515      | 1220     |
| 250     | 578     | 365     | 930     | 690      | 1660     |
| 300     | 678     | 410     | 1085    | 865      | 2095     |

**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

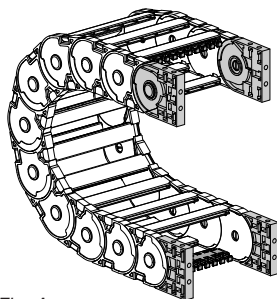
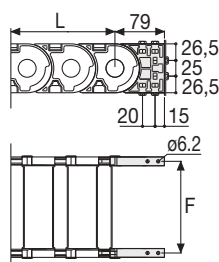


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 770A045    | 61   |
| 770A056    | 72   |
| 770A070    | 86   |
| 770A076    | 92   |
| 770A080    | 96   |
| 770A090    | 106  |
| 770A095    | 111  |
| 770A102    | 118  |
| 770A112    | 128  |
| 770A120    | 136  |
| 770A131    | 147  |
| 770A145    | 161  |
| 770A170    | 186  |
| 770A195    | 211  |
| 770A206    | 222  |
| 770A220    | 236  |
| 770A247    | 263  |
| 770A256    | 272  |
| 770A307    | 323  |
| 770A329    | 345  |
| 770A357    | 373  |

## Nylon Type Part Numbers

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 770A...                | AN770AKM         |

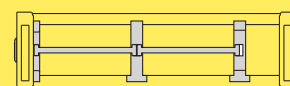
| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 770A...                  | AN770AK          |

| Tiewrap Clamp      |        |
|--------------------|--------|
| Assembl. CFC770A   | □□□*KM |
| Unassembl. CFC770A | □□□*K  |

## Serie Medium

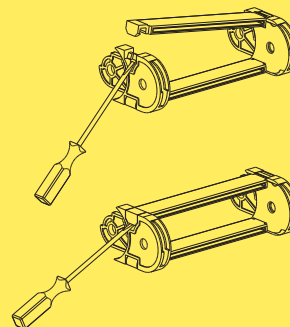
### 770A

Nylon Cable Chain with opening frames



Separation System  
To choose the separators see page. 216

How to open the cover.



Suitable to long travel distance in frame every pitch version.  
To choose the guide channel see page 182

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



For further information please consult Brevetti Stendalto's Technical Office



# Serie Medium

## 475MU

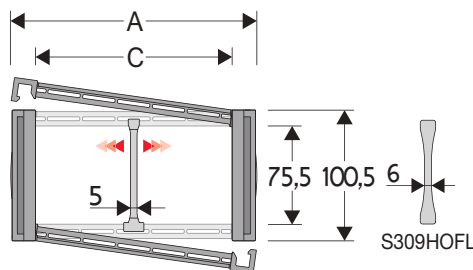
### Nylon Cable Chain with opening frames

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

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

As standard the chain comes with frames every second link, on request with frames every link.

Modular separator systems are available



#### Separator

|               |                        |
|---------------|------------------------|
| - Unassembled | Part.no S309S/3178     |
| - Assembled*  | Part.no S309S/3178MCI  |
| - Assembled** | Part.no S309S/3178 MCE |

#### Strong-hold separator

for C > 200 mm

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S445SH   |
| - Assembled   | Part.no S445SHMC |

#### Pin

Part.no PG475

\* for chain opening outer radius

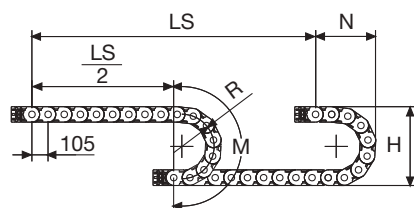
\*\* for chain opening inner radius

#### 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)

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

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 112     | 100,5   | 74      | 75,5    | 150-180-200-250-300-350-400 | 3,70           | 475MU074 □□□ *       |
| 132     | 100,5   | 94      | 75,5    | 150-180-200-250-300-350-400 | 3,80           | 475MU094 □□□ *       |
| 157     | 100,5   | 119     | 75,5    | 150-180-200-250-300-350-400 | 3,85           | 475MU119 □□□ *       |
| 164     | 100,5   | 126     | 75,5    | 150-180-200-250-300-350-400 | 3,90           | 475MU126 □□□ *       |
| 187     | 100,5   | 149     | 75,5    | 150-180-200-250-300-350-400 | 3,95           | 475MU149 □□□ *       |
| 227     | 100,5   | 189     | 75,5    | 150-180-200-250-300-350-400 | 4,05           | 475MU189 □□□ *       |
| 262     | 100,5   | 224     | 75,5    | 150-180-200-250-300-350-400 | 4,15           | 475MU224 □□□ *       |
| 288     | 100,5   | 250     | 75,5    | 150-180-200-250-300-350-400 | 4,25           | 475MU250 □□□ *       |
| 312     | 100,5   | 274     | 75,5    | 150-180-200-250-300-350-400 | 4,30           | 475MU274 □□□ *       |
| 338     | 100,5   | 300     | 75,5    | 150-180-200-250-300-350-400 | 4,37           | 475MU300 □□□ *       |
| 362     | 100,5   | 324     | 75,5    | 150-180-200-250-300-350-400 | 4,45           | 475MU324 □□□ *       |
| 388     | 100,5   | 350     | 75,5    | 150-180-200-250-300-350-400 | 4,55           | 475MU350 □□□ *       |
| 412     | 100,5   | 374     | 75,5    | 150-180-200-250-300-350-400 | 4,60           | 475MU374 □□□ *       |
| 467     | 100,5   | 429     | 75,5    | 150-180-200-250-300-350-400 | 4,80           | 475MU429 □□□ *       |
| 536     | 100,5   | 498     | 75,5    | 150-180-200-250-300-350-400 | 5,00           | 475MU498 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 475MU119 □ □ □

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

Ex. 475MU119150 □

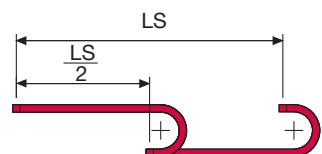
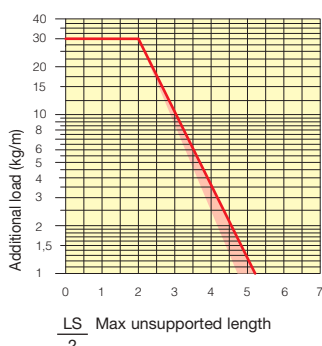
| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 150     | 400,5   | 310     | 690     |
| 180     | 460,5   | 335     | 775     |
| 200     | 500,5   | 355     | 840     |
| 250     | 600,5   | 405     | 995     |
| 300     | 700,5   | 460     | 1155    |
| 350     | 800,5   | 505     | 1310    |
| 400     | 900,5   | 560     | 1470    |



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).

## Bright Zinc Plated Steel End Brackets\*\*\*

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

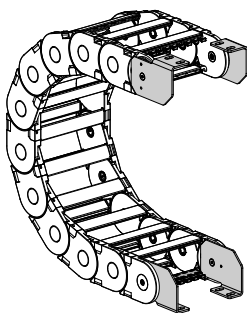
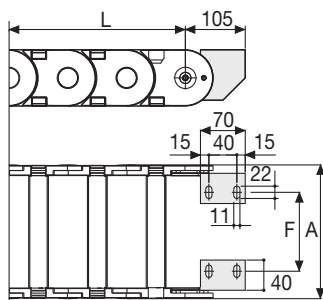


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 475MU074   | 35   |
| 475MU094   | 55   |
| 475MU119   | 80   |
| 475MU126   | 87   |
| 475MU149   | 110  |
| 475MU189   | 150  |
| 475MU224   | 185  |
| 475MU250   | 211  |
| 475MU274   | 235  |
| 475MU300   | 261  |
| 475MU324   | 285  |
| 475MU350   | 311  |
| 475MU374   | 335  |
| 475MU429   | 390  |
| 475MU498   | 459  |

## Bright Zinc Plated Steel Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 475...     | A475KM **        |

| Chain Type | End Brackets Set |
|------------|------------------|
| 475...     | A475K            |

## Tiewrap Clamp

|                    |         |
|--------------------|---------|
| Assembl. CFC475M   | □□□ *KM |
| Unassembl. CFC475M | □□□ *K  |

\* Inner width (C)

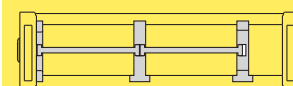
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

## Serie Medium

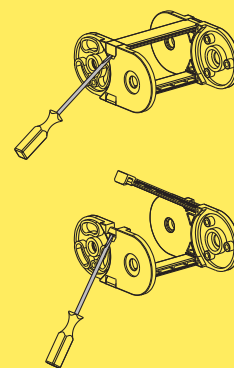
## 475MU

Nylon Cable Chain  
with opening frames



Separation System  
To choose the separators see page. 216

How to open the cover.



4

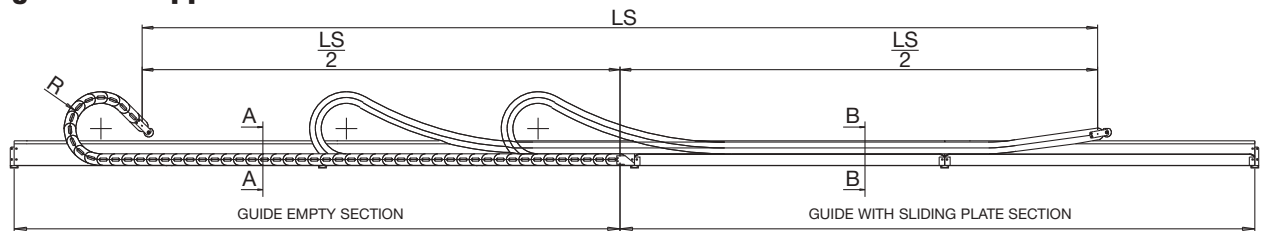
For further information please  
consult Brevetti Stendalto's  
Technical Office

## Serie Medium

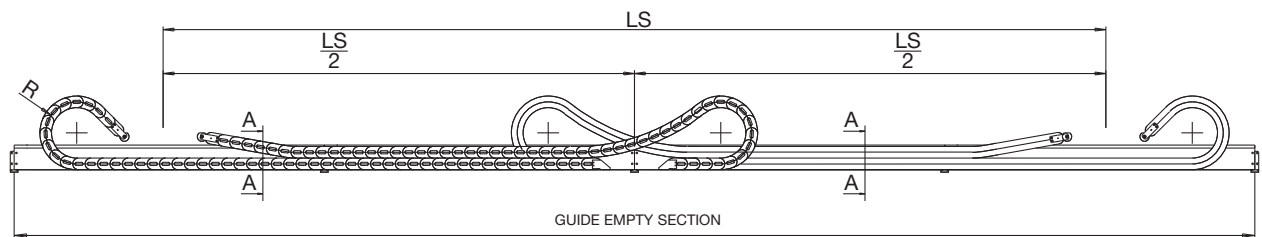
# Guide Channel 305-355-435MU

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

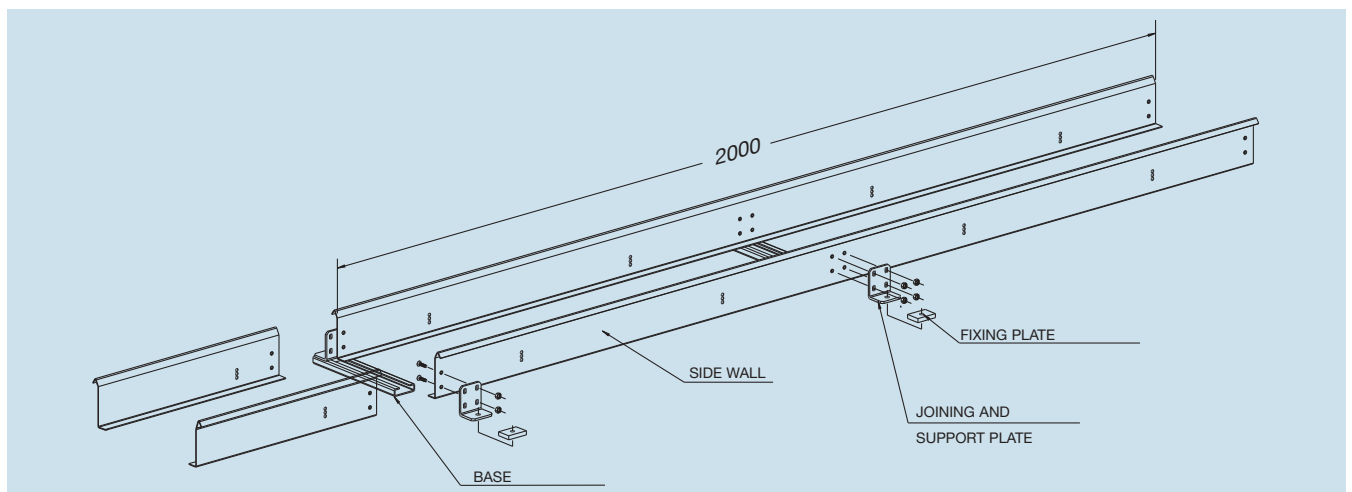
### Single Chain Application



### Double Chain Application

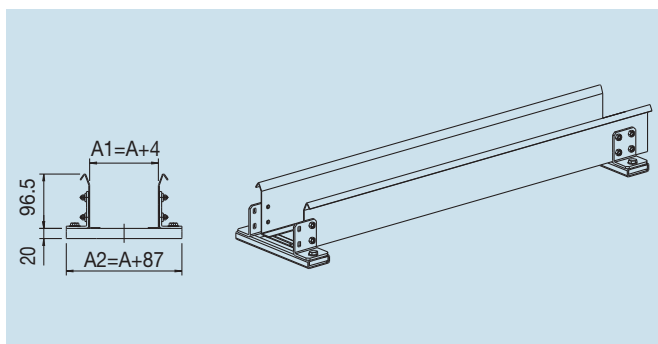


Channel guide is available in kit composed by:  
side walls 2 m standard length  
joining plates  
fixing screws



## Guide Empty Section 305-355-435

Section A-A



### Part Number

**CS305...**

How to order

Chain part number **305008**

Guide channel  
part number **CS305008**

**CS355...**

How to order

Chain part number **355045**

Guide channel  
part number **CS355045**

**CS435...**

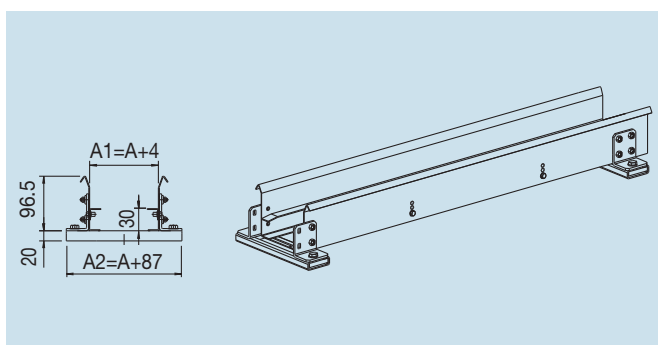
How to order

Chain part number **435050060**

Guide channel  
part number **CS435050**

## Guide Sliding Plate Section 305

Section B-B



### Part Number

**CA305...**

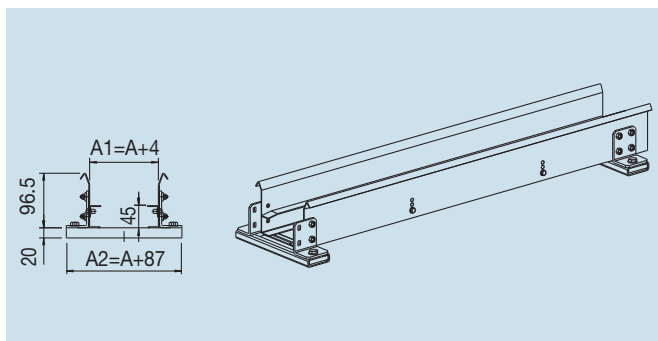
How to order

Chain part number **305008**

Guide channel  
part number **CA305008**

## Guide Sliding Plate Section 355

Section B-B



### Part Number

**CA355...**

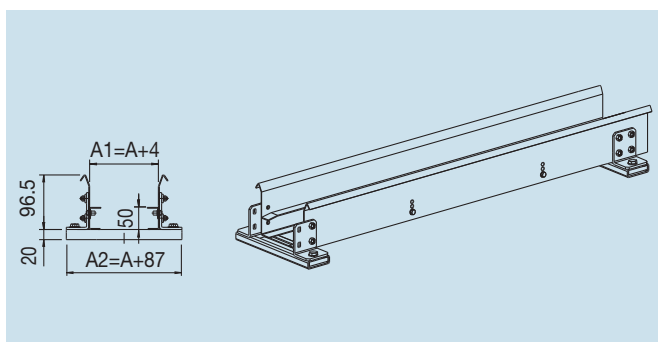
How to order

Chain part number **355045**

Guide channel  
part number **CA355045**

## Guide Sliding Plate Section 435

Section B-B



### Part Number

**CA435...**

How to order

Chain part number **435050060**

Guide channel  
part number **CA435050**

*Serie Medium*

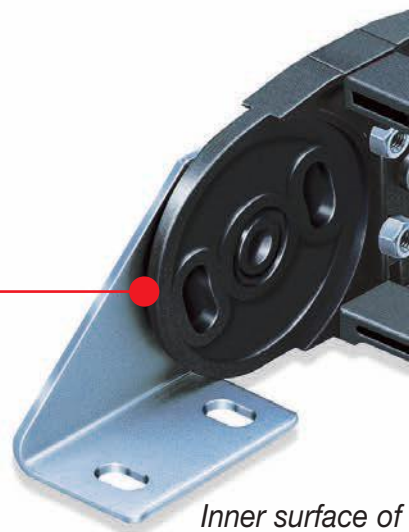




# Nylon Cable Chains Heavy Series

|                       |          |
|-----------------------|----------|
| H45SC Series          | page 94  |
| H57SC - H57LC Series  | page 96  |
| H80SC/SA Series       | page 98  |
| H110SC Series         | page 100 |
| H110T Series          | page 102 |
| 306SU Series          | page 104 |
| 306B Series           | page 106 |
| 307SU Series          | page 108 |
| 307B Series           | page 110 |
| 307E Series           | page 112 |
| 308SU Series          | page 114 |
| 308B Series           | page 116 |
| 308E Series           | page 118 |
| 309SU Series          | page 120 |
| 309B Series           | page 122 |
| <hr/>                 |          |
| Horizontal Separation | page 216 |

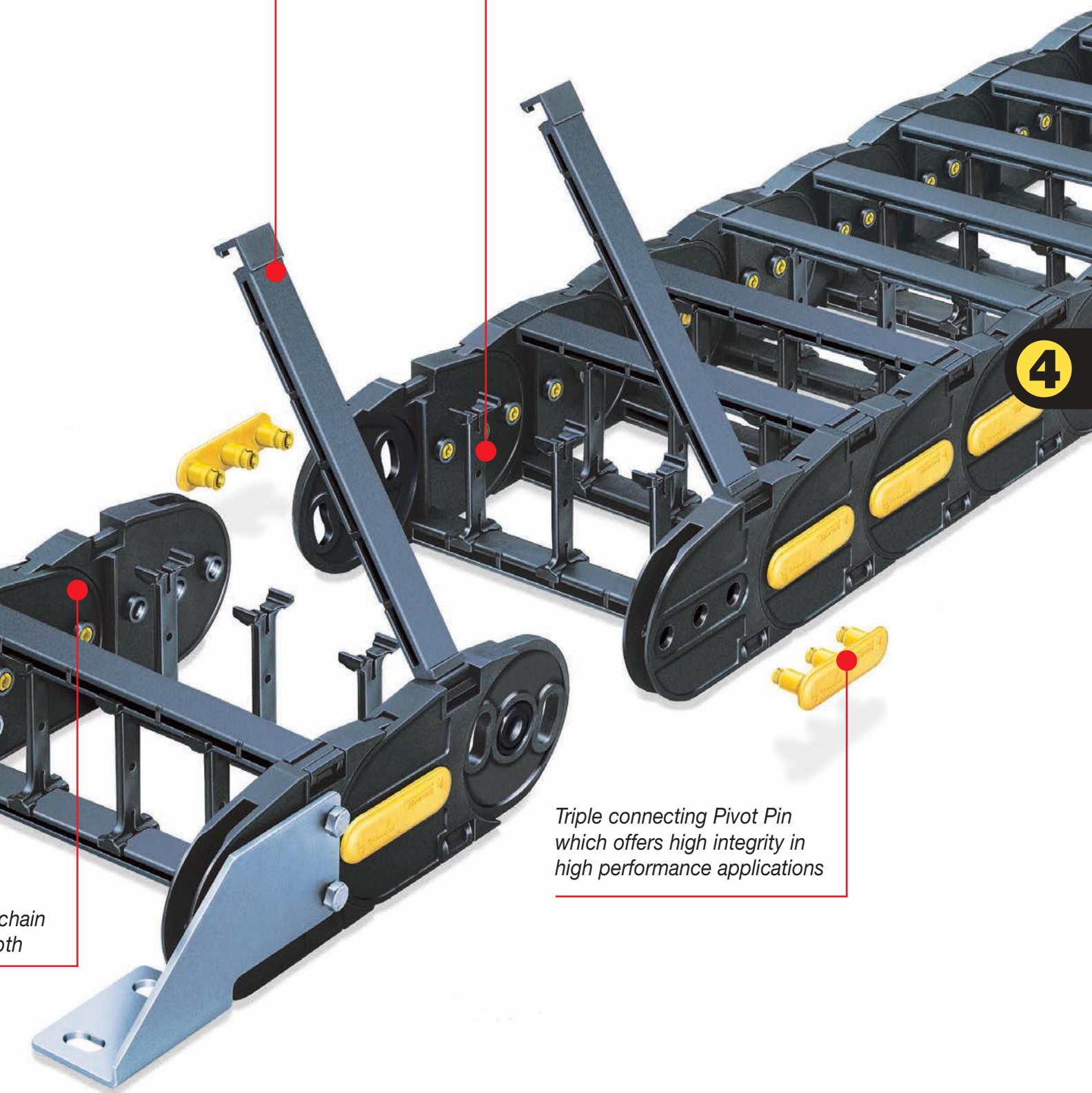
*Steel or nylon end brackets*



*Inner surface of  
completely smooth*

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

chain  
both

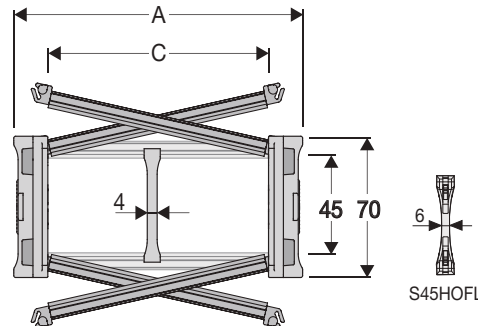


## H45SC

### Nylon cable chain with opening frames

#### Inner height (D) 45 mm

Sideband construction with quickly removable pin. Frames openable from either side on both inner and outer 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 S45CF3    |
| - Assembled*  | Part.no S45CF3MCI |
| - Assembled** | Part.no S45CF3MCE |

#### Strong-hold Separator

for C > 250 mm

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S45HOFL |
| - Assembled   | Part.no S45HOFL |

#### Pin

Part.no PNH45RS

\* for chain opening outer radius

\*\* for chain opening inner radius

#### Technical Characteristics when self-supporting

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

For higher requirements please consult our technical dept.

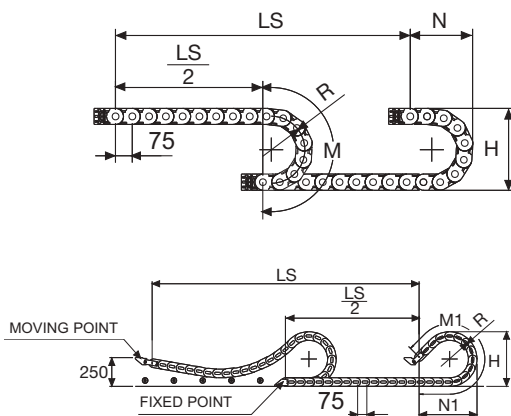
4

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------------------|----------------|----------------------|
| 113     | 70      | 75      | 45      | 075-100-125-150-175-200-250-300 | 2,29           | H45SC075 □□□ *       |
| 138     | 70      | 100     | 45      | 075-100-125-150-175-200-250-300 | 2,37           | H45SC100 □□□ *       |
| 163     | 70      | 125     | 45      | 075-100-125-150-175-200-250-300 | 2,44           | H45SC125 □□□ *       |
| 188     | 70      | 150     | 45      | 075-100-125-150-175-200-250-300 | 2,52           | H45SC150 □□□ *       |
| 213     | 70      | 175     | 45      | 075-100-125-150-175-200-250-300 | 2,60           | H45SC175 □□□ *       |
| 238     | 70      | 200     | 45      | 075-100-125-150-175-200-250-300 | 2,67           | H45SC200 □□□ *       |
| 263     | 70      | 225     | 45      | 075-100-125-150-175-200-250-300 | 2,75           | H45SC225 □□□ *       |
| 288     | 70      | 250     | 45      | 075-100-125-150-175-200-250-300 | 2,83           | H45SC250 □□□ *       |
| 313     | 70      | 275     | 45      | 075-100-125-150-175-200-250-300 | 2,91           | H45SC275 □□□ *       |
| 338     | 70      | 300     | 45      | 075-100-125-150-175-200-250-300 | 2,99           | H45SC300 □□□ *       |
| 388     | 70      | 350     | 45      | 075-100-125-150-175-200-250-300 | 3,14           | H45SC350 □□□ *       |
| 438     | 70      | 400     | 45      | 075-100-125-150-175-200-250-300 | 3,30           | H45SC400 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. H45SC100 □□□ □

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D. Ex. H45SC100250 □□



Length of chain (L)

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

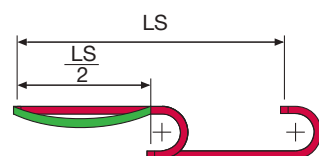
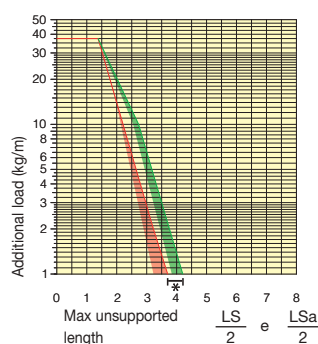
$$L = \frac{LS}{2} + M \text{ or } M1$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 075     | 220     | 185     | 390     | 265      | 540      |
| 100     | 270     | 210     | 465     | 275      | 595      |
| 125     | 320     | 235     | 545     | 395      | 870      |
| 150     | 370     | 260     | 625     | 515      | 1150     |
| 175     | 420     | 285     | 700     | 635      | 1430     |
| 200     | 470     | 310     | 780     | 750      | 1705     |
| 250     | 570     | 360     | 940     | 990      | 2265     |
| 300     | 670     | 410     | 1095    | 1225     | 2820     |



## Self-Supporting Capacity Diagram

The maximum length of the self-supporting capacity or in admissible sagging in relationship to the weight of the cables and hoses contained per linear metre.



**\*If the chain is in the ADMISSIBLE SAGGING area (between GREEN and RED area) version with frames on every link is necessary.**

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

Red for self-supporting chain, green for chain in admissible sagging.

For applications with ( $\frac{LS}{2}$ ) and weights not included in the diagram of 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

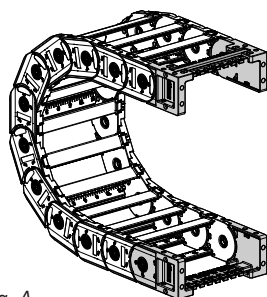
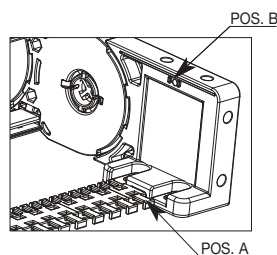
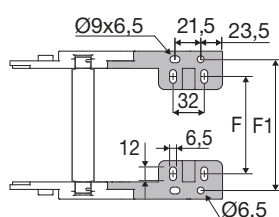
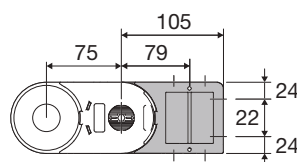


Fig. A  
The chain can be fixed frontally, inner and outer radius (Fig A)



| Chain Type | F mm |
|------------|------|
| H45SC075   | 91   |
| H45SC100   | 116  |
| H45SC125   | 141  |
| H45SC150   | 166  |
| H45SC175   | 191  |
| H45SC200   | 216  |
| H45SC225   | 241  |
| H45SC250   | 266  |
| H45SC275   | 291  |
| H45SC300   | 316  |
| H45SC350   | 366  |
| H45SC400   | 416  |

### Nylon Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets set |
|-----------------------------------|------------------|
|-----------------------------------|------------------|

H45SC... ANH45SC□□□KM□\*\*

| Complete Set Unassembled Chain Type | End Brackets set |
|-------------------------------------|------------------|
|-------------------------------------|------------------|

H45SC... ANH45SC□□□K

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

| Chain Type | F mm  |
|------------|-------|
| H45SC075   | 55,5  |
| H45SC100   | 80,5  |
| H45SC125   | 105,5 |
| H45SC150   | 130,5 |
| H45SC175   | 155,5 |
| H45SC200   | 180,5 |
| H45SC225   | 205,5 |
| H45SC250   | 230,5 |
| H45SC275   | 255,5 |
| H45SC300   | 280,5 |
| H45SC350   | 330,5 |
| H45SC400   | 380,5 |

### Tiewrap Clamp

| Complete Set Assembled Chain Type | Tiewrap Clamp set |
|-----------------------------------|-------------------|
|-----------------------------------|-------------------|

Pos. A SFCTH45□□□\*KMA

Pos. B SFCTH45□□□\*KM

| Complete Set Unassembled Mounting Position | Tiewrap Clamp set |
|--------------------------------------------|-------------------|
|--------------------------------------------|-------------------|

Pos. A SFCTH45□□□\*KA

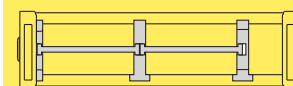
Pos. B SFCTH45□□□\*K

\* Inner Width C

## Serie Heavy

## H45SC

Nylon cable chain with opening frames

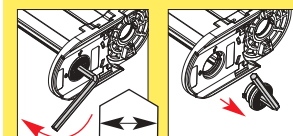


Separation System  
page. 216

### How to open the frame



### How to release the pin junction



8 mm



Suitable to long travel distance in frame every pitch version. To choose the guide channel see page 182

For further informations please consult Brevetti Stendalto's Technical Office



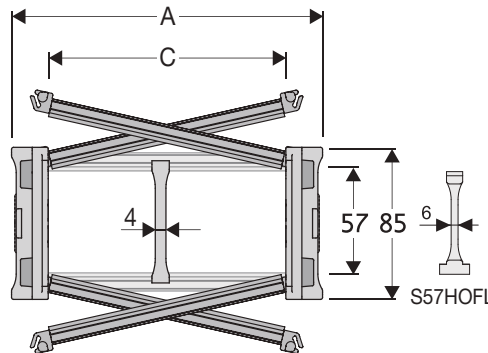
# Serie Heavy

## H57SC - H57LC

### Nylon cable chain with opening frames

#### Inner height (D) 57 mm

Sideband construction with quickly removable pin. Frames openable from either side on both inner and outer 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. H57LC new version with Snap Pin.



#### Separator

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S57CF3    |
| - Assembled*  | Part.no S57CF3MCI |
| - Assembled** | Part.no S57CF3MCE |

#### Strong-hold Separator

for C > 250 mm

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S57HOFL |
| - Assembled   | Part.no S57HOFL |

#### Pin

|         |                 |
|---------|-----------------|
| - H57SC | Part.no PNH57RS |
| - H57LC | Part.no PNH57S  |

\* for chain opening outer radius  
\*\* for chain opening inner radius

#### Technical Characteristics when self-supporting

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

For higher requirements please consult our technical dept.

4

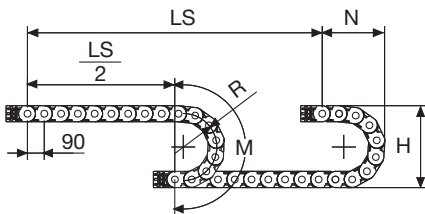
For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

| A   | B  | C   | D  | R                           | Weight/m | Chain              |
|-----|----|-----|----|-----------------------------|----------|--------------------|
| mm  | mm | mm  | mm | mm                          | kg       | Part Number        |
| 113 | 85 | 75  | 57 | 150-180-200-250-300-350-400 | 3,03     | H57( )*C075 □□□ ** |
| 138 | 85 | 100 | 57 | 150-180-200-250-300-350-400 | 3,09     | H57( )*C100 □□□ ** |
| 163 | 85 | 125 | 57 | 150-180-200-250-300-350-400 | 3,16     | H57( )*C125 □□□ ** |
| 188 | 85 | 150 | 57 | 150-180-200-250-300-350-400 | 3,22     | H57( )*C150 □□□ ** |
| 213 | 85 | 175 | 57 | 150-180-200-250-300-350-400 | 3,29     | H57( )*C175 □□□ ** |
| 238 | 85 | 200 | 57 | 150-180-200-250-300-350-400 | 3,35     | H57( )*C200 □□□ ** |
| 263 | 85 | 225 | 57 | 150-180-200-250-300-350-400 | 3,42     | H57( )*C225 □□□ ** |
| 288 | 85 | 250 | 57 | 150-180-200-250-300-350-400 | 3,48     | H57( )*C250 □□□ ** |
| 313 | 85 | 275 | 57 | 150-180-200-250-300-350-400 | 3,55     | H57( )*C275 □□□ ** |
| 338 | 85 | 300 | 57 | 150-180-200-250-300-350-400 | 3,61     | H57( )*C300 □□□ ** |
| 388 | 85 | 350 | 57 | 150-180-200-250-300-350-400 | 3,74     | H57( )*C350 □□□ ** |
| 438 | 85 | 400 | 57 | 150-180-200-250-300-350-400 | 3,88     | H57( )*C400 □□□ ** |

\* Complete with the version of the chain Ex. H57(S)C □□□

\*\*Complete the code by inserting the value of the radius (R): Ex. H57SC100 2 5 0 □

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D. Ex. H57SC100250 D

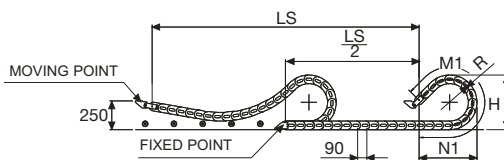


Length of chain (L)

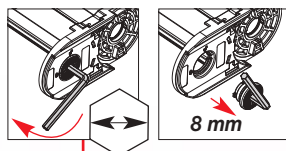
Half travel distance ( $\frac{LS}{2}$ )

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 | 385 | 283 | 655  | 565  | 1235 |
| 180 | 445 | 313 | 750  | 705  | 1570 |
| 200 | 485 | 333 | 810  | 805  | 1605 |
| 250 | 585 | 383 | 970  | 1040 | 2350 |
| 300 | 685 | 433 | 1125 | 1275 | 2905 |
| 350 | 785 | 483 | 1280 | 1510 | 3460 |
| 400 | 885 | 533 | 1440 | 1750 | 4020 |



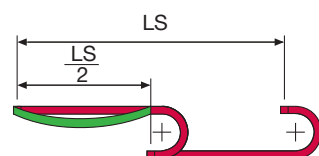
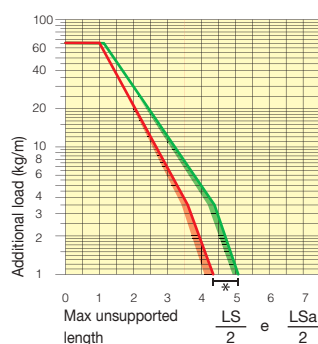
H57SC:  
Allen key pin opening



H57LC:  
Pin opening with special tool

## Self-Supporting Capacity Diagram

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



**\*If the chain is in the ADMISSIBLE SAGGING area (between GREEN and RED area) version with frames on every link is necessary.**

The area in the diagram considers the difference of weight between various widths of chain with nylon frame every second link.

Red for self-supporting chain, green for chain in admissible sagging.

For applications with ( $\frac{LS}{2}$ ) and weights not included in the diagram of 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

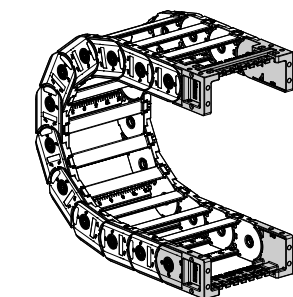
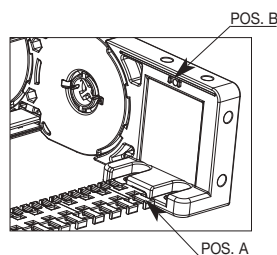
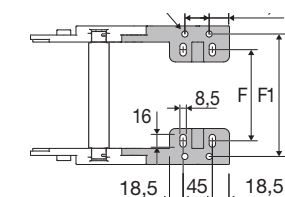
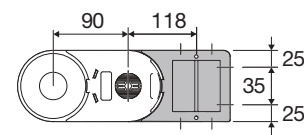


Fig. A

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



| Chain Type   | F mm |
|--------------|------|
| H57(S/L)C075 | 51   |
| H57(S/L)C100 | 76   |
| H57(S/L)C125 | 101  |
| H57(S/L)C150 | 126  |
| H57(S/L)C175 | 151  |
| H57(S/L)C200 | 176  |
| H57(S/L)C225 | 201  |
| H57(S/L)C250 | 226  |
| H57(S/L)C275 | 251  |
| H57(S/L)C300 | 276  |
| H57(S/L)C350 | 326  |
| H57(S/L)C400 | 376  |

### Nylon Type Part Numbers

| Chain Type | End Brackets set |
|------------|------------------|
| H57SC      | ANH57KM□**       |
| H57LC      | ANH57LKM□**      |

| Chain Type | End Brackets set |
|------------|------------------|
| H57SC      | ANH57K           |
| H57LC      | ANH57L           |

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

| Chain Type   | F1 mm |
|--------------|-------|
| H57(S/L)C075 | 98    |
| H57(S/L)C100 | 123   |
| H57(S/L)C125 | 148   |
| H57(S/L)C150 | 173   |
| H57(S/L)C175 | 198   |
| H57(S/L)C200 | 223   |
| H57(S/L)C225 | 248   |
| H57(S/L)C250 | 273   |
| H57(S/L)C275 | 298   |
| H57(S/L)C300 | 323   |
| H57(S/L)C350 | 373   |
| H57(S/L)C400 | 423   |

### Tiewrap Clamp

| Chain Type | Tiewrap Clamp set |
|------------|-------------------|
| Pos. A     | SFCTH57□□□*KMA    |
| Pos. B     | SFCTH57□□□*KM     |

| Chain Type | Tiewrap Clamp set |
|------------|-------------------|
| Pos. A     | SFCTH57□□□*KA     |
| Pos. B     | SFCTH57□□□*K      |

\* Inner Width C

## Serie Heavy

## H57SC - H57LC

Nylon cable chain with opening frames



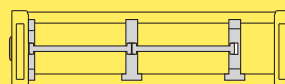
### H57B - H57LB

On request can be supplied with rods made of stainless steel or bright zinc plated steel.



### H57T - H57LT

On request can be supplied with drawn made of stainless steel or bright zinc plated steel.



Separation System page. 216

How to open the frame



Suitable to long travel distance with covers on all the pitches. See page 182

For further informations please consult Brevetti Stendalto's Technical Office

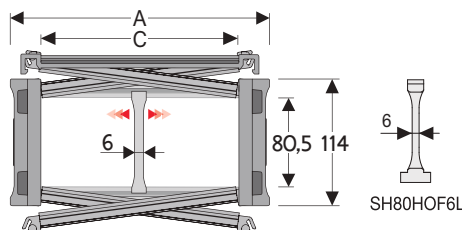
# Serie Heavy

## H80SC

### Nylon Chain with opening frame with a snap

#### Inner height (D) 80,5 mm

Sideband construction with quickly removable pin. Frames openable from either side on both inner and outer radius. As standard the chain comes with frames every link. Vertical and horizontal modular separator system is available.



#### Separator

|               |                     |
|---------------|---------------------|
| - Unassembled | Part.no SH80SCF6    |
| - Assembled*  | Part.no SH80SCF6MCI |
| - Assembled** | Part.no SH80SCF6MCE |

#### Strong-hold Separator

for C > 250 mm

|               |                     |
|---------------|---------------------|
| - Unassembled | Part.no SH80HOF6L   |
| - Assembled   | Part.no SH80HOF6LMC |

\* for chain opening outer radius

\*\* for chain opening inner radius

#### Technical characteristics when self-supported

Speed 8 m/s

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

For higher requirements please consult our technical dept.

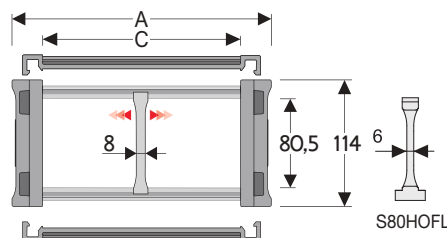
For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

4

| R   | H    | N   | M    | N1   | M1   |
|-----|------|-----|------|------|------|
| mm  | mm   | mm  | mm   | mm   | mm   |
| 200 | 514  | 377 | 870  | 810  | 1775 |
| 250 | 614  | 427 | 1030 | 1050 | 2330 |
| 300 | 714  | 477 | 1185 | 1285 | 2885 |
| 350 | 814  | 527 | 1340 | 1525 | 3445 |
| 400 | 914  | 577 | 1500 | 1760 | 4000 |
| 500 | 1114 | 677 | 1815 | 2235 | 5115 |
| 600 | 1314 | 777 | 2125 | 2705 | 6225 |

| A   | B   | C   | D    | R                           | Weight/m | Chain         |
|-----|-----|-----|------|-----------------------------|----------|---------------|
| mm  | mm  | mm  | mm   | mm                          | kg       | Part Number   |
| 205 | 114 | 150 | 80,5 | 200-250-300-350-400-500-600 | 6,70     | H80SC150 □□□* |
| 230 | 114 | 175 | 80,5 | 200-250-300-350-400-500-600 | 6,87     | H80SC175 □□□* |
| 255 | 114 | 200 | 80,5 | 200-250-300-350-400-500-600 | 7,04     | H80SC200 □□□* |
| 280 | 114 | 225 | 80,5 | 200-250-300-350-400-500-600 | 7,20     | H80SC225 □□□* |
| 305 | 114 | 250 | 80,5 | 200-250-300-350-400-500-600 | 7,37     | H80SC250 □□□* |
| 330 | 114 | 275 | 80,5 | 200-250-300-350-400-500-600 | 7,52     | H80SC275 □□□* |
| 355 | 114 | 300 | 80,5 | 200-250-300-350-400-500-600 | 7,66     | H80SC300 □□□* |
| 380 | 114 | 325 | 80,5 | 200-250-300-350-400-500-600 | 7,86     | H80SC325 □□□* |
| 405 | 114 | 350 | 80,5 | 200-250-300-350-400-500-600 | 8,05     | H80SC350 □□□* |
| 430 | 114 | 375 | 80,5 | 200-250-300-350-400-500-600 | 8,23     | H80SC375 □□□* |
| 485 | 114 | 430 | 80,5 | 200-250-300-350-400-500-600 | 8,62     | H80SC430 □□□* |
| 555 | 114 | 500 | 80,5 | 200-250-300-350-400-500-600 | 9,14     | H80SC500 □□□* |

\*Complete the code by inserting the value of the radius (R): Ex. H80SC200 □□□□



#### Separator

|               |                |
|---------------|----------------|
| - Unassembled | Part.no S80    |
| - Assembled*  | Part.no S80MCI |
| - Assembled** | Part.no S80MCE |

#### Strong-hold Separator

for C > 250 mm

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S80HOFL   |
| - Assembled   | Part.no S80HOFLMC |

#### Pin

Part.no PNH80RS

\* for chain opening outer radius

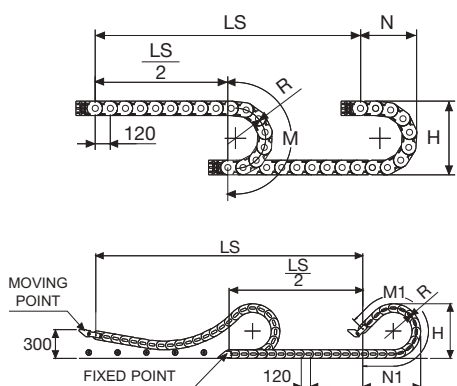
\*\* for chain opening inner radius

#### H80SA

#### Version with openable frame by both sides

| A   | B   | C   | D    | R                           | Weight/m | Chain         |
|-----|-----|-----|------|-----------------------------|----------|---------------|
| mm  | mm  | mm  | mm   | mm                          | kg       | Part Number   |
| 129 | 114 | 74  | 80,5 | 200-250-300-350-400-500-600 | 5,99     | H80SA074 □□□* |
| 149 | 114 | 94  | 80,5 | 200-250-300-350-400-500-600 | 6,10     | H80SA094 □□□* |
| 174 | 114 | 119 | 80,5 | 200-250-300-350-400-500-600 | 6,22     | H80SA119 □□□* |
| 181 | 114 | 126 | 80,5 | 200-250-300-350-400-500-600 | 6,23     | H80SA126 □□□* |

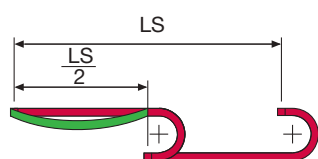
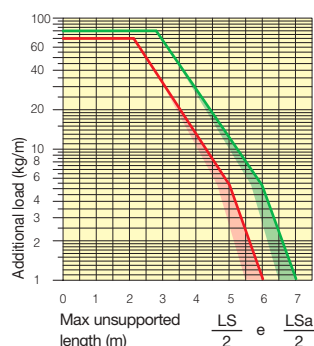
\*Complete the code by inserting the value of the radius (R): Ex. H80SA119 □□□□



Version with frames mounted on every pitch

## Self-Supporting Capacity Diagram

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



The area in the diagram considers the difference of weight between various widths of chain with nylon frame every second link.

Red for self-supporting chain, green for chain in admissible sagging.

For applications with ( $\frac{LS}{2}$ ) and weights not included in the diagram of 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

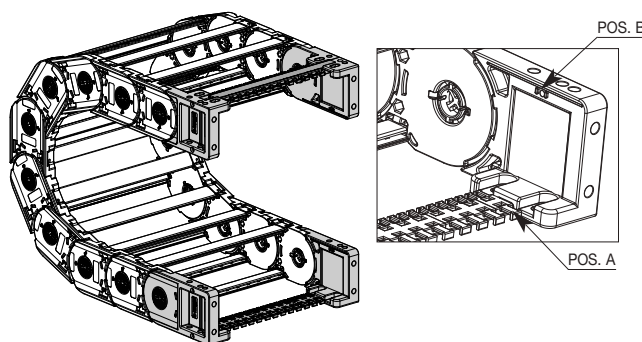
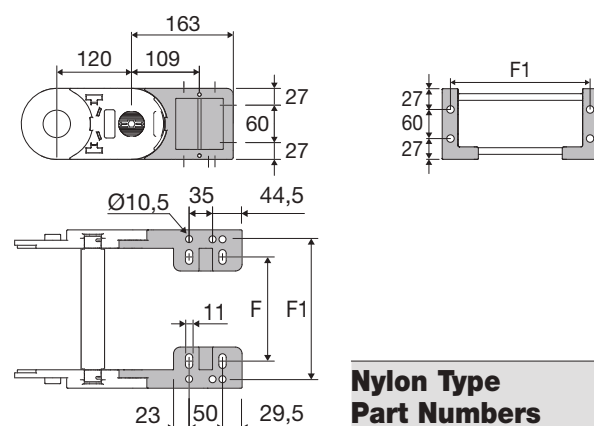


Fig. A  
The chain can be fixed frontally, inner and outer radius (Fig A)



| Chain Type | F mm | F1 mm |
|------------|------|-------|
| H80SC150   | 124  | 177,5 |
| H80SC175   | 149  | 202,5 |
| H80SC200   | 174  | 227,5 |
| H80SC225   | 199  | 252,5 |
| H80SC250   | 224  | 277,5 |
| H80SC275   | 249  | 302,5 |
| H80SC300   | 274  | 327,5 |
| H80SC325   | 299  | 352,5 |
| H80SC350   | 324  | 377,5 |
| H80SC375   | 349  | 402,5 |
| H80SC430   | 404  | 457,5 |
| H80SC500   | 474  | 527,5 |
| H80SA074   | 48   | 101,5 |
| H80SA094   | 68   | 121,5 |
| H80SA119   | 93   | 146,5 |
| H80SA126   | 100  | 153,5 |

Length of chain (L)

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

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

## Nylon Type Part Numbers

| Assembled Chain Type   | End Brackets set |
|------------------------|------------------|
| H80SC                  | ANH80KM□**       |
| Unassembled Chain Type | End Brackets set |
| H80SC                  | ANH80K*          |

## Tiewrap Clamp

| Complete Set Assembled Mounting Position   | Tiewrap Clamp set |
|--------------------------------------------|-------------------|
| Pos. A                                     | SFCTH80□□□*KMA    |
| Pos. B                                     | SFCTH80□□□*KM     |
| Complete Set Unassembled Mounting Position | Tiewrap Clamp set |
| Pos. A                                     | SFCTH80□□□*KA     |
| Pos. B                                     | SFCTH80□□□*K      |

\* Inner Width C  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
\*\*\* For 074 and 094 shares assembly is only on position B

## Serie Heavy

### H80SC

Nylon chain with opening frame with a snap



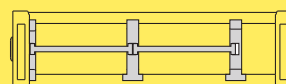
### H80B

On request can be supplied with rods made of stainless steel or aluminium.



### H80T

On request can be supplied with drawn made of aluminium.

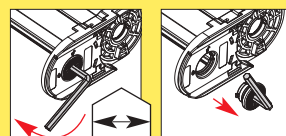


Separation System page. 216

How to open the frame



How to release the pin junction



10 mm



Suitable to long travel distance with covers on all the pitches. See page 184

For further informations please consult Brevetti Stendalto's Technical Office



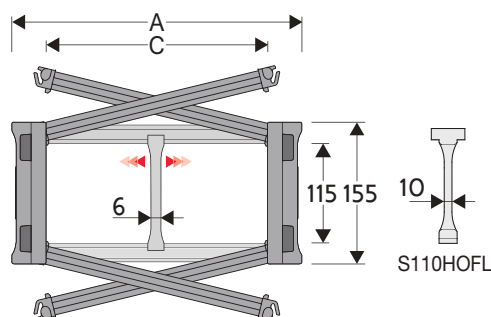
## Serie Heavy

# H110SC

## Nylon Chain with opening frame with a snap

### Inner height (D) 115 mm

Sideband construction with quickly removable pin. Frames openable from either side on both inner and outer radius. As standard the chain comes with frames every link. Vertical and horizontal modular separator system is available.



### Separator

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S110F3    |
| - Assembled*  | Part.no S110F3MCI |
| - Assembled** | Part.no S110F3MCE |

### Strong - Hold Separator for C > 250 mm

|               |                    |
|---------------|--------------------|
| - Unassembled | Part.no S110HOFL   |
| - Assembled   | Part.no S110HOFLMC |

### Pin

Part.no PNH110RS

\* for chain opening outer radius

\*\* for chain opening inner radius

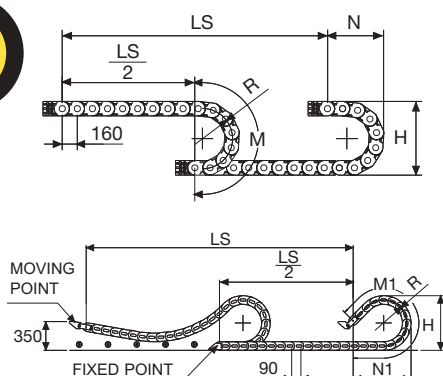
### Technical characteristics when self-supported

Speed 8 m/s

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

For higher requirements please consult our technical dept.

4



For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

| R   | H    | N   | M    | N1   | M1   |
|-----|------|-----|------|------|------|
| mm  | mm   | mm  | mm   | mm   | mm   |
| 200 | 557  | 418 | 950  | 855  | 1820 |
| 250 | 657  | 468 | 1110 | 1095 | 2375 |
| 300 | 757  | 518 | 1265 | 1335 | 2935 |
| 400 | 957  | 618 | 1580 | 1805 | 4045 |
| 500 | 1157 | 718 | 1895 | 2280 | 5160 |
| 600 | 1357 | 818 | 2205 | 2750 | 6270 |
| 700 | 1557 | 918 | 2520 | 3225 | 7385 |
| 750 | 1657 | 968 | 2680 | 3460 | 7940 |

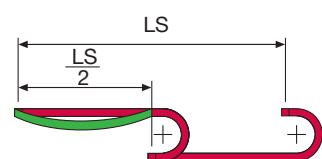
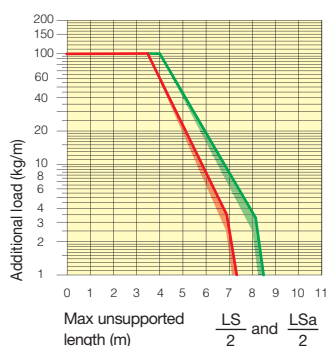
| A   | B   | C   | D   | R                               | Weight/m | Chain         |
|-----|-----|-----|-----|---------------------------------|----------|---------------|
| mm  | mm  | mm  | mm  | mm                              | kg       | Part Number   |
| 205 | 155 | 150 | 115 | 200-250-300-400-500-600-700-750 | 8,66     | 110SC150 □□□* |
| 230 | 155 | 175 | 115 | 200-250-300-400-500-600-700-750 | 8,79     | 110SC175 □□□* |
| 255 | 155 | 200 | 115 | 200-250-300-400-500-600-700-750 | 8,91     | 110SC200 □□□* |
| 280 | 155 | 225 | 115 | 200-250-300-400-500-600-700-750 | 9,03     | 110SC225 □□□* |
| 305 | 155 | 250 | 115 | 200-250-300-400-500-600-700-750 | 9,16     | 110SC250 □□□* |
| 330 | 155 | 275 | 115 | 200-250-300-400-500-600-700-750 | 9,27     | 110SC275 □□□* |
| 355 | 155 | 300 | 115 | 200-250-300-400-500-600-700-750 | 9,38     | 110SC300 □□□* |
| 380 | 155 | 325 | 115 | 200-250-300-400-500-600-700-750 | 9,53     | 110SC325 □□□* |
| 405 | 155 | 350 | 115 | 200-250-300-400-500-600-700-750 | 9,70     | 110SC350 □□□* |
| 430 | 155 | 375 | 115 | 200-250-300-400-500-600-700-750 | 9,80     | 110SC375 □□□* |
| 485 | 155 | 430 | 115 | 200-250-300-400-500-600-700-750 | 10,10    | 110SC430 □□□* |
| 555 | 155 | 500 | 115 | 200-250-300-400-500-600-700-750 | 10,48    | 110SC500 □□□* |

\*Complete the code by inserting the value of the radius (R): Ex. 110SC350 □□□□



## Self-Supporting Capacity Diagram

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



The area in the diagram considers the difference of weight between various widths of chain with nylon frame every second link.

Red for self-supporting chain, green for chain in admissible sagging.

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

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

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

## Bright Zinc Plated Steel 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.

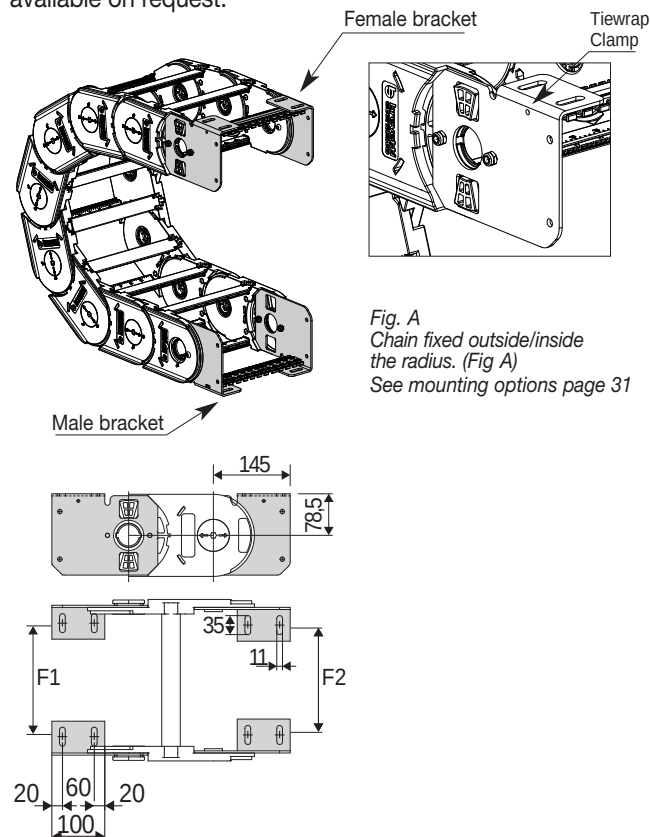


Fig. A  
Chain fixed outside/inside the radius. (Fig A)  
See mounting options page 31

| Chain Type     | F1 mm    |
|----------------|----------|
| 110SC150       | 120      |
| 110SC175       | 145      |
| 110SC200       | 170      |
| 110SC225       | 195      |
| 110SC250       | 220      |
| 110SC275       | 245      |
| 110SC300       | 270      |
| 110SC325       | 295      |
| 110SC350       | 320      |
| 110SC375       | 344      |
| 110SC430       | 400      |
| 110SC500       | 470      |
| Special widths | F = C-85 |

## Bright Zinc Plated Steel Type Part Number

| Chain type | End Brackets kit |
|------------|------------------|
| 110SC      | A110KM □□□*      |

| Chain type | End Brackets kit |
|------------|------------------|
| 110SC      | A110SC □□□ K □□* |

Available on request in stainless steel.

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

See mounting variations page 31

| Chain Type     | F2 mm    |
|----------------|----------|
| 110SC150       | 112      |
| 110SC175       | 137      |
| 110SC200       | 162      |
| 110SC225       | 187      |
| 110SC250       | 212      |
| 110SC275       | 237      |
| 110SC300       | 262      |
| 110SC325       | 287      |
| 110SC350       | 312      |
| 110SC375       | 336      |
| 110SC430       | 392      |
| 110SC500       | 462      |
| Special widths | F = C-93 |

## Tiewrap Clamp kit mounted on female attachment

| Part Number                |
|----------------------------|
| Assembled SFCT110 □□□*FKM  |
| Unassembled SFCT110 □□□*FK |
| * Inner width (C)          |

## Tiewrap Clamp kit mounted on male attachment

| Part Number                |
|----------------------------|
| Assembled SFCT110 □□□*MKM  |
| Unassembled SFCT110 □□□*MK |
| * Inner width (C)          |

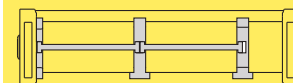
## Serie Heavy

### H110SC Nylon chain with opening frame with a snap



### H110B

On request can be supplied with rods made of stainless steel or bright zinc plated steel.

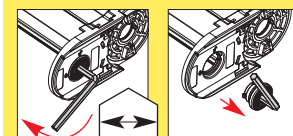


Separation System  
page. 216

## How to open the frame



## How to release the pin junction



10 mm



Suitable to long travel distance with covers on all the pitches.  
See page 184

For further informations please consult Brevetti Stendalto's Technical Office

# Serie Heavy

## H110T

### Nylon chain with aluminium draw plates

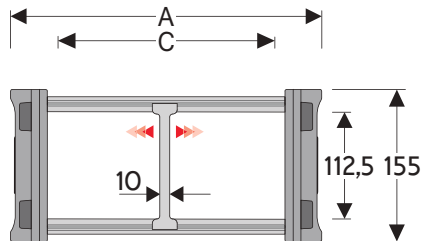
#### Inner height (D) 112,5 mm

Sideband construction with quickly removable pin.

Alu-draw frames are un-screwable from inner and outer radius.

As standard the chain comes with frames every link.

Vertical separators system available.



#### Separator

|               |                    |
|---------------|--------------------|
| - Unassembled | Part.no S310TCF9   |
| - Assembled   | Part.no S310TCF9MC |

#### Pin

Part.no PNH110RS

#### Technical characteristics when self-supported

|              |                     |
|--------------|---------------------|
| Speed        | 4 m/s               |
| Acceleration | 20 m/s <sup>2</sup> |

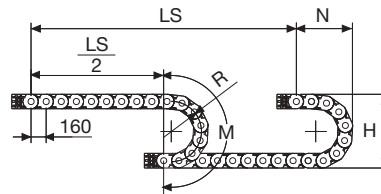
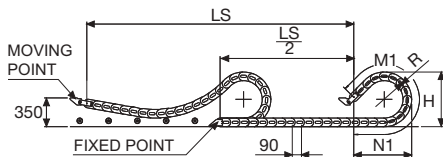
For higher requirements please consult our technical dept.

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------------------|----------------|----------------------|
| 255     | 155     | 200     | 112,5   | 200-250-300-400-500-600-700-750 | 9,93           | 110T200 □□□ *        |
| 355     | 155     | 300     | 112,5   | 200-250-300-400-500-600-700-750 | 10,96          | 110T300 □□□ *        |
| 455     | 155     | 400     | 112,5   | 200-250-300-400-500-600-700-750 | 12,00          | 110T400 □□□ *        |
| 555     | 155     | 500     | 112,5   | 200-250-300-400-500-600-700-750 | 13,04          | 110T500 □□□ *        |
| 655     | 155     | 600     | 112,5   | 200-250-300-400-500-600-700-750 | 14,08          | 110T600 □□□ *        |
| C+55    | 155     | ....    | 112,5   | 200-250-300-400-500-600-700-750 |                | 110T □□□□□ **        |

\*Complete the code by inserting the value of the radius (R): Ex. 110T200 □□□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 110T□□□□□



Length of chain (L)

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

plus length of curve (M) or (M1)

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

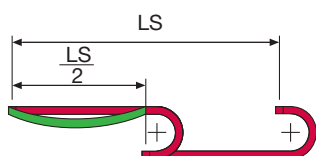
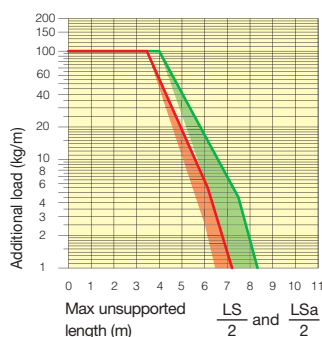
| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 200     | 557     | 418     | 950     | 855      | 1820     |
| 250     | 657     | 468     | 1110    | 1095     | 2375     |
| 300     | 757     | 518     | 1265    | 1335     | 2935     |
| 400     | 957     | 618     | 1580    | 1805     | 4045     |
| 500     | 1157    | 718     | 1895    | 2280     | 5160     |
| 600     | 1357    | 818     | 2205    | 2750     | 6270     |
| 700     | 1557    | 918     | 2520    | 3225     | 7385     |
| 750     | 1657    | 968     | 2680    | 3460     | 7940     |



Version with Alu-draw mounted on every pitch

## Self-Supporting Capacity Diagram

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



The area in the diagram considers the difference of weight between various widths of chain with nylon frame every second link.

Red for self-supporting chain, green for chain in admissible sagging.

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

## Bright Zinc Plated Steel End Bracket\*\*\*

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.

### Bright Zinc Plated Steel Type

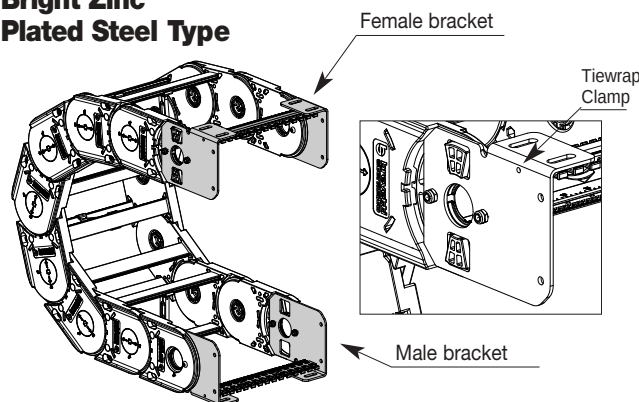
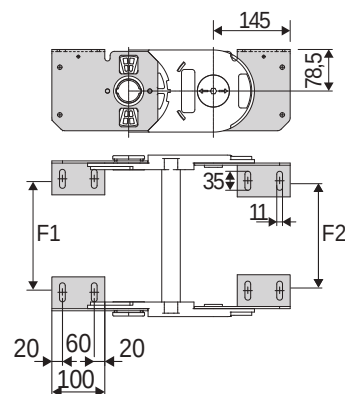


Fig. A  
Chain fixed outside/inside the radius. (Fig A)  
See mounting options page 31



| Chain Type     | F1 mm  |
|----------------|--------|
| 110T200        | 170    |
| 110T300        | 270    |
| 110T400        | 370    |
| 110T500        | 470    |
| 110T600        | 570    |
| Special widths | F=C-30 |

### Bright Zinc Plated Steel Type Part Number

| Complete Set assembled | Part Number               |
|------------------------|---------------------------|
| Chain End Brackets     | Assembled SFCT110□□□*FKM  |
| Type Set               | Unassembled SFCT110□□□*FK |
| 110T... A110T□□□KM□**  | * Inner width (C)         |

| Complete Set Unassembled | Part Number               |
|--------------------------|---------------------------|
| Chain End Brackets       | Assembled SFCT110□□□*MKM  |
| Type Set                 | Unassembled SFCT110□□□*MK |
| 110T... A110T□□□K□**     | * Inner width (C)         |

\*\* 1= Pos.1; 2= Pos.2; 3= Pos.3  
\*\*\* On request stainless steel

| Catena Tipo    | F2 mm  |
|----------------|--------|
| 110T200        | 162    |
| 110T300        | 262    |
| 110T400        | 362    |
| 110T500        | 462    |
| 110T600        | 562    |
| Special widths | F=C-38 |

### Tiewrap Clamp kit mounted on female attachment

| Part Number               |
|---------------------------|
| Assembled SFCT110□□□*FKM  |
| Unassembled SFCT110□□□*FK |
| * Inner width (C)         |

### Tiewrap Clamp kit mounted on male attachment

| Part Number               |
|---------------------------|
| Assembled SFCT110□□□*MKM  |
| Unassembled SFCT110□□□*MK |
| * Inner width (C)         |

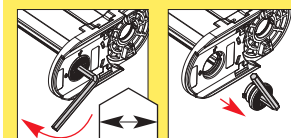
## Serie Heavy

### H110T Nylon chain with aluminium draw plates



**H110B**  
On request can be supplied with rods made of stainless steel or bright zinc plated steel.

How to release the pin junction



CH.10 mm



Suitable to long travel distance with covers on all the pitches. See page 184

For further informations please consult Brevetti Stendalto's Technical Office



# Serie Heavy

# 306SU

## Nylon Cable Chain with opening frames

### Inner height (D) 37 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Frames opening from inner and outer radius.

As standard the chain comes with frames every second link, on request with frames every link.

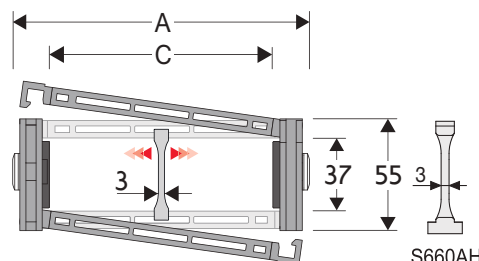
Vertical and horizontal modular separator system is available.

### Technical characteristics when self-supported

Speed 4 m/s

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

For higher requirements please consult our technical dept.



### Separator

- Unassembled Part.no S306SM  
- Assembled\* Part.no S306SMC

### Strong-hold separator

for C > 250 mm

- Unassembled Part.no S660AH  
- Assembled\* Part.no S660AHMCI  
- Assembled\*\* Part.no S660AHMCE

Pin Part.no PG307

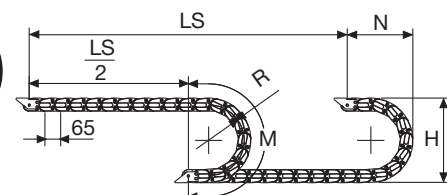
\* for chain opening outer radius

\*\* for chain opening inner radius

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 79      | 55      | 43      | 37      | 075-107-150-200-250-300 | 1,61           | 306SU043 □□□ *       |
| 90      | 55      | 54      | 37      | 075-107-150-200-250-300 | 1,61           | 306SU054 □□□ *       |
| 104     | 55      | 68      | 37      | 075-107-150-200-250-300 | 1,68           | 306SU068 □□□ *       |
| 110     | 55      | 74      | 37      | 075-107-150-200-250-300 | 1,70           | 306SU074 □□□ *       |
| 114     | 55      | 78      | 37      | 075-107-150-200-250-300 | 1,72           | 306SU078 □□□ *       |
| 124     | 55      | 88      | 37      | 075-107-150-200-250-300 | 1,74           | 306SU088 □□□ *       |
| 129     | 55      | 93      | 37      | 075-107-150-200-250-300 | 1,74           | 306SU093 □□□ *       |
| 136     | 55      | 100     | 37      | 075-107-150-200-250-300 | 1,76           | 306SU100 □□□ *       |
| 146     | 55      | 110     | 37      | 075-107-150-200-250-300 | 1,77           | 306SU110 □□□ *       |
| 154     | 55      | 118     | 37      | 075-107-150-200-250-300 | 1,82           | 306SU118 □□□ *       |
| 165     | 55      | 129     | 37      | 075-107-150-200-250-300 | 1,85           | 306SU129 □□□ *       |
| 179     | 55      | 143     | 37      | 075-107-150-200-250-300 | 1,89           | 306SU143 □□□ *       |
| 204     | 55      | 168     | 37      | 075-107-150-200-250-300 | 1,96           | 306SU168 □□□ *       |
| 229     | 55      | 193     | 37      | 075-107-150-200-250-300 | 2,04           | 306SU193 □□□ *       |
| 240     | 55      | 204     | 37      | 075-107-150-200-250-300 | 2,07           | 306SU204 □□□ *       |
| 254     | 55      | 218     | 37      | 075-107-150-200-250-300 | 2,11           | 306SU218 □□□ *       |
| 281     | 55      | 245     | 37      | 075-107-150-200-250-300 | 2,19           | 306SU245 □□□ *       |
| 290     | 55      | 254     | 37      | 075-107-150-200-250-300 | 2,22           | 306SU254 □□□ *       |
| 315     | 55      | 279     | 37      | 075-107-150-200-250-300 | 2,29           | 306SU279 □□□ *       |
| 341     | 55      | 305     | 37      | 075-107-150-200-250-300 | 2,34           | 306SU305 □□□ *       |
| 363     | 55      | 327     | 37      | 075-107-150-200-250-300 | 2,41           | 306SU327 □□□ *       |
| 391     | 55      | 355     | 37      | 075-107-150-200-250-300 | 2,49           | 306SU355 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 306SU110 110 0

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 306SU110150 D



Length of chain (L)

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

plus length of curve (M)

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

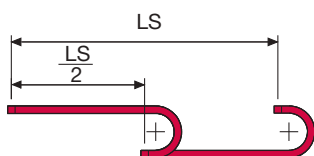
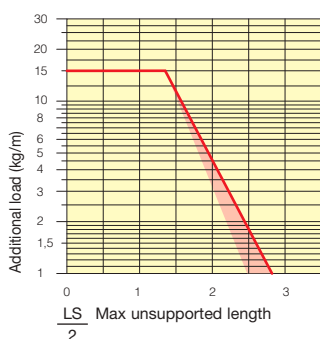
| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 075     | 208     | 170     | 370     |
| 107     | 272     | 205     | 470     |
| 150     | 358     | 245     | 605     |
| 200     | 458     | 295     | 760     |
| 250     | 558     | 345     | 920     |
| 300     | 658     | 395     | 1075    |



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. Set complete with tiewrap clamps available on request.

### Nylon Type

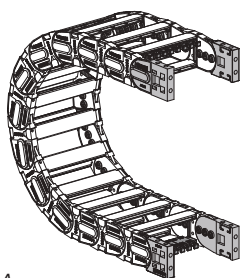
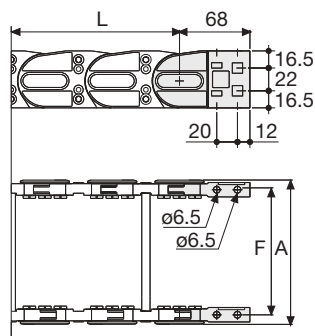


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 306SU043   | 61   |
| 306SU054   | 72   |
| 306SU068   | 86   |
| 306SU074   | 92   |
| 306SU078   | 96   |
| 306SU088   | 106  |
| 306SU093   | 111  |
| 306SU100   | 118  |
| 306SU110   | 128  |
| 306SU118   | 136  |
| 306SU129   | 147  |
| 306SU143   | 161  |
| 306SU168   | 186  |
| 306SU193   | 211  |
| 306SU204   | 222  |
| 306SU218   | 236  |
| 306SU245   | 263  |
| 306SU254   | 272  |
| 306SU279   | 297  |
| 306SU305   | 323  |
| 306SU327   | 345  |
| 306SU355   | 373  |

### Nylon Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 306SU...               | AN306KM      |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 306SU...                 | AN306K       |

| Tiewrap Clamp             |
|---------------------------|
| Assembl. CFC306S □□□ *KM  |
| Unassembl. CFC306S □□□ *K |

### Nylon Type

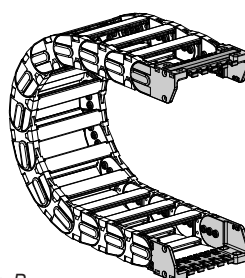
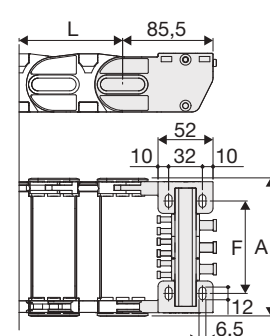


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 306SU043   | 36   |
| 306SU054   | 47   |
| 306SU068   | 61   |
| 306SU074   | 67   |
| 306SU078   | 71   |
| 306SU088   | 81   |
| 306SU093   | 86   |
| 306SU100   | 93   |
| 306SU110   | 103  |
| 306SU118   | 111  |
| 306SU129   | 122  |
| 306SU143   | 136  |
| 306SU168   | 161  |
| 306SU193   | 186  |
| 306SU204   | 197  |
| 306SU218   | 211  |
| 306SU245   | 238  |
| 306SU254   | 247  |
| 306SU279   | 272  |
| 306SU305   | 298  |
| 306SU327   | 320  |
| 306SU355   | 348  |

### Nylon Type Part Numbers

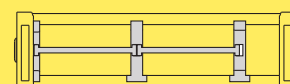
| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 306SU...               | ANL306KM □** |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 306SU...                 | ANL306K □**  |

| Tiewrap Clamp                 |
|-------------------------------|
| Assembl. SFCTL306 □□□ *KM     |
| Unassembl. SFCTL306S □□□ *K   |
| SFCTL not applicable for C=43 |

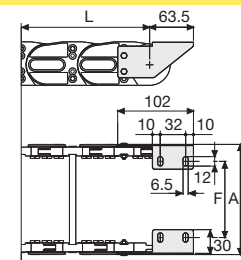
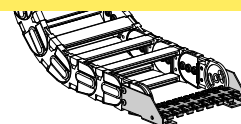
## Serie Heavy

## 306SU Nylon Cable Chain with opening frames



Separation System  
To choose the separators see page. 216

## Bright Zinc Plated Steel Type\*\*\*



F = A-43

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 306SU...               | A306SKM □**  |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 306SU...                 | A306SK □**   |

| Tiewrap Clamp              |
|----------------------------|
| Assembl. SFCT306S □□□ *KM  |
| Unassembl. SFCT306S □□□ *K |

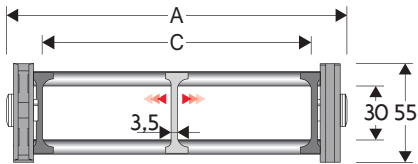
\* Inner width (C)  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
\*\*\* Available on request in stainless steel

# Serie Heavy

## 306B 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        | 4 m/s               |
| Acceleration | 10 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

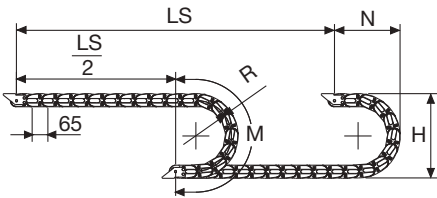
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 115     | 55      | 75      | 30      | 075-107-150-200-250-300 | 1,60           | 306B075 □ *          |
| 140     | 55      | 100     | 30      | 075-107-150-200-250-300 | 1,65           | 306B100 □ *          |
| 190     | 55      | 150     | 30      | 075-107-150-200-250-300 | 1,80           | 306B150 □ *          |
| 240     | 55      | 200     | 30      | 075-107-150-200-250-300 | 1,90           | 306B200 □ *          |
| 290     | 55      | 250     | 30      | 075-107-150-200-250-300 | 2,00           | 306B250 □ *          |
| 340     | 55      | 300     | 30      | 075-107-150-200-250-300 | 2,15           | 306B300 □ *          |
| C+40    | 55      | .....   | 30      | 075-107-150-200-250-300 |                | 306B □ □ □ □ **      |

\*Complete the code by inserting the value of the radius (R): Ex. 306B075 □

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. 306B □ □ □ □ □

Chain equipped with aluminium rods every pitch: complete the code by inserting the letter D.  
Ex. 306B0751 □



| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 075     | 208     | 170     | 370     |
| 107     | 272     | 205     | 470     |
| 150     | 358     | 245     | 605     |
| 200     | 458     | 295     | 760     |
| 250     | 558     | 345     | 920     |
| 300     | 658     | 395     | 1075    |

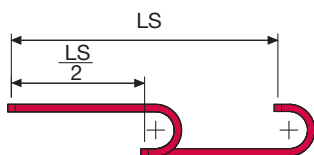
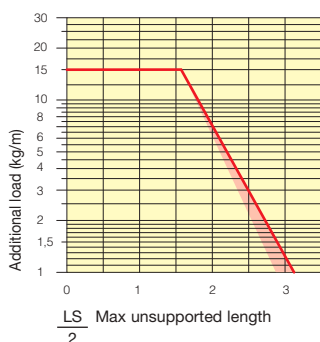
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

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



## 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 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. Set complete with tiewrap clamps available on request.

### Nylon Type

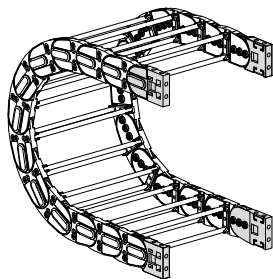


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Nylon Type

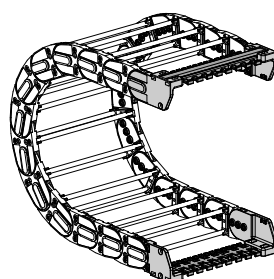
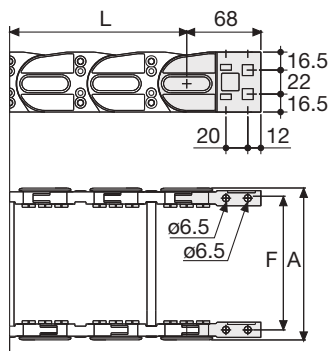


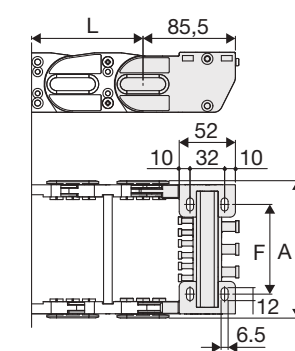
Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type            | F mm |
|-----------------------|------|
| 306B075               | 96   |
| 306B100               | 121  |
| 306B150               | 171  |
| 306B200               | 221  |
| 306B250               | 271  |
| 306B300               | 321  |
| Special widths F=A-19 |      |

### Nylon Type Part Numbers

| Complete Set Assembled   |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 306B...                  | AN306KM          |
| Complete Set Unassembled |                  |
| Chain Type               | End Brackets Set |
| 306B...                  | AN306K           |



| Chain Type            | F mm |
|-----------------------|------|
| 306B075               | 71   |
| 306B100               | 96   |
| 306B150               | 146  |
| 306B200               | 196  |
| 306B250               | 246  |
| 306B300               | 296  |
| Special widths F=A-44 |      |

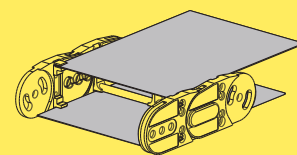
### Nylon Type Part Numbers

| Complete Set Assembled   |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 306B...                  | ANL306KM         |
| Complete Set Unassembled |                  |
| Chain Type               | End Brackets Set |
| 306B...                  | ANL306K          |
| Tiewrap Clamp            |                  |
| Assembl.                 | SFCTL306         |
| Unassembl.               | SFCTL306B        |

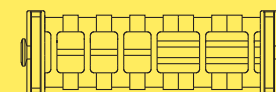
## Serie Heavy

### 306B

Nylon Cable Chain with un-screwable aluminium rods

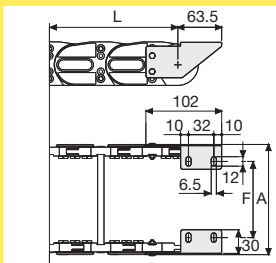
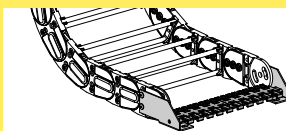


Steel laminar cover.



Supplementary movable separators.

## Bright Zinc Plated Steel Type\*\*\*



F = A-44

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled   |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 306B...                  | A306KM           |
| Complete Set Unassembled |                  |
| Chain Type               | End Brackets Set |
| 306B...                  | A306K            |
| Tiewrap Clamp            |                  |
| Assembl.                 | SFCT306B         |
| Unassembl.               | SFCT306B         |

\* Inner width (C)  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
\*\*\* Available on request in stainless steel



# Serie Heavy

# 307SU

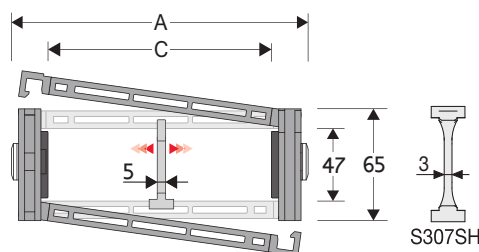
## Nylon Cable Chain with opening frames

### Inner height (D) 47 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Frames opening from inner and outer 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.



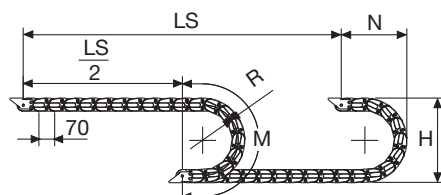
| Separator             |                   |
|-----------------------|-------------------|
| - Unassembled         | Part.no S307S     |
| - Assembled*          | Part.no S307SMCI  |
| - Assembled**         | Part.no S307SMCE  |
| Strong-hold separator |                   |
| for C > 250 mm        |                   |
| - Unassembled         | Part.no S307SH    |
| - Assembled*          | Part.no S307SHMCI |
| - Assembled**         | Part.no S307SHMCE |
| Pin                   |                   |
|                       | Part.no PG307     |

\* for chain opening outer radius  
\*\* for chain opening inner radius

### 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<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 075     | 219     | 180     | 375     |
| 090     | 249     | 195     | 425     |
| 120     | 309     | 225     | 520     |
| 140     | 349     | 245     | 580     |
| 200     | 469     | 305     | 770     |
| 250     | 569     | 355     | 925     |

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 80      | 65      | 42      | 47      | 075-090-120-140-200-250 | 1,86           | 307SU042 □□□ *       |
| 91      | 65      | 53      | 47      | 075-090-120-140-200-250 | 1,86           | 307SU053 □□□ *       |
| 105     | 65      | 67      | 47      | 075-090-120-140-200-250 | 1,92           | 307SU067 □□□ *       |
| 111     | 65      | 73      | 47      | 075-090-120-140-200-250 | 1,94           | 307SU073 □□□ *       |
| 115     | 65      | 77      | 47      | 075-090-120-140-200-250 | 1,96           | 307SU077 □□□ *       |
| 125     | 65      | 87      | 47      | 075-090-120-140-200-250 | 1,97           | 307SU087 □□□ *       |
| 130     | 65      | 92      | 47      | 075-090-120-140-200-250 | 1,97           | 307SU092 □□□ *       |
| 137     | 65      | 99      | 47      | 075-090-120-140-200-250 | 1,99           | 307SU099 □□□ *       |
| 147     | 65      | 109     | 47      | 075-090-120-140-200-250 | 2,00           | 307SU109 □□□ *       |
| 155     | 65      | 117     | 47      | 075-090-120-140-200-250 | 2,05           | 307SU117 □□□ *       |
| 166     | 65      | 128     | 47      | 075-090-120-140-200-250 | 2,07           | 307SU128 □□□ *       |
| 180     | 65      | 142     | 47      | 075-090-120-140-200-250 | 2,10           | 307SU142 □□□ *       |
| 205     | 65      | 167     | 47      | 075-090-120-140-200-250 | 2,16           | 307SU167 □□□ *       |
| 230     | 65      | 192     | 47      | 075-090-120-140-200-250 | 2,23           | 307SU192 □□□ *       |
| 241     | 65      | 203     | 47      | 075-090-120-140-200-250 | 2,26           | 307SU203 □□□ *       |
| 255     | 65      | 217     | 47      | 075-090-120-140-200-250 | 2,30           | 307SU217 □□□ *       |
| 282     | 65      | 244     | 47      | 075-090-120-140-200-250 | 2,37           | 307SU244 □□□ *       |
| 291     | 65      | 253     | 47      | 075-090-120-140-200-250 | 2,39           | 307SU253 □□□ *       |
| 316     | 65      | 278     | 47      | 075-090-120-140-200-250 | 2,47           | 307SU278 □□□ *       |
| 342     | 65      | 304     | 47      | 075-090-120-140-200-250 | 2,50           | 307SU304 □□□ *       |
| 364     | 65      | 326     | 47      | 075-090-120-140-200-250 | 2,56           | 307SU326 □□□ *       |
| 392     | 65      | 354     | 47      | 075-090-120-140-200-250 | 2,63           | 307SU354 □□□ *       |

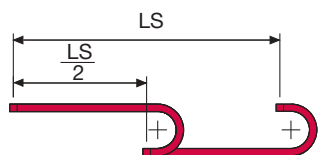
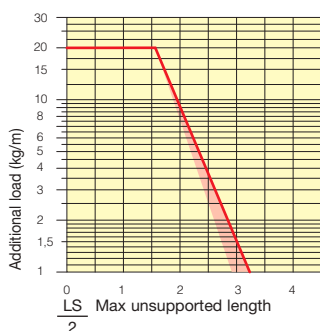
\*Complete the code by inserting the value of the radius (R): Ex. 307SU117 □□□ □

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 307SU117140 □□



## 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.



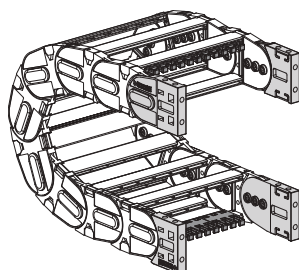
The red marking in the diagram area considers the difference of weight between various widths of chains assembled with nylon frames every second pitch.

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).

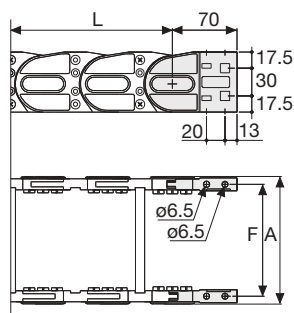
## End Brackets

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

## Nylon Type



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



| Chain Type | F mm |
|------------|------|
| 307SU042   | 61   |
| 307SU053   | 72   |
| 307SU067   | 86   |
| 307SU073   | 92   |
| 307SU077   | 96   |
| 307SU087   | 106  |
| 307SU092   | 111  |
| 307SU099   | 118  |
| 307SU109   | 128  |
| 307SU117   | 136  |
| 307SU128   | 147  |
| 307SU142   | 161  |
| 307SU167   | 186  |
| 307SU192   | 211  |
| 307SU203   | 222  |
| 307SU217   | 236  |
| 307SU244   | 263  |
| 307SU253   | 272  |
| 307SU278   | 297  |
| 307SU304   | 323  |
| 307SU326   | 345  |
| 307SU354   | 373  |

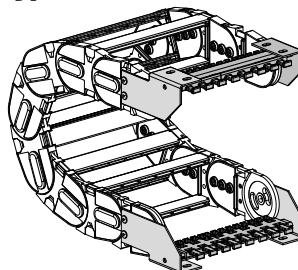
## Nylon Type Part Numbers

| Complete Set Assembled |              |
|------------------------|--------------|
| Chain                  | End Brackets |
| Type                   | Set          |
| 307SU...               | AN307KM      |

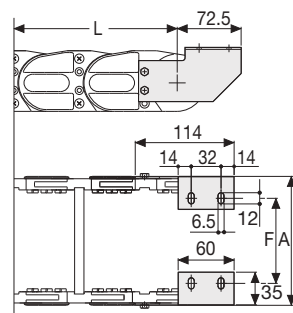
| Complete Set | Unassembled  |
|--------------|--------------|
| Chain        | End Brackets |
| Type         | Set          |
| 307SU...     | AN307K       |

|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| <b>Tiewrap Clamp</b> |                                                                                               |
| Assembl.             | <b>CFC307S</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *KM |
| Unassembl.           | <b>CFC307S</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> *K  |

**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 |
|------------|------|
| 307SU042   | 31   |
| 307SU053   | 42   |
| 307SU067   | 56   |
| 307SU073   | 62   |
| 307SU077   | 66   |
| 307SU087   | 76   |
| 307SU092   | 81   |
| 307SU099   | 88   |
| 307SU109   | 98   |
| 307SU117   | 106  |
| 307SU128   | 117  |
| 307SU142   | 131  |
| 307SU167   | 156  |
| 307SU192   | 181  |
| 307SU203   | 192  |
| 307SU217   | 206  |
| 307SU244   | 233  |
| 307SU253   | 242  |
| 307SU278   | 267  |
| 307SU304   | 293  |
| 307SU326   | 315  |
| 307SU354   | 343  |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |                                     |
|------------------------|-------------------------------------|
| Chain<br>Type          | End Brackets<br>Set                 |
| 307SU...               | A307SKM <input type="checkbox"/> ** |

| Complete Set | Unassembled                        |
|--------------|------------------------------------|
| Chain        | End Brackets                       |
| Type         | Set                                |
| 307SU...     | A307SK <input type="checkbox"/> ** |

**Tiewrap Clamp**

Assembl. **SFCT307S** ☐☐☐\*KM

Unassembl. **SFCT307S** ☐☐☐\*K

\* Inner width (C)

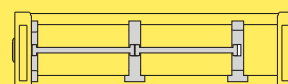
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

## Serie Heavy

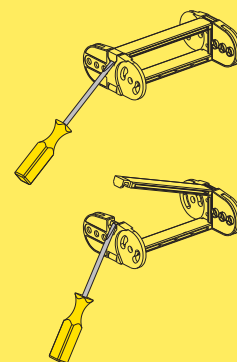
# 307SU

## Nylon Cable Chain with opening frames



**Separation System**  
To choose the separators see  
page 216.

**How to open the cover.**



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



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

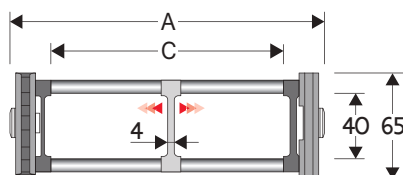
# Serie Heavy

## 307B

### 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.

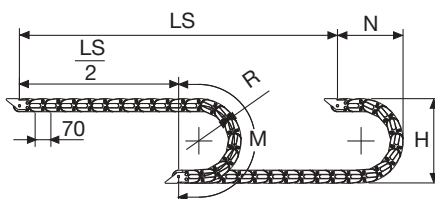
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 117     | 65      | 75      | 40      | 075-090-120-140-200-250 | 1,80           | 307B075 □ *          |
| 142     | 65      | 100     | 40      | 075-090-120-140-200-250 | 1,85           | 307B100 □ *          |
| 192     | 65      | 150     | 40      | 075-090-120-140-200-250 | 1,95           | 307B150 □ *          |
| 242     | 65      | 200     | 40      | 075-090-120-140-200-250 | 2,05           | 307B200 □ *          |
| 292     | 65      | 250     | 40      | 075-090-120-140-200-250 | 2,15           | 307B250 □ *          |
| 342     | 65      | 300     | 40      | 075-090-120-140-200-250 | 2,25           | 307B300 □ *          |
| C+42    | 65      | .....   | 40      | 075-090-120-140-200-250 |                | 307B □ □ □ □ **      |

\*Complete the code by inserting the value of the radius (R): Ex. 307B075 □

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. 307B □ □ □ □ □

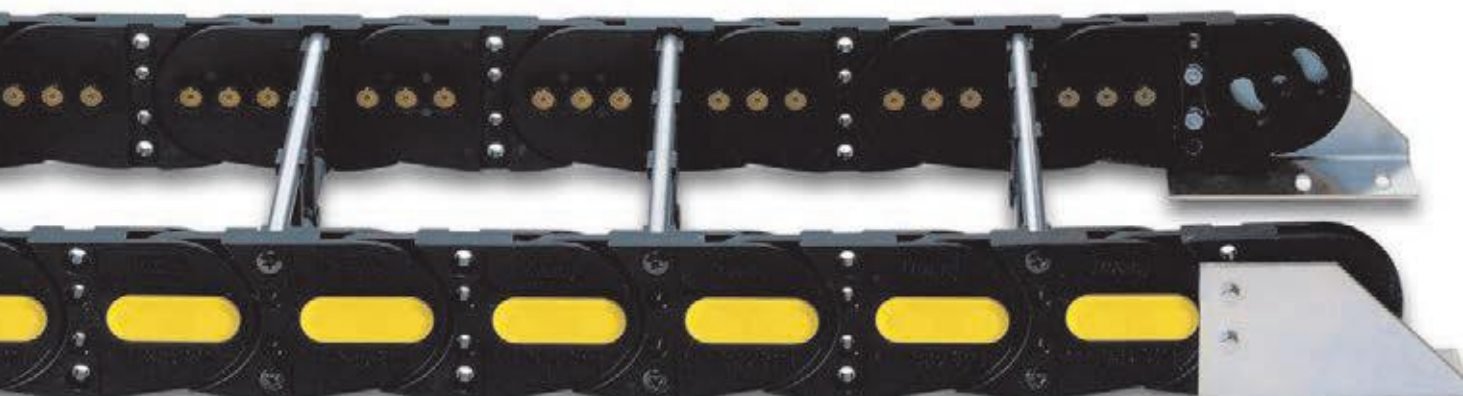
Chain equipped with aluminium rods every pitch: complete the code by inserting the letter D.  
Ex. 307B0751 □



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

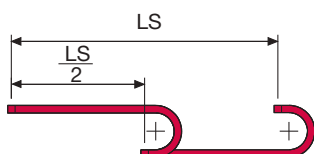
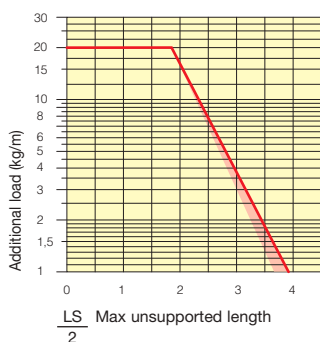
$$L = \frac{LS}{2} + M$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 075     | 219     | 180     | 375     |
| 090     | 249     | 195     | 425     |
| 120     | 309     | 225     | 520     |
| 140     | 349     | 245     | 580     |
| 200     | 469     | 305     | 770     |
| 250     | 569     | 355     | 925     |



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

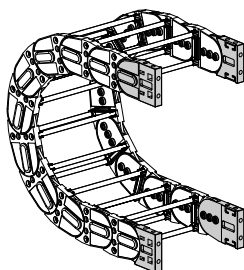


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

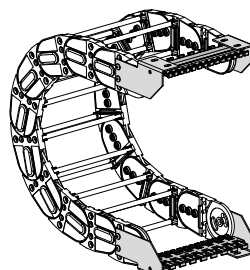
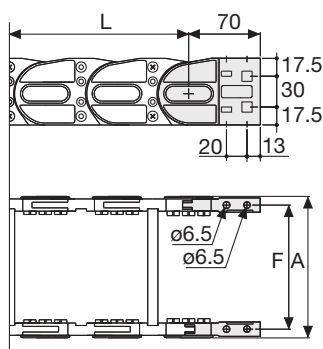


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

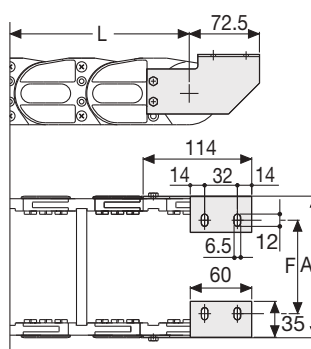


| Chain Type            | F mm |
|-----------------------|------|
| 307B075               | 98   |
| 307B100               | 123  |
| 307B150               | 173  |
| 307B200               | 223  |
| 307B250               | 273  |
| 307B300               | 323  |
| Special widths F=A-19 |      |

### Nylon Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 307B...    | AN307KM          |

| Chain Type | End Brackets Set |
|------------|------------------|
| 307B...    | AN307K           |



| Chain Type            | F mm |
|-----------------------|------|
| 307B075               | 68   |
| 307B100               | 93   |
| 307B150               | 143  |
| 307B200               | 193  |
| 307B250               | 243  |
| 307B300               | 293  |
| Special widths F=A-49 |      |

### Bright Zinc Plated Steel Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 307B...    | A307KM □**       |

| Chain Type | End Brackets Set |
|------------|------------------|
| 307B...    | A307K □**        |

#### Tiewrap Clamp

Assembl. SFCT307B □□□\*KM  
Unassembl. SFCT307B □□□\*K

\* Inner width (C)

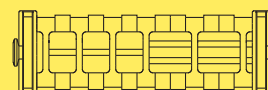
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

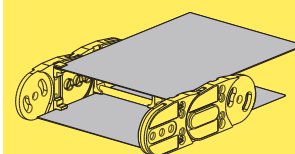
## Serie Heavy

### 307B

Nylon Cable Chain with un-screwable aluminium rods



Supplementary movable separators.



Steel laminar cover.

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



For further information please consult Brevetti Stendalto's Technical Office

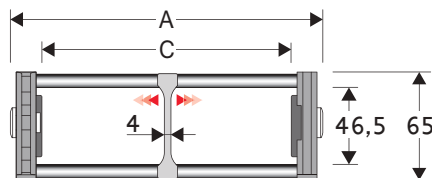


# Serie Heavy

## 307E Nylon Cable Chain with alu-drawn frames

### Inner height (D) 46,5 mm

Strong side-bands chain with dovetailed links and triple low friction pins. Alu-drawn frames mounted each second pitch full-pitch frames version available on demand.  
Special C size available on demand.  
Vertical and horizontal separator systems are available.



### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S307EF   |
| - Assembled   | Part.no S307EFMC |

### Pin

Part.no PG307

### Technical characteristics when self-supported

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

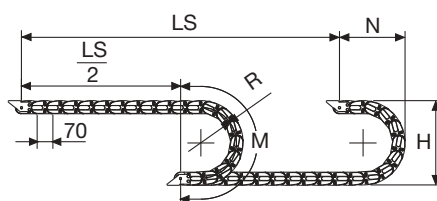
For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 113     | 65      | 75      | 46,5    | 075-090-120-140-170-200-250 | 1,95           | 307E075□□□*          |
| 138     | 65      | 100     | 46,5    | 075-090-120-140-170-200-250 | 2,00           | 307E100□□□*          |
| 188     | 65      | 150     | 46,5    | 075-090-120-140-170-200-250 | 2,15           | 307E150□□□*          |
| 238     | 65      | 200     | 46,5    | 075-090-120-140-170-200-250 | 2,25           | 307E200□□□*          |
| 288     | 65      | 250     | 46,5    | 075-090-120-140-170-200-250 | 2,35           | 307E250□□□*          |
| 338     | 65      | 300     | 46,5    | 075-090-120-140-170-200-250 | 2,50           | 307E300□□□*          |
| C+38    | 65      | .....   | 46,5    | 075-090-120-140-170-200-250 |                | 307E□□□□□**          |

\*Complete the code by inserting the value of the radius (R): Ex. 307E075□□□□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 307E□□□□□□□□

Chain equipped with alu-drawn frames full-pitch: complete the code by inserting the letter D.  
Ex. 307E075120□



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

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

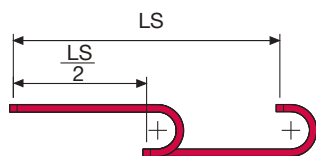
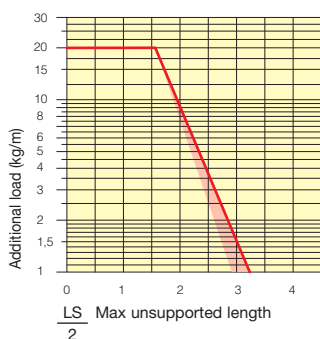
| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 075     | 219     | 180     | 380     |
| 090     | 249     | 195     | 425     |
| 120     | 309     | 225     | 520     |
| 140     | 349     | 245     | 580     |
| 170     | 409     | 275     | 675     |
| 200     | 469     | 305     | 770     |
| 250     | 569     | 355     | 930     |



Version alu-drawn frames mounted each second 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 alu-drawn 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. Set complete with tiewrap clamps available on request.

### Nylon Type

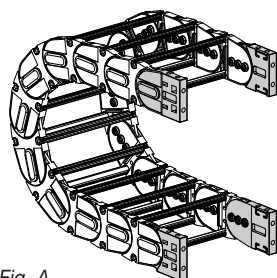


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

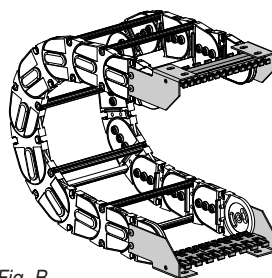
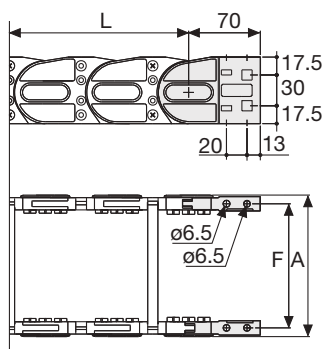


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

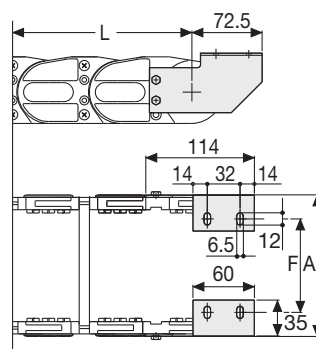


| Chain Type            | F mm |
|-----------------------|------|
| 307E075               | 94   |
| 307E100               | 119  |
| 307E150               | 169  |
| 307E200               | 219  |
| 307E250               | 269  |
| 307E300               | 319  |
| Special widths F=A-19 |      |

### Nylon Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 307E...                | AN307KM      |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 307E...                  | AN307K       |



| Chain Type            | F mm |
|-----------------------|------|
| 307E075               | 64   |
| 307E100               | 89   |
| 307E150               | 139  |
| 307E200               | 189  |
| 307E250               | 239  |
| 307E300               | 289  |
| Special widths F=A-49 |      |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 307E...                | A307EKM□**   |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 307E...                  | A307EK□**    |

#### Tiewrap Clamp

Assembl. SFCT307E□□□\*KM

Unassembl. SFCT307E□□□\*K

\* Inner width (C)

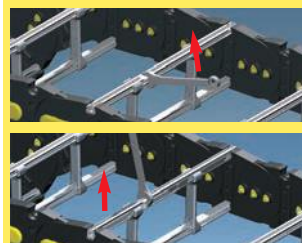
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

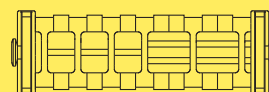
## Serie Heavy

## 307E

Nylon Cable Chain with alu-drawn frames



How to open alu-drawn frames



Supplementary movable separators.

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



For further information please consult Brevetti Stendalto's Technical Office

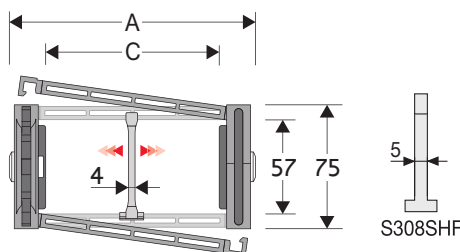
# Serie Heavy

# 308SU

## Nylon Cable Chain with opening frames

### Inner height (D) 57 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Frames opening from inner and outer 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.



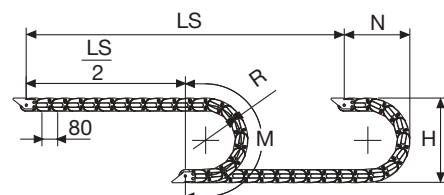
| Separator             |                    |
|-----------------------|--------------------|
| - Unassembled         | Part.no S308C      |
| - Assembled*          | Part.no S308CMCI   |
| - Assembled**         | Part.no S308CMCE   |
| Strong-hold separator |                    |
| for C > 250 mm        |                    |
| - Unassembled         | Part.no S308SHF    |
| - Assembled*          | Part.no S308SHFMC  |
| - Assembled**         | Part.no S308SHFMCE |
| <b>Pin</b>            | Part.no PG308      |

\* for chain opening outer radius  
\*\* for chain opening inner radius

### 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<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 135     | 345     | 255     | 585     |
| 150     | 375     | 270     | 635     |
| 180     | 435     | 300     | 725     |
| 200     | 475     | 320     | 790     |
| 230     | 535     | 350     | 885     |
| 280     | 635     | 400     | 1040    |
| 300     | 675     | 420     | 1105    |
| 400     | 875     | 520     | 1420    |
| 600     | 1275    | 720     | 2045    |

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                             | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------------------|----------------|----------------------|
| 82      | 75      | 38      | 57      | 135-150-180-200-230-280-300-400-600 | 2,46           | 308SU038 □□□ *       |
| 93      | 75      | 49      | 57      | 135-150-180-200-230-280-300-400-600 | 2,46           | 308SU049 □□□ *       |
| 107     | 75      | 63      | 57      | 135-150-180-200-230-280-300-400-600 | 2,51           | 308SU063 □□□ *       |
| 113     | 75      | 69      | 57      | 135-150-180-200-230-280-300-400-600 | 2,53           | 308SU069 □□□ *       |
| 117     | 75      | 73      | 57      | 135-150-180-200-230-280-300-400-600 | 2,54           | 308SU073 □□□ *       |
| 127     | 75      | 83      | 57      | 135-150-180-200-230-280-300-400-600 | 2,56           | 308SU083 □□□ *       |
| 132     | 75      | 88      | 57      | 135-150-180-200-230-280-300-400-600 | 2,56           | 308SU088 □□□ *       |
| 139     | 75      | 95      | 57      | 135-150-180-200-230-280-300-400-600 | 2,58           | 308SU095 □□□ *       |
| 149     | 75      | 105     | 57      | 135-150-180-200-230-280-300-400-600 | 2,59           | 308SU105 □□□ *       |
| 157     | 75      | 113     | 57      | 135-150-180-200-230-280-300-400-600 | 2,62           | 308SU113 □□□ *       |
| 168     | 75      | 124     | 57      | 135-150-180-200-230-280-300-400-600 | 2,65           | 308SU124 □□□ *       |
| 182     | 75      | 138     | 57      | 135-150-180-200-230-280-300-400-600 | 2,67           | 308SU138 □□□ *       |
| 207     | 75      | 163     | 57      | 135-150-180-200-230-280-300-400-600 | 2,73           | 308SU163 □□□ *       |
| 232     | 75      | 188     | 57      | 135-150-180-200-230-280-300-400-600 | 2,79           | 308SU188 □□□ *       |
| 243     | 75      | 199     | 57      | 135-150-180-200-230-280-300-400-600 | 2,81           | 308SU199 □□□ *       |
| 257     | 75      | 213     | 57      | 135-150-180-200-230-280-300-400-600 | 2,84           | 308SU213 □□□ *       |
| 284     | 75      | 240     | 57      | 135-150-180-200-230-280-300-400-600 | 2,90           | 308SU240 □□□ *       |
| 293     | 75      | 249     | 57      | 135-150-180-200-230-280-300-400-600 | 2,92           | 308SU249 □□□ *       |
| 318     | 75      | 274     | 57      | 135-150-180-200-230-280-300-400-600 | 2,99           | 308SU274 □□□ *       |
| 344     | 75      | 300     | 57      | 135-150-180-200-230-280-300-400-600 | 3,02           | 308SU300 □□□ *       |
| 366     | 75      | 322     | 57      | 135-150-180-200-230-280-300-400-600 | 3,07           | 308SU322 □□□ *       |
| 394     | 75      | 350     | 57      | 135-150-180-200-230-280-300-400-600 | 3,13           | 308SU350 □□□ *       |

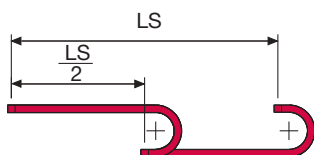
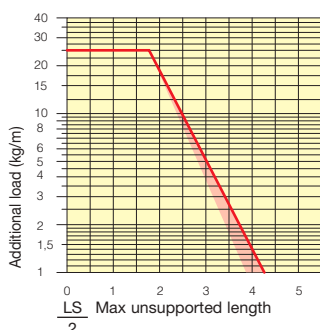
\*Complete the code by inserting the value of the radius (R): Ex. 308SU105 □□□ □  
Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 308SU105150 □



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. Set complete with tiewrap clamps available on request.

### Nylon Type

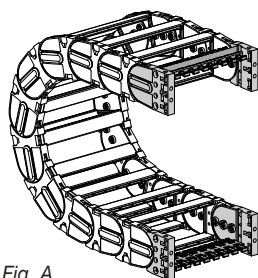
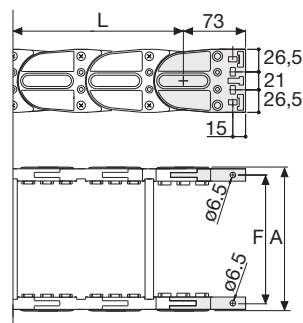


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 308SU038   | 62   |
| 308SU049   | 73   |
| 308SU063   | 87   |
| 308SU069   | 93   |
| 308SU073   | 97   |
| 308SU083   | 107  |
| 308SU088   | 112  |
| 308SU095   | 119  |
| 308SU105   | 129  |
| 308SU113   | 137  |
| 308SU124   | 148  |
| 308SU138   | 162  |
| 308SU163   | 187  |
| 308SU188   | 212  |
| 308SU199   | 223  |
| 308SU213   | 237  |
| 308SU240   | 264  |
| 308SU249   | 273  |
| 308SU274   | 298  |
| 308SU300   | 324  |
| 308SU322   | 346  |
| 308SU350   | 374  |

### Nylon Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 308SU...               | AN308SKM     |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 308SU...                 | AN308SK      |

| Tiewrap Clamp            |
|--------------------------|
| Assembl. CFC308S □□□*KM  |
| Unassembl. CFC308S □□□*K |

### Bright Zinc Plated Steel Type\*\*\*

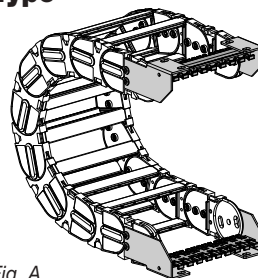
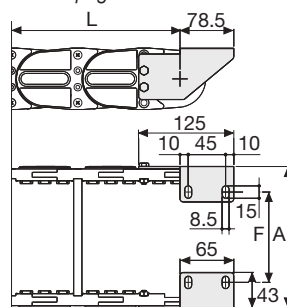


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 308SU038   | -    |
| 308SU049   | 31   |
| 308SU063   | 45   |
| 308SU069   | 51   |
| 308SU073   | 55   |
| 308SU083   | 65   |
| 308SU088   | 70   |
| 308SU095   | 77   |
| 308SU105   | 87   |
| 308SU113   | 95   |
| 308SU124   | 106  |
| 308SU138   | 120  |
| 308SU163   | 145  |
| 308SU188   | 170  |
| 308SU199   | 181  |
| 308SU213   | 195  |
| 308SU240   | 222  |
| 308SU249   | 231  |
| 308SU274   | 256  |
| 308SU300   | 282  |
| 308SU322   | 304  |
| 308SU350   | 332  |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 308SU...               | A308SKM □**  |

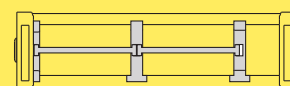
| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 308SU...                 | A308SK □**   |

| Tiewrap Clamp             |
|---------------------------|
| Assembl. SFCT308S □□□*KM  |
| Unassembl. SFCT308S □□□*K |

\* Inner width (C)  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
\*\*\* Available on request in stainless steel

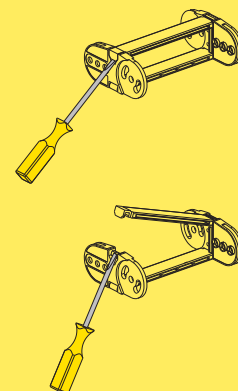
## Serie Heavy

## 308SU Nylon Cable Chain with opening frames



Separation System  
To choose the separators see page. 216

How to open the cover.



### Protection version



Protection version  
see page 152

For further information please consult Brevetti Stendalto's Technical Office



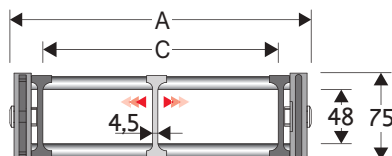
# Serie Heavy

## 308B

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

#### Inner height (D) 48 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 S3000F   |
| - Assembled   | Part.no S3000FMC |

#### Pin

Part.no PG308

#### 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<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 156     | 75      | 100     | 48      | 150-180-200-230-280-300-400 | 2,85           | 308B100□*            |
| 206     | 75      | 150     | 48      | 150-180-200-230-280-300-400 | 3,00           | 308B150□*            |
| 256     | 75      | 200     | 48      | 150-180-200-230-280-300-400 | 3,15           | 308B200□*            |
| 306     | 75      | 250     | 48      | 150-180-200-230-280-300-400 | 3,30           | 308B250□*            |
| 356     | 75      | 300     | 48      | 150-180-200-230-280-300-400 | 3,45           | 308B300□*            |
| C+56    | 75      | .....   | 48      | 150-180-200-230-280-300-400 |                | 308B□□□□**           |

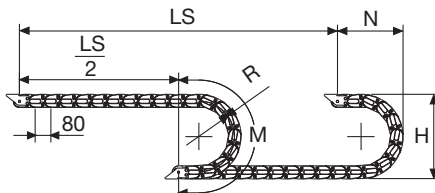
\*Complete the code by inserting the value of the radius (R): Ex. 308B200 □

Where: 1=150; 2=180; 3=200; 4=230; 5=280; 6=400; 7=300

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 308B □ □ □ □ □

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

Ex. 308B2001 □



Length of chain (L)

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

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

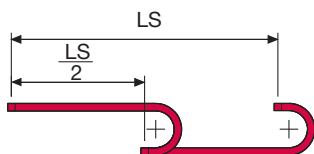
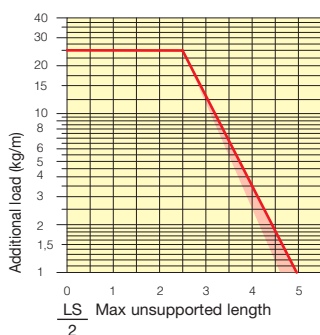
| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 150     | 374     | 270     | 635     |
| 180     | 434     | 300     | 725     |
| 200     | 474     | 320     | 790     |
| 230     | 534     | 350     | 885     |
| 280     | 634     | 400     | 1040    |
| 300     | 675     | 420     | 1105    |
| 400     | 874     | 520     | 1420    |



Version with Alu-rods on every second 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 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. Set complete with tiewrap clamps available on request.

### Nylon Type

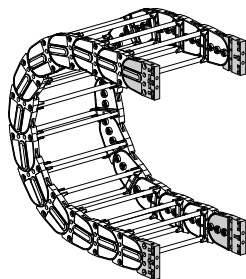


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

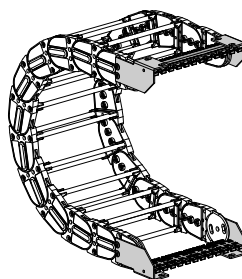
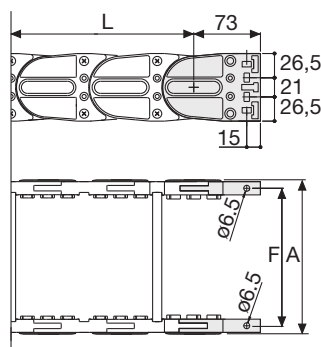


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

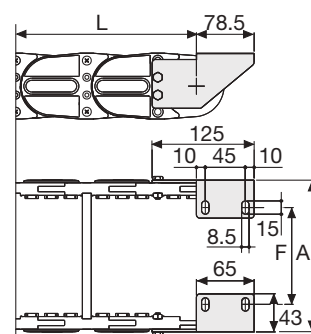


| Chain Type            | F mm |
|-----------------------|------|
| 308B100               | 135  |
| 308B150               | 185  |
| 308B200               | 235  |
| 308B250               | 285  |
| 308B300               | 335  |
| Special widths F=A-21 |      |

### Nylon Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 308B...                           | AN308KM          |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 308B...                             | AN308K           |



| Chain Type            | F mm |
|-----------------------|------|
| 308B100               | 93   |
| 308B150               | 143  |
| 308B200               | 193  |
| 308B250               | 243  |
| 308B300               | 293  |
| Special widths F=A-63 |      |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 308B...                           | A308KM □**       |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 308B...                             | A308K □**        |

### Tiewrap Clamp

Assembl. SFCT308B□□□\*KM

Unassembl. SFCT308B□□□\*K

\* Inner width (C)

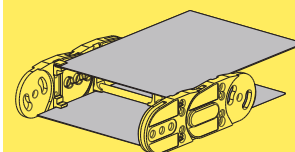
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

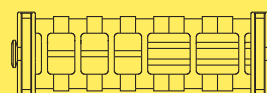
## Serie Heavy

## 308B

Nylon Cable Chain with un-screwable aluminium rods



Steel laminar cover.



Supplementary movable separators.

Special tool to remove the connecting pivots:  
Part Number PZ038.



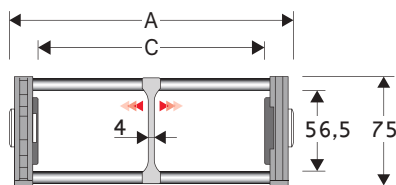
For further information please consult Brevetti Stendalto's Technical Office

# Serie Heavy

## 308E Nylon Cable Chain with alu-drawn frames

### Inner height (D) 56,5 mm

Strong side-bands chain with dovetailed links and triple low friction pins. Alu-drawn frames mounted each second pitch full-pitch frames version available on demand.  
Special C size available on demand.  
Vertical and horizontal separator systems are available.



### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S308EF   |
| - Assembled   | Part.no S308EFMC |

### Pin

Part.no PG308

### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

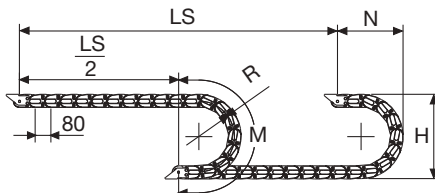
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------------------|----------------|----------------------|
| 144     | 75      | 100     | 56,5    | 135-150-180-200-230-280-300-400 | 2,85           | 308E100□□□*          |
| 194     | 75      | 150     | 56,5    | 135-150-180-200-230-280-300-400 | 2,95           | 308E150□□□*          |
| 244     | 75      | 200     | 56,5    | 135-150-180-200-230-280-300-400 | 3,05           | 308E200□□□*          |
| 294     | 75      | 250     | 56,5    | 135-150-180-200-230-280-300-400 | 3,15           | 308E250□□□*          |
| 344     | 75      | 300     | 56,5    | 135-150-180-200-230-280-300-400 | 3,25           | 308E300□□□*          |
| C+44    | 75      | .....   | 56,5    | 135-150-180-200-230-280-300-400 |                | 308E□□□□□**          |

\*Complete the code by inserting the value of the radius (R): Ex. 308E200□□□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 308E□□□□□

Chain equipped with alu-drawn frames full-pitch: complete the code by inserting the letter D.

Ex. 308E200135□



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

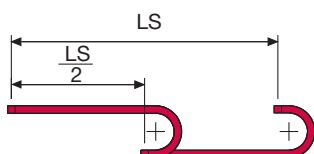
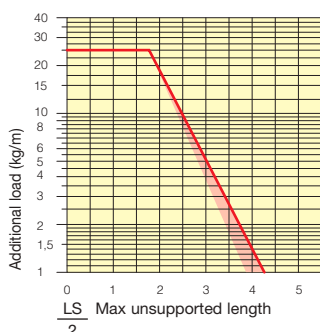
$$L = \frac{LS}{2} + M$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 135     | 345     | 255     | 585     |
| 150     | 375     | 270     | 635     |
| 180     | 435     | 300     | 730     |
| 200     | 475     | 320     | 790     |
| 230     | 535     | 350     | 885     |
| 280     | 635     | 400     | 1040    |
| 300     | 675     | 420     | 1105    |
| 400     | 875     | 520     | 1420    |



## 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 alu-drawn 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. Set complete with tiewrap clamps available on request.

### Nylon Type

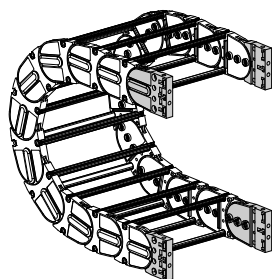


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

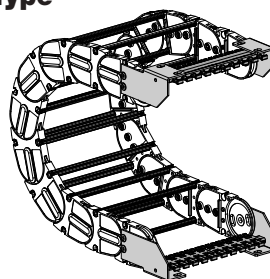
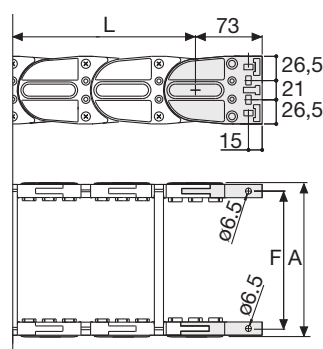


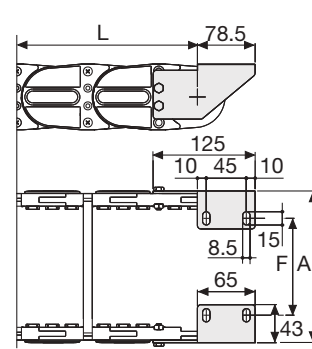
Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type            | F mm |
|-----------------------|------|
| 308E100               | 123  |
| 308E150               | 173  |
| 308E200               | 223  |
| 308E250               | 273  |
| 308E300               | 323  |
| Special widths F=A-20 |      |

### Nylon Type Part Numbers

| Complete Set Assembled   |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 308E...                  | AN308KM          |
| Complete Set Unassembled |                  |
| Chain Type               | End Brackets Set |
| 308E...                  | AN308K           |



| Chain Type            | F mm |
|-----------------------|------|
| 308E100               | 81   |
| 308E150               | 131  |
| 308E200               | 181  |
| 308E250               | 231  |
| 308E300               | 281  |
| Special widths F=A-62 |      |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled   |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 308E...                  | A308EKM□**       |
| Complete Set Unassembled |                  |
| Chain Type               | End Brackets Set |
| 308E...                  | A308EK□**        |

#### Tiewrap Clamp

Assembl. SFCT308E□□□\*KM

Unassembl. SFCT308E□□□\*K

\* Inner width (C)

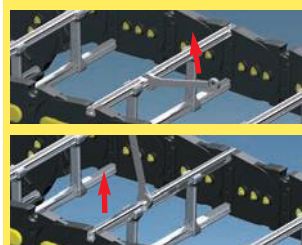
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

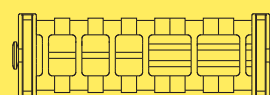
## Serie Heavy

## 308E

Nylon Cable Chain with alu-drawn frames



How to open alu-drawn frames



Supplementary movable separators.

Special tool to remove the connecting pivots:  
Part Number PZ038



For further information please consult Brevetti Stendalto's Technical Office



# Serie Heavy

# 309SU

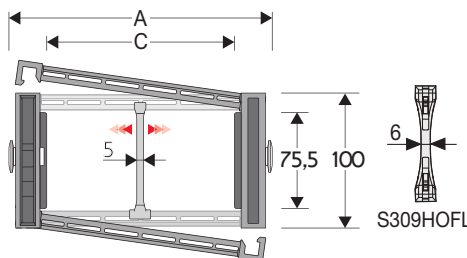
## Nylon Cable Chain with opening frames

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

Strong double share Sideband & Frame construction with large anti-friction triple-pin. Frames opening from inner and outer 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 S309S/3178    |
| - Assembled*  | Part.no S309S/3178MCI |
| - Assembled** | Part.no S309S/3178MCE |

### Strong-hold separator

for C > 250 mm

|               |                    |
|---------------|--------------------|
| - Unassembled | Part.no S309HOFL   |
| - Assembled   | Part.no S309HOFLMC |

### Pin

Part.no PG309H

\* for chain opening outer radius

\*\* for chain opening inner radius

### Technical characteristics when self-supported

Speed 8 m/s

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

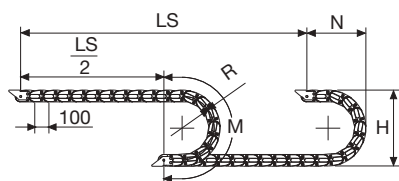
For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------------------|----------------|----------------------|
| 117     | 100     | 64      | 75,5    | 150-200-250-300-350-400-500-600 | 4,03           | 309SU064□□□*         |
| 137     | 100     | 84      | 75,5    | 150-200-250-300-350-400-500-600 | 4,09           | 309SU084□□□*         |
| 162     | 100     | 109     | 75,5    | 150-200-250-300-350-400-500-600 | 4,17           | 309SU109□□□*         |
| 169     | 100     | 116     | 75,5    | 150-200-250-300-350-400-500-600 | 4,20           | 309SU116□□□*         |
| 192     | 100     | 139     | 75,5    | 150-200-250-300-350-400-500-600 | 4,27           | 309SU139□□□*         |
| 232     | 100     | 179     | 75,5    | 150-200-250-300-350-400-500-600 | 4,40           | 309SU179□□□*         |
| 267     | 100     | 214     | 75,5    | 150-200-250-300-350-400-500-600 | 4,51           | 309SU214□□□*         |
| 293     | 100     | 240     | 75,5    | 150-200-250-300-350-400-500-600 | 4,60           | 309SU240□□□*         |
| 317     | 100     | 264     | 75,5    | 150-200-250-300-350-400-500-600 | 4,67           | 309SU264□□□*         |
| 343     | 100     | 290     | 75,5    | 150-200-250-300-350-400-500-600 | 4,75           | 309SU290□□□*         |
| 367     | 100     | 314     | 75,5    | 150-200-250-300-350-400-500-600 | 4,83           | 309SU314□□□*         |
| 393     | 100     | 340     | 75,5    | 150-200-250-300-350-400-500-600 | 4,90           | 309SU340□□□*         |
| 417     | 100     | 364     | 75,5    | 150-200-250-300-350-400-500-600 | 4,99           | 309SU364□□□*         |
| 472     | 100     | 419     | 75,5    | 150-200-250-300-350-400-500-600 | 5,20           | 309SU419□□□*         |
| 541     | 100     | 488     | 75,5    | 150-200-250-300-350-400-500-600 | 5,40           | 309SU488□□□*         |

\*Complete the code by inserting the value of the radius (R): Ex. 309SU116 □ □ □

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

Ex. 309SU116250 □



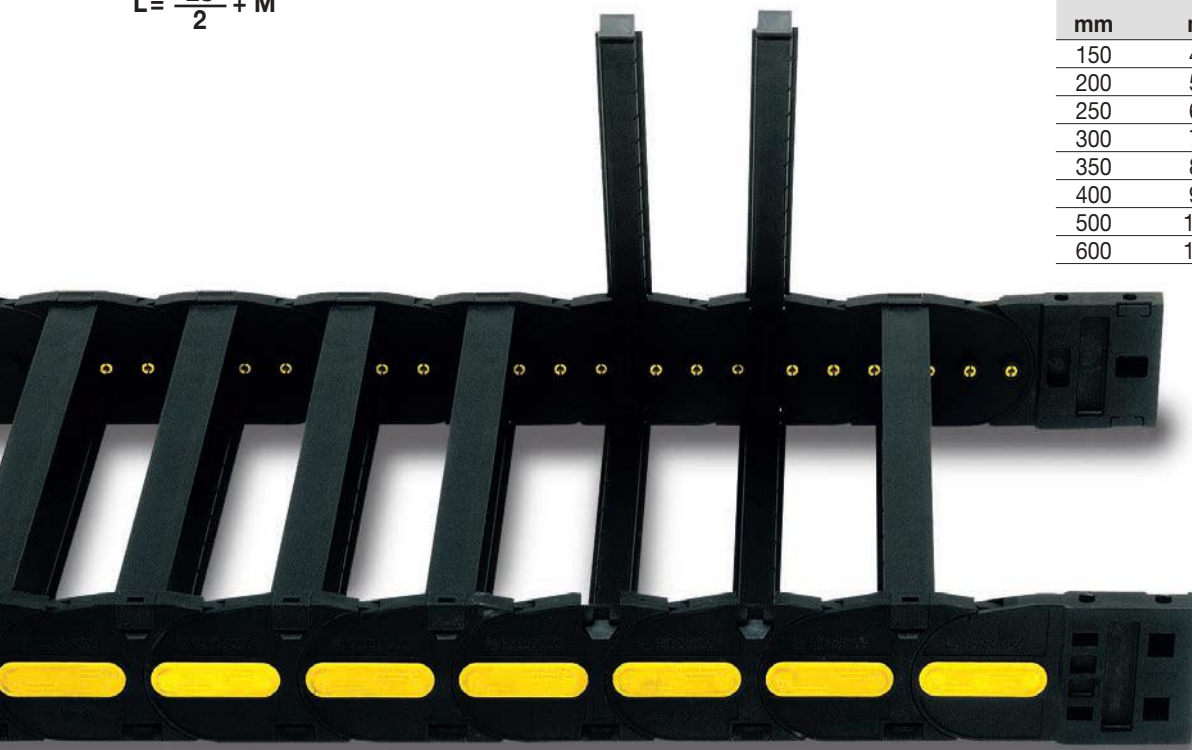
Length of chain (L)

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

plus length of curve (M)

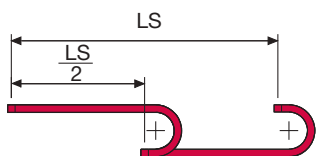
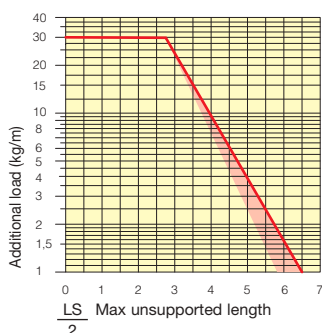
$$L = \frac{LS}{2} + M$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 150     | 406     | 300     | 675     |
| 200     | 506     | 350     | 830     |
| 250     | 606     | 400     | 985     |
| 300     | 706     | 455     | 1145    |
| 350     | 806     | 500     | 1300    |
| 400     | 906     | 555     | 1460    |
| 500     | 1106    | 650     | 1770    |
| 600     | 1306    | 750     | 2085    |



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

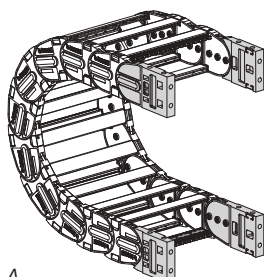
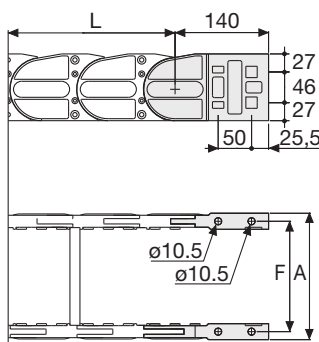


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 309SU064   | 92   |
| 309SU084   | 112  |
| 309SU109   | 137  |
| 309SU116   | 144  |
| 309SU139   | 167  |
| 309SU179   | 207  |
| 309SU214   | 242  |
| 309SU240   | 268  |
| 309SU264   | 292  |
| 309SU290   | 318  |
| 309SU314   | 342  |
| 309SU340   | 368  |
| 309SU364   | 392  |
| 309SU419   | 447  |
| 309SU488   | 516  |

### Nylon Type Part Numbers

| Complete Set Assembled Chain | End Brackets Set |
|------------------------------|------------------|
| 309SU...                     | AN309KM          |

| Complete Set Unassembled Chain | End Brackets Set |
|--------------------------------|------------------|
| 309SU...                       | AN309K           |

| Tiewrap Clamp            |
|--------------------------|
| Assembl. CFC309S □□□*KM  |
| Unassembl. CFC309S □□□*K |

### Bright Zinc Plated Steel Type\*\*\*

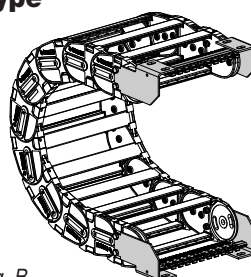
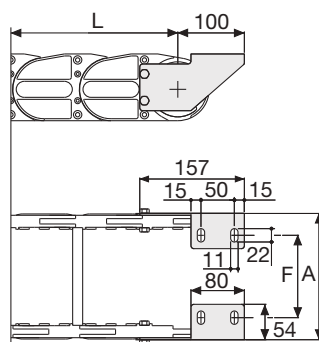


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 309SU064   | 50   |
| 309SU084   | 70   |
| 309SU109   | 95   |
| 309SU116   | 102  |
| 309SU139   | 125  |
| 309SU179   | 165  |
| 309SU214   | 200  |
| 309SU240   | 226  |
| 309SU264   | 250  |
| 309SU290   | 276  |
| 309SU314   | 300  |
| 309SU340   | 326  |
| 309SU364   | 350  |
| 309SU419   | 405  |
| 309SU488   | 474  |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled Chain | End Brackets Set |
|------------------------------|------------------|
| 309SU...                     | A309SKM □**      |

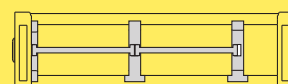
| Complete Set Unassembled Chain | End Brackets Set |
|--------------------------------|------------------|
| 309SU...                       | A309SK □**       |

| Tiewrap Clamp             |
|---------------------------|
| Assembl. SFCT309S □□□*KM  |
| Unassembl. SFCT309S □□□*K |

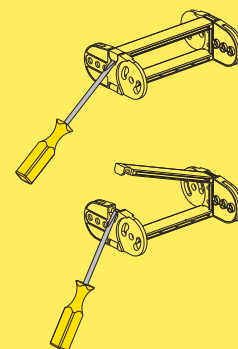
\* Inner width (C)  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
\*\*\* Available on request in stainless steel

## Serie Heavy

## 309SU Nylon Cable Chain with opening frames



Separation System  
To choose the separators see page. 216



How to open the cover.

### Protection version



Protection version  
see page 156

For further information please consult Brevetti Stendalto's Technical Office

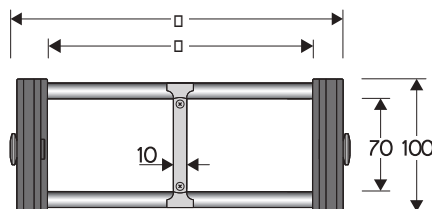
# Serie Heavy

## 309B

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

#### Inner height (D) 70 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 S309C   |
| - Assembled   | Part.no S309CMC |

#### Pin

Part.no PG309H

#### 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<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------------------|----------------|----------------------|
| 153     | 100     | 100     | 70      | 150-200-250-300-350-400-500-600 | 4,20           | 309B100 □ *          |
| 203     | 100     | 150     | 70      | 150-200-250-300-350-400-500-600 | 4,40           | 309B150 □ *          |
| 253     | 100     | 200     | 70      | 150-200-250-300-350-400-500-600 | 4,55           | 309B200 □ *          |
| 303     | 100     | 250     | 70      | 150-200-250-300-350-400-500-600 | 4,70           | 309B250 □ *          |
| 353     | 100     | 300     | 70      | 150-200-250-300-350-400-500-600 | 4,85           | 309B300 □ *          |
| 453     | 100     | 400     | 70      | 150-200-250-300-350-400-500-600 | 5,20           | 309B400 □ *          |
| C+53    | 100     | .....   | 70      | 150-200-250-300-350-400-500-600 |                | 309B □ □ □ □ **      |

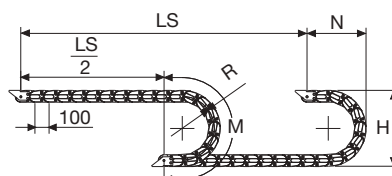
\*Complete the code by inserting the value of the radius (R): Ex. 309B150 □

Where: 1=150 2=200; 3=250; 4=300; 5=350; 6=400; 7=500; 8=600

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 309B □ □ □ □

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

Ex. 309B1502 □



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

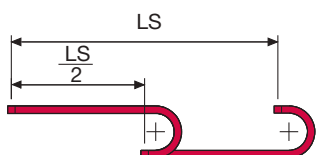
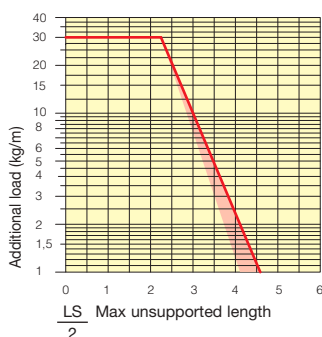
$$L = \frac{LS}{2} + M$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 150     | 406     | 300     | 675     |
| 200     | 506     | 350     | 830     |
| 250     | 606     | 400     | 985     |
| 300     | 706     | 455     | 1145    |
| 350     | 806     | 500     | 1300    |
| 400     | 906     | 555     | 1460    |
| 500     | 1106    | 650     | 1770    |
| 600     | 1306    | 750     | 2085    |



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

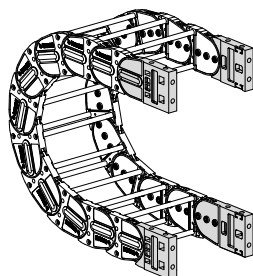


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

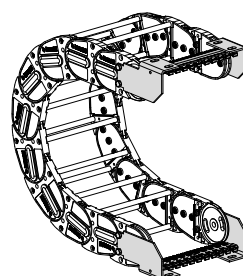
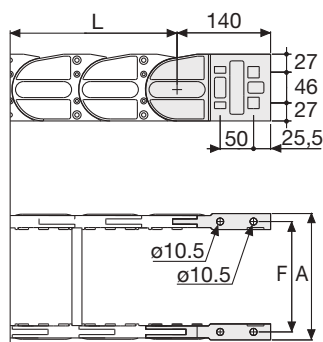


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

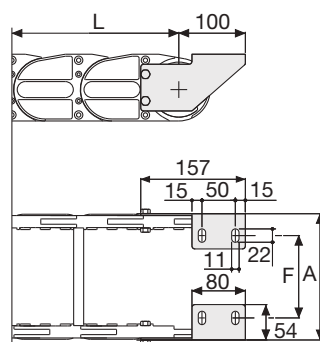


| Chain Type            | F mm |
|-----------------------|------|
| 309B100               | 129  |
| 309B150               | 179  |
| 309B200               | 229  |
| 309B250               | 279  |
| 309B300               | 329  |
| 309B400               | 429  |
| Special widths F=A-24 |      |

### Nylon Type Part Numbers

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 309B...                | AN309KM          |

| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 309B...                  | AN309K           |



| Chain Type            | F mm |
|-----------------------|------|
| 309B100               | 87   |
| 309B150               | 137  |
| 309B200               | 187  |
| 309B250               | 237  |
| 309B300               | 287  |
| 309B400               | 387  |
| Special widths F=A-66 |      |

### Bright Zinc Plated Steel Type Part Numbers

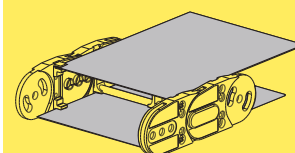
| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 309B...                | A309KM □**       |

| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 309B...                  | A309K □**        |

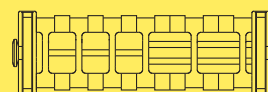
**Tiewrap Clamp**  
 Assembl. SFCT309B □□□ \*KM  
 Unassembl. SFCT309B □□□ \*K  
 \* Inner width (C)  
 \*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
 \*\*\* Available on request in stainless steel

## Serie Heavy

## 309B Nylon Cable Chain with un-screwable aluminium rods



Steel laminar cover.



Supplementary movable separators.

### Version with aluminium draw plates



On request available with aluminium draw plates

Example Part Number:  
309T □□□\* □□□\*\*

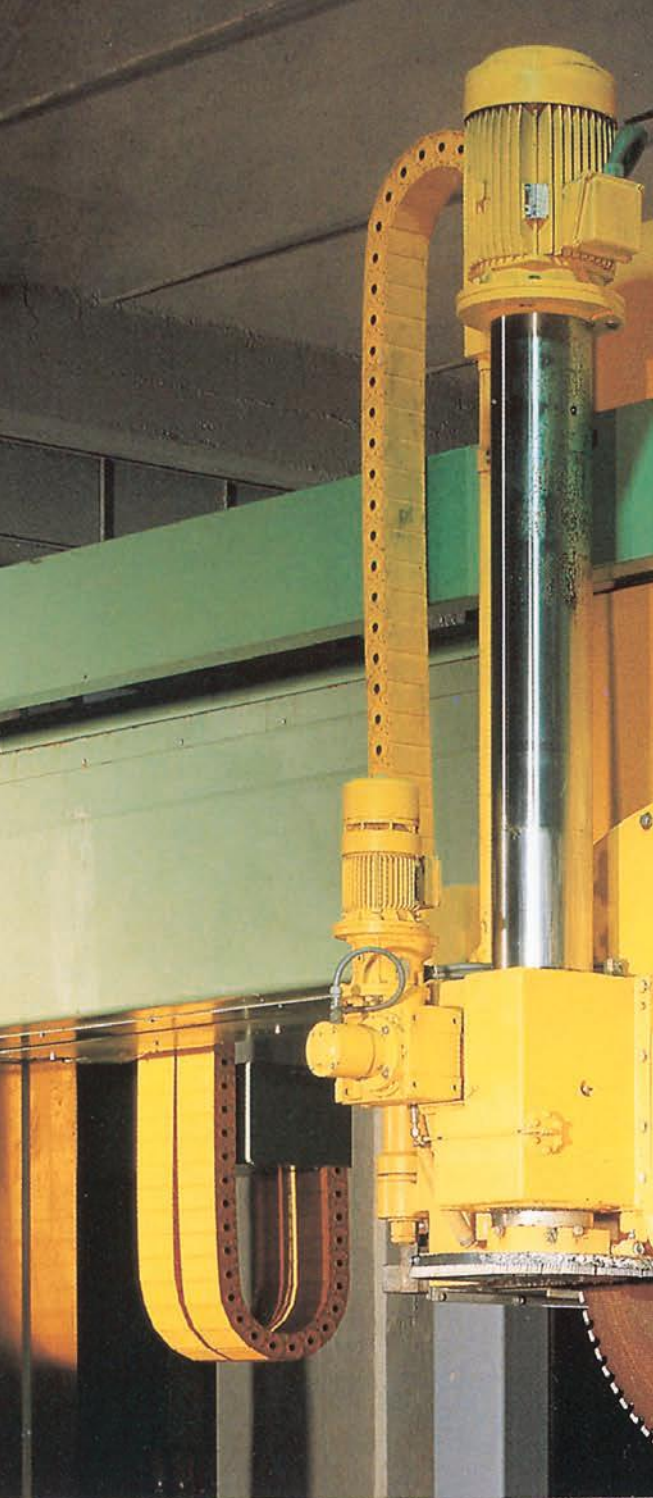
\* Inner width (C)  
 \*\* Bending radius (R)

For further information please consult Brevetti Stendalto's Technical Office

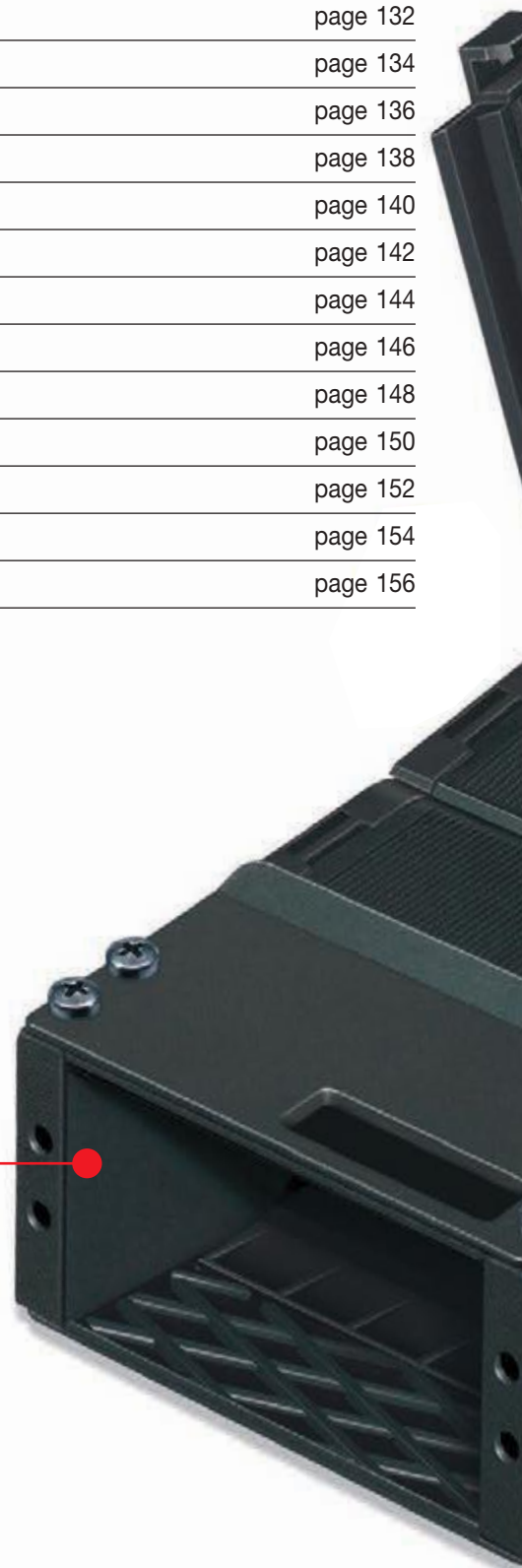


# Nylon Cable Chains Protection Series

|                 |          |
|-----------------|----------|
| H57PC/PN Series | page 126 |
| H80PC/PA Series | page 128 |
| H110PC Series   | page 130 |
| 325PI Series    | page 132 |
| 335PS Series    | page 134 |
| 435PU Series    | page 136 |
| 445PU Series    | page 138 |
| 445PS Series    | page 140 |
| 445AU Series    | page 142 |
| 475PU Series    | page 144 |
| 660 Series      | page 146 |
| 770 Series      | page 148 |
| 306CU Series    | page 150 |
| 308CU Series    | page 152 |
| 309C Series     | page 154 |
| 309CU Series    | page 156 |



*Special End Brackets on  
moving end of chain*







Quickly removable covers with a “Snap-Fit” action

Completely enclosed design to protect chain contents from steel and wood chips, dust, etc.

Inner surface of chain completely smooth

Nylon separator cables can be laid apart from each other

Connecting Pivot Pin which offers high integrity in high performance applications

4

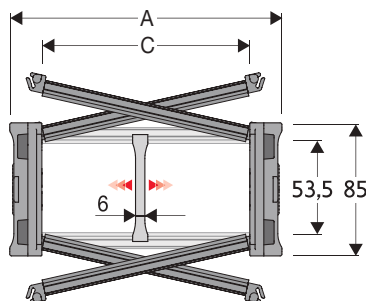
## Serie Protection

# H57PC - H57PA

## Nylon chain with opening aluminium or nylon covers

### Inner height (D) 53,5 mm

Sideband construction with quickly removable pin.  
Covers openable from either side on both inner and outer radius.  
Vertical and horizontal modular separator system are available.  
H57PA/PL new version with Snap Pin.



### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S57UA    |
| - Assembled*  | Part.no S57UAMCI |
| - Assembled** | Part.no S57UAMCE |

### Pin

|            |                 |
|------------|-----------------|
| - H57PC/PN | Part.no PNH57RS |
| - H57PA/PL | Part.no PNH57S  |

\* for chain opening outer radius

\*\* for chain opening inner radius

### Technical characteristics when self-supported

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

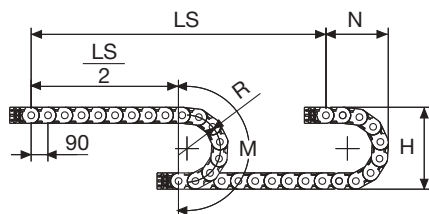
For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 113     | 85      | 75      | 53,5    | 180-200-250-300-350-400 | 4,23           | H57P(C/A)075 □□□ *   |
| 138     | 85      | 100     | 53,5    | 180-200-250-300-350-400 | 4,67           | H57P(C/A)100 □□□ *   |
| 163     | 85      | 125     | 53,5    | 180-200-250-300-350-400 | 5,11           | H57P(C/A)125 □□□ *   |
| 188     | 85      | 150     | 53,5    | 180-200-250-300-350-400 | 5,56           | H57P(C/A)150 □□□ *   |
| 213     | 85      | 175     | 53,5    | 180-200-250-300-350-400 | 6,00           | H57P(C/A)175 □□□ *   |
| 238     | 85      | 200     | 53,5    | 180-200-250-300-350-400 | 6,43           | H57P(C/A)200 □□□ *   |
| 263     | 85      | 225     | 53,5    | 180-200-250-300-350-400 | 6,88           | H57P(C/A)225 □□□ *   |
| 288     | 85      | 250     | 53,5    | 180-200-250-300-350-400 | 7,32           | H57P(C/A)250 □□□ *   |
| 313     | 85      | 275     | 53,5    | 180-200-250-300-350-400 | 7,77           | H57P(C/A)275 □□□ *   |
| 338     | 85      | 300     | 53,5    | 180-200-250-300-350-400 | 8,21           | H57P(C/A)300 □□□ *   |
| 388     | 85      | 350     | 53,5    | 180-200-250-300-350-400 | 9,09           | H57P(C/A)350 □□□ *   |
| 438     | 85      | 400     | 53,5    | 180-200-250-300-350-400 | 9,98           | H57P(C/A)400 □□□ *   |

\*Complete the code by inserting the value of the radius (R): Ex. H57PC100 □□□ □

4

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.



### Separator

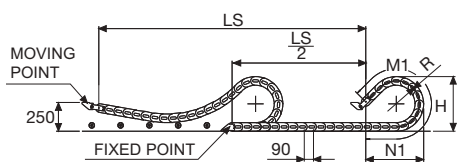
|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S57CF3    |
| - Assembled*  | Part.no S57CF3MCI |
| - Assembled** | Part.no S57CF3MCE |

\* for chain opening outer radius

\*\* for chain opening inner radius

## H57PN - H57PL

### Nylon covers version



| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 188     | 85      | 150     | 57      | 150-180-200-250-300-350-400 | 4,47           | H57(P/LP)N150 □□□ *  |
| 238     | 85      | 200     | 57      | 150-180-200-250-300-350-400 | 4,92           | H57P(LP)N200 □□□ *   |
| 288     | 85      | 250     | 57      | 150-180-200-250-300-350-400 | 5,45           | H57P(LP)N250 □□□ *   |

\*Complete the code by inserting the value of the radius (R): Ex. H57PN188 □□□ □

\*\*H57PN with R 150: not to be used in sliding applications.

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<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 150**   | 385     | 283     | 655     | -        | -        |
| 180     | 445     | 430     | 750     | 705      | 1570     |
| 200     | 485     | 480     | 810     | 805      | 1795     |
| 250     | 585     | 530     | 970     | 1040     | 2350     |
| 300     | 685     | 580     | 1125    | 1275     | 2905     |
| 350     | 785     | 680     | 1280    | 1510     | 3460     |
| 400     | 885     | 780     | 1440    | 1750     | 4020     |



(H57PC,  
H57PN)



(H57PA,  
H57PL)

Snap pin



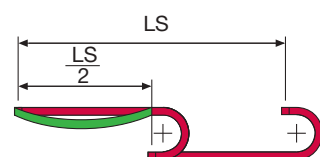
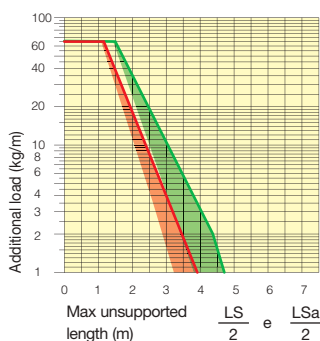
**H57PN**  
Nylon cover



**H57PC**  
Aluminium cover

## Self-Supporting Capacity Diagram

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



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

Red for self-supporting chain, green for chain in admissible sagging.

For applications with ( $\frac{LS}{2}$ ) and weights not included in the diagram of 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 version

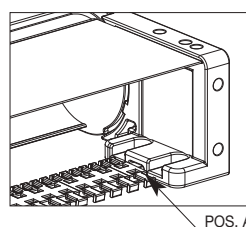
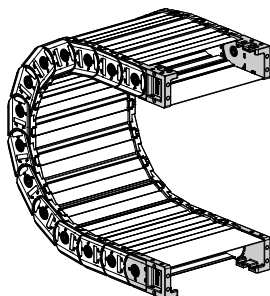
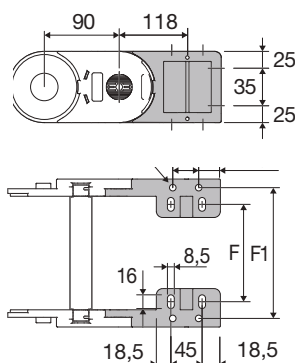


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| H57P...075 | 51   |
| H57P...100 | 76   |
| H57P...125 | 101  |
| H57P...150 | 126  |
| H57P...175 | 151  |
| H57P...200 | 176  |
| H57P...225 | 201  |
| H57P...250 | 226  |
| H57P...275 | 251  |
| H57P...300 | 276  |
| H57P...350 | 326  |
| H57P...400 | 376  |

### Nylon Type Part Numbers

| Chain Type  | End Brackets Set |
|-------------|------------------|
| H57PN/PC... | ANH57KM□**       |
| H57PA/PL... | ANH57LKM□**      |

| Chain Type  | End Brackets Set |
|-------------|------------------|
| H57PN/PC... | ANH57K           |
| H57PA/PL... | ANH57L           |

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

| Chain Type | F1 mm |
|------------|-------|
| H57P...075 | 98    |
| H57P...100 | 123   |
| H57P...125 | 148   |
| H57P...150 | 173   |
| H57P...175 | 198   |
| H57P...200 | 223   |
| H57P...225 | 248   |
| H57P...250 | 273   |
| H57P...275 | 298   |
| H57P...300 | 323   |
| H57P...350 | 373   |
| H57P...400 | 423   |

### Tiewrap Clamp

| Complete Set Assembled Mounting Position | Tiewrap Clamp set |
|------------------------------------------|-------------------|
| Pos. A                                   | SFCTH57□□□*KMA    |

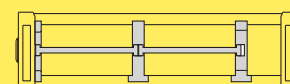
| Complete Set Unassembled Mounting Position | Tiewrap Clamp set |
|--------------------------------------------|-------------------|
| Pos. A                                     | SFCTH57□□□*KA     |

\* Inner Width C

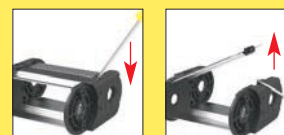
## Serie Protection

### H57P

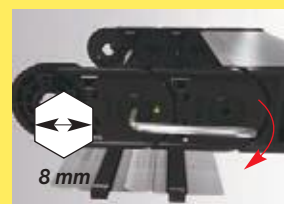
Nylon chain with opening aluminium covers



Separation System  
To choose the separators see page. 216



How to open the cover



Easy opening of the pin junction.  
(H57PC - H57PN)

Special tool for the opening of the pin.  
(H57LPC - H57LPN)



Cod. PZ011



Suitable to long travel distance.  
See page 182

For further information please consult Brevetti Stendalto's Technical Office



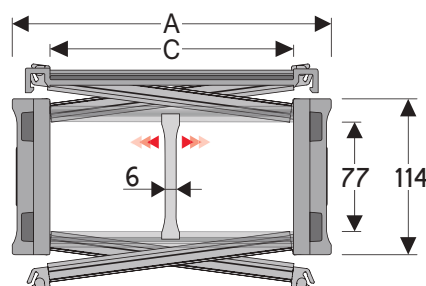
# Serie Protection

## H80PC

### Nylon chain with aluminium covers

#### Inner height (D) 77 mm

Sideband construction with quickly removable pin. Covers openable from either side on both inner and outer radius. Vertical and horizontal modular separator system are available.



#### Separator

|               |                     |
|---------------|---------------------|
| - Unassembled | Part.no SH80SCF6    |
| - Assembled*  | Part.no SH80SCF6MCI |
| - Assembled** | Part.no SH80SCF6MCE |

\* for chain opening outer radius

\*\* for chain opening inner radius

#### Technical characteristics when self-supported

Speed 8 m/s

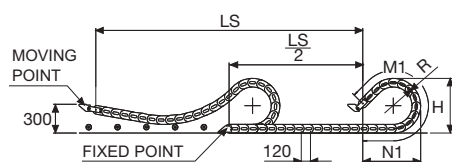
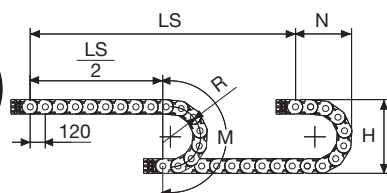
Acceleration 40 m/s<sup>2</sup>

For higher requirements please consult our technical dept.

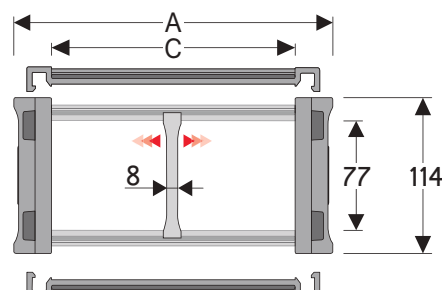
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 205     | 114     | 150     | 77      | 200-250-300-350-400-500-600 | 8,51           | H80PC150 □□□*        |
| 230     | 114     | 175     | 77      | 200-250-300-350-400-500-600 | 8,98           | H80PC175 □□□*        |
| 255     | 114     | 200     | 77      | 200-250-300-350-400-500-600 | 9,44           | H80PC200 □□□*        |
| 280     | 114     | 225     | 77      | 200-250-300-350-400-500-600 | 9,91           | H80PC225 □□□*        |
| 305     | 114     | 250     | 77      | 200-250-300-350-400-500-600 | 10,38          | H80PC250 □□□*        |
| 330     | 114     | 275     | 77      | 200-250-300-350-400-500-600 | 10,83          | H80PC275 □□□*        |
| 355     | 114     | 300     | 77      | 200-250-300-350-400-500-600 | 11,27          | H80PC300 □□□*        |
| 380     | 114     | 325     | 77      | 200-250-300-350-400-500-600 | 11,77          | H80PC325 □□□*        |
| 405     | 114     | 350     | 77      | 200-250-300-350-400-500-600 | 12,26          | H80PC350 □□□*        |
| 430     | 114     | 375     | 77      | 200-250-300-350-400-500-600 | 12,74          | H80PC375 □□□*        |
| 485     | 114     | 430     | 77      | 200-250-300-350-400-500-600 | 13,79          | H80PC430 □□□*        |
| 555     | 114     | 500     | 77      | 200-250-300-350-400-500-600 | 15,15          | H80PC500 □□□*        |

\*Complete the code by inserting the value of the radius (R): Ex. H80PC150 [2][5][0]

4



For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.



#### Separator

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S80F    |
| - Assembled*  | Part.no S80FMCI |
| - Assembled** | Part.no S80FMCE |

#### Pin

Cod. PNH80RS

\* for chain opening outer radius

\*\* for chain opening inner radius

| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 200     | 514     | 377     | 870     | 810      | 1775     |
| 250     | 614     | 427     | 1030    | 1050     | 2330     |
| 300     | 714     | 477     | 1185    | 1285     | 2885     |
| 350     | 814     | 527     | 1340    | 1525     | 3445     |
| 400     | 914     | 577     | 1500    | 1760     | 4000     |
| 500     | 1114    | 677     | 1815    | 2235     | 5115     |
| 600     | 1314    | 777     | 2125    | 2705     | 6225     |

## H80PA

### Version with openable covers by both sides

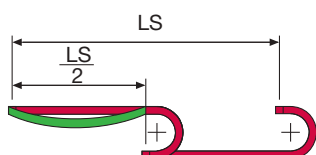
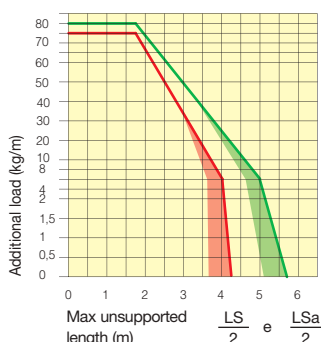
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 129     | 114     | 74      | 77      | 200-250-300-350-400-500-600 | 6,78           | H80PA074 □□□*        |
| 149     | 114     | 94      | 77      | 200-250-300-350-400-500-600 | 7,18           | H80PA094 □□□*        |
| 174     | 114     | 119     | 77      | 200-250-300-350-400-500-600 | 7,61           | H80PA119 □□□*        |
| 181     | 114     | 126     | 77      | 200-250-300-350-400-500-600 | 7,74           | H80PA126 □□□*        |

\*Complete the code by inserting the value of the radius (R): Ex. H80PA119 [2][5][0]



## Self-Supporting Capacity Diagram

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



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

Red for self-supporting chain, green for chain in admissible sagging.

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

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

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

## 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 Version

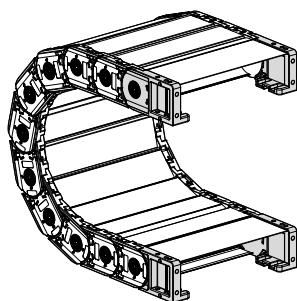
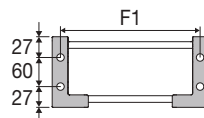
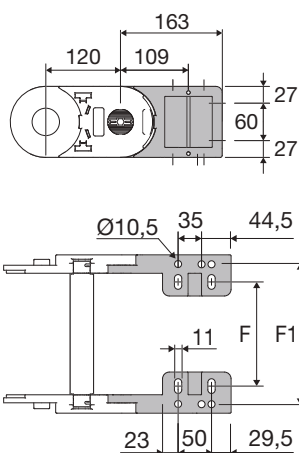
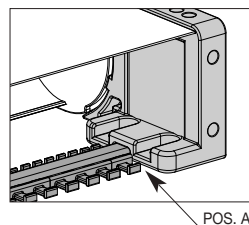


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm | F1 mm |
|------------|------|-------|
| H80PC150   | 124  | 177,5 |
| H80PC175   | 149  | 202,5 |
| H80PC200   | 174  | 227,5 |
| H80PC225   | 199  | 252,5 |
| H80PC250   | 224  | 277,5 |
| H80PC275   | 249  | 302,5 |
| H80PC300   | 274  | 327,5 |
| H80PC325   | 299  | 352,5 |
| H80PC350   | 324  | 377,5 |
| H80PC375   | 349  | 402,5 |
| H80PC430   | 404  | 457,5 |
| H80PC500   | 474  | 527,5 |
| H80PA074   | 48   | 101,5 |
| H80PA094   | 68   | 121,5 |
| H80PA119   | 93   | 146,5 |
| H80PA126   | 100  | 153,5 |

## Nylon Type Part Numbers

| Complete Set Assembled Chain | End Brackets Set |
|------------------------------|------------------|
| Type                         | Set              |
| H80PC                        | ANH80P□□□*KM□**  |

| Complete Set Unassembled Chain | End Brackets Set |
|--------------------------------|------------------|
| Type                           | Set              |
| H80PC                          | ANH80P□□□*K      |

\* Inner width C

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

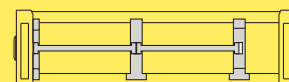
## Tiewrap Clamp

| Pos. A                                     | Part Number    |
|--------------------------------------------|----------------|
| Assembled                                  | SFCTH80□□□*KMA |
| Unassembled                                | SFCTH80□□□*KA  |
| * Inner width C                            |                |
| ** Not available for quote C 074 and C 094 |                |

## Serie Protection

### H80PC

Nylon chain with aluminium covers



Separation System  
To choose the separators see page. 216



How to open the cover



Easy opening of the pin junction.

Allen key for the opening of the pin



10 mm



Suitable to long travel distance. See page 184

For further information please consult Brevetti Stendalto's Technical Office

## Serie Protection

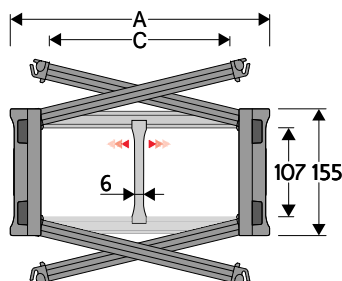
# H110PC

## Nylon chain with opening aluminium covers

### Inner height (D) 107 mm

Sideband construction with quickly removable pin.

Covers openable from either side on both inner and outer radius. Vertical and horizontal modular separator system are available.



### Separator

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S110F3    |
| - Assembled*  | Part.no S110F3MCI |
| - Assembled** | Part.no S110F3MCE |

### Pin

Part.no PNH110RS

\* for chain opening outer radius

\*\* for chain opening inner radius

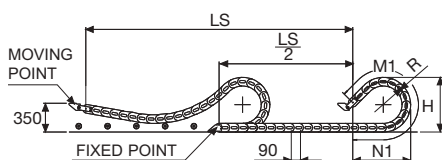
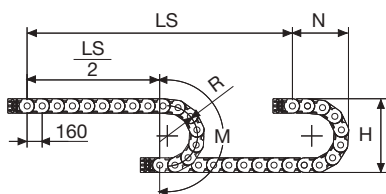
### Technical characteristics when self-supported

Speed 10 m/s

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

For higher requirements please consult our technical dept.

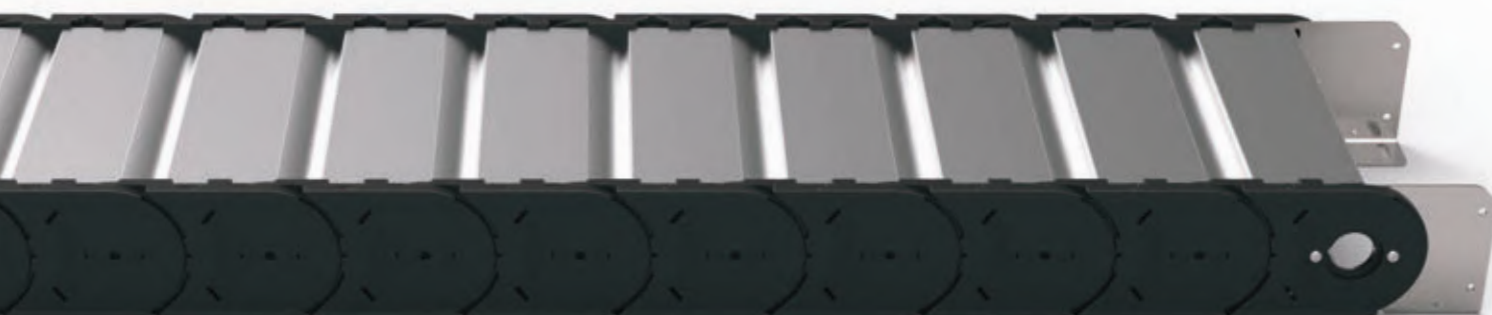
For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.



| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 205     | 155     | 150     | 107     | 250-300-400-500-600-700-750 | 11,06          | <b>110PC150</b> □□□* |
| 230     | 155     | 175     | 107     | 250-300-400-500-600-700-750 | 11,59          | <b>110PC175</b> □□□* |
| 255     | 155     | 200     | 107     | 250-300-400-500-600-700-750 | 12,11          | <b>110PC200</b> □□□* |
| 280     | 155     | 225     | 107     | 250-300-400-500-600-700-750 | 12,63          | <b>110PC225</b> □□□* |
| 305     | 155     | 250     | 107     | 250-300-400-500-600-700-750 | 13,16          | <b>110PC250</b> □□□* |
| 330     | 155     | 275     | 107     | 250-300-400-500-600-700-750 | 13,67          | <b>110PC275</b> □□□* |
| 355     | 155     | 300     | 107     | 250-300-400-500-600-700-750 | 14,18          | <b>110PC300</b> □□□* |
| 380     | 155     | 325     | 107     | 250-300-400-500-600-700-750 | 14,73          | <b>110PC325</b> □□□* |
| 405     | 155     | 350     | 107     | 250-300-400-500-600-700-750 | 15,30          | <b>110PC350</b> □□□* |
| 430     | 155     | 375     | 107     | 250-300-400-500-600-700-750 | 15,81          | <b>110PC375</b> □□□* |
| 485     | 155     | 430     | 107     | 250-300-400-500-600-700-750 | 16,98          | <b>110PC430</b> □□□* |
| 555     | 155     | 500     | 107     | 250-300-400-500-600-700-750 | 18,49          | <b>110PC500</b> □□□* |

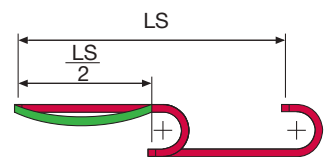
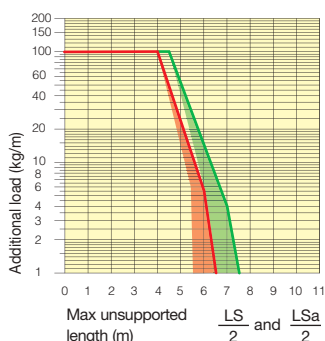
\*Complete the code by inserting the value of the radius (R): Ex. 110PC350 □□□□

| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 250     | 657     | 468     | 1110    | 1095     | 2375     |
| 300     | 757     | 518     | 1265    | 1335     | 2935     |
| 400     | 957     | 618     | 1580    | 1805     | 4045     |
| 500     | 1157    | 718     | 1895    | 2280     | 5160     |
| 600     | 1357    | 818     | 2205    | 2750     | 6270     |
| 700     | 1557    | 918     | 2520    | 3225     | 7385     |
| 750     | 1657    | 968     | 2680    | 3460     | 7940     |



## Self-Supporting Capacity Diagram

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



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

Red for self-supporting chain, green for chain in admissible sagging.

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

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

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

## Bright Zinc Plated Steel 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.

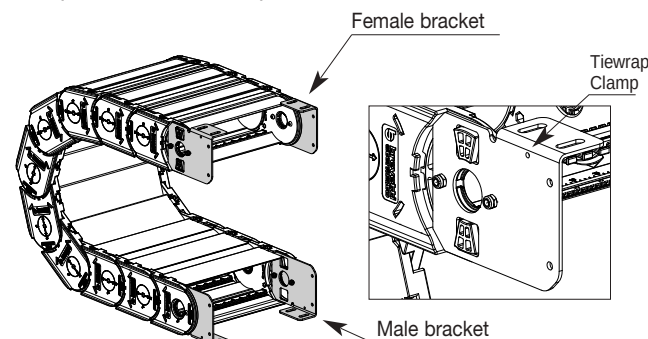
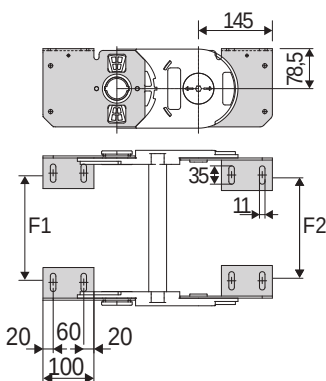


Fig. A  
Chain fixed outside or inside the radius. (Fig A)



| Chain Type     | F1 mm   |
|----------------|---------|
| 110PC150       | 120     |
| 110PC175       | 145     |
| 110PC200       | 170     |
| 110PC225       | 195     |
| 110PC250       | 220     |
| 110PC275       | 245     |
| 110PC300       | 270     |
| 110PC325       | 295     |
| 110PC350       | 320     |
| 110PC375       | 344     |
| 110PC430       | 400     |
| 110PC500       | 470     |
| Special widths | F= C-85 |

| Chain Type     | F2 mm   |
|----------------|---------|
| 110PC150       | 112     |
| 110PC175       | 137     |
| 110PC200       | 162     |
| 110PC225       | 187     |
| 110PC250       | 212     |
| 110PC275       | 237     |
| 110PC300       | 262     |
| 110PC325       | 287     |
| 110PC350       | 312     |
| 110PC375       | 336     |
| 110PC430       | 392     |
| 110PC500       | 462     |
| Special widths | F= C-93 |

## Bright Zinc Plated Steel Type Part Number

| Chain type | End Brackets Set  |
|------------|-------------------|
| 110PC      | A110PC □□□ KM □** |

| Chain type | End Brackets Set |
|------------|------------------|
| 110PC      | A110PC □□□ K □** |

Available on request in stainless steel.

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

See mounting variations page 31

## Tiewrap Clamp kit mounted on female attachment

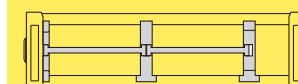
| Part Number               |
|---------------------------|
| Assembled SFCT110□□□*FKM  |
| Unassembled SFCT110□□□*FK |
| * Inner width (C)         |

## Tiewrap Clamp kit mounted on male attachment

| Part Number               |
|---------------------------|
| Assembled SFCT110□□□*MKM  |
| Unassembled SFCT110□□□*MK |
| * Inner width (C)         |

## Serie Protection

### H110PC Nylon chain with opening aluminium covers



Separation System  
To choose the separators see page. 216



How to open the covers



Easy opening of the pin junction.

Allen key for the opening of the pin



Suitable to long travel distance.  
See page 184

For further information please consult Brevetti Stendalto's Technical Office



# Serie Protection

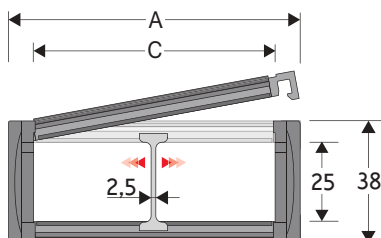
## 325PI Nylon Cable Chain with opening frames

### Inner height (D) 25 mm

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

Frames opening from inner radius.

Vertical separators available.



### Separator

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S325L   |
| - Assembled   | Part.no S325LMC |

### Technical characteristics when self-supported

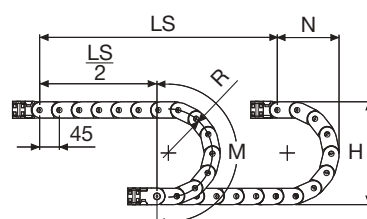
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------|----------------|----------------------|
| 57      | 38      | 40      | 25      | 075-100-125-150 | 1,15           | 325PI040 □□□ *       |
| 77      | 38      | 60      | 25      | 075-100-125-150 | 1,30           | 325PI060 □□□ *       |
| 93      | 38      | 76      | 25      | 075-100-125-150 | 1,40           | 325PI076 □□□ *       |
| 120     | 38      | 103     | 25      | 075-100-125-150 | 1,70           | 325PI103 □□□ *       |

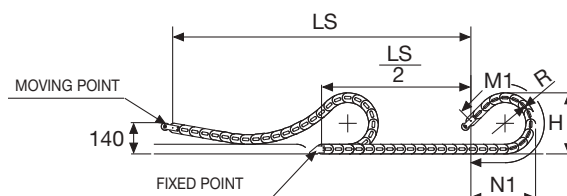
\*Complete the code by inserting the value of the radius (R): Ex. 325PI040 □ □ □ □

For sliding applications, technical data can slightly change according to frequency, added weight and environment.



| R<br>mm | H<br>mm | N<br>mm | M<br>mm | N1<br>mm | M1<br>mm |
|---------|---------|---------|---------|----------|----------|
| 075     | 188     | 140     | 325     | 185      | 420      |
| 100     | 238     | 165     | 405     | 275      | 635      |
| 125     | 288     | 190     | 485     | 360      | 855      |
| 150     | 338     | 215     | 565     | 445      | 1075     |

**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set



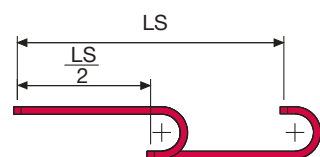
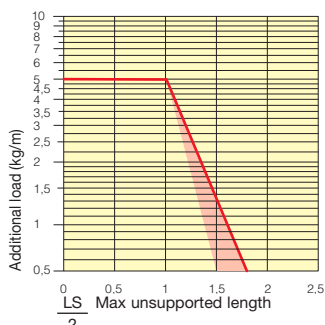
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M) or (M1)

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



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

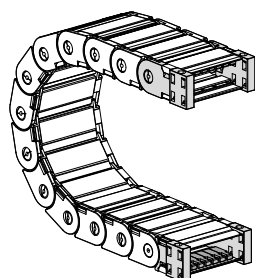


Fig. A  
Chain fixed outside/inside the radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

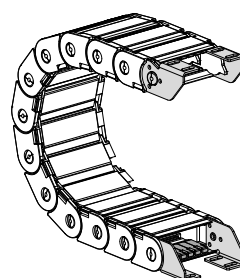
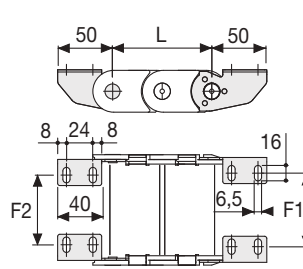
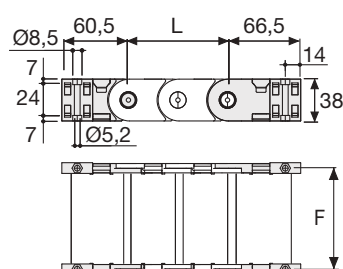


Fig. B  
Chain fixed outside or inside the radius. (Fig B)



| Chain Type  | F mm |
|-------------|------|
| 325PI...040 | 51   |
| 325PI...060 | 71   |
| 325PI...076 | 87   |
| 325PI...103 | 114  |

### Nylon Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 325PI...   | AN325P□□□*KM     |

| Chain Type | End Brackets Set |
|------------|------------------|
| 325PI...   | AN325P□□□*K      |

| Tiewrap Clamp | Part Number    |
|---------------|----------------|
| Assembled     | CFC325L □□□*KM |
| Unassembled   | CFC325L □□□*K  |

| Chain Type  | F2 mm | F1 mm |
|-------------|-------|-------|
| 325PI...040 | 22    | 25,5  |
| 325PI...060 | 42    | 45,5  |
| 325PI...076 | 58    | 61,5  |
| 325PI...103 | 85    | 88,5  |

### Bright Zinc Plated Steel Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 325PI...   | A325LK           |

| Tiewrap Clamp | Part Number    |
|---------------|----------------|
| Assembled     | CFC325L □□□*KM |
| Unassembled   | CFC325L □□□*K  |

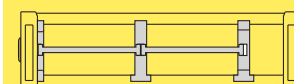
\* Inner width (C)

\*\*\*Available on request in stainless steel

## Serie Protection

### 325PI

Nylon Cable Chain with opening frames



Separation System  
To choose the separators see page. 216



Suitable to long travel distance in frame every pitch version.  
To choose the guide channel see page 60

For further information please consult Brevetti Stendalto's Technical Office

# Serie Protection

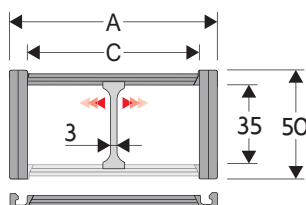
## 335PS

### Nylon cable chain with nylon cover openable to snap

#### Inner height (D) 35 mm

The chain has single link. Nylon cover is opened only on inner radius.

Supplementary movable separators.



#### Separator

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

#### Technical characteristics when self-supported

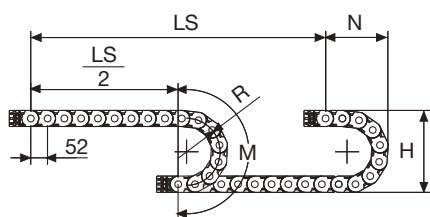
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

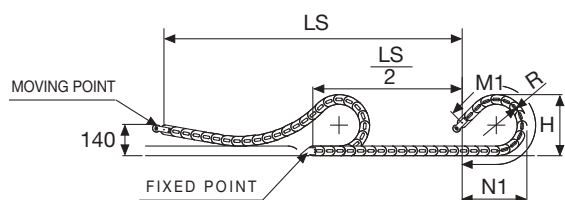
| A     | B  | C   | D  | R               | Weight/m | Chain          |
|-------|----|-----|----|-----------------|----------|----------------|
| mm    | mm | mm  | mm | mm              | kg       | Part Number    |
| 66,5  | 50 | 50  | 35 | 100-125-150-200 | 1,35     | 335PS050 □□□ * |
| 92,5  | 50 | 76  | 35 | 100-125-150-200 | 1,57     | 335PS076 □□□ * |
| 119,5 | 50 | 103 | 35 | 100-125-150-200 | 1,81     | 335PS103 □□□ * |
| 166,5 | 50 | 150 | 35 | 100-125-150-200 | 2,21     | 335PS150 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 335PS050 1 1 1

4



| R   | H   | N   | M   | N1  | M1   |
|-----|-----|-----|-----|-----|------|
| mm  | mm  | mm  | mm  | mm  | mm   |
| 100 | 250 | 204 | 420 | 350 | 790  |
| 125 | 300 | 229 | 500 | 445 | 1025 |
| 150 | 350 | 254 | 580 | 540 | 1260 |
| 200 | 450 | 304 | 735 | 730 | 1725 |



**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

Length of chain (L)

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

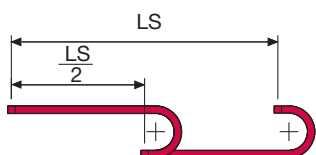
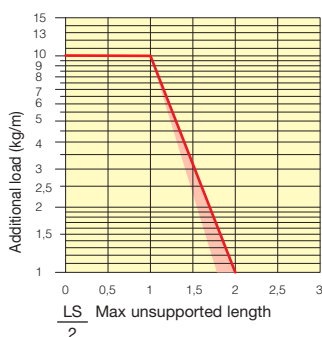
plus length of curve (M) or (M1)

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



## 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.

Set complete with tiewrap clamps available on request.

## Nylon Type

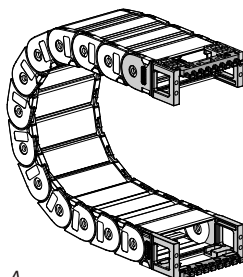
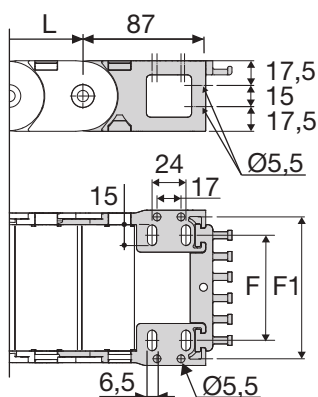


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain type | F mm | F1 mm |
|------------|------|-------|
| 335P...050 | 35   | 61    |
| 335P...076 | 61   | 87    |
| 335P...103 | 88   | 114   |
| 335P...150 | 135  | 161   |

## Nylon Type Part Numbers

| Complete Set Assembled |                 |
|------------------------|-----------------|
| Chain                  | End Brackets    |
| Type                   | Set             |
| 335                    | AN335P□□□*KM□** |

| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 335                      | AN335P□□□*K  |

| Tiewrap Clamp |             |
|---------------|-------------|
|               | Part Number |
| 335           | PFN335□□□*  |

\* Inner width (C)

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

## Serie Protection

## 335PS

Nylon cable chain  
with nylon cover  
openable to snap



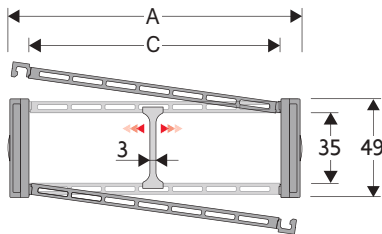
# Serie Protection

## 435PU

### Nylon Protection Cable Chain with opening covers

#### Inner height (D) 35 mm

Sideband & Frame construction with large anti-friction single-pin.  
Vertical separators are available.



| Separator      |                  |
|----------------|------------------|
| - Unassembled  | Part.no S4353    |
| - Assembled*   | Part.no S4353MCI |
| - Assembled**  | Part.no S4353MCE |
| Pin            |                  |
| Part.no PG4353 |                  |

\* for chain opening outer radius  
\*\* for chain opening inner radius

#### Technical characteristics when self-supported

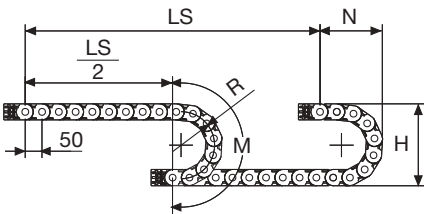
|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A   | B  | C   | D  | R                   | Weight/m | Chain          |
|-----|----|-----|----|---------------------|----------|----------------|
| mm  | mm | mm  | mm | mm                  | kg       | Part Number    |
| 60  | 49 | 40  | 35 | 075-100-125-150-200 | 1,25     | 435PU040 □□□ * |
| 70  | 49 | 50  | 35 | 075-100-125-150-200 | 1,40     | 435PU050 □□□ * |
| 80  | 49 | 60  | 35 | 075-100-125-150-200 | 1,45     | 435PU060 □□□ * |
| 96  | 49 | 76  | 35 | 075-100-125-150-200 | 1,60     | 435PU076 □□□ * |
| 117 | 49 | 97  | 35 | 075-100-125-150-200 | 1,75     | 435PU097 □□□ * |
| 123 | 49 | 103 | 35 | 075-100-125-150-200 | 1,90     | 435PU103 □□□ * |
| 145 | 49 | 125 | 35 | 075-100-125-150-200 | 2,10     | 435PU125 □□□ * |
| 170 | 49 | 150 | 35 | 075-100-125-150-200 | 2,35     | 435PU150 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 435PU040 □□□ □

4



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 | 199 | 155 | 340 |
| 100 | 249 | 175 | 415 |
| 125 | 299 | 200 | 495 |
| 150 | 349 | 230 | 575 |
| 200 | 449 | 275 | 730 |





# Serie Protection

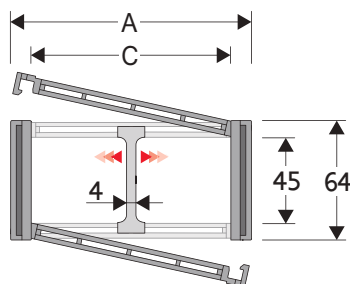
## 445PU

### Nylon Protection Cable Chain with opening covers

**Inner height (D) 45 mm**

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

Vertical separators are available.



#### Separator

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S445UF    |
| - Assembled*  | Part.no S445UFMCI |
| - Assembled** | Part.no S445UFMCE |

#### Pin

Part.no PG445

\* for chain opening outer radius

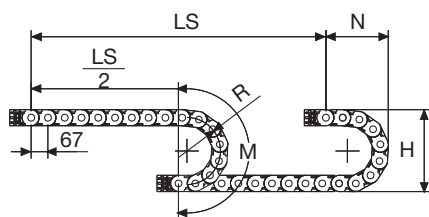
\*\* for chain opening inner radius

#### Technical characteristics when self-supported

Speed 10 m/s

Acceleration 50 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<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 100     | 264     | 200     | 450     |
| 125     | 314     | 225     | 530     |
| 150     | 364     | 250     | 605     |
| 175     | 414     | 275     | 685     |
| 200     | 464     | 300     | 765     |
| 250     | 564     | 350     | 920     |
| 300     | 664     | 400     | 1080    |

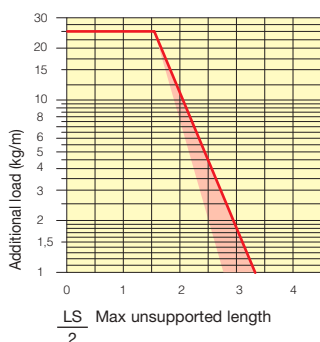
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 72      | 64      | 50      | 45      | 100-125-150-175-200-250-300 | 1,83           | 445PU050 □□□ *       |
| 83      | 64      | 61      | 45      | 100-125-150-175-200-250-300 | 1,87           | 445PU061 □□□ *       |
| 97      | 64      | 75      | 45      | 100-125-150-175-200-250-300 | 2,05           | 445PU075 □□□ *       |
| 103     | 64      | 81      | 45      | 100-125-150-175-200-250-300 | 2,10           | 445PU081 □□□ *       |
| 107     | 64      | 85      | 45      | 100-125-150-175-200-250-300 | 2,15           | 445PU085 □□□ *       |
| 117     | 64      | 95      | 45      | 100-125-150-175-200-250-300 | 2,23           | 445PU095 □□□ *       |
| 122     | 64      | 100     | 45      | 100-125-150-175-200-250-300 | 2,26           | 445PU100 □□□ *       |
| 129     | 64      | 107     | 45      | 100-125-150-175-200-250-300 | 2,31           | 445PU107 □□□ *       |
| 139     | 64      | 117     | 45      | 100-125-150-175-200-250-300 | 2,38           | 445PU117 □□□ *       |
| 147     | 64      | 125     | 45      | 100-125-150-175-200-250-300 | 2,49           | 445PU125 □□□ *       |
| 158     | 64      | 136     | 45      | 100-125-150-175-200-250-300 | 2,60           | 445PU136 □□□ *       |
| 172     | 64      | 150     | 45      | 100-125-150-175-200-250-300 | 2,71           | 445PU150 □□□ *       |
| 197     | 64      | 175     | 45      | 100-125-150-175-200-250-300 | 2,93           | 445PU175 □□□ *       |
| 222     | 64      | 200     | 45      | 100-125-150-175-200-250-300 | 3,17           | 445PU200 □□□ *       |
| 233     | 64      | 211     | 45      | 100-125-150-175-200-250-300 | 3,26           | 445PU211 □□□ *       |
| 247     | 64      | 225     | 45      | 100-125-150-175-200-250-300 | 3,39           | 445PU225 □□□ *       |
| 274     | 64      | 252     | 45      | 100-125-150-175-200-250-300 | 3,64           | 445PU252 □□□ *       |
| 283     | 64      | 261     | 45      | 100-125-150-175-200-250-300 | 3,71           | 445PU261 □□□ *       |
| 308     | 64      | 286     | 45      | 100-125-150-175-200-250-300 | 3,92           | 445PU286 □□□ *       |
| 334     | 64      | 312     | 45      | 100-125-150-175-200-250-300 | 4,13           | 445PU312 □□□ *       |
| 356     | 64      | 334     | 45      | 100-125-150-175-200-250-300 | 4,35           | 445PU334 □□□ *       |
| 384     | 64      | 362     | 45      | 100-125-150-175-200-250-300 | 4,59           | 445PU362 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 445PU050 □□□ □



## 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

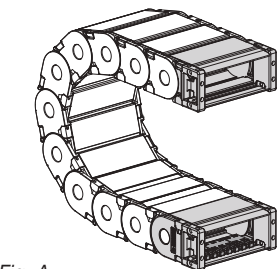
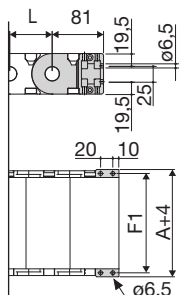


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 445PU050   | 63   |
| 445PU061   | 74   |
| 445PU075   | 88   |
| 445PU081   | 94   |
| 445PU085   | 98   |
| 445PU095   | 108  |
| 445PU100   | 113  |
| 445PU107   | 120  |
| 445PU117   | 130  |
| 445PU125   | 138  |
| 445PU136   | 149  |
| 445PU150   | 163  |
| 445PU175   | 188  |
| 445PU200   | 213  |
| 445PU211   | 224  |
| 445PU225   | 238  |
| 445PU252   | 265  |
| 445PU261   | 274  |
| 445PU286   | 289  |
| 445PU312   | 325  |
| 445PU334   | 347  |
| 445PU362   | 375  |

### Nylon Type Part Numbers

Complete Set Assembled

AW445P□□□\*KM

Complete Set Unassembled

AW445P□□□\*K

### Tiewrap Clamp Part Numbers

Complete Set Assembled

CFC445M□□□\*KM

Complete Set Unassembled

CFC445M□□□\*K

### Nylon Type

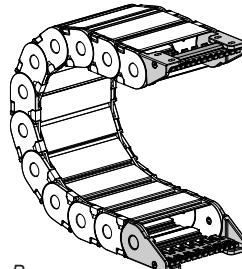
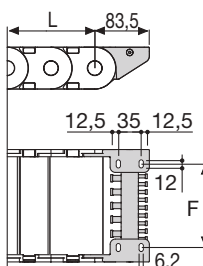


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 445PU050   | 28   |
| 445PU061   | 39   |
| 445PU075   | 53   |
| 445PU081   | 59   |
| 445PU085   | 63   |
| 445PU095   | 73   |
| 445PU100   | 78   |
| 445PU107   | 85   |
| 445PU117   | 95   |
| 445PU125   | 103  |
| 445PU136   | 114  |
| 445PU150   | 128  |
| 445PU175   | 153  |
| 445PU200   | 178  |
| 445PU211   | 189  |
| 445PU225   | 203  |
| 445PU252   | 230  |
| 445PU261   | 239  |
| 445PU286   | 254  |
| 445PU312   | 290  |
| 445PU334   | 312  |
| 445PU362   | 340  |

### Nylon Type Part Numbers

Complete Set Assembled

AN445KM□\*\*

Complete Set Unassembled

AN445K□\*\*

### Tiewrap Clamp Part Numbers

Complete Set Assembled

SFCT445□□□\*KM

Complete Set Unassembled

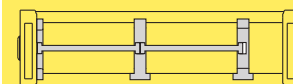
SFCT445□□□\*K

\*\*1=Pos.1; 2=Pos.2; 3=Pos.3  
5=Pos.5; 6=Pos.6

## Serie Protection

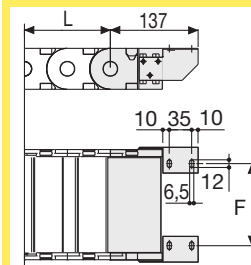
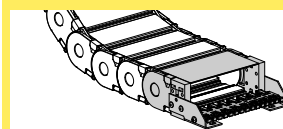
### 445PU

Nylon Protection Cable Chain with opening covers



Separation System  
To choose the separators see page. 216

## Bright Zinc Plated Steel Type\*\*\*



F = A-44

## Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled

A445P□□□\*KM□\*\*

Complete Set Unassembled

A445P□□□\*K□\*\*

\* Inner width (C)

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

\*\*\* Available on request in stainless steel

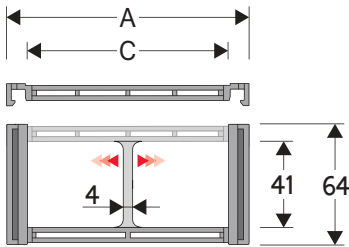
For further information please consult Brevetti Stendalto's Technical Office



# Serie Protection

## 445PS Nylon Protection Cable Chain with opening covers

**Inner height (D) 41 mm**  
Sideband construction with anti-friction  
single-pin.  
Covers openable only inner radius.  
Vertical separator system are available.



| Separator     |                   |
|---------------|-------------------|
| - Unassembled | Part.no S445CNF   |
| - Assembled   | Part.no S445CNFMC |
| Pin           |                   |
| Part.no PG445 |                   |

| Technical characteristics<br>when self-supported |                     |
|--------------------------------------------------|---------------------|
| Speed                                            | 10 m/s              |
| Acceleration                                     | 50 m/s <sup>2</sup> |

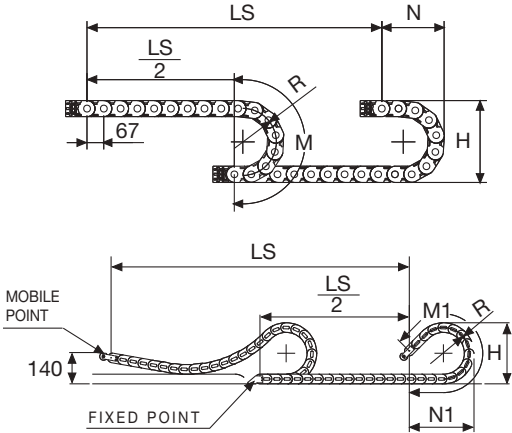
For higher requirements please consult our  
technical dept.

| A   | B  | C   | D  | R                           | Weight/m | Chain          |
|-----|----|-----|----|-----------------------------|----------|----------------|
| mm  | mm | mm  | mm | mm                          | kg       | Part Number    |
| 83  | 64 | 61  | 41 | 100-125-150-175-200-250-300 | 1,87     | 445PS061 □□□ * |
| 97  | 64 | 75  | 41 | 100-125-150-175-200-250-300 | 2,05     | 445PS075 □□□ * |
| 147 | 64 | 125 | 41 | 100-125-150-175-200-250-300 | 2,49     | 445PS125 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. Es. 445PS061 □□□ □

For sliding applications, characteristics  
techniques may vary depending on the  
frequency, added weight and work environment.

| R   | H   | N   | M    | N1   | M1   |
|-----|-----|-----|------|------|------|
| mm  | mm  | mm  | mm   | mm   | mm   |
| 100 | 264 | 200 | 450  | 340  | 740  |
| 125 | 314 | 225 | 530  | 460  | 1020 |
| 150 | 364 | 250 | 605  | 580  | 1300 |
| 175 | 414 | 275 | 685  | 700  | 1575 |
| 200 | 464 | 300 | 765  | 820  | 1855 |
| 250 | 564 | 350 | 920  | 1055 | 2410 |
| 300 | 664 | 400 | 1080 | 1295 | 2970 |



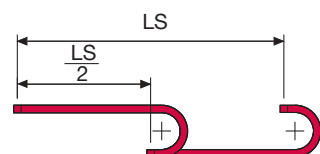
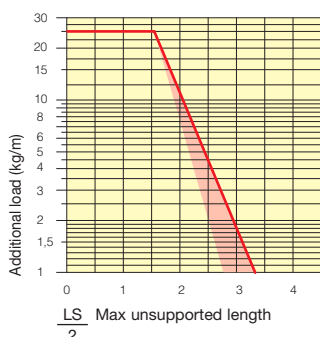
**SLIDING VERSION**  
to be ordered with pivoting  
end brackets set

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 for SLIDING



## Nylon Type Part Numbers

**Complete Set Assembled**  
AWB445PS□□□\*KM□\*\*  
**Complete Set Unassembled**  
AWB445PS□□□\*K

\* Inner width (C)

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

Fixed point end brackets see Fig.A  
Movable point end brackets see Fig.B

## 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 version

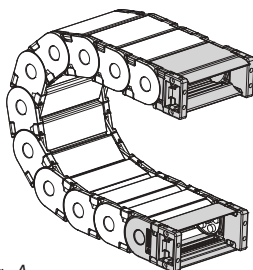
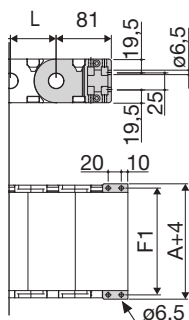


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



## Nylon version

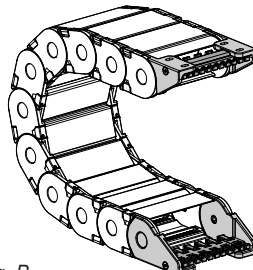
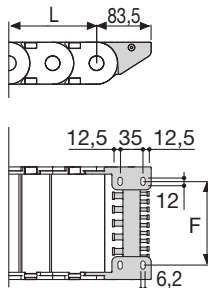


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain type | F mm |
|------------|------|
| 445PS 061  | 74   |
| 445PS 075  | 88   |
| 445PS 125  | 138  |

## Nylon Type Part Numbers

**Complete Set Assembled**  
AW445PS□□□\*KM

**Complete Set Unassembled**  
AW445PS□□□\*K

\* Inner width (C)

| Chain type | F mm |
|------------|------|
| 445PS 061  | 39   |
| 445PS 075  | 53   |
| 445PS 125  | 103  |

## Nylon Type Part Numbers

**Complete Set Assembled**  
AN445PSKM□\*\*

**Complete Set Unassembled**  
AN445PSK (for pos.1,2,3)  
AN445PSK□\*\*\* (for pos.5,6)

## Tiewrap Clamp Part Number

**Complete Set Assembled**  
SFCT445□□□\*KM

**Complete Set Unassembled**  
SFCT445□□□\*K

\* Inner width (C)

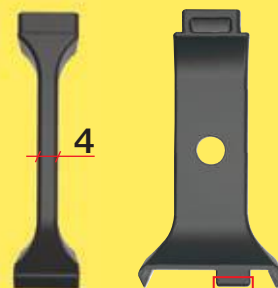
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

5=Pos.5; 6=Pos.6

\*\*\* 5=Pos.5; 6=Pos.6

## Serie Protection

## 445PS Nylon Protection Cable Chain with opening covers



## S445CNF

This separator can be mounted in 2 ways different ensuring the same reliable resistance.



mounted outside the premises the separator can move



mounted inside the seats assumes a fixed position.

For further information please consult Brevetti Stendalto's Technical Office

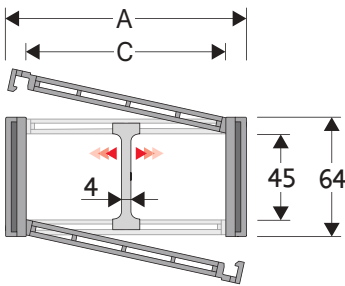
# Serie Protection

## 445AU

### Nylon Protection Cable Chain with opening aluminium covers

Inner height (D) 45 mm

Sideband & Frame construction with large anti-friction single-pin.  
Vertical separators are available.



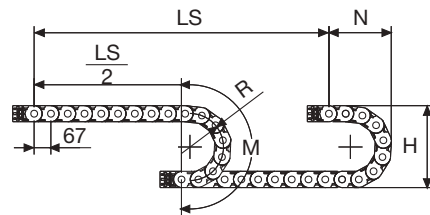
| Separator     |                   |
|---------------|-------------------|
| - Unassembled | Part.no S445UF    |
| - Assembled*  | Part.no S445UFMCI |
| - Assembled** | Part.no S445UFMCE |
| Pin           |                   |
| Part.no PG445 |                   |

\* for chain opening outer radius  
\*\* for chain opening inner radius

#### Technical characteristics when self-supported

|              |                     |
|--------------|---------------------|
| Speed        | 10 m/s              |
| Acceleration | 50 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<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 100     | 264     | 200     | 450     |
| 125     | 314     | 225     | 530     |
| 150     | 364     | 250     | 605     |
| 175     | 414     | 275     | 685     |
| 200     | 464     | 300     | 765     |
| 250     | 564     | 350     | 920     |
| 300     | 664     | 400     | 1080    |

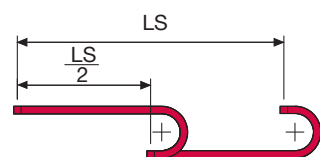
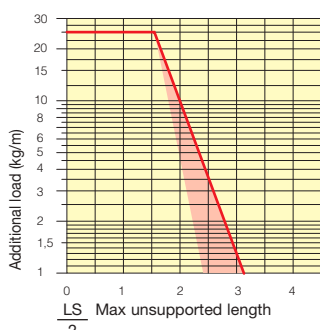
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 72      | 64      | 50      | 45      | 100-125-150-175-200-250-300 | 2,13           | 445AU050 □□□ *       |
| 83      | 64      | 61      | 45      | 100-125-150-175-200-250-300 | 2,24           | 445AU061 □□□ *       |
| 97      | 64      | 75      | 45      | 100-125-150-175-200-250-300 | 2,49           | 445AU075 □□□ *       |
| 103     | 64      | 81      | 45      | 100-125-150-175-200-250-300 | 2,59           | 445AU081 □□□ *       |
| 107     | 64      | 85      | 45      | 100-125-150-175-200-250-300 | 2,65           | 445AU085 □□□ *       |
| 117     | 64      | 95      | 45      | 100-125-150-175-200-250-300 | 2,79           | 445AU095 □□□ *       |
| 122     | 64      | 100     | 45      | 100-125-150-175-200-250-300 | 2,85           | 445AU100 □□□ *       |
| 129     | 64      | 107     | 45      | 100-125-150-175-200-250-300 | 2,95           | 445AU107 □□□ *       |
| 139     | 64      | 117     | 45      | 100-125-150-175-200-250-300 | 3,08           | 445AU117 □□□ *       |
| 147     | 64      | 125     | 45      | 100-125-150-175-200-250-300 | 3,24           | 445AU125 □□□ *       |
| 158     | 64      | 136     | 45      | 100-125-150-175-200-250-300 | 3,41           | 445AU136 □□□ *       |
| 172     | 64      | 150     | 45      | 100-125-150-175-200-250-300 | 3,61           | 445AU150 □□□ *       |
| 197     | 64      | 175     | 45      | 100-125-150-175-200-250-300 | 3,97           | 445AU175 □□□ *       |
| 222     | 64      | 200     | 45      | 100-125-150-175-200-250-300 | 4,35           | 445AU200 □□□ *       |
| 233     | 64      | 211     | 45      | 100-125-150-175-200-250-300 | 4,51           | 445AU211 □□□ *       |
| 247     | 64      | 225     | 45      | 100-125-150-175-200-250-300 | 4,73           | 445AU225 □□□ *       |
| 274     | 64      | 252     | 45      | 100-125-150-175-200-250-300 | 5,13           | 445AU252 □□□ *       |
| 283     | 64      | 261     | 45      | 100-125-150-175-200-250-300 | 5,26           | 445AU261 □□□ *       |
| 308     | 64      | 286     | 45      | 100-125-150-175-200-250-300 | 5,63           | 445AU286 □□□ *       |
| 334     | 64      | 312     | 45      | 100-125-150-175-200-250-300 | 6,00           | 445AU312 □□□ *       |
| 356     | 64      | 334     | 45      | 100-125-150-175-200-250-300 | 6,33           | 445AU334 □□□ *       |
| 384     | 64      | 362     | 45      | 100-125-150-175-200-250-300 | 6,73           | 445AU362 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 445AU050 □ □ □



## 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

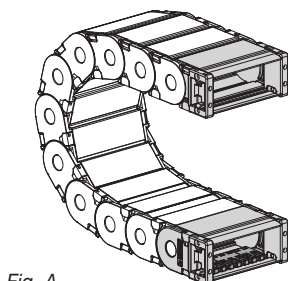
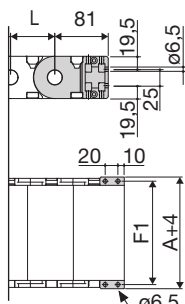


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 445AU050   | 63   |
| 445AU061   | 74   |
| 445AU075   | 88   |
| 445AU081   | 94   |
| 445AU085   | 98   |
| 445AU095   | 108  |
| 445AU100   | 113  |
| 445AU107   | 120  |
| 445AU117   | 130  |
| 445AU125   | 138  |
| 445AU136   | 149  |
| 445AU150   | 163  |
| 445AU175   | 188  |
| 445AU200   | 213  |
| 445AU211   | 224  |
| 445AU225   | 238  |
| 445AU252   | 265  |
| 445AU261   | 274  |
| 445AU286   | 299  |
| 445AU312   | 325  |
| 445AU334   | 347  |
| 445AU362   | 375  |

### Nylon Type Part Numbers

Complete Set Assembled

AW445A □□□ \*KM

Complete Set Unassembled

AW445A □□□ \*K

### Tiewrap Clamp Part Numbers

Complete Set Assembled

CFC445M □□□ \*KM

Complete Set Unassembled

CFC445M □□□ \*K

### Nylon Type

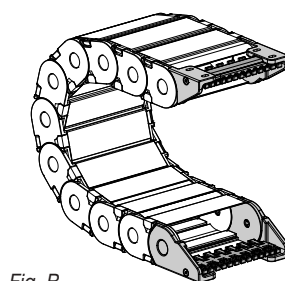
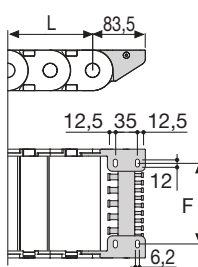


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 445AU050   | 28   |
| 445AU061   | 39   |
| 445AU075   | 53   |
| 445AU081   | 59   |
| 445AU085   | 63   |
| 445AU095   | 73   |
| 445AU100   | 78   |
| 445AU107   | 85   |
| 445AU117   | 95   |
| 445AU125   | 103  |
| 445AU136   | 114  |
| 445AU150   | 128  |
| 445AU175   | 153  |
| 445AU200   | 178  |
| 445AU211   | 189  |
| 445AU225   | 203  |
| 445AU252   | 230  |
| 445AU261   | 239  |
| 445AU286   | 264  |
| 445AU312   | 290  |
| 445AU334   | 312  |
| 445AU362   | 340  |

### Nylon Type Part Numbers

Complete Set Assembled

AN445KM □ \*\*

Complete Set Unassembled

AN445K □ \*\*

### Tiewrap Clamp Part Numbers

Complete Set Assembled

SFCT445 □□□ \*KM

Complete Set Unassembled

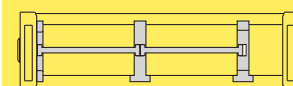
SFCT445 □□□ \*K

\*\*1=Pos.1; 2=Pos.2; 3=Pos.3  
5=Pos.5; 6=Pos.6

## Serie Protection

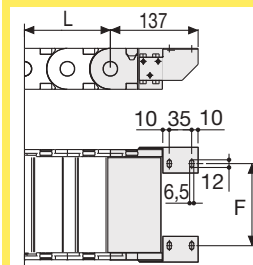
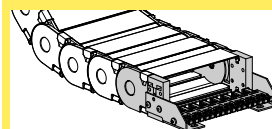
### 445AU

Nylon Protection  
Cable Chain with  
opening aluminium  
covers



Separation System  
To choose the separators see  
page. 216

## Bright Zinc Plated Steel Type\*\*\*



F = A-44

## Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled

A445A □□□ \*KM □ \*\*

Complete Set Unassembled

A445A □□□ \*K □ \*\*

\* Inner width (C)

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

\*\*\* Available on request in stainless steel

For further information please  
consult Brevetti Stendalto's  
Technical Office



# Serie Protection

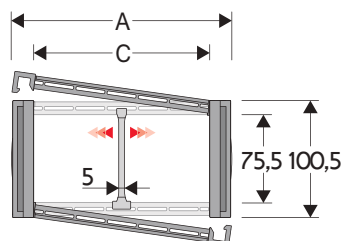
## 475PU

### Nylon Protection Cable Chain with opening covers

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

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

Vertical and horizontal modular separator system is available.



#### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S309S    |
| - Assembled*  | Part.no S309SMCI |
| - Assembled** | Part.no S309SMCE |
| <b>Pin</b>    | Part.no PG475    |

\* for chain opening outer radius  
\*\* for chain opening inner radius

#### Technical characteristics when self-supported

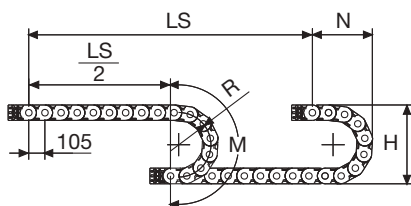
|              |                     |
|--------------|---------------------|
| Speed        | 8 m/s               |
| Acceleration | 40 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 112     | 100,5   | 74      | 75,5    | 180-200-250-300-350-400 | 4,60           | 475PU074 □□□ *       |
| 132     | 100,5   | 94      | 75,5    | 180-200-250-300-350-400 | 4,80           | 475PU094 □□□ *       |
| 157     | 100,5   | 119     | 75,5    | 180-200-250-300-350-400 | 5,10           | 475PU119 □□□ *       |
| 164     | 100,5   | 126     | 75,5    | 180-200-250-300-350-400 | 5,15           | 475PU126 □□□ *       |
| 187     | 100,5   | 149     | 75,5    | 180-200-250-300-350-400 | 5,40           | 475PU149 □□□ *       |
| 227     | 100,5   | 189     | 75,5    | 180-200-250-300-350-400 | 5,80           | 475PU189 □□□ *       |
| 262     | 100,5   | 224     | 75,5    | 180-200-250-300-350-400 | 6,20           | 475PU224 □□□ *       |
| 288     | 100,5   | 250     | 75,5    | 180-200-250-300-350-400 | 6,50           | 475PU250 □□□ *       |
| 312     | 100,5   | 274     | 75,5    | 180-200-250-300-350-400 | 6,75           | 475PU274 □□□ *       |
| 338     | 100,5   | 300     | 75,5    | 180-200-250-300-350-400 | 7,05           | 475PU300 □□□ *       |
| 362     | 100,5   | 324     | 75,5    | 180-200-250-300-350-400 | 7,30           | 475PU324 □□□ *       |
| 388     | 100,5   | 350     | 75,5    | 180-200-250-300-350-400 | 7,55           | 475PU350 □□□ *       |
| 412     | 100,5   | 374     | 75,5    | 180-200-250-300-350-400 | 7,85           | 475PU374 □□□ *       |
| 467     | 100,5   | 429     | 75,5    | 180-200-250-300-350-400 | 8,50           | 475PU429 □□□ *       |
| 536     | 100,5   | 498     | 75,5    | 180-200-250-300-350-400 | 9,20           | 475PU498 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 475PU119 □□□ □

4



Length of chain (L)

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

plus length of curve (M)

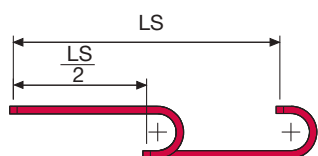
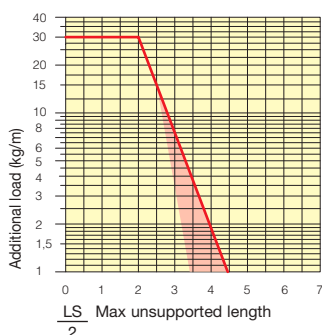
$$L = \frac{LS}{2} + M$$

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 180     | 460,5   | 335     | 775     |
| 200     | 500,5   | 355     | 840     |
| 250     | 600,5   | 405     | 995     |
| 300     | 700,5   | 460     | 1155    |
| 350     | 800,5   | 505     | 1310    |
| 400     | 900,5   | 560     | 1470    |



## 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.

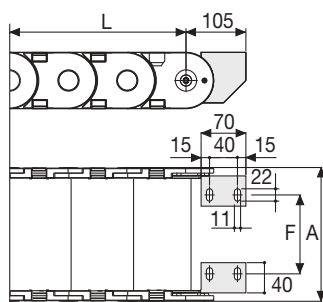
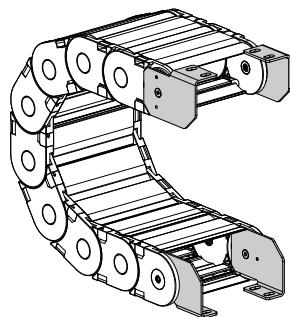


The red marking in the diagram area considers the difference of weight between various widths of chain.

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.



| Chain Type | F mm |
|------------|------|
| 475PU074   | 35   |
| 475PU094   | 55   |
| 475PU119   | 80   |
| 475PU126   | 87   |
| 475PU149   | 110  |
| 475PU189   | 150  |
| 475PU224   | 185  |
| 475PU250   | 211  |
| 475PU274   | 235  |
| 475PU300   | 261  |
| 475PU324   | 285  |
| 475PU350   | 311  |
| 475PU374   | 335  |
| 475PU498   | 459  |

## Bright Zinc Plated Steel Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 475...     | A475KM □**       |

| Chain Type | End Brackets Set |
|------------|------------------|
| 475...     | A475K            |

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

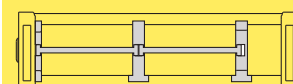
\*\*\* Available on request in stainless steel

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

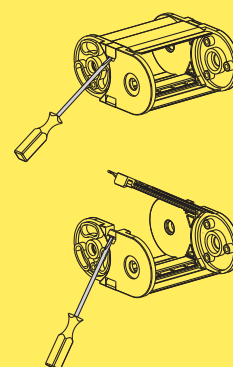
## Serie Protection

### 475PU

Nylon Protection Cable Chain with opening covers



Separation System  
To choose the separators see page. 216



How to open the cover.

For further information please consult Brevetti Stendalto's Technical Office

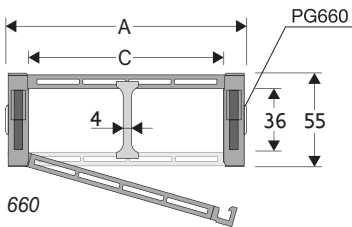
# Serie Protection

## 660 Nylon Protection Cable Chain with opening covers

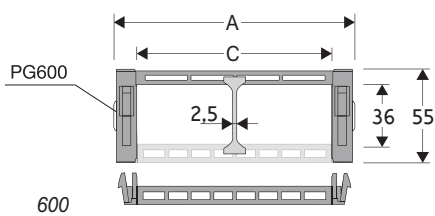
### Inner height (D) 36 mm

Double share Sideband & Frame construction with large anti-friction single-pin. Covers are opening from inner radius.

Vertical separators are available.



| Separator     |                |
|---------------|----------------|
| - Unassembled | Part.no S660   |
| - Assembled   | Part.no S660MC |



| Separator     |                |
|---------------|----------------|
| - Unassembled | Part.no S600   |
| - Assembled   | Part.no S600MC |

### Technical characteristics when self-supported

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

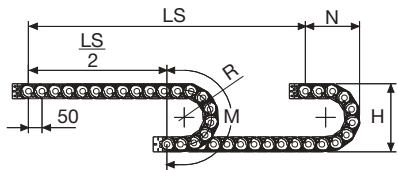
For higher requirements please consult our technical dept.

| A   | B  | C   | D  | R               | Weight/m | Chain        |
|-----|----|-----|----|-----------------|----------|--------------|
| mm  | mm | mm  | mm | mm              | kg       | Part Number  |
| 79  | 55 | 50  | 36 | 100-150-200-250 | 1,90     | 660050 □□□ * |
| 129 | 55 | 100 | 36 | 100-150-200-250 | 2,40     | 660100 □□□ * |
| 179 | 55 | 150 | 36 | 100-150-200-250 | 3,00     | 60015 □ **   |

\*Complete the code by inserting the value of the radius (R): Ex. 660050 □ □ □ □

\*\*Complete the code by inserting the value of the radius (R): Ex. 60015 □

Where: 0=100; 1=150; 2=200; 3=250



| R   | H   | N   | M   |
|-----|-----|-----|-----|
| mm  | mm  | mm  | mm  |
| 100 | 255 | 180 | 415 |
| 150 | 355 | 230 | 575 |
| 200 | 455 | 280 | 730 |
| 250 | 555 | 330 | 885 |

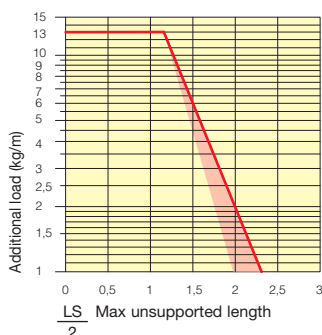
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

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



## 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.

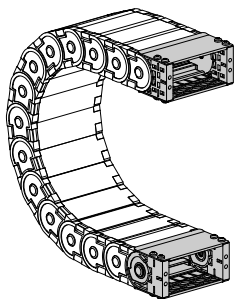
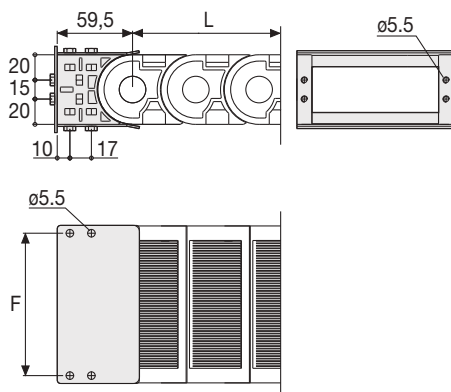


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 660 C=50   | 62   |
| 660 C=100  | 112  |
| 600 C=150  | 162  |

## Nylon Type Part Numbers

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 660 C=50               | AN660050KM       |
| 660 C=100              | AN660100KM       |
| 600 C=150              | AL600KM          |

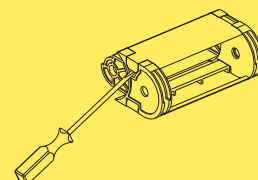
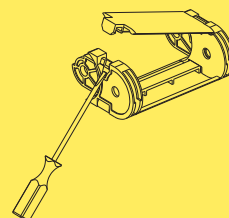
| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 660 C=50                 | AN660050K        |
| 660 C=100                | AN660100K        |
| 600 C=150                | AL600K           |

## Serie Protection

# 660

**Nylon Protection Cable Chain with opening covers**

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 Protection

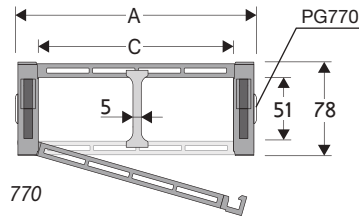
# 770

## Nylon Protection Cable Chain with opening covers

### Inner height (D) 51 mm

Double share Sideband & Frame construction with large anti-friction single-pin. Covers are opening from inner radius.

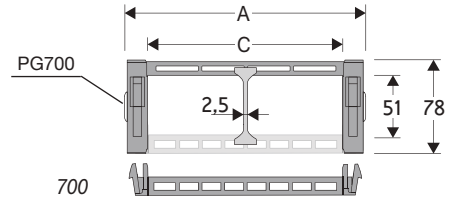
Vertical separators are available.



770

### Separator

|               |                |
|---------------|----------------|
| - Unassembled | Part.no S770   |
| - Assembled   | Part.no S770MC |



700

### Separator

|               |                |
|---------------|----------------|
| - Unassembled | Part.no S700   |
| - Assembled   | Part.no S700MC |

### Technical characteristics when self-supported

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

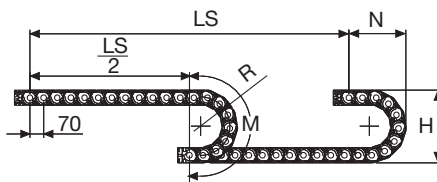
For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------|----------------|----------------------|
| 120     | 78      | 85      | 51      | 150-200-250-300 | 3,30           | 770085 □□□ *         |
| 135     | 78      | 100     | 51      | 150-200-250-300 | 3,90           | 770100 □□□ *         |
| 185     | 78      | 150     | 51      | 150-200-250-300 | 4,10           | 770150 □□□ *         |
| 235     | 78      | 200     | 51      | 150-200-250-300 | 4,50           | 770200 □□□ *         |
| 285     | 78      | 250     | 51      | 150-200-250-300 | 5,00           | 770250 □□□ **        |

\*Complete the code by inserting the value of the radius (R): Ex. 770085 □ □ □

\*\*Complete the code by inserting the value of the radius (R): Ex. 770250 □

Where: 0=150; 1=200; 2=250; 3=300



| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 150     | 378     | 260     | 615     |
| 200     | 478     | 310     | 770     |
| 250     | 578     | 365     | 930     |
| 300     | 678     | 410     | 1085    |

Length of chain (L)

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

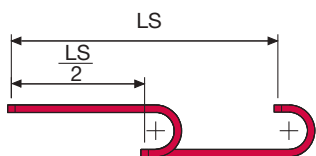
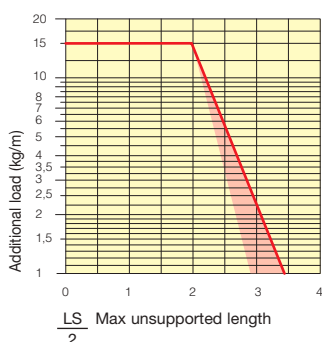
plus length of curve (M)

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



## 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.

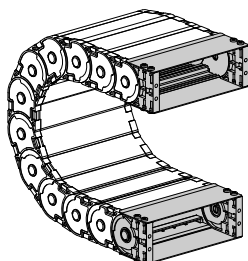
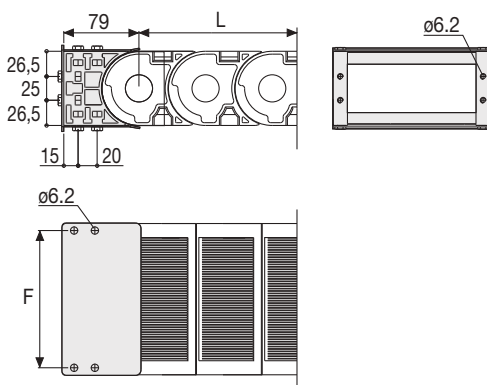


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 770 C=85   | 100  |
| 770 C=100  | 115  |
| 770 C=150  | 165  |
| 770 C=200  | 215  |
| 700 C=250  | 265  |

## Nylon Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 770...                            | AN770□□□*KM      |
| 700 C=250                         | AL700KM          |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 770...                              | AN770□□□*K       |
| 700 C=250                           | AL700K           |

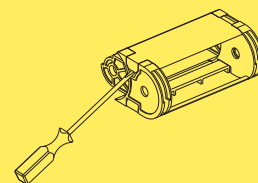
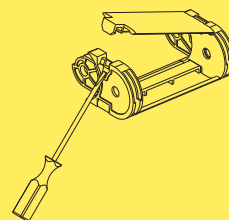
\* Inner width (C)

## Serie Protection

### 770

Nylon Protection Cable Chain with opening covers

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 Protection

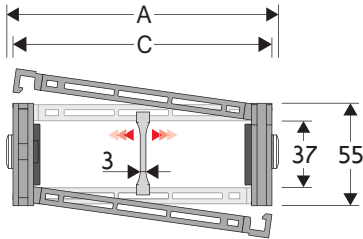
## 306CU Nylon Protection Cable Chain with opening aluminium covers

### Inner height (D) 37 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin.

Covers are opening from inner and outer radius.

Vertical separators are available.

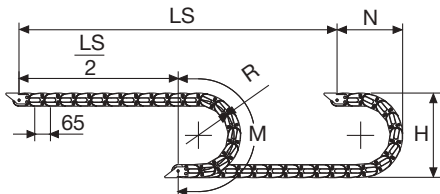


| Separator      |                 |
|----------------|-----------------|
| - Unassembled  | Part.no S306SM  |
| - Assembled    | Part.no S306SMC |
| Pin            |                 |
| Part.no PG309H |                 |

### 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<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 107     | 272     | 205     | 470     |
| 150     | 358     | 245     | 605     |
| 200     | 458     | 295     | 760     |
| 250     | 558     | 345     | 920     |
| 300     | 658     | 395     | 1075    |

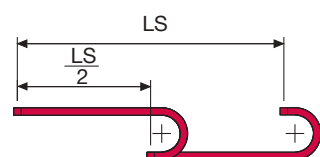
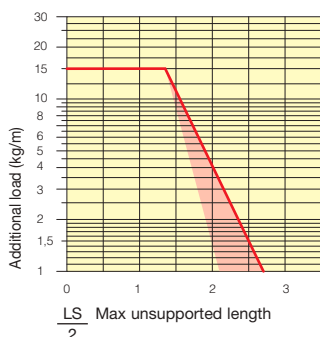
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm             | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------|----------------|----------------------|
| 79      | 55      | 43      | 37      | 107-150-200-250-300 | 1,85           | 306CU043 □ □ □ *     |
| 90      | 55      | 54      | 37      | 107-150-200-250-300 | 1,90           | 306CU054 □ □ □ *     |
| 104     | 55      | 68      | 37      | 107-150-200-250-300 | 2,04           | 306CU068 □ □ □ *     |
| 110     | 55      | 74      | 37      | 107-150-200-250-300 | 2,09           | 306CU074 □ □ □ *     |
| 114     | 55      | 78      | 37      | 107-150-200-250-300 | 2,15           | 306CU078 □ □ □ *     |
| 124     | 55      | 88      | 37      | 107-150-200-250-300 | 2,20           | 306CU088 □ □ □ *     |
| 129     | 55      | 93      | 37      | 107-150-200-250-300 | 2,22           | 306CU093 □ □ □ *     |
| 136     | 55      | 100     | 37      | 107-150-200-250-300 | 2,27           | 306CU100 □ □ □ *     |
| 146     | 55      | 110     | 37      | 107-150-200-250-300 | 2,33           | 306CU110 □ □ □ *     |
| 154     | 55      | 118     | 37      | 107-150-200-250-300 | 2,42           | 306CU118 □ □ □ *     |
| 165     | 55      | 129     | 37      | 107-150-200-250-300 | 2,50           | 306CU129 □ □ □ *     |
| 179     | 55      | 143     | 37      | 107-150-200-250-300 | 2,61           | 306CU143 □ □ □ *     |
| 204     | 55      | 168     | 37      | 107-150-200-250-300 | 2,80           | 306CU168 □ □ □ *     |
| 229     | 55      | 193     | 37      | 107-150-200-250-300 | 3,00           | 306CU193 □ □ □ *     |
| 240     | 55      | 204     | 37      | 107-150-200-250-300 | 3,08           | 306CU204 □ □ □ *     |
| 254     | 55      | 218     | 37      | 107-150-200-250-300 | 3,19           | 306CU218 □ □ □ *     |
| 281     | 55      | 245     | 37      | 107-150-200-250-300 | 3,40           | 306CU245 □ □ □ *     |
| 290     | 55      | 254     | 37      | 107-150-200-250-300 | 3,47           | 306CU254 □ □ □ *     |
| 315     | 55      | 279     | 37      | 107-150-200-250-300 | 3,77           | 306CU279 □ □ □ *     |
| 341     | 55      | 305     | 37      | 107-150-200-250-300 | 3,84           | 306CU305 □ □ □ *     |
| 363     | 55      | 327     | 37      | 107-150-200-250-300 | 4,01           | 306CU327 □ □ □ *     |
| 391     | 55      | 355     | 37      | 107-150-200-250-300 | 4,22           | 306CU355 □ □ □ *     |

\*Complete the code by inserting the value of the radius (R): Ex. 306CU110 7 5 0



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

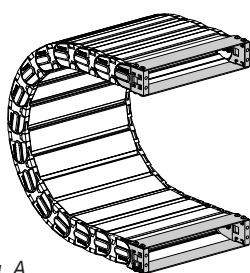
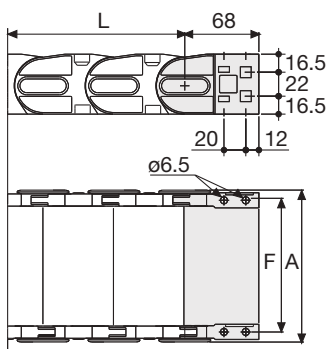


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 306CU043   | 61   |
| 306CU054   | 72   |
| 306CU068   | 86   |
| 306CU074   | 92   |
| 306CU078   | 96   |
| 306CU088   | 106  |
| 306CU093   | 111  |
| 306CU100   | 118  |
| 306CU110   | 128  |
| 306CU118   | 136  |
| 306CU129   | 147  |
| 306CU143   | 161  |
| 306CU168   | 186  |
| 306CU193   | 211  |
| 306CU204   | 222  |
| 306CU218   | 236  |
| 306CU245   | 263  |
| 306CU254   | 272  |
| 306CU279   | 297  |
| 306CU305   | 323  |
| 306CU327   | 345  |
| 306CU355   | 373  |

### Nylon Type Part Numbers

| Complete Set Assembled Chain Type   | End Brackets Set |
|-------------------------------------|------------------|
| 306                                 | AN306C□□□*KM     |
| Complete Set Unassembled Chain Type | End Brackets Set |
| 306                                 | AN306C□□□*K      |

### Nylon Type

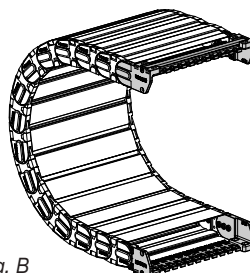
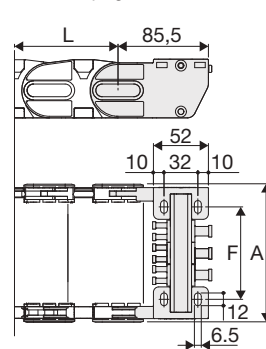


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 306CU043   | 36   |
| 306CU054   | 47   |
| 306CU068   | 61   |
| 306CU074   | 67   |
| 306CU078   | 71   |
| 306CU088   | 81   |
| 306CU093   | 86   |
| 306CU100   | 93   |
| 306CU110   | 103  |
| 306CU118   | 111  |
| 306CU129   | 122  |
| 306CU143   | 136  |
| 306CU168   | 161  |
| 306CU193   | 186  |
| 306CU204   | 197  |
| 306CU218   | 211  |
| 306CU245   | 238  |
| 306CU254   | 247  |
| 306CU279   | 272  |
| 306CU305   | 298  |
| 306CU327   | 320  |
| 306CU355   | 348  |

### Nylon Type Part Numbers

| Complete Set Assembled Chain Type   | End Brackets Set |
|-------------------------------------|------------------|
| 306                                 | ANL306KM □**     |
| Complete Set Unassembled Chain Type | End Brackets Set |
| 306                                 | ANL306K □**      |

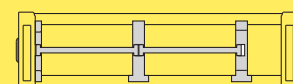
#### Tiewrap Clamp

Assembl. SFCTL306□□□\*KM  
Unassembl. SFCTL306S□□□\*K  
SFCTL not applicable for C=43

## Serie Protection

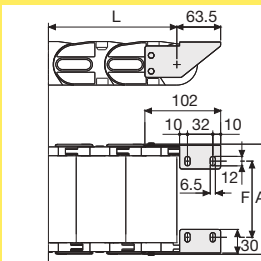
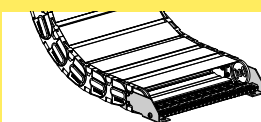
### 306CU

Nylon Protection Cable Chain with opening aluminium covers



Separation System  
To choose the separators see page. 216

## Bright Zinc Plated Steel Type\*\*\*



F = A-43

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled Chain Type   | End Brackets Set |
|-------------------------------------|------------------|
| 306                                 | A306CU□□□*KM □** |
| Complete Set Unassembled Chain Type | End Brackets Set |
| 306                                 | A306CU□□□*K □**  |
| Tiewrap Clamp                       |                  |
| Assembl. SFCT306S□□□ *KM            |                  |
| Unassembl. SFCT306S□□□ *K           |                  |

\* Inner width (C)

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

\*\*\* Available on request in stainless steel



# Serie Protection

## 308CU

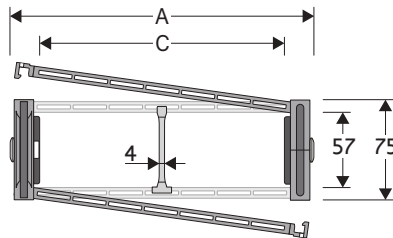
### Nylon Protection Cable Chain with opening aluminium covers

#### Inner height (D) 57 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin.

Covers are opening from inner and outer radius.

Vertical separators are available.



#### Separator

|               |                                                    |
|---------------|----------------------------------------------------|
| - Unassembled | Part.no S308C                                      |
| - Assembled   | Part.no S308CMCI<br>for chain opening outer radius |
| - Assembled   | Part.no S308CMCE<br>for chain opening inner radius |

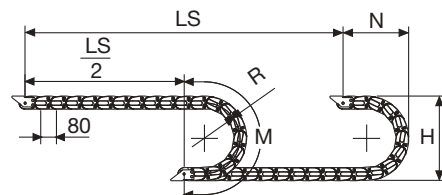
#### Pin

Part.no PG308

#### 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 ( $\frac{LS}{2}$ )

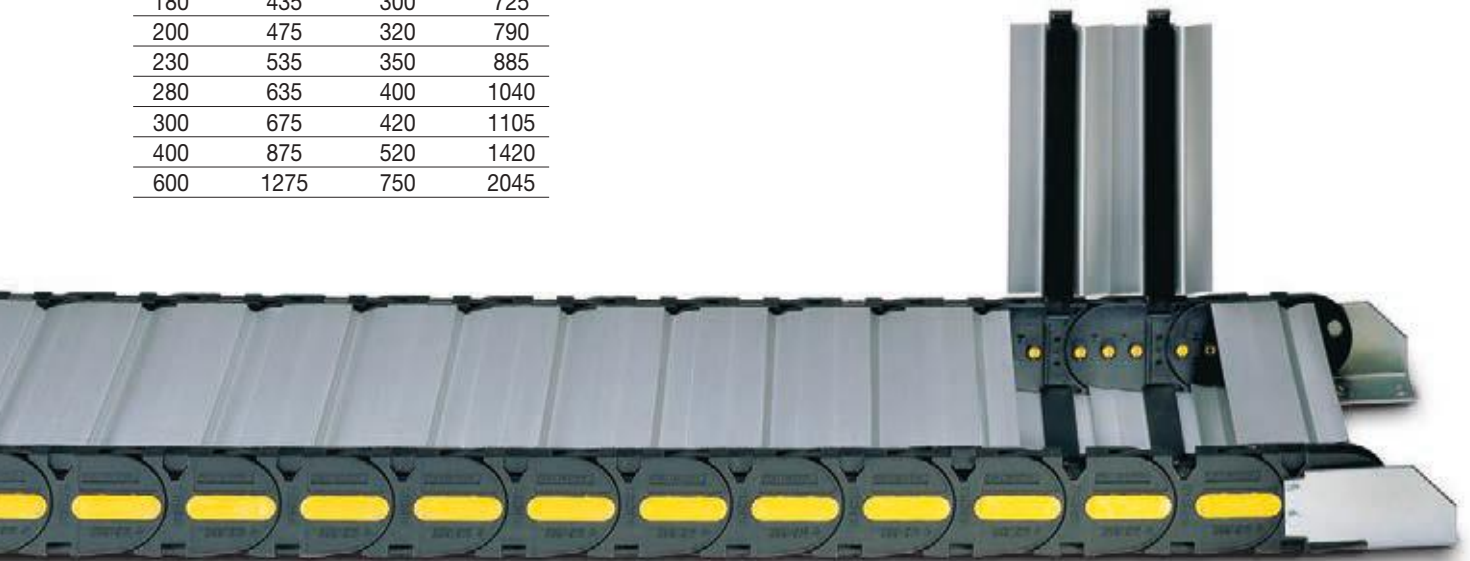
plus length of curve (M)

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

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 150     | 375     | 270     | 635     |
| 180     | 435     | 300     | 725     |
| 200     | 475     | 320     | 790     |
| 230     | 535     | 350     | 885     |
| 280     | 635     | 400     | 1040    |
| 300     | 675     | 420     | 1105    |
| 400     | 875     | 520     | 1420    |
| 600     | 1275    | 750     | 2045    |

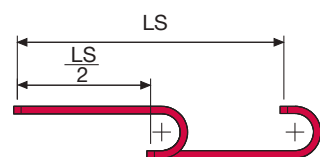
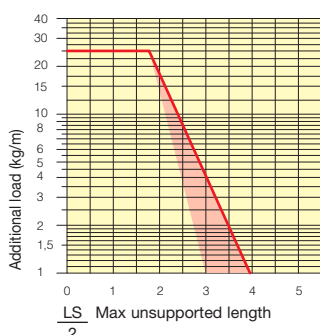
| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                         | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------------------|----------------|----------------------|
| 82      | 75      | 38      | 57      | 150-180-200-230-280-300-400-600 | 2,90           | 308CU038 □□□ *       |
| 93      | 75      | 49      | 57      | 150-180-200-230-280-300-400-600 | 3,01           | 308CU049 □□□ *       |
| 107     | 75      | 63      | 57      | 150-180-200-230-280-300-400-600 | 3,19           | 308CU063 □□□ *       |
| 113     | 75      | 69      | 57      | 150-180-200-230-280-300-400-600 | 3,27           | 308CU069 □□□ *       |
| 117     | 75      | 73      | 57      | 150-180-200-230-280-300-400-600 | 3,35           | 308CU073 □□□ *       |
| 127     | 75      | 83      | 57      | 150-180-200-230-280-300-400-600 | 3,43           | 308CU083 □□□ *       |
| 132     | 75      | 88      | 57      | 150-180-200-230-280-300-400-600 | 3,48           | 308CU088 □□□ *       |
| 139     | 75      | 95      | 57      | 150-180-200-230-280-300-400-600 | 3,56           | 308CU095 □□□ *       |
| 149     | 75      | 105     | 57      | 150-180-200-230-280-300-400-600 | 3,67           | 308CU105 □□□ *       |
| 157     | 75      | 113     | 57      | 150-180-200-230-280-300-400-600 | 3,77           | 308CU113 □□□ *       |
| 168     | 75      | 124     | 57      | 150-180-200-230-280-300-400-600 | 3,91           | 308CU124 □□□ *       |
| 182     | 75      | 138     | 57      | 150-180-200-230-280-300-400-600 | 4,06           | 308CU138 □□□ *       |
| 207     | 75      | 163     | 57      | 150-180-200-230-280-300-400-600 | 4,36           | 308CU163 □□□ *       |
| 232     | 75      | 188     | 57      | 150-180-200-230-280-300-400-600 | 4,65           | 308CU188 □□□ *       |
| 243     | 75      | 199     | 57      | 150-180-200-230-280-300-400-600 | 4,78           | 308CU199 □□□ *       |
| 257     | 75      | 213     | 57      | 150-180-200-230-280-300-400-600 | 4,94           | 308CU213 □□□ *       |
| 284     | 75      | 240     | 57      | 150-180-200-230-280-300-400-600 | 5,25           | 308CU240 □□□ *       |
| 293     | 75      | 249     | 57      | 150-180-200-230-280-300-400-600 | 5,37           | 308CU249 □□□ *       |
| 318     | 75      | 274     | 57      | 150-180-200-230-280-300-400-600 | 5,48           | 308CU274 □□□ *       |
| 344     | 75      | 300     | 57      | 150-180-200-230-280-300-400-600 | 5,95           | 308CU300 □□□ *       |
| 366     | 75      | 322     | 57      | 150-180-200-230-280-300-400-600 | 6,20           | 308CU322 □□□ *       |
| 394     | 75      | 350     | 57      | 150-180-200-230-280-300-400-600 | 6,11           | 308CU350 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 308CU105 □ □ □ □



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

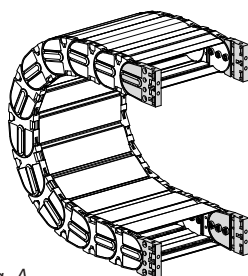
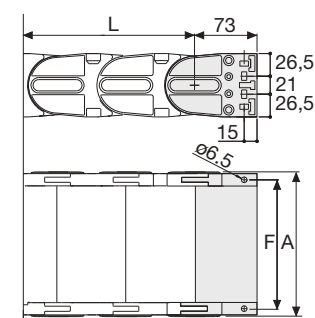


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 308CU038   | 62   |
| 308CU049   | 73   |
| 308CU063   | 87   |
| 308CU069   | 93   |
| 308CU073   | 97   |
| 308CU083   | 107  |
| 308CU088   | 112  |
| 308CU095   | 119  |
| 308CU105   | 129  |
| 308CU113   | 137  |
| 308CU124   | 148  |
| 308CU138   | 162  |
| 308CU163   | 187  |
| 308CU188   | 212  |
| 308CU199   | 223  |
| 308CU213   | 237  |
| 308CU240   | 264  |
| 308CU249   | 273  |
| 308CU274   | 298  |
| 308CU300   | 324  |
| 308CU322   | 346  |
| 308CU350   | 374  |

### Nylon Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 308                               | AN308C□□□*KM     |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 308                                 | AN308C□□□*K      |

### Bright Zinc Plated Steel Type\*\*\*

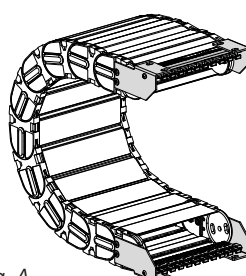
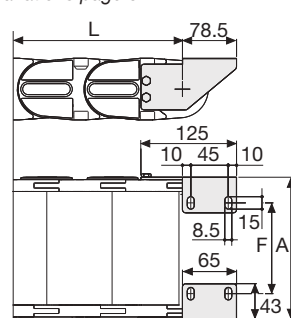


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



| Chain Type | F mm |
|------------|------|
| 308CU038   | -    |
| 308CU049   | 31   |
| 308CU063   | 45   |
| 308CU069   | 51   |
| 308CU073   | 55   |
| 308CU083   | 65   |
| 308CU088   | 70   |
| 308CU095   | 77   |
| 308CU105   | 87   |
| 308CU113   | 95   |
| 308CU124   | 106  |
| 308CU138   | 120  |
| 308CU163   | 145  |
| 308CU188   | 170  |
| 308CU199   | 181  |
| 308CU213   | 195  |
| 308CU240   | 222  |
| 308CU249   | 231  |
| 308CU274   | 256  |
| 308CU300   | 282  |
| 308CU322   | 304  |
| 308CU350   | 332  |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled Chain Type | End Brackets Set |
|-----------------------------------|------------------|
| 308                               | A308CU□□□*KM□**  |

| Complete Set Unassembled Chain Type | End Brackets Set |
|-------------------------------------|------------------|
| 308                                 | A308CU□□□*K□**   |

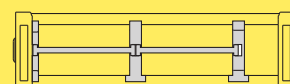
**Tiewrap Clamp**  
Assembl. SFCT308S □□□\*KM  
Unassembl. SFCT308S □□□\*K

\* Inner width (C)  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
\*\*\* Available on request in stainless steel

## Serie Protection

### 308CU

Nylon Protection Cable Chain with opening aluminium covers



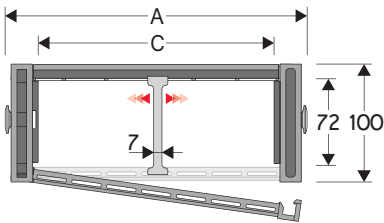
**Separation System**  
To choose the separators see page. 216

# Serie Protection

## 309C Nylon Protection Cable Chain with opening covers

### Inner height (D) 72 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin.  
Covers are opening from outer radius  
Vertical and horizontal separator systems are available.



| Separator     |                  |
|---------------|------------------|
| - Unassembled | Part.no S309PO   |
| - Assembled   | Part.no S309POMC |
| Pin           |                  |
|               | Part.no PG309    |

### Technical characteristics when self-supported

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

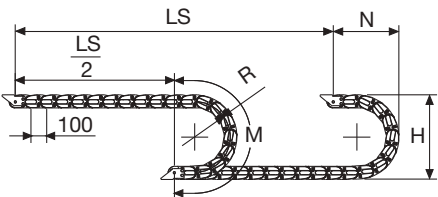
For higher requirements please consult our technical dept.

| A   | B   | C   | D  | R                       | Weight/m | Chain         |
|-----|-----|-----|----|-------------------------|----------|---------------|
| mm  | mm  | mm  | mm | mm                      | kg       | Part Number   |
| 253 | 100 | 200 | 72 | 200-250-300-350-400-500 | 5,7      | 309C200 □□□ * |
| 353 | 100 | 300 | 72 | 200-250-300-350-400-500 | 6,8      | 309C300 □□□ * |
| 453 | 100 | 400 | 72 | 200-250-300-350-400-500 | 7,9      | 309C400 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 309C200 □ □ □ □

4

| R   | H    | N   | M    |
|-----|------|-----|------|
| mm  | mm   | mm  | mm   |
| 200 | 506  | 350 | 830  |
| 250 | 606  | 400 | 985  |
| 300 | 706  | 455 | 1145 |
| 350 | 806  | 500 | 1300 |
| 400 | 906  | 555 | 1460 |
| 500 | 1106 | 650 | 1770 |



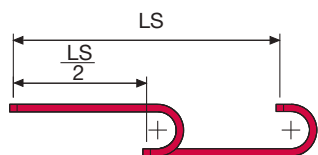
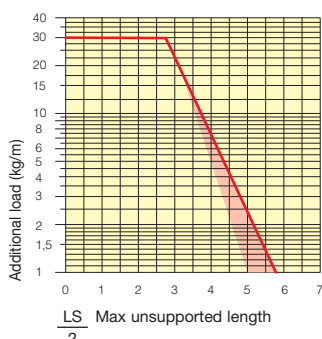
Length of chain (L)  
Half travel distance ( $\frac{LS}{2}$ )  
plus length of curve (M)

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



## 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.

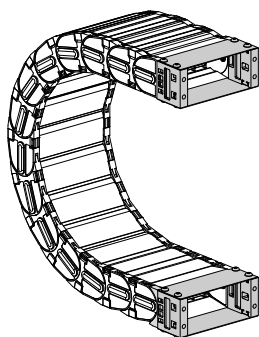
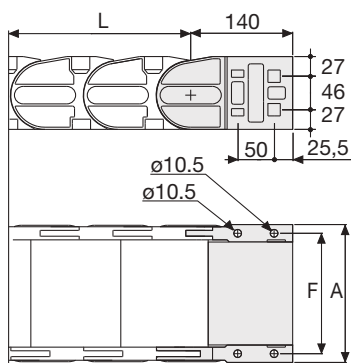


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 309C200    | 229  |
| 309C300    | 329  |
| 309C400    | 429  |

## Nylon Type Part Numbers

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain Type             | End Brackets Set |
| 309C200                | AN309C200KM      |
| 309C300                | AN309C300KM      |
| 309C400                | AN309C400KM      |

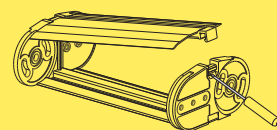
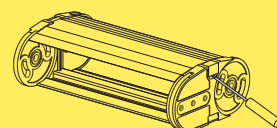
| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain Type               | End Brackets Set |
| 309C200                  | AN309C200K       |
| 309C300                  | AN309C300K       |
| 309C400                  | AN309C400K       |

## Serie Protection

### 309C

Nylon Protection Cable Chain  
with opening covers

How to open the cover.



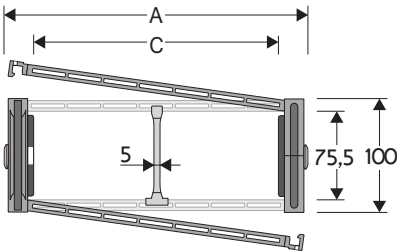


Serie Protection

309CU
Nylon Protection Cable Chain
with opening aluminium covers

Inner height (D) 75,5 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin.
Covers are opening from inner and outer radius.
Vertical separators are available.

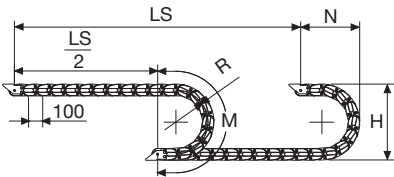


Separator
- Unassembled Part.no S309S/3178
- Assembled Part.no S309S/3178MCI for chain opening outer radius
- Assembled Part.no S309S/3178MCE for chain opening inner radius
Pin
Part.no PG309H

Technical characteristics when self-supported

Speed 8 m/s
Acceleration 40 m/s²

For higher requirements please consult our technical dept.



Length of chain (L)
Half travel distance (LS/2)
plus length of curve (M)

L = (LS/2) + M

Table with 8 columns: A (mm), B (mm), C (mm), D (mm), R (mm), Weight/m (kg), Chain Part Number. It lists various configurations and their corresponding part numbers.

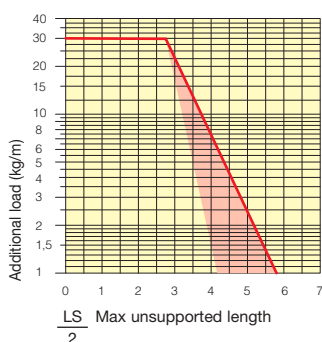
\*Complete the code by inserting the value of the radius (R): Ex. 309CU [R] [R] [R]

Table with 4 columns: R (mm), H (mm), N (mm), M (mm). It provides specific dimensions for different chain configurations.



## 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. Set complete with tiewrap clamps available on request.

### Nylon Type

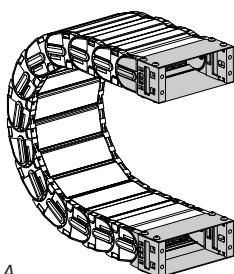


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)

### Bright Zinc Plated Steel Type\*\*\*

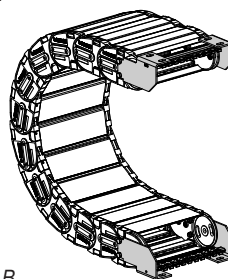
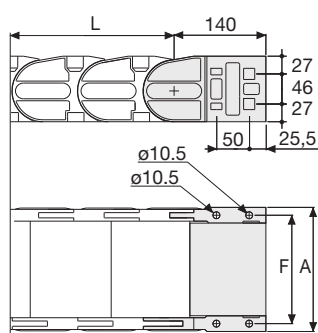


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.

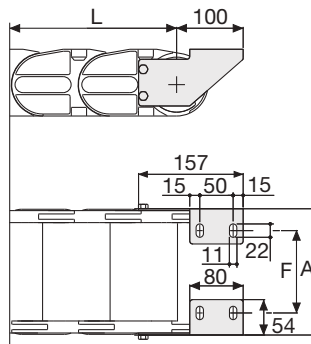


| Chain Type | F mm |
|------------|------|
| 309CU064   | 92   |
| 309CU084   | 112  |
| 309CU109   | 137  |
| 309CU116   | 144  |
| 309CU139   | 167  |
| 309CU179   | 207  |
| 309CU214   | 242  |
| 309CU240   | 268  |
| 309CU264   | 292  |
| 309CU290   | 318  |
| 309CU314   | 342  |
| 309CU340   | 368  |
| 309CU364   | 392  |
| 309CU419   | 447  |
| 309CU488   | 516  |

### Nylon Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 309        | AN309C□□□*KM     |

| Chain Type | End Brackets Set |
|------------|------------------|
| 309        | AN309C□□□*K      |



| Chain Type | F mm |
|------------|------|
| 309CU064   | 50   |
| 309CU084   | 70   |
| 309CU109   | 95   |
| 309CU116   | 102  |
| 309CU139   | 125  |
| 309CU179   | 165  |
| 309CU214   | 200  |
| 309CU240   | 226  |
| 309CU264   | 250  |
| 309CU290   | 276  |
| 309CU314   | 300  |
| 309CU340   | 326  |
| 309CU364   | 350  |
| 309CU419   | 405  |
| 309CU488   | 474  |

### Bright Zinc Plated Steel Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 309        | A309CU□□□*KM□**  |

| Chain Type | End Brackets Set |
|------------|------------------|
| 309        | A309CU□□□*K□**   |

### Tiewrap Clamp

Assembl. SFCT309S □□□ \*KM

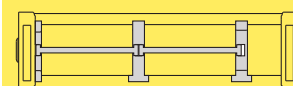
Unassembl. SFCT309S □□□ \*K

\* Inner width (C)  
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
\*\*\* Available on request in stainless steel

## Serie Protection

### 309CU

Nylon Protection Cable Chain with opening aluminium covers



Separation System  
To choose the separators see page. 216

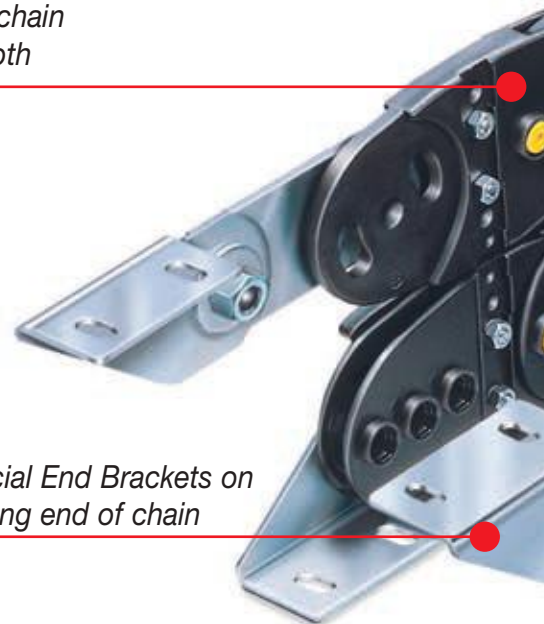


# Nylon Cable Chains Sliding Series

|                                                     |          |
|-----------------------------------------------------|----------|
| 326SU Series                                        | page 160 |
| 326B Series                                         | page 162 |
| 328SU Series                                        | page 164 |
| 328B Series                                         | page 166 |
| 329B Series                                         | page 168 |
| 329SU Series                                        | page 170 |
| 329CD Series                                        | page 172 |
| 478MU Series                                        | page 174 |
| 478PU Series                                        | page 176 |
| 60PU/R1 Series                                      | page 178 |
| 80PU/R1 Series                                      | page 180 |
| Channel guide for long travel distance              |          |
| For 445-660A-770A-326-328 20P-30P-60-H45-H57 Series | page 182 |
| For 478-319-329-80-35P-35PC-40P-H80-H110 Series     | page 184 |
| For 326-328-60-H57 Series                           | page 186 |

*Inner surface of chain  
completely smooth*

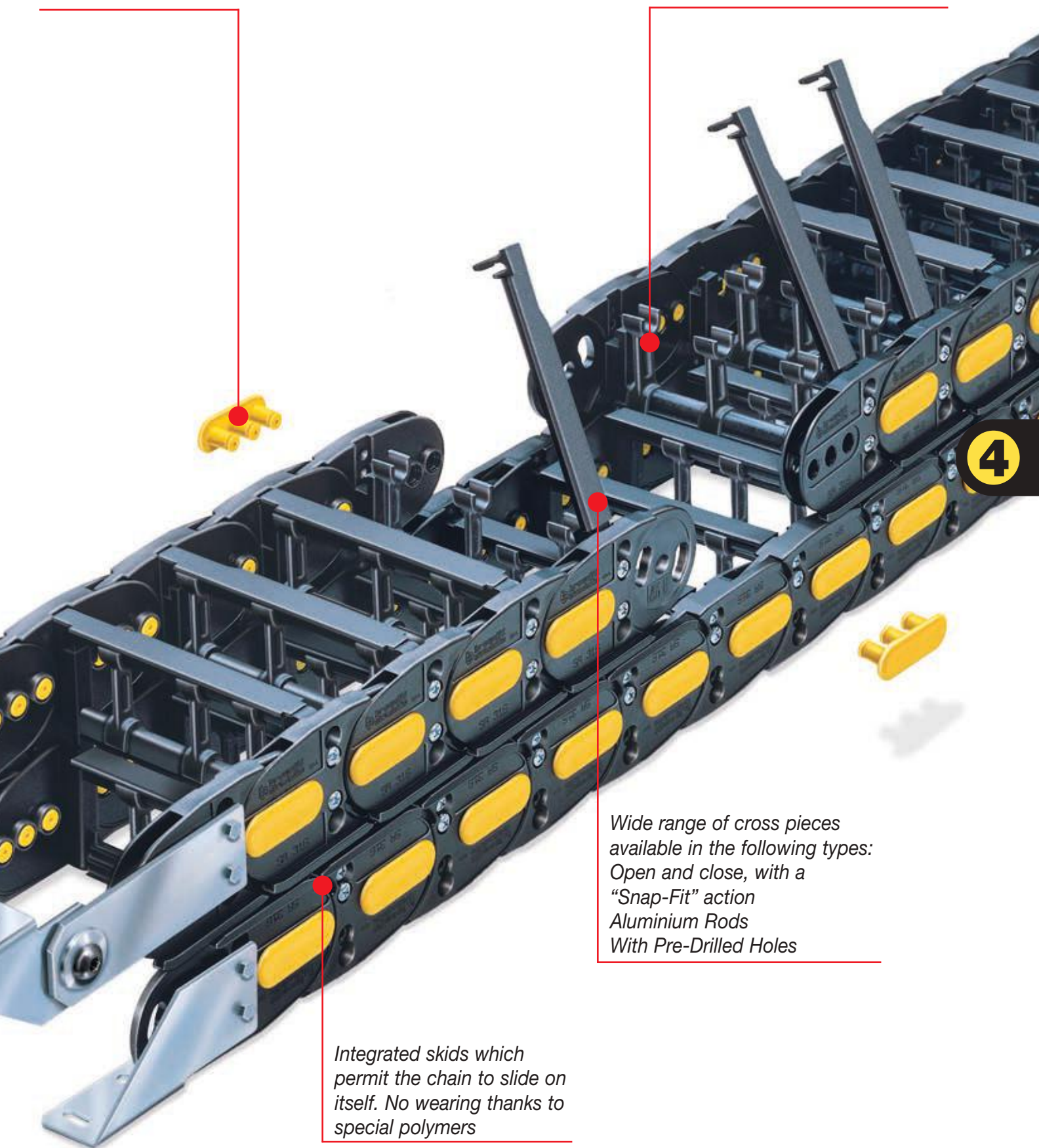
*Special End Brackets on  
moving end of chain*





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

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



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

*Integrated skids which permit the chain to slide on itself. No wearing thanks to special polymers*



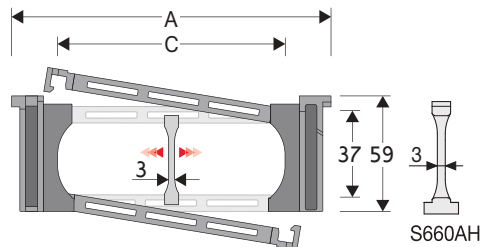
# Serie Sliding

## 326SU

### Nylon Sliding Cable Chain with opening frames

#### Inner height (D) 37 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. The chain incorporates large sliding-skid surfaces to offer durability, even with high speed/loads. Frames opening from inner radius and outer radius. As standard the chain comes with frames every second link, on request with frames every link. Modular separator systems are available.



#### Separator

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S306SM  |
| - Assembled   | Part.no S306SMC |

#### Strong-hold separator

for C > 200 mm

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S660AH    |
| - Assembled   | Part.no S660AHMCI |
| - Assembled   | Part.no S660AHMCE |

for chain opening inner radius

Pin Part.no PG307

#### Technical characteristics

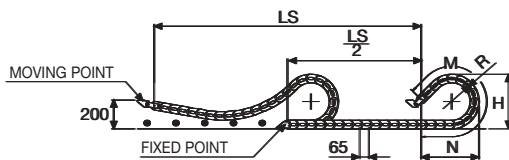
|              |                    |
|--------------|--------------------|
| Speed        | 2 m/s              |
| Acceleration | 4 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm             | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|---------------------|----------------|----------------------|
| 106     | 59      | 61      | 37      | 107-150-200-250-300 | 1,33           | 326SU061 □□□ *       |
| 117     | 59      | 72      | 37      | 107-150-200-250-300 | 1,33           | 326SU072 □□□ *       |
| 131     | 59      | 86      | 37      | 107-150-200-250-300 | 1,40           | 326SU086 □□□ *       |
| 137     | 59      | 92      | 37      | 107-150-200-250-300 | 1,41           | 326SU092 □□□ *       |
| 141     | 59      | 96      | 37      | 107-150-200-250-300 | 1,43           | 326SU096 □□□ *       |
| 151     | 59      | 106     | 37      | 107-150-200-250-300 | 1,46           | 326SU106 □□□ *       |
| 156     | 59      | 111     | 37      | 107-150-200-250-300 | 1,46           | 326SU111 □□□ *       |
| 163     | 59      | 118     | 37      | 107-150-200-250-300 | 1,48           | 326SU118 □□□ *       |
| 173     | 59      | 128     | 37      | 107-150-200-250-300 | 1,49           | 326SU128 □□□ *       |
| 181     | 59      | 136     | 37      | 107-150-200-250-300 | 1,54           | 326SU136 □□□ *       |
| 192     | 59      | 147     | 37      | 107-150-200-250-300 | 1,57           | 326SU147 □□□ *       |
| 206     | 59      | 161     | 37      | 107-150-200-250-300 | 1,61           | 326SU161 □□□ *       |
| 231     | 59      | 186     | 37      | 107-150-200-250-300 | 1,68           | 326SU186 □□□ *       |
| 256     | 59      | 211     | 37      | 107-150-200-250-300 | 1,75           | 326SU211 □□□ *       |
| 267     | 59      | 222     | 37      | 107-150-200-250-300 | 1,79           | 326SU222 □□□ *       |
| 281     | 59      | 236     | 37      | 107-150-200-250-300 | 1,83           | 326SU236 □□□ *       |
| 308     | 59      | 263     | 37      | 107-150-200-250-300 | 1,91           | 326SU263 □□□ *       |
| 317     | 59      | 272     | 37      | 107-150-200-250-300 | 1,93           | 326SU272 □□□ *       |
| 342     | 59      | 297     | 37      | 107-150-200-250-300 | 2,00           | 326SU297 □□□ *       |
| 368     | 59      | 323     | 37      | 107-150-200-250-300 | 2,06           | 326SU323 □□□ *       |
| 390     | 59      | 345     | 37      | 107-150-200-250-300 | 2,10           | 326SU345 □□□ *       |
| 418     | 59      | 373     | 37      | 107-150-200-250-300 | 2,21           | 326SU373 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 326SU118 □ □ □ □

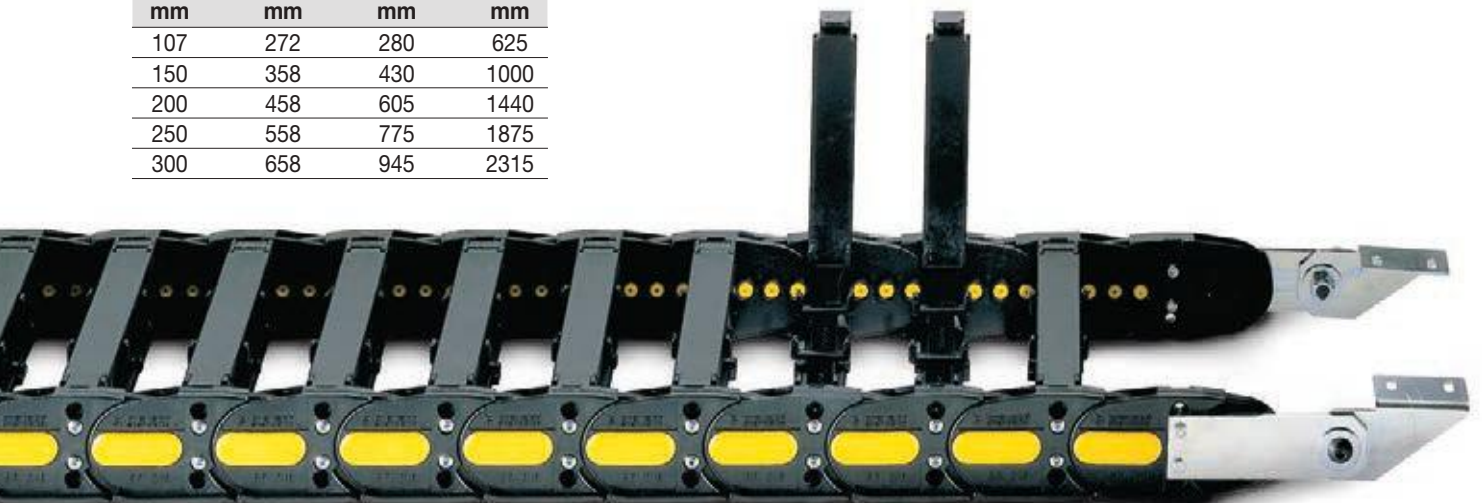
Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 326SU118150 □ □



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

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

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 107     | 272     | 280     | 625     |
| 150     | 358     | 430     | 1000    |
| 200     | 458     | 605     | 1440    |
| 250     | 558     | 775     | 1875    |
| 300     | 658     | 945     | 2315    |



Version with frames mounted on every pitch.

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel Movable Type\*\*\* (moving point)**      **Bright Zinc Plated Steel Type\*\*\* (fixed point)**

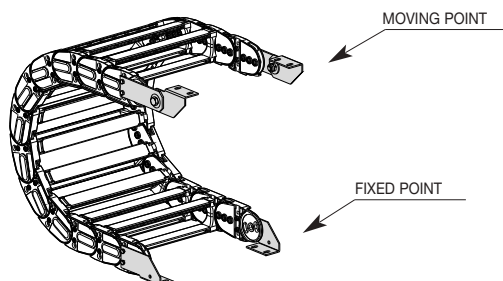
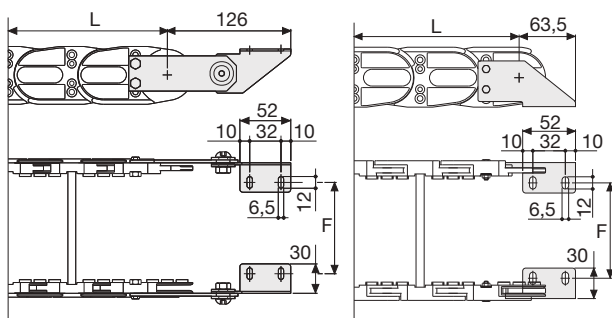


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 326SU061   | 58   |
| 326SU072   | 69   |
| 326SU086   | 83   |
| 326SU092   | 89   |
| 326SU096   | 93   |
| 326SU106   | 103  |
| 326SU111   | 108  |
| 326SU118   | 115  |
| 326SU128   | 125  |
| 326SU136   | 133  |
| 326SU147   | 144  |
| 326SU161   | 158  |
| 326SU186   | 183  |
| 326SU211   | 208  |
| 326SU222   | 219  |
| 326SU236   | 233  |
| 326SU263   | 260  |
| 326SU272   | 269  |
| 326SU297   | 294  |
| 326SU323   | 320  |
| 326SU345   | 342  |
| 326SU373   | 370  |

## Bright Zinc Plated Steel Type Part Numbers

| Chain    | End Brackets |
|----------|--------------|
| Type     | Set          |
| 326SU... | A326KM□**    |

| Chain    | End Brackets |
|----------|--------------|
| Type     | Set          |
| 326SU... | A326K□**     |

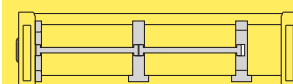
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3;

\*\*\* Available on request in stainless steel

## Serie Sliding

### 326SU

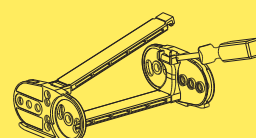
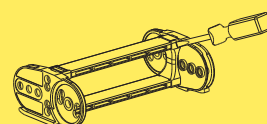
**Nylon Sliding Cable Chain with opening frames**



**Separation System**  
To choose the separators see page. 216

4

**How to open the cover.**



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



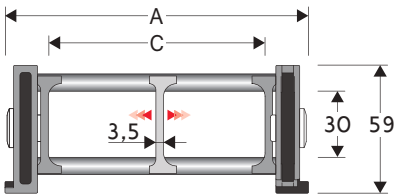
For further information please consult Brevetti Stendalto's Technical Office

# Serie Sliding

## 326B Nylon Sliding Cable Chain with un-screwable aluminium rods

### Inner height (D) 30 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. The chain incorporates large sliding-skid surfaces to offer durability, even with high speed/loads. The 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. Separator systems are available.



| Separator     |                  |
|---------------|------------------|
| - Unassembled | Part.no S2000F   |
| - Assembled   | Part.no S2000FMC |
| Pin           |                  |
|               | Part.no PG307    |

### Technical characteristics

|              |                    |
|--------------|--------------------|
| Speed        | 2 m/s              |
| Acceleration | 4 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

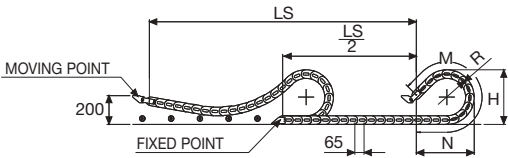
| A    | B  | C     | D  | R                   | Weight/m | Chain           |
|------|----|-------|----|---------------------|----------|-----------------|
| mm   | mm | mm    | mm | mm                  | kg       | Part Number     |
| 115  | 59 | 75    | 30 | 107-150-200-250-300 | 1,75     | 326B075 □□□ *   |
| 140  | 59 | 100   | 30 | 107-150-200-250-300 | 1,80     | 326B100 □□□ *   |
| 190  | 59 | 150   | 30 | 107-150-200-250-300 | 1,90     | 326B150 □□□ *   |
| 240  | 59 | 200   | 30 | 107-150-200-250-300 | 2,05     | 326B200 □□□ *   |
| 290  | 59 | 250   | 30 | 107-150-200-250-300 | 2,15     | 326B250 □□□ *   |
| 340  | 59 | 300   | 30 | 107-150-200-250-300 | 2,25     | 326B300 □□□ *   |
| C+40 | 59 | ..... | 30 | 107-150-200-250-300 |          | 326B □□□ □□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 326B100 □□□ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 326B □□□ □□□ □□□ □

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

Ex. 326B100150 □



| R   | H   | N   | M    |
|-----|-----|-----|------|
| mm  | mm  | mm  | mm   |
| 107 | 272 | 280 | 625  |
| 150 | 358 | 430 | 1000 |
| 200 | 458 | 605 | 1440 |
| 250 | 558 | 775 | 1875 |
| 300 | 658 | 945 | 2315 |

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

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



## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel  
Movable Type\*\*\*  
(moving point)**

**Bright Zinc Plated Steel  
Type\*\*\*  
(fixed point)**

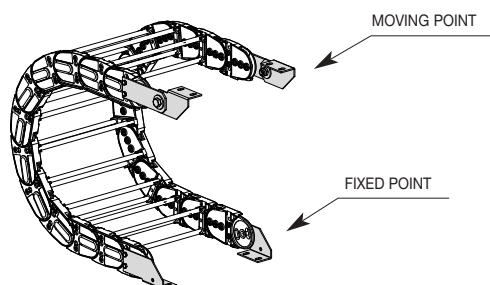
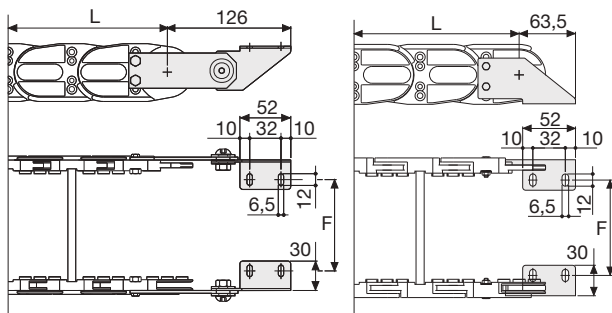


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type            | F mm |
|-----------------------|------|
| 326B075               | 67   |
| 326B100               | 92   |
| 326B150               | 142  |
| 326B200               | 192  |
| 326B250               | 242  |
| 326B300               | 292  |
| Special widths F=A-48 |      |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |              |
|------------------------|--------------|
| Chain                  | End Brackets |
| Type                   | Set          |
| 326B...                | A326KM□**    |

| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 326B...                  | A326K□**     |

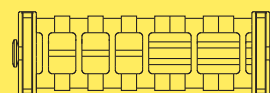
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3;

\*\*\* Available on request in stainless steel

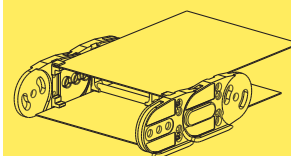
## Serie Sliding

### 326B

**Nylon Sliding Cable  
Chain with  
un-screwable  
aluminium rods**



Supplementary movable  
separators.



Steel laminar cover.

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



For further information please  
consult Brevetti Stendalto's  
Technical Office



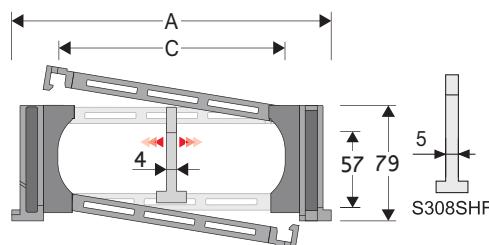
# Serie Sliding

## 328SU

### Nylon Sliding Cable Chain with opening frames

#### Inner height (D) 57 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. The chain incorporates large sliding-skid surfaces to offer durability, even with high speed/loads. Frames opening from inner radius and outer radius. As standard the chain comes with frames every second link, on request with frames every link. Modular separator systems are available.



#### Separator

- Unassembled Part.no S308C
- Assembled Part.no S308CMCI for chain opening outer radius
- Assembled Part.no S308CMCE for chain opening inner radius

#### Strong-hold separator

- for C > 200 mm
- Unassembled Part.no S308SHF
- Assembled Part.no S308SHFMC
- Assembled Part.no S308SHFMCE

#### Pin

Part.no PG328TP

#### Technical characteristics

Speed 3,5 m/s

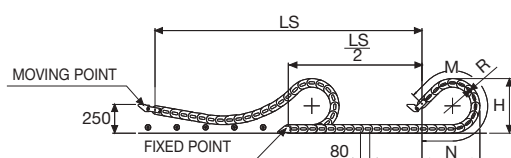
Acceleration 8 m/s<sup>2</sup>

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 119     | 79      | 61      | 57      | 150-180-200-230-280-400 | 2,70           | 328SU061 □□□ *       |
| 130     | 79      | 72      | 57      | 150-180-200-230-280-400 | 2,73           | 328SU072 □□□ *       |
| 144     | 79      | 86      | 57      | 150-180-200-230-280-400 | 2,76           | 328SU086 □□□ *       |
| 150     | 79      | 92      | 57      | 150-180-200-230-280-400 | 2,78           | 328SU092 □□□ *       |
| 154     | 79      | 96      | 57      | 150-180-200-230-280-400 | 2,80           | 328SU096 □□□ *       |
| 164     | 79      | 106     | 57      | 150-180-200-230-280-400 | 2,82           | 328SU106 □□□ *       |
| 169     | 79      | 111     | 57      | 150-180-200-230-280-400 | 2,82           | 328SU111 □□□ *       |
| 176     | 79      | 118     | 57      | 150-180-200-230-280-400 | 2,82           | 328SU118 □□□ *       |
| 186     | 79      | 128     | 57      | 150-180-200-230-280-400 | 2,86           | 328SU128 □□□ *       |
| 194     | 79      | 136     | 57      | 150-180-200-230-280-400 | 2,89           | 328SU136 □□□ *       |
| 205     | 79      | 147     | 57      | 150-180-200-230-280-400 | 2,89           | 328SU147 □□□ *       |
| 219     | 79      | 161     | 57      | 150-180-200-230-280-400 | 2,94           | 328SU161 □□□ *       |
| 244     | 79      | 186     | 57      | 150-180-200-230-280-400 | 3,01           | 328SU186 □□□ *       |
| 269     | 79      | 211     | 57      | 150-180-200-230-280-400 | 3,06           | 328SU211 □□□ *       |
| 280     | 79      | 222     | 57      | 150-180-200-230-280-400 | 3,08           | 328SU222 □□□ *       |
| 294     | 79      | 236     | 57      | 150-180-200-230-280-400 | 3,14           | 328SU236 □□□ *       |
| 321     | 79      | 263     | 57      | 150-180-200-230-280-400 | 3,20           | 328SU263 □□□ *       |
| 330     | 79      | 272     | 57      | 150-180-200-230-280-400 | 3,20           | 328SU272 □□□ *       |
| 355     | 79      | 297     | 57      | 150-180-200-230-280-400 | 3,29           | 328SU297 □□□ *       |
| 381     | 79      | 323     | 57      | 150-180-200-230-280-400 | 3,31           | 328SU323 □□□ *       |
| 403     | 79      | 345     | 57      | 150-180-200-230-280-400 | 3,36           | 328SU345 □□□ *       |
| 431     | 79      | 373     | 57      | 150-180-200-230-280-400 | 3,49           | 328SU373 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 328SU118 □ □ □ □

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 328SU118150 □ □



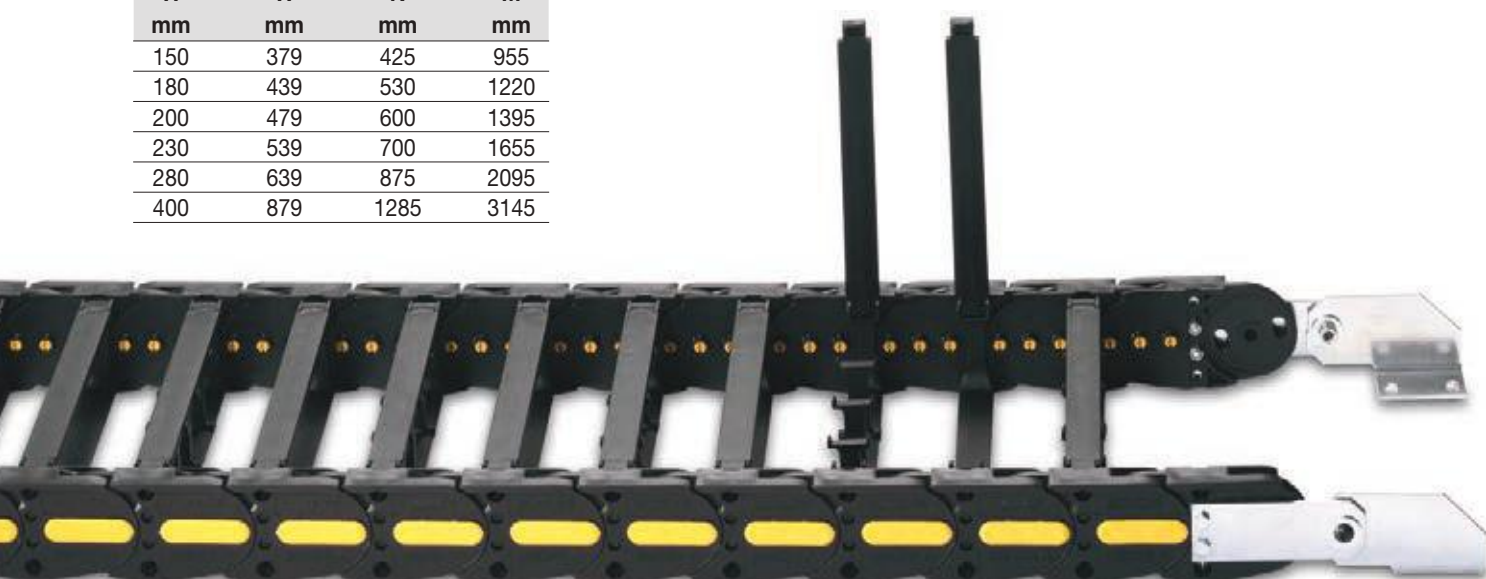
Length of chain (L)

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

plus length of curve (M)

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

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 150     | 379     | 425     | 955     |
| 180     | 439     | 530     | 1220    |
| 200     | 479     | 600     | 1395    |
| 230     | 539     | 700     | 1655    |
| 280     | 639     | 875     | 2095    |
| 400     | 879     | 1285    | 3145    |



Version with frames mounted on every pitch.

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel Movable Type\*\*\***  
(moving point)

**Bright Zinc Plated Steel Type\*\*\* (fixed point)**

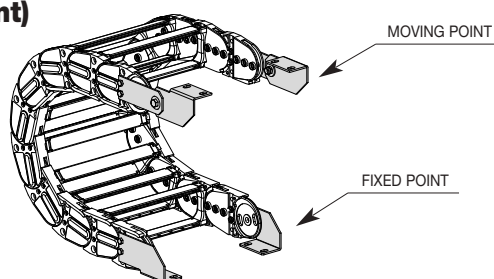
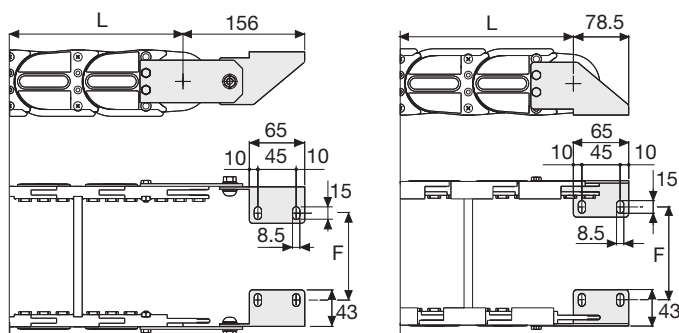


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 328SU061   | 44   |
| 328SU072   | 55   |
| 328SU086   | 69   |
| 328SU092   | 75   |
| 328SU096   | 79   |
| 328SU106   | 89   |
| 328SU111   | 94   |
| 328SU118   | 101  |
| 328SU128   | 111  |
| 328SU136   | 119  |
| 328SU147   | 130  |
| 328SU161   | 144  |
| 328SU186   | 169  |
| 328SU211   | 194  |
| 328SU222   | 205  |
| 328SU236   | 219  |
| 328SU263   | 246  |
| 328SU272   | 255  |
| 328SU297   | 280  |
| 328SU323   | 306  |
| 328SU345   | 328  |
| 328SU373   | 356  |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |              |
|------------------------|--------------|
| Chain                  | End Brackets |
| Type                   | Set          |
| 328SU...               | A328KM       |

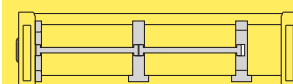
| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 328SU...                 | A328K        |

\*\*\* Available on request in stainless steel

## Serie Sliding

# 328SU

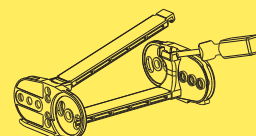
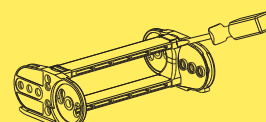
**Nylon Sliding Cable Chain with opening frames**



**Separation System**  
To choose the separators see page. 216

4

How to open the cover.



Special tool to remove the connecting pivots:  
Part Number PZ038.



For further information please consult Brevetti Stendalto's Technical Office

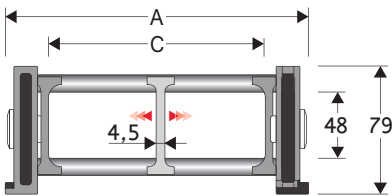
# Serie Sliding

## 328B

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

#### Inner height (D) 48 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. The chain incorporates large sliding-skid surfaces to offer durability, even with high speed/loads. The 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. Separator systems are available.



| Separator     |                  |
|---------------|------------------|
| - Unassembled | Part.no S3000F   |
| - Assembled   | Part.no S3000FMC |
| Pin           |                  |
|               | Part.no PG328TP  |

#### Technical characteristics

|              |                    |
|--------------|--------------------|
| Speed        | 3,5 m/s            |
| Acceleration | 8 m/s <sup>2</sup> |

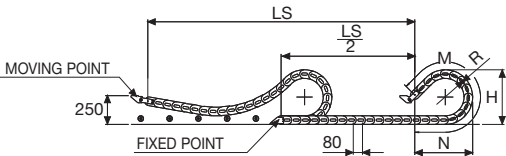
For higher requirements please consult our technical dept.

| A    | B  | C     | D  | R                       | Weight/m | Chain           |
|------|----|-------|----|-------------------------|----------|-----------------|
| mm   | mm | mm    | mm | mm                      | kg       | Part Number     |
| 162  | 79 | 100   | 48 | 150-180-200-230-280-400 | 2,50     | 328B100 □□□ *   |
| 212  | 79 | 150   | 48 | 150-180-200-230-280-400 | 2,60     | 328B150 □□□ *   |
| 262  | 79 | 200   | 48 | 150-180-200-230-280-400 | 2,75     | 328B200 □□□ *   |
| 312  | 79 | 250   | 48 | 150-180-200-230-280-400 | 2,90     | 328B250 □□□ *   |
| 362  | 79 | 300   | 48 | 150-180-200-230-280-400 | 3,00     | 328B300 □□□ *   |
| C+62 | 79 | ..... | 48 | 150-180-200-230-280-400 |          | 328B □□□ □□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 328B100 □□□ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 328B □□□ □□□ □□□ □

Chain equipped with aluminium rods every pitch: complete the code by inserting the letter D.  
Ex. 328B100150 □□



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   |
| 150 | 379 | 425  | 955  |
| 180 | 439 | 530  | 1220 |
| 200 | 479 | 600  | 1395 |
| 230 | 539 | 700  | 1655 |
| 280 | 639 | 875  | 2095 |
| 400 | 879 | 1285 | 3145 |



## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel  
Movable Type\*\*\*  
(moving point)**

**Bright Zinc Plated Steel  
Type\*\*\*  
(fixed point)**

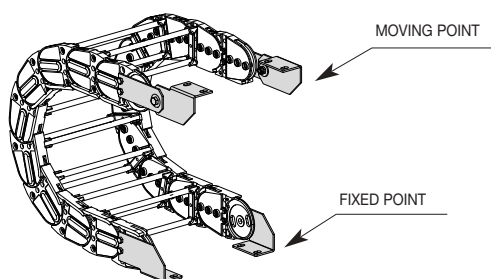
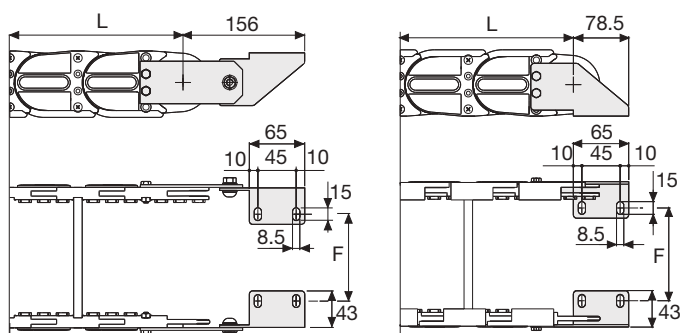


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type            | F mm |
|-----------------------|------|
| 328B100               | 87   |
| 328B150               | 137  |
| 328B200               | 187  |
| 328B250               | 237  |
| 328B300               | 287  |
| Special widths F=A-75 |      |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |              |
|------------------------|--------------|
| Chain                  | End Brackets |
| Type                   | Set          |
| 328B...                | A328KM       |

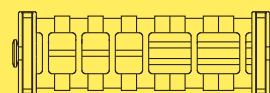
| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 328B...                  | A328K        |

\*\*\* Available on request in stainless steel

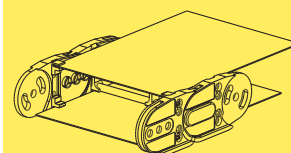
## Serie Sliding

### 328B

**Nylon Sliding Cable  
Chain  
with un-screwable  
aluminium rods**



Supplementary movable  
separators.



Steel laminar cover.

Special tool to remove the  
connecting pivots:  
Part Number PZ038.



For further information please  
consult Brevetti Stendalto's  
Technical Office

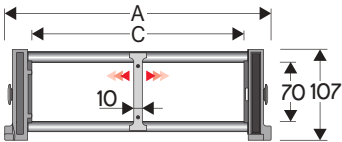


# Serie Sliding

## 329B Nylon Sliding Cable Chain with un-screwable aluminium rods

### Inner height (D) 70 mm

Strong double share Sideband & Frame construction with large anti-friction triple-pin. The chain incorporates large sliding-skid surfaces to offer durability, even with high speed/loads. The 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. Separator systems are available.



| Separator     |                 |
|---------------|-----------------|
| - Unassembled | Part.no S309C   |
| - Assembled   | Part.no S309CMC |
| Pin           |                 |
| Part.no PG329 |                 |

### Technical characteristics

|              |                     |
|--------------|---------------------|
| Speed        | 3 m/s               |
| Acceleration | 13 m/s <sup>2</sup> |

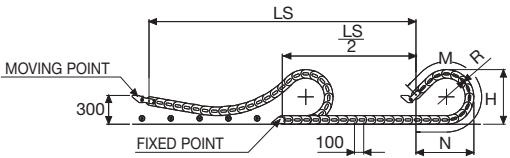
For higher requirements please consult our technical dept.

| A    | B   | C     | D  | R                               | Weight/m | Chain       |
|------|-----|-------|----|---------------------------------|----------|-------------|
| mm   | mm  | mm    | mm | mm                              | kg       | Part.no     |
| 164  | 107 | 100   | 70 | 150-200-250-300-350-400-500-600 | 4,25     | 329B100□□□* |
| 214  | 107 | 150   | 70 | 150-200-250-300-350-400-500-600 | 4,45     | 329B150□□□* |
| 264  | 107 | 200   | 70 | 150-200-250-300-350-400-500-600 | 4,60     | 329B200□□□* |
| 314  | 107 | 250   | 70 | 150-200-250-300-350-400-500-600 | 4,75     | 329B250□□□* |
| 364  | 107 | 300   | 70 | 150-200-250-300-350-400-500-600 | 4,90     | 329B300□□□* |
| 464  | 107 | 400   | 70 | 150-200-250-300-350-400-500-600 | 5,25     | 329B400□□□* |
| C+64 | 107 | ..... | 70 | 150-200-250-300-350-400-500-600 |          | 329B□□□□**  |

\*Complete the code by inserting the value of the radius (R): Ex. 329B150□□□□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 329B□□□□□□□□

Chain equipped with aluminium rods every pitch: complete the code by inserting the letter D.  
Ex. 329B150200□□



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   |
| 150 | 406  | 415  | 905  |
| 200 | 506  | 595  | 1345 |
| 250 | 606  | 765  | 1780 |
| 300 | 706  | 940  | 2220 |
| 350 | 806  | 1110 | 2655 |
| 400 | 906  | 1280 | 3095 |
| 500 | 1106 | 1625 | 3970 |
| 600 | 1306 | 1965 | 4845 |



## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel  
Movable Type\*\*\*  
(moving point)**

**Bright Zinc Plated Steel  
Type\*\*\*  
(fixed point)**

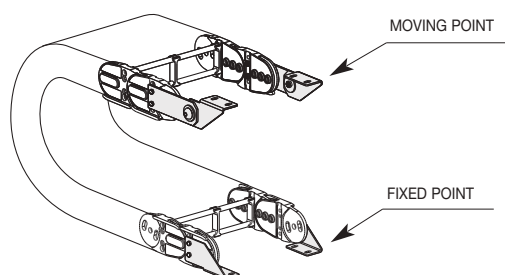
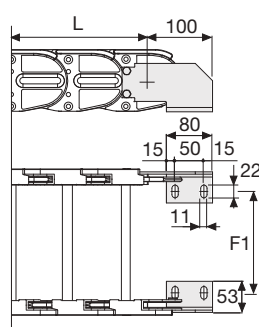
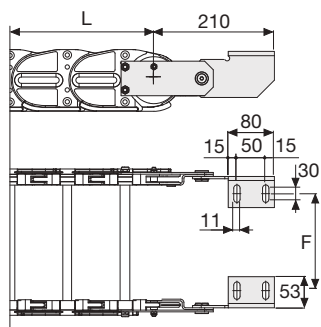


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type            | F mm |
|-----------------------|------|
| 329B100               | 76   |
| 329B150               | 126  |
| 329B200               | 176  |
| 329B250               | 226  |
| 329B300               | 276  |
| 329B400               | 376  |
| Special widths F=A-88 |      |

| Chain Type            | F1 mm |
|-----------------------|-------|
| 329B100               | 87    |
| 329B150               | 137   |
| 329B200               | 187   |
| 329B250               | 237   |
| 329B300               | 287   |
| 329B400               | 387   |
| Special widths F=A-77 |       |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |              |
|------------------------|--------------|
| Chain                  | End Brackets |
| Type                   | Set          |
| 329B...                | A329BKM      |

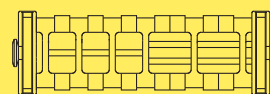
| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 329B...                  | A329BK       |

\*\*\* Available on request in stainless steel

## Serie Sliding

### 329B

**Nylon Sliding Cable  
Chain with un-screwable  
aluminium rods**



Supplementary movable  
separators.

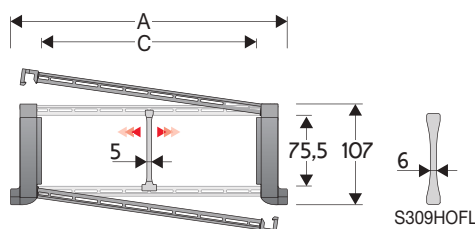
# Serie Sliding

## 329SU

### Nylon Sliding Cable Chain with opening frames

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

Strong double share Sideband & Frame construction with large anti-friction triple-pin. The chain incorporates large sliding-skid surfaces to offer durability, even with high speed/loads. Frames are opening from inner radius or outer radius. Vertical separators are available



| Separator             |                       |
|-----------------------|-----------------------|
| - Unassembled         | Part.no S309S/3178    |
| - Assembled*          | Part.no S309S/3178MCI |
| - Assembled**         | Part.no S309S/3178MCE |
| Strong-hold separator |                       |
| for C > 250 mm        |                       |
| - Unassembled         | Part.no S309HOFL      |
| - Assembled*          | Part.no S309HOFLMC    |
| Pin                   |                       |
|                       | Part.no PG329         |

\* for chain opening outer radius

\*\* for chain opening inner radius

#### Technical characteristics

Speed 3 m/s

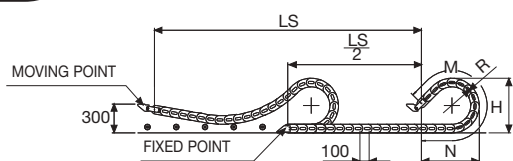
Acceleration 13 m/s<sup>2</sup>

For higher requirements please consult our technical dept.

| A   | B   | C   | D    | R                               | Weight/m | Chain          |
|-----|-----|-----|------|---------------------------------|----------|----------------|
| mm  | mm  | mm  | mm   | mm                              | kg       | Part Number    |
| 148 | 107 | 84  | 75,5 | 150-200-250-300-350-400-500-600 | 4,25     | 329SU084 □□□ * |
| 173 | 107 | 109 | 75,5 | 150-200-250-300-350-400-500-600 | 4,33     | 329SU109 □□□ * |
| 180 | 107 | 116 | 75,5 | 150-200-250-300-350-400-500-600 | 4,36     | 329SU116 □□□ * |
| 203 | 107 | 139 | 75,5 | 150-200-250-300-350-400-500-600 | 4,43     | 329SU139 □□□ * |
| 243 | 107 | 179 | 75,5 | 150-200-250-300-350-400-500-600 | 4,56     | 329SU179 □□□ * |
| 278 | 107 | 214 | 75,5 | 150-200-250-300-350-400-500-600 | 4,67     | 329SU214 □□□ * |
| 304 | 107 | 240 | 75,5 | 150-200-250-300-350-400-500-600 | 4,76     | 329SU240 □□□ * |
| 328 | 107 | 264 | 75,5 | 150-200-250-300-350-400-500-600 | 4,83     | 329SU264 □□□ * |
| 354 | 107 | 290 | 75,5 | 150-200-250-300-350-400-500-600 | 4,91     | 329SU290 □□□ * |
| 378 | 107 | 314 | 75,5 | 150-200-250-300-350-400-500-600 | 4,99     | 329SU314 □□□ * |
| 404 | 107 | 340 | 75,5 | 150-200-250-300-350-400-500-600 | 5,06     | 329SU340 □□□ * |
| 428 | 107 | 364 | 75,5 | 150-200-250-300-350-400-500-600 | 5,15     | 329SU364 □□□ * |
| 483 | 107 | 419 | 75,5 | 150-200-250-300-350-400-500-600 | 5,36     | 329SU419 □□□ * |
| 552 | 107 | 488 | 75,5 | 150-200-250-300-350-400-500-600 | 5,57     | 329SU488 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 329SU116 □ □ □ □

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D.  
Ex. 329SU116250 □



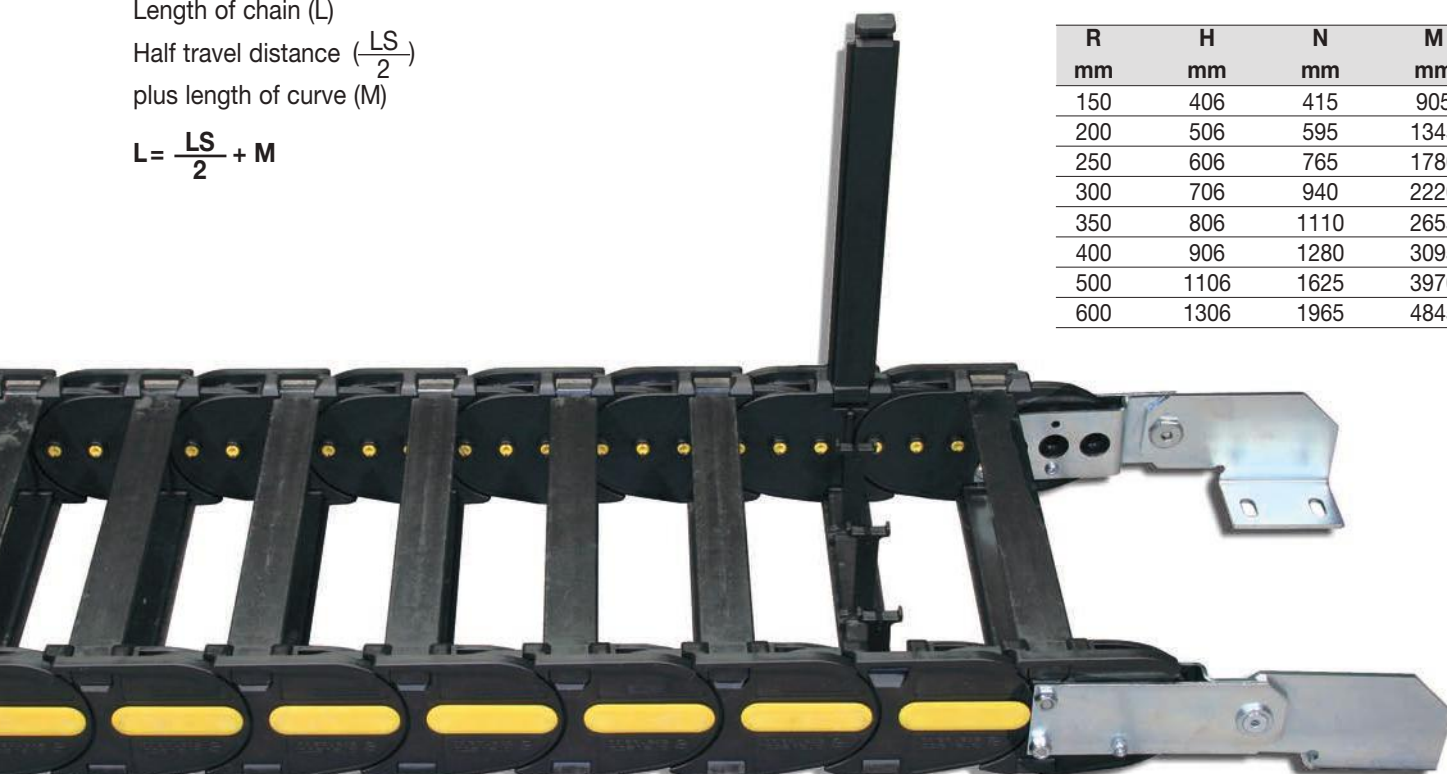
Length of chain (L)

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

plus length of curve (M)

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

| R   | H    | N    | M    |
|-----|------|------|------|
| mm  | mm   | mm   | mm   |
| 150 | 406  | 415  | 905  |
| 200 | 506  | 595  | 1345 |
| 250 | 606  | 765  | 1780 |
| 300 | 706  | 940  | 2220 |
| 350 | 806  | 1110 | 2655 |
| 400 | 906  | 1280 | 3095 |
| 500 | 1106 | 1625 | 3970 |
| 600 | 1306 | 1965 | 4845 |



## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

### Bright Zinc Plated Steel Movable Type\*\*\* (moving point)

### Bright Zinc Plated Steel Type\*\*\* (fixed point)

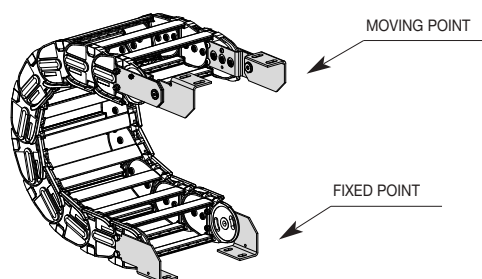
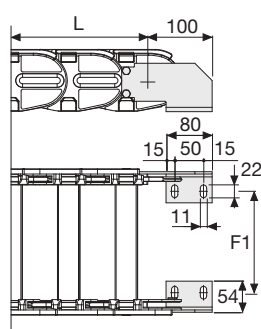
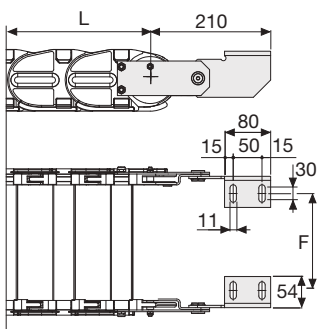


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 329SU084   | 60   |
| 329SU109   | 85   |
| 329SU116   | 92   |
| 329SU139   | 115  |
| 329SU179   | 155  |
| 329SU214   | 190  |
| 329SU240   | 216  |
| 329SU264   | 240  |
| 329SU290   | 266  |
| 329SU314   | 290  |
| 329SU340   | 316  |
| 329SU364   | 340  |
| 329SU419   | 395  |
| 329SU488   | 464  |

| Chain Type | F1 mm |
|------------|-------|
| 329SU084   | 71    |
| 329SU109   | 96    |
| 329SU116   | 103   |
| 329SU139   | 126   |
| 329SU179   | 166   |
| 329SU214   | 201   |
| 329SU240   | 227   |
| 329SU264   | 251   |
| 329SU290   | 277   |
| 329SU314   | 301   |
| 329SU340   | 327   |
| 329SU364   | 351   |
| 329SU419   | 406   |
| 329SU488   | 475   |

### Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain                  | Set          |
| 329SU..                | A329SKM□**   |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain                    | Set          |
| 329SU..                  | A329SU□□□*K  |

\* Inner width (C)

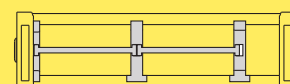
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

## Serie Sliding

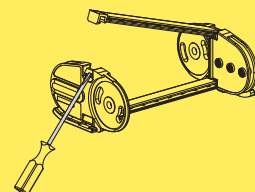
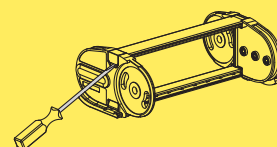
### 329SU

Nylon Sliding Cable  
Chain with opening  
frames



Separation System  
To choose the separators see  
page. 216

### How to open the cover





# Serie Sliding

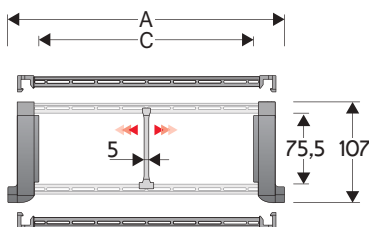
## 329CD

### Nylon Sliding Cable Chain with opening aluminium covers

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

Strong double share Sideband & Frame construction with large anti-friction triple-pin. The chain incorporates large sliding-skid surfaces to offer durability, even with high speed/loads. Aluminium covers are opening from inner radius or outer radius.

Vertical separators are available



#### Separator

|               |                                                         |
|---------------|---------------------------------------------------------|
| - Unassembled | Part.no S309S/3178                                      |
| - Assembled   | Part.no S309S/3178MCI<br>for chain opening outer radius |
| - Assembled   | Part.no S309S/3178MCE<br>for chain opening inner radius |

#### Pin

Part.no PG329

#### Technical characteristics

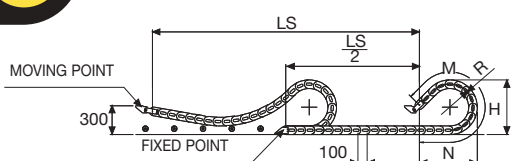
Speed 3 m/s

Acceleration 13 m/s<sup>2</sup>

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                     | Weight/m<br>kg | Chain<br>Part Number |
|---------|---------|---------|---------|-----------------------------|----------------|----------------------|
| 148     | 107     | 84      | 75,5    | 200-250-300-350-400-500-600 | 5,70           | 329CD084 □□□ *       |
| 173     | 107     | 109     | 75,5    | 200-250-300-350-400-500-600 | 6,11           | 329CD109 □□□ *       |
| 180     | 107     | 116     | 75,5    | 200-250-300-350-400-500-600 | 6,24           | 329CD116 □□□ *       |
| 203     | 107     | 139     | 75,5    | 200-250-300-350-400-500-600 | 6,62           | 329CD139 □□□ *       |
| 243     | 107     | 179     | 75,5    | 200-250-300-350-400-500-600 | 7,33           | 329CD179 □□□ *       |
| 278     | 107     | 214     | 75,5    | 200-250-300-350-400-500-600 | 7,96           | 329CD214 □□□ *       |
| 304     | 107     | 240     | 75,5    | 200-250-300-350-400-500-600 | 8,40           | 329CD240 □□□ *       |
| 328     | 107     | 264     | 75,5    | 200-250-300-350-400-500-600 | 8,80           | 329CD264 □□□ *       |
| 354     | 107     | 290     | 75,5    | 200-250-300-350-400-500-600 | 9,26           | 329CD290 □□□ *       |
| 378     | 107     | 314     | 75,5    | 200-250-300-350-400-500-600 | 9,68           | 329CD314 □□□ *       |
| 404     | 107     | 340     | 75,5    | 200-250-300-350-400-500-600 | 10,12          | 329CD340 □□□ *       |
| 428     | 107     | 364     | 75,5    | 200-250-300-350-400-500-600 | 10,55          | 329CD364 □□□ *       |
| 483     | 107     | 419     | 75,5    | 200-250-300-350-400-500-600 | 11,73          | 329CD419 □□□ *       |
| 552     | 107     | 488     | 75,5    | 200-250-300-350-400-500-600 | 12,91          | 329CD488 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 329CD116 □ □ □ □



Length of chain (L)

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

plus length of curve (M)

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

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 200     | 506     | 595     | 1345    |
| 250     | 606     | 765     | 1780    |
| 300     | 706     | 940     | 2220    |
| 350     | 806     | 1110    | 2655    |
| 400     | 906     | 1280    | 3095    |
| 500     | 1106    | 1625    | 3970    |
| 600     | 1306    | 1965    | 4845    |



## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel  
Movable Type\*\*\*  
(moving point)**

**Bright Zinc Plated Steel  
Type\*\*\*  
(fixed point)**

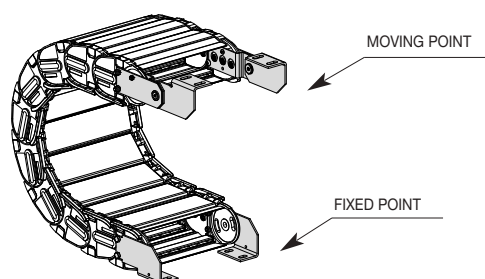
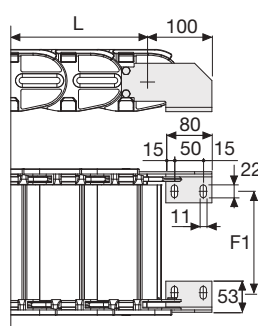
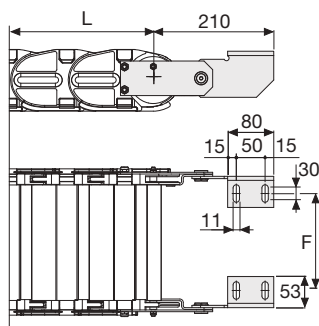


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 329CD084   | 60   |
| 329CD109   | 85   |
| 329CD116   | 92   |
| 329CD139   | 115  |
| 329CD179   | 155  |
| 329CD214   | 190  |
| 329CD240   | 216  |
| 329CD264   | 240  |
| 329CD290   | 266  |
| 329CD314   | 290  |
| 329CD340   | 316  |
| 329CD364   | 340  |
| 329CD419   | 395  |
| 329CD488   | 464  |

| Chain Type | F1 mm |
|------------|-------|
| 329CD084   | 71    |
| 329CD109   | 96    |
| 329CD116   | 103   |
| 329CD139   | 126   |
| 329CD179   | 166   |
| 329CD214   | 201   |
| 329CD240   | 227   |
| 329CD264   | 251   |
| 329CD290   | 277   |
| 329CD314   | 301   |
| 329CD340   | 327   |
| 329CD364   | 351   |
| 329CD419   | 406   |
| 329CD488   | 475   |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Type                   | Set          |
| 329SU..                | A329CKM□**   |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Type                     | Set          |
| 329SU..                  | A329CD□□□*K  |

\* Inner width (C)

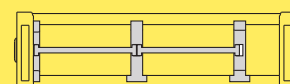
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

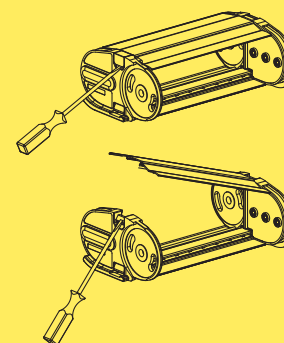
## Serie Sliding

### 329CD

**Nylon Sliding Cable  
Chain with opening  
aluminium covers**



**Separation System**  
To choose the separators see  
page. 216



**How to open the cover**

# Serie Sliding

# 478MU

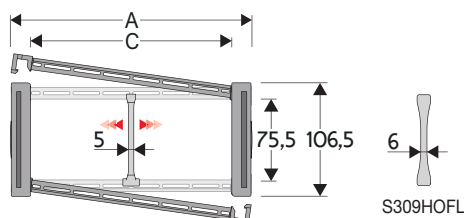
# Nylon Cable Chain with opening frames

## Inner height (D) 75,5 mm

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

As standard the chain comes with frames every second link, on request with frames every link.

Modular separator systems are available



## Separator

|               |                       |
|---------------|-----------------------|
| - Unassembled | Part.no S309S/3178    |
| - Assembled*  | Part.no S309S/3178MCI |
| - Assembled** | Part.no S309S/3178MCE |

## Strong-hold separator

for C > 250 mm

|               |                    |
|---------------|--------------------|
| - Unassembled | Part.no S309HOFL   |
| - Assembled   | Part.no S309HOFLMC |
| <b>Pin</b>    | Part.no PG475      |

\* for chain opening outer radius

\*\* for chain opening inner radius

## Technical characteristics

Speed 3 m/s

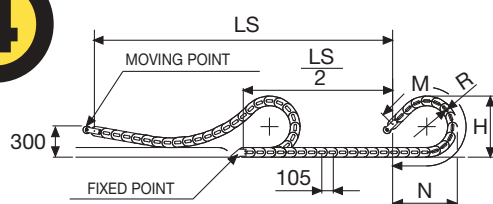
Acceleration 8 m/s<sup>2</sup>

For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm                 | Weight/m<br>kg | Chain<br>Part number |
|---------|---------|---------|---------|-------------------------|----------------|----------------------|
| 112     | 106,5   | 74      | 75,5    | 180-200-250-300-350-400 | 3,70           | 478MU074 □□□ *       |
| 132     | 106,5   | 94      | 75,5    | 180-200-250-300-350-400 | 3,80           | 478MU094 □□□ *       |
| 157     | 106,5   | 119     | 75,5    | 180-200-250-300-350-400 | 3,85           | 478MU119 □□□ *       |
| 164     | 106,5   | 126     | 75,5    | 180-200-250-300-350-400 | 3,90           | 478MU126 □□□ *       |
| 187     | 106,5   | 149     | 75,5    | 180-200-250-300-350-400 | 3,95           | 478MU149 □□□ *       |
| 227     | 106,5   | 189     | 75,5    | 180-200-250-300-350-400 | 4,05           | 478MU189 □□□ *       |
| 262     | 106,5   | 224     | 75,5    | 180-200-250-300-350-400 | 4,15           | 478MU224 □□□ *       |
| 288     | 106,5   | 250     | 75,5    | 180-200-250-300-350-400 | 4,25           | 478MU250 □□□ *       |
| 312     | 106,5   | 274     | 75,5    | 180-200-250-300-350-400 | 4,30           | 478MU274 □□□ *       |
| 338     | 106,5   | 300     | 75,5    | 180-200-250-300-350-400 | 4,37           | 478MU300 □□□ *       |
| 362     | 106,5   | 324     | 75,5    | 180-200-250-300-350-400 | 4,45           | 478MU324 □□□ *       |
| 388     | 106,5   | 350     | 75,5    | 180-200-250-300-350-400 | 4,55           | 478MU350 □□□ *       |
| 412     | 106,5   | 374     | 75,5    | 180-200-250-300-350-400 | 4,60           | 478MU374 □□□ *       |
| 467     | 106,5   | 429     | 75,5    | 180-200-250-300-350-400 | 4,80           | 478MU429 □□□ *       |
| 536     | 106,5   | 498     | 75,5    | 180-200-250-300-350-400 | 5,00           | 478MU498 □□□ *       |

\*Complete the code by inserting the value of the radius (R): Ex. 478MU119 □ □ □ □

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D. 478MU119150 □



Length of chain (L)

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

plus length of curve (M)

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

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 180     | 466,5   | 495     | 1155    |
| 200     | 506,5   | 570     | 1330    |
| 250     | 606,5   | 745     | 1765    |
| 300     | 706,5   | 920     | 2205    |
| 350     | 806,5   | 1090    | 2640    |
| 400     | 906,5   | 1265    | 3080    |



Version with frames mounted on every pitch.

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel Movable Type\*\*\***      **Bright Zinc Plated Steel Type\*\*\* (moving point) (fixed point)**

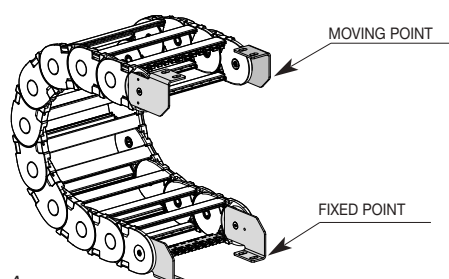
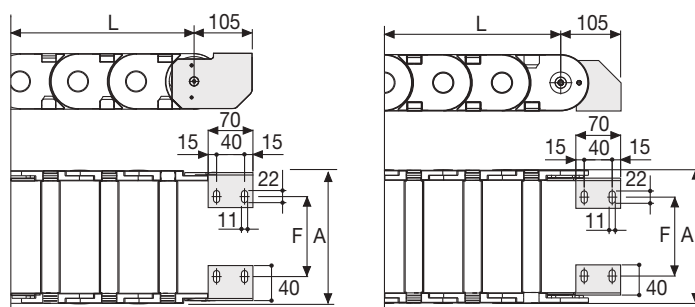


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 478MU074   | 35   |
| 478MU094   | 55   |
| 478MU119   | 80   |
| 478MU126   | 87   |
| 478MU149   | 110  |
| 478MU189   | 150  |
| 478MU224   | 185  |
| 478MU250   | 211  |
| 478MU274   | 235  |
| 478MU300   | 261  |
| 478MU324   | 285  |
| 478MU350   | 311  |
| 478MU374   | 335  |
| 478MU467   | 390  |
| 478MU498   | 459  |

## Bright Zinc Plated Steel Type Part Numbers

### Complete Set Assembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 478MU      | A478KM□**        |

### Complete Set Unassembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 478MU..    | A478K            |

### Tiewrap Clamp

|             | Part Number   |
|-------------|---------------|
| Assembled   | CFC478M□□□*KM |
| Unassembled | CFC478M□□□*K  |

\* Inner width (C)

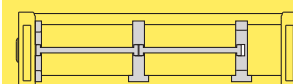
\*\* 1=Pos.1; 2=Pos.2

\*\*\* Available on request in stainless steel

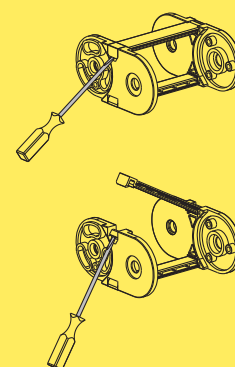
## Serie Sliding

# 478MU

Nylon Cable Chain  
with opening frames



Separation System  
To choose the separators see  
page. 216



How to open the cover.



# Serie Sliding

## 478PU

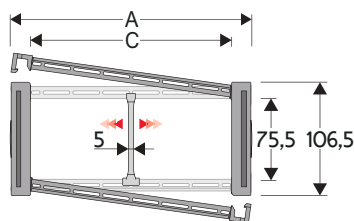
### Nylon Cable Chain with opening frames

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

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

Covers are opening from inner radius or from outer radius. Vertical and horizontal modular.

separator system are available.



#### Separator

|               |                       |
|---------------|-----------------------|
| - Unassembled | Part.no S309S/3178    |
| - Assembled*  | Part.no S309S/3178MCI |
| - Assembled** | Part.no S309S/3178MCE |

#### Pin

Part.no PG475

\* for chain opening outer radius

\*\* for chain opening inner radius

#### Technical characteristics

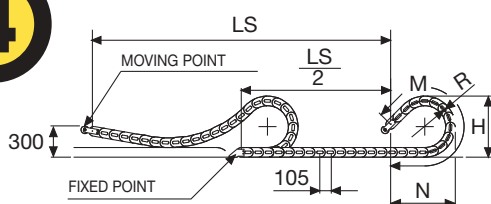
Speed 3 m/s

Acceleration 8 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 | 106,5 | 74  | 75,5 | 180-200-250-300-350-400 | 4,60     | 478PU074 □□□ * |
| 132 | 106,5 | 94  | 75,5 | 180-200-250-300-350-400 | 4,80     | 478PU094 □□□ * |
| 157 | 106,5 | 119 | 75,5 | 180-200-250-300-350-400 | 5,10     | 478PU119 □□□ * |
| 164 | 106,5 | 126 | 75,5 | 180-200-250-300-350-400 | 5,15     | 478PU126 □□□ * |
| 187 | 106,5 | 149 | 75,5 | 180-200-250-300-350-400 | 5,40     | 478PU149 □□□ * |
| 227 | 106,5 | 189 | 75,5 | 180-200-250-300-350-400 | 5,80     | 478PU189 □□□ * |
| 262 | 106,5 | 224 | 75,5 | 180-200-250-300-350-400 | 6,20     | 478PU224 □□□ * |
| 288 | 106,5 | 250 | 75,5 | 180-200-250-300-350-400 | 6,50     | 478PU250 □□□ * |
| 312 | 106,5 | 274 | 75,5 | 180-200-250-300-350-400 | 6,75     | 478PU274 □□□ * |
| 338 | 106,5 | 300 | 75,5 | 180-200-250-300-350-400 | 7,05     | 478PU300 □□□ * |
| 362 | 106,5 | 324 | 75,5 | 180-200-250-300-350-400 | 7,30     | 478PU324 □□□ * |
| 388 | 106,5 | 350 | 75,5 | 180-200-250-300-350-400 | 7,55     | 478PU350 □□□ * |
| 412 | 106,5 | 374 | 75,5 | 180-200-250-300-350-400 | 7,85     | 478PU374 □□□ * |
| 467 | 106,5 | 429 | 75,5 | 180-200-250-300-350-400 | 8,50     | 478PU429 □□□ * |
| 536 | 106,5 | 498 | 75,5 | 180-200-250-300-350-400 | 9,20     | 478PU498 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 478PU119 □ □ □ □



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   |
| 180 | 466,5 | 495  | 1155 |
| 200 | 506,5 | 570  | 1330 |
| 250 | 606,5 | 745  | 1765 |
| 300 | 706,5 | 920  | 2205 |
| 350 | 806,5 | 1090 | 2640 |
| 400 | 906,5 | 1265 | 3080 |



## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel Movable Type\*\*\***      **Bright Zinc Plated Steel Type\*\*\* (moving point) (fixed point)**

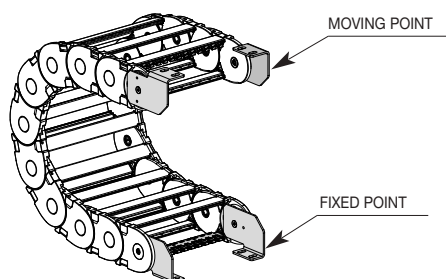
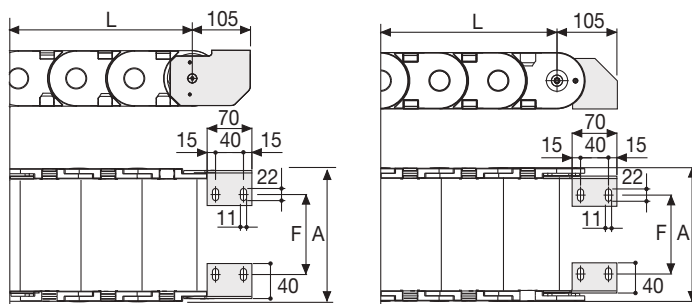


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 478PU074   | 35   |
| 478PU094   | 55   |
| 478PU119   | 80   |
| 478PU126   | 87   |
| 478PU149   | 110  |
| 478PU189   | 150  |
| 478PU224   | 185  |
| 478PU250   | 211  |
| 478PU274   | 235  |
| 478PU300   | 261  |
| 478PU324   | 285  |
| 478PU350   | 311  |
| 478PU374   | 335  |
| 478PU429   | 390  |
| 478PU498   | 459  |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain                  | Set          |
| Type                   | Set          |
| 478PU...               | A478KM□**    |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain                    | Set          |
| Type                     | Set          |
| 478PU...                 | A478K        |

| Tiewrap Clamp | Part Number   |
|---------------|---------------|
| Assembled     | CFC478M□□□*KM |
| Unassembled   | CFC478M□□□*K  |

\* Inner width (C)

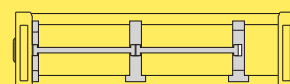
\*\* 1=Pos.1; 2=Pos.2

\*\*\* Available on request in stainless steel

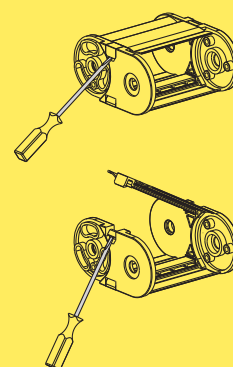
## Serie Sliding

### 478PU

Nylon Cable Chain  
with opening frames



Separation System  
To choose the separators see  
page. 216



How to open the cover.

# Serie Sliding

# 60PU/R1

## Nylon Cable Chain with opening frames

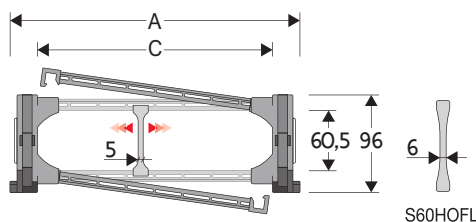
### Inner height (D) 60,5 mm

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

Frames opening from inner and outer radius.

As standard the chain comes with frames every second link, on request with frames every link.

Vertical separators are available



### Separator

- Unassembled Part.no S60SMF
- Assembled Part.no S60SMFMC

### Strong-hold separator

for C > 250 mm

- Unassembled Part.no S60HOFL
- Assembled Part.no S60HOFLMC

### Pin

Part.no PNE60-PNI60

### Technical characteristics

Speed 5 m/s

Acceleration 13 m/s<sup>2</sup>

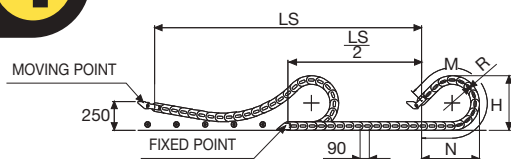
For higher requirements please consult our technical dept.

| A<br>mm | B<br>mm | C<br>mm | D<br>mm | R<br>mm         | Weight/m<br>kg | Chain<br>Part number |
|---------|---------|---------|---------|-----------------|----------------|----------------------|
| 169     | 96      | 115     | 60,5    | 200-250-300-400 | 5,37           | 60PU115 □□□ *        |
| 189     | 96      | 135     | 60,5    | 200-250-300-400 | 5,46           | 60PU135 □□□ *        |
| 214     | 96      | 160     | 60,5    | 200-250-300-400 | 5,52           | 60PU160 □□□ *        |
| 221     | 96      | 167     | 60,5    | 200-250-300-400 | 5,54           | 60PU167 □□□ *        |
| 244     | 96      | 190     | 60,5    | 200-250-300-400 | 5,61           | 60PU190 □□□ *        |
| 284     | 96      | 230     | 60,5    | 200-250-300-400 | 5,77           | 60PU230 □□□ *        |
| 319     | 96      | 265     | 60,5    | 200-250-300-400 | 5,91           | 60PU265 □□□ *        |
| 345     | 96      | 291     | 60,5    | 200-250-300-400 | 5,99           | 60PU291 □□□ *        |
| 369     | 96      | 315     | 60,5    | 200-250-300-400 | 6,07           | 60PU315 □□□ *        |
| 395     | 96      | 341     | 60,5    | 200-250-300-400 | 6,17           | 60PU341 □□□ *        |
| 419     | 96      | 365     | 60,5    | 200-250-300-400 | 6,26           | 60PU365 □□□ *        |
| 445     | 96      | 391     | 60,5    | 200-250-300-400 | 6,34           | 60PU391 □□□ *        |
| 469     | 96      | 415     | 60,5    | 200-250-300-400 | 6,43           | 60PU415 □□□ *        |
| 524     | 96      | 470     | 60,5    | 200-250-300-400 | 6,75           | 60PU470 □□□ *        |
| 593     | 96      | 539     | 60,5    | 200-250-300-400 | 7,08           | 60PU539 □□□ *        |

\*Complete the code by inserting the value of the radius (R): Ex. 60PU115 [2] [5] [0]

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D. 60PU115250 [D]

4



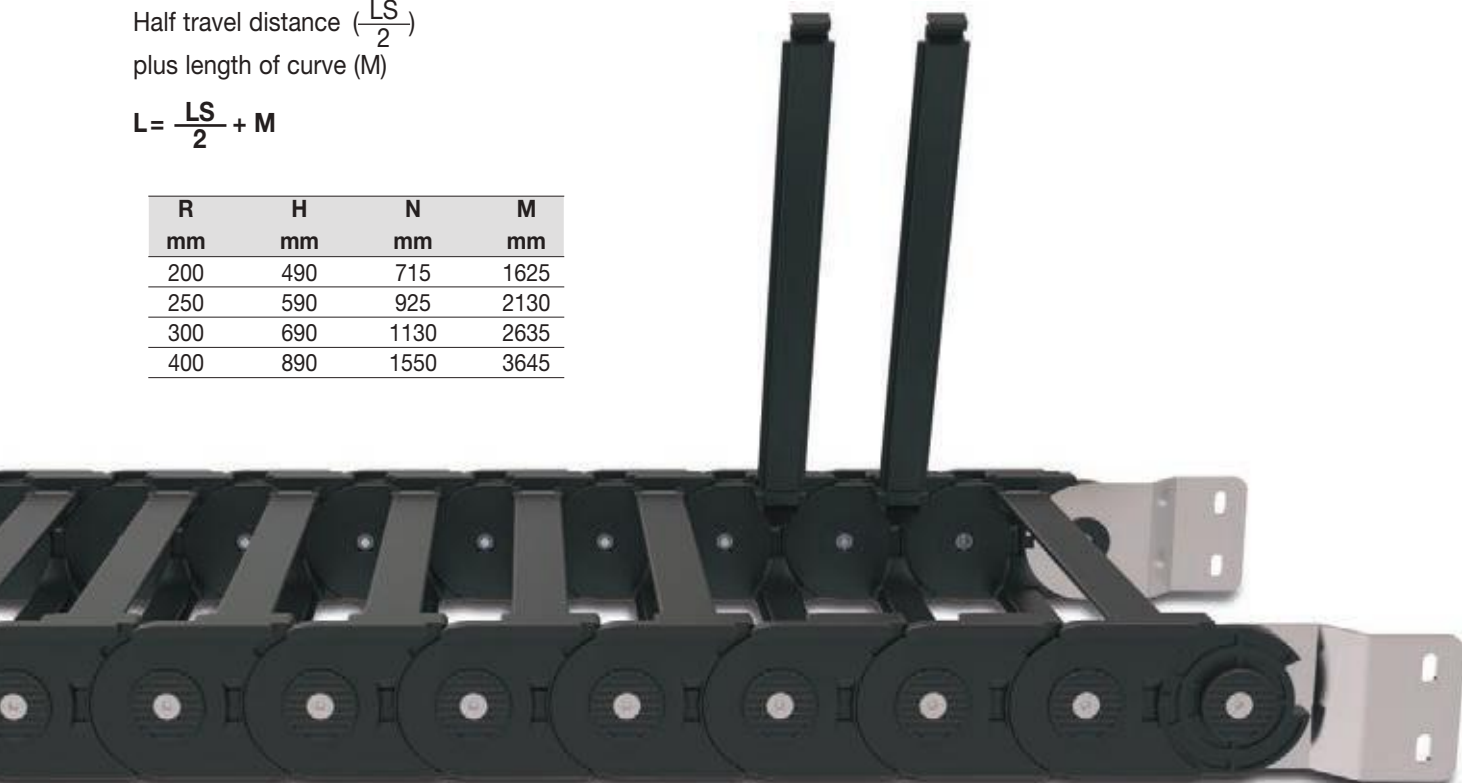
Length of chain (L)

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

plus length of curve (M)

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

| R<br>mm | H<br>mm | N<br>mm | M<br>mm |
|---------|---------|---------|---------|
| 200     | 490     | 715     | 1625    |
| 250     | 590     | 925     | 2130    |
| 300     | 690     | 1130    | 2635    |
| 400     | 890     | 1550    | 3645    |



Version with frames mounted on every pitch.

## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel Movable Type\*\*\***      **Bright Zinc Plated Steel Type\*\*\* (moving point) (fixed point)**

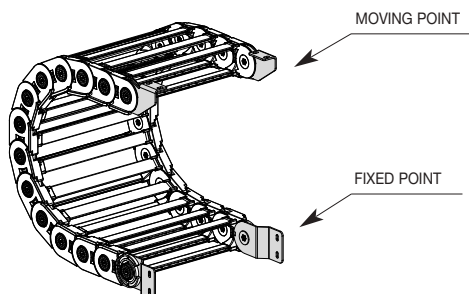
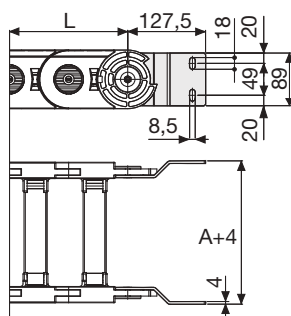
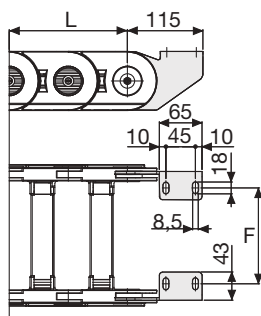


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 60PU115    | 95   |
| 60PU135    | 115  |
| 60PU160    | 140  |
| 60PU167    | 147  |
| 60PU190    | 170  |
| 60PU230    | 210  |
| 60PU265    | 245  |
| 60PU291    | 271  |
| 60PU315    | 295  |
| 60PU341    | 321  |
| 60PU365    | 345  |
| 60PU391    | 371  |
| 60PU415    | 395  |
| 60PU470    | 450  |
| 60PU539    | 519  |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | End Brackets |
|------------------------|--------------|
| Chain Type             | Set          |
| 60PU...                | A60PKM□*     |

| Complete Set Unassembled | End Brackets |
|--------------------------|--------------|
| Chain Type               | Set          |
| 60PU...                  | A60PK        |

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

\*\*\* Available on request in stainless steel

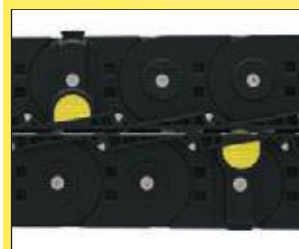
## Serie Sliding

### 60PU

Nylon Cable Chain with opening frames

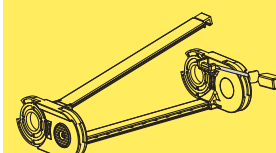
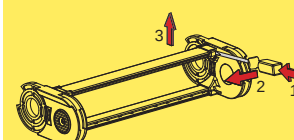
### 60R1

Nylon cables chain with I-Roller system



4

How to open the cover.



For further information please consult Brevetti Stendalito's Technical Office



# Serie Sliding

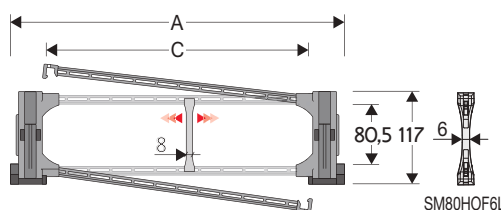
# 80PU/R1

## Nylon Cable Chain with opening frames

### Inner height (D) 80,5 mm

Strong double share Sideband & Frame construction with large anti-friction single pin. The chain features screwed-on interchangeable sliding skids to offer durability even with high speed and loads. Frames opening from inner and outer radius. As standard the chain comes with frames every second link, on request with frames every link.

Separation systems are available.



### Separator

|               |                 |
|---------------|-----------------|
| - Unassembled | Part.no S80F    |
| - Assembled*  | Part.no S80FMC1 |
| - Assembled** | Part.no S80FMCE |

### Strong-hold separator for C > 250 mm

|               |                     |
|---------------|---------------------|
| - Unassembled | Part.no SM80HOF6L   |
| - Assembled   | Part.no SM80HOF6LMC |

### Pin

|  |                     |
|--|---------------------|
|  | Part.no PNE80-PNI80 |
|--|---------------------|

### Sliding skid

|  |               |
|--|---------------|
|  | Part.no PAT80 |
|--|---------------|

\* for chain opening outer radius

\*\* for chain opening inner radius

### Technical characteristics

Speed 5 m/s

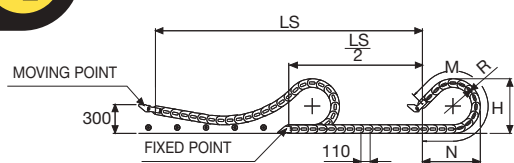
Acceleration 13 m/s<sup>2</sup>

For higher requirements please consult our technical dept.

| A   | B   | C   | D    | R                       | Weight/m | Chain         |
|-----|-----|-----|------|-------------------------|----------|---------------|
| mm  | mm  | mm  | mm   | mm                      | kg       | Part number   |
| 195 | 117 | 115 | 80,5 | 200-250-300-400-500-700 | 8,60     | 80PU115 □□□ * |
| 215 | 117 | 135 | 80,5 | 200-250-300-400-500-700 | 8,67     | 80PU135 □□□ * |
| 240 | 117 | 160 | 80,5 | 200-250-300-400-500-700 | 8,73     | 80PU160 □□□ * |
| 247 | 117 | 167 | 80,5 | 200-250-300-400-500-700 | 8,75     | 80PU167 □□□ * |
| 270 | 117 | 190 | 80,5 | 200-250-300-400-500-700 | 8,80     | 80PU190 □□□ * |
| 310 | 117 | 230 | 80,5 | 200-250-300-400-500-700 | 8,93     | 80PU230 □□□ * |
| 345 | 117 | 265 | 80,5 | 200-250-300-400-500-700 | 9,05     | 80PU265 □□□ * |
| 371 | 117 | 291 | 80,5 | 200-250-300-400-500-700 | 9,11     | 80PU291 □□□ * |
| 395 | 117 | 315 | 80,5 | 200-250-300-400-500-700 | 9,17     | 80PU315 □□□ * |
| 421 | 117 | 341 | 80,5 | 200-250-300-400-500-700 | 9,25     | 80PU341 □□□ * |
| 445 | 117 | 365 | 80,5 | 200-250-300-400-500-700 | 9,33     | 80PU365 □□□ * |
| 471 | 117 | 391 | 80,5 | 200-250-300-400-500-700 | 9,40     | 80PU391 □□□ * |
| 495 | 117 | 415 | 80,5 | 200-250-300-400-500-700 | 9,47     | 80PU415 □□□ * |
| 550 | 117 | 470 | 80,5 | 200-250-300-400-500-700 | 9,75     | 80PU470 □□□ * |
| 619 | 117 | 539 | 80,5 | 200-250-300-400-500-700 | 10,00    | 80PU539 □□□ * |

\*Complete the code by inserting the value of the radius (R): Ex. 80PU115 □ □ □ \*

Chain equipped with nylon frame every pitch: complete the code by inserting the letter D. 80PU115250 □



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   |
| 200 | 510  | 695  | 1555 |
| 250 | 610  | 905  | 2060 |
| 300 | 710  | 1115 | 2565 |
| 400 | 910  | 1530 | 3575 |
| 500 | 1110 | 1945 | 4580 |
| 700 | 1510 | 2785 | 6600 |



## End Brackets

The end brackets set allows the two ends of the chain to be attached to the equipment. One set includes two pivoting end brackets to be installed at the moving point and two standard steel end brackets to be installed at the fixed point.

**Bright Zinc Plated Steel Movable Type\*\*\*** (moving point)      **Bright Zinc Plated Steel Type\*\*\*** (fixed point)

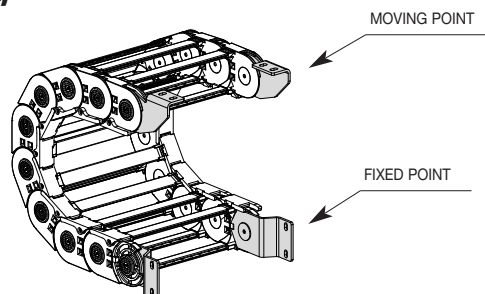
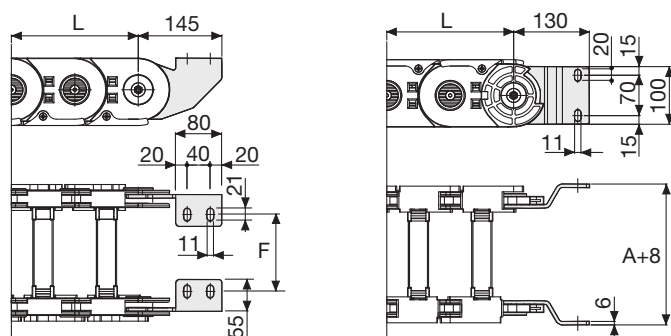


Fig. A  
Chain fixed outside the radius. (Fig A)



| Chain Type | F mm |
|------------|------|
| 80PU115    | 92   |
| 80PU135    | 112  |
| 80PU160    | 137  |
| 80PU167    | 144  |
| 80PU190    | 167  |
| 80PU230    | 207  |
| 80PU265    | 242  |
| 80PU291    | 268  |
| 80PU315    | 292  |
| 80PU341    | 318  |
| 80PU365    | 342  |
| 80PU391    | 368  |
| 80PU415    | 392  |
| 80PU470    | 447  |
| 80PU539    | 516  |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |              |
|------------------------|--------------|
| Chain                  | End Brackets |
| Type                   | Set          |
| 80PU...                | A80PKM□*     |

| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 80PU...                  | A80PK        |

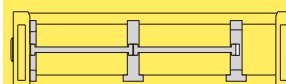
\* 1=Pos.1; 2=Pos.2; 3=Pos.3

\*\*\* Available on request in stainless steel

## Serie Sliding

### 80PU

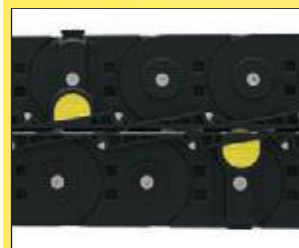
Nylon Cable Chain with opening frames



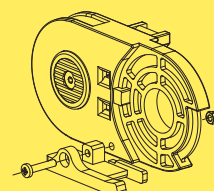
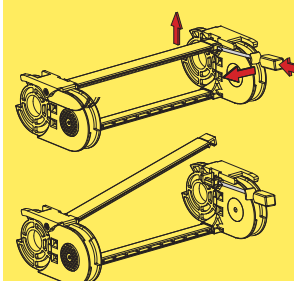
Separation System  
To choose the separators  
see page. 216

### 80R1

Nylon cables chain with I-Roller system



How to open the cover.



Sliding skid

For further information please  
consult Brevetti Stendalto's  
Technical Office

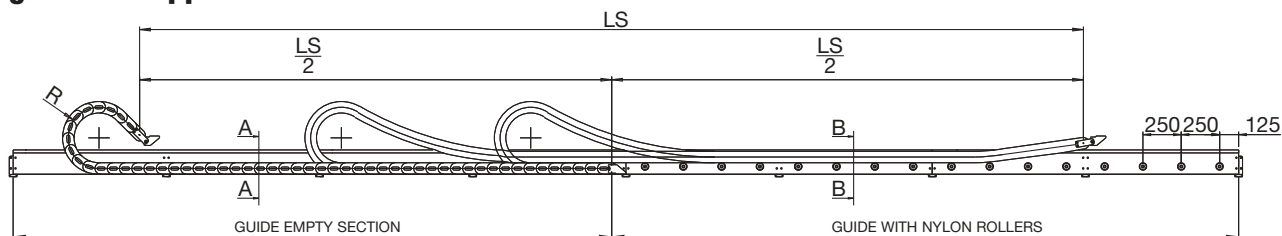
# Serie Sliding

## Guide Channel

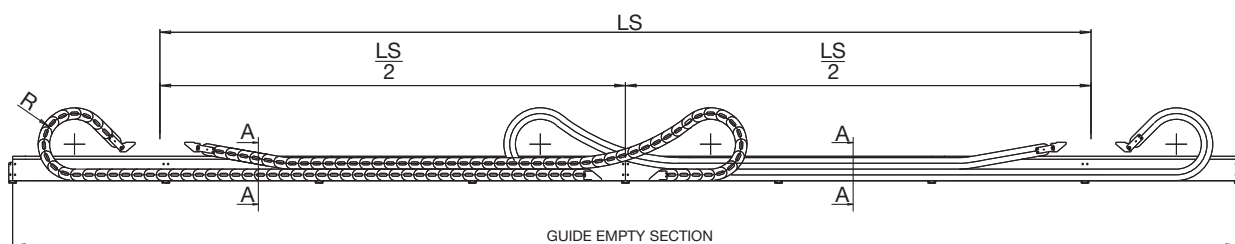
### 445-660A-770A-326-328-20P-30P-60-H45-H57

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

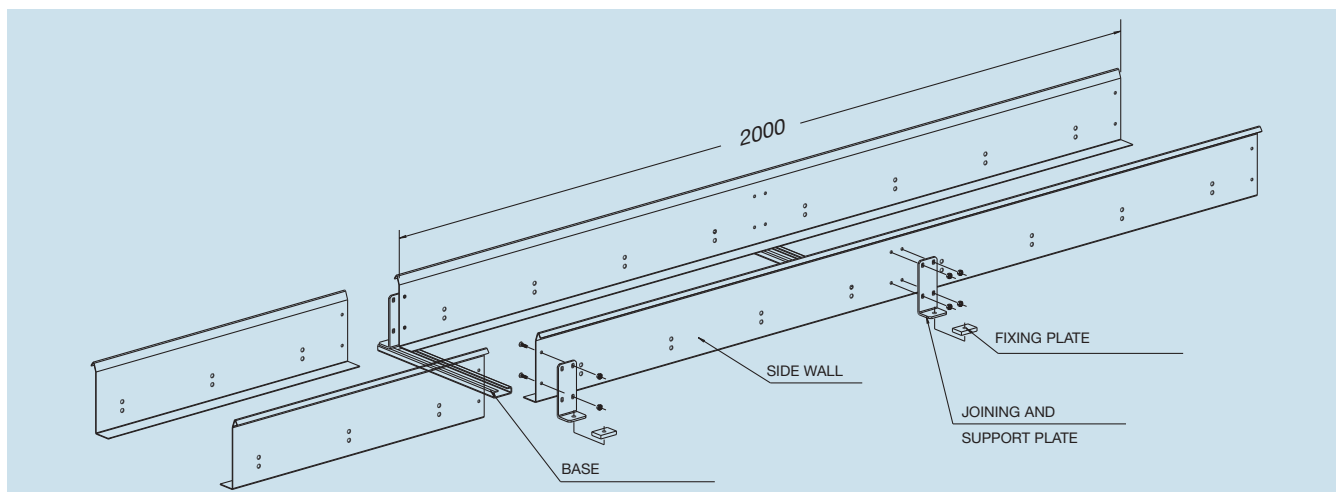
#### Single Chain Application



#### Double Chain Application

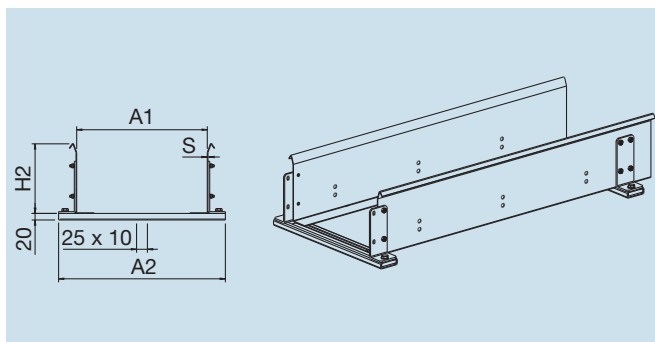


Channel guide is available in assembling kit composed by:  
side walls 2 m standard length  
joining and support plates  
fixing screws  
base  
sliding device (nylon wheel/steel or plastic plate)



## Empty Guide Section

Section A-A



### Part Number

**CS326...**

How to order

Chain part number **326B100150**

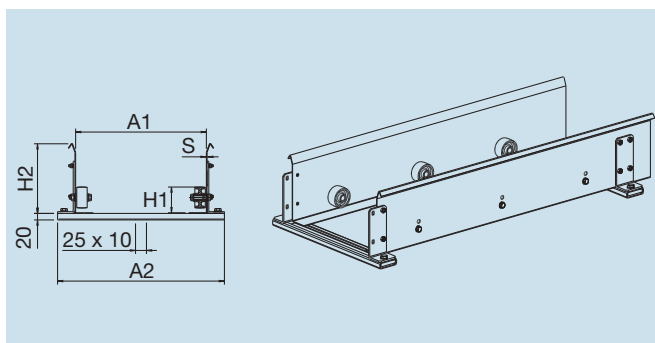
Guide channel  
part number **CS326B100**

## Serie Sliding

| Chain | H2<br>mm | H1<br>mm |
|-------|----------|----------|
| 445   | 160      | 64       |
| 660A  | 160      | 59       |
| 326   | 160      | 59       |
| 770A  | 160      | 79       |
| 328   | 160      | 79       |
| 60    | 190      | 96       |
| H57   | 190      | 96       |
| 20P   | 160      | 59       |
| 30P   | 190      | 81,5     |
| H45   | 160      | 79       |

## Guide with Nylon Rollers

Section B-B



### Part Number

**CR326...**

How to order

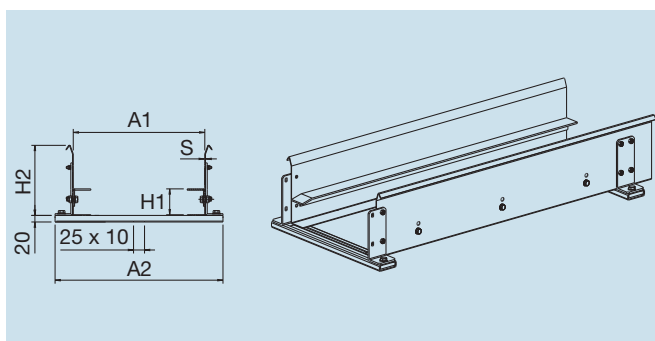
Chain part number **326B100150**

Guide channel  
part number **CR326B100**

| Chain | S<br>mm | A1<br>mm | A2<br>mm |
|-------|---------|----------|----------|
| 445   | 1,5     | A+4      | A+87     |
| H45   | 1,5     | A+4      | A+87     |
| H57   | 1,5     | A+4      | A+87     |
| 660A  | 1,5     | A+4      | A+87     |
| 326   | 1,5     | A+4      | A+87     |
| 770A  | 1,5     | A+4      | A+87     |
| 328   | 1,5     | A+4      | A+87     |
| 60    | 1,5     | A+4      | A+87     |
| 20P   | 1,5     | A+4      | A+87     |
| 30P   | 2       | A+4      | A+88     |

## Guide with Steel Sliding Plate

Section B-B



### Part Number

**CA326...**

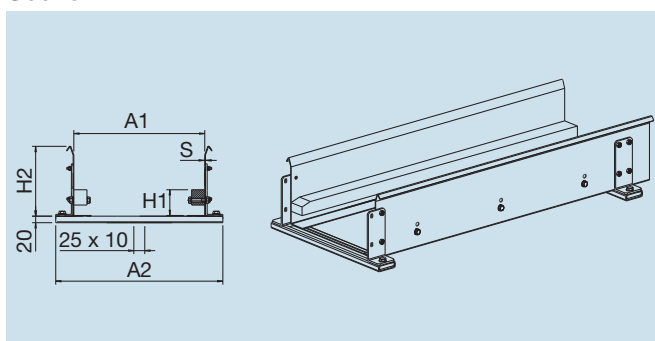
How to order

Chain part number **326B100150**

Guide channel  
part number **CA326B100**

## Guide with Plastic Sliding Plate

Section B-B



### Part Number

**CP326...**

How to order

Chain part number **326B100150**

Guide channel  
part number **CP326B100**

For further information please  
consult Brevetti Stendalto's  
Technical Office



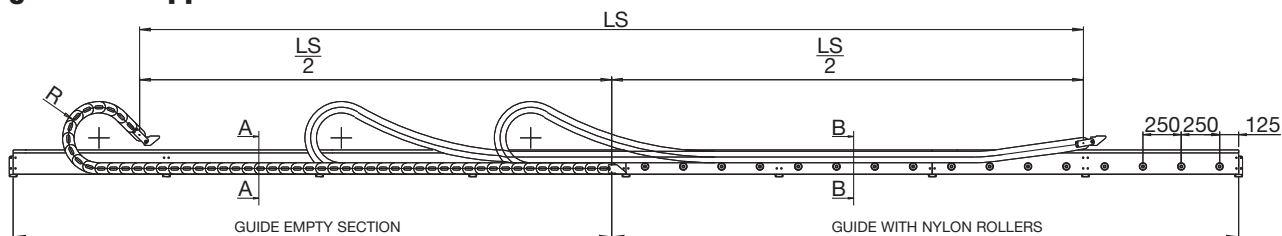
# Serie Sliding

## Guide Channel

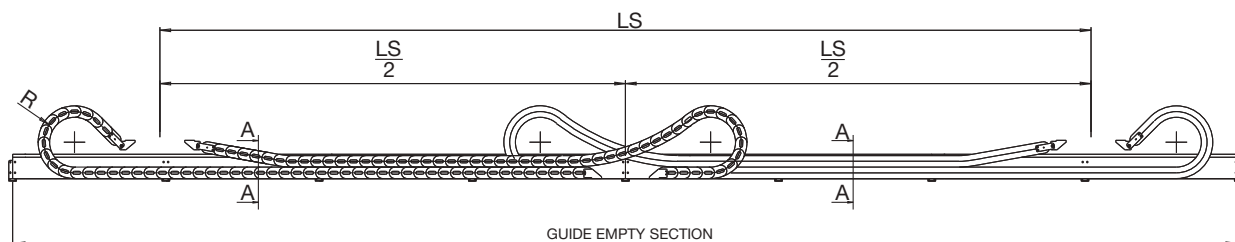
### 478-319-329-80-35P-35PC-40P-H80-H110

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

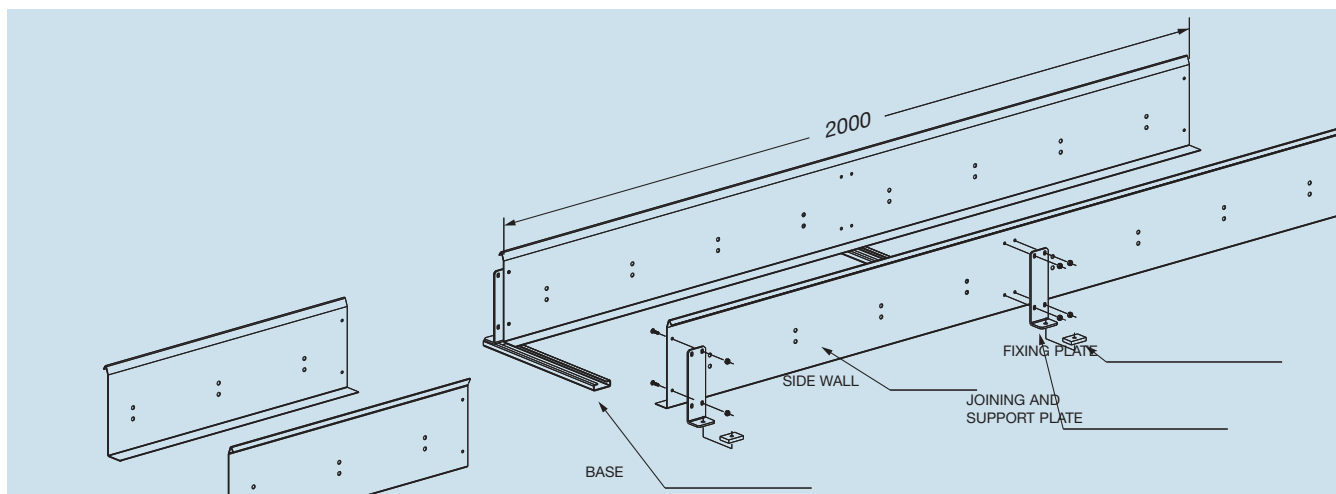
#### Single Chain Application



#### 4 Double Chain Application

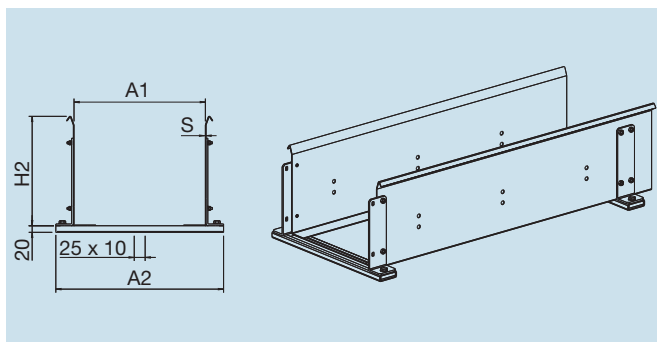


Channel guide is available in assembling kit composed by:  
side walls 2 m standard length  
joining and support plates  
fixing screws  
base  
sliding device (nylon wheel/steel or plastic plate)



## Empty Guide Section

Section A-A



### Part Number

**CS319...**

How to order

Chain part number **319B100200**

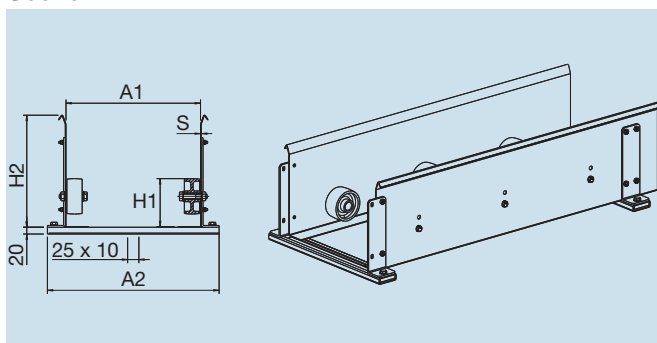
Guide channel  
part number **CS319B100**

## Serie Sliding

| Chain | H2<br>mm | H1<br>mm |
|-------|----------|----------|
| 319   | 250      | 107      |
| 329   | 250      | 107      |
| 80    | 250      | 117      |
| 35P   | 250      | 107      |
| 35CP  | 250      | 107      |
| 40    | 325      | 161,5    |
| 478   | 250      | 107      |
| H80   | 250      | 117      |
| H110  | 324      | 155      |

## Guide with Nylon Rollers

Section B-B



### Part Number

**CR319...**

How to order

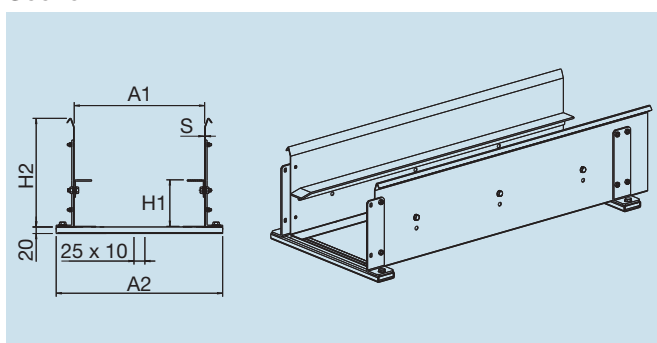
Chain part number **319B100200**

Guide channel  
part number **CR319B100**

| Chain | S<br>mm | A1<br>mm | A2<br>mm |
|-------|---------|----------|----------|
| 319   | 1,5     | A+8      | A+91     |
| 329   | 1,5     | A+8      | A+91     |
| 80    | 2       | A+8      | A+92     |
| 35P   | 2       | A+8      | A+92     |
| 35CP  | 2       | A+8      | A+92     |
| 40    | 3       | A+8      | A+94     |
| 478   | 1,5     | A+8      | A+91     |
| H80   | 2       | A+8      | A+92     |
| H110  | 2,5     | A+8      | A+93     |

## Guide with Steel Sliding Plate

Section B-B



### Part Number

**CA319...**

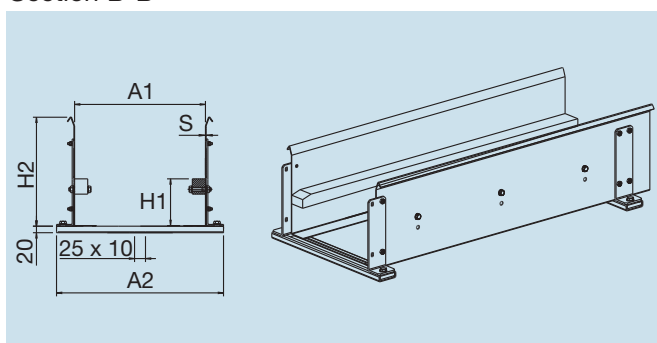
How to order

Chain part number **319B100200**

Guide channel  
part number **CA319B100**

## Guide with Plastic Sliding Plate

Section B-B



### Part Number

**CP319...**

How to order

Chain part number **319B100200**

Guide channel  
part number **CP319B100**

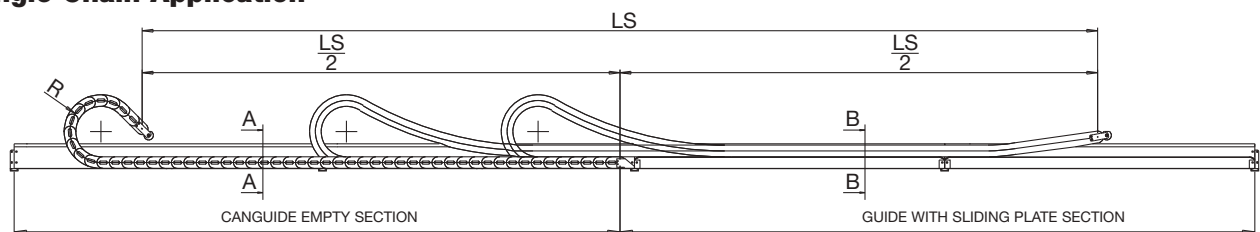
For further information please  
consult Brevetti Stendalto's  
Technical Office

# Serie Sliding

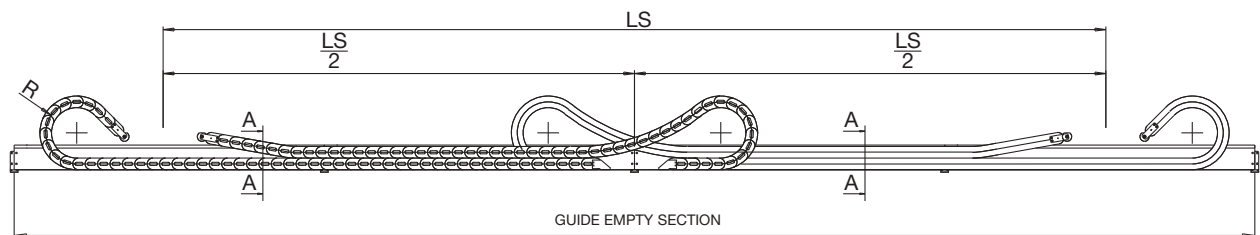
## Aluminium Guide Channel 326-328-60-H57

Special aluminium guide channel allows the use of the chain for long travel distance.

### Single Chain Application

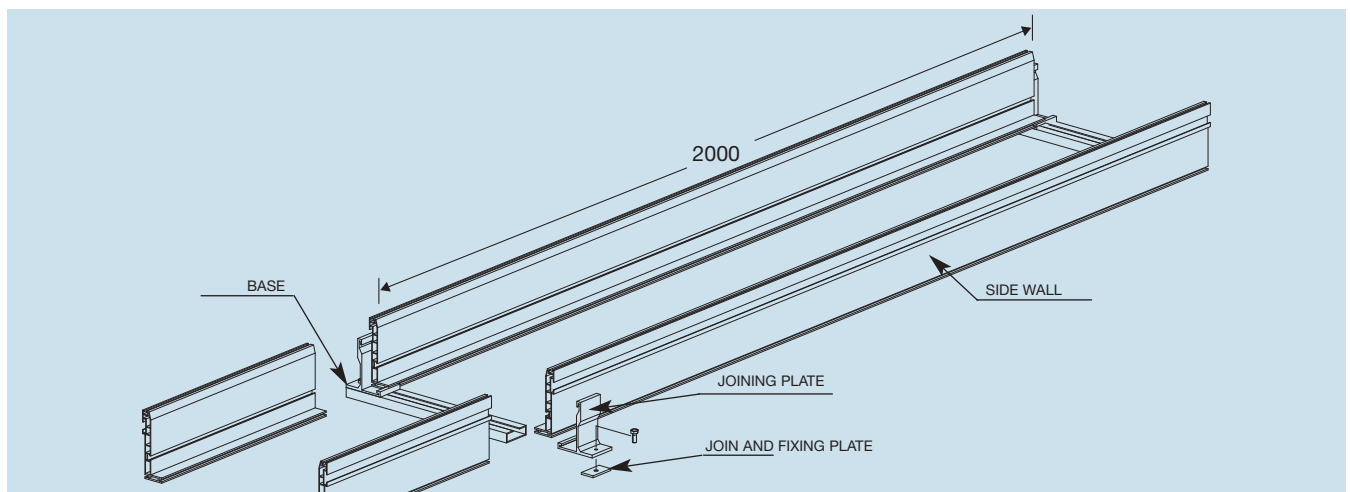


### Double Chain Application



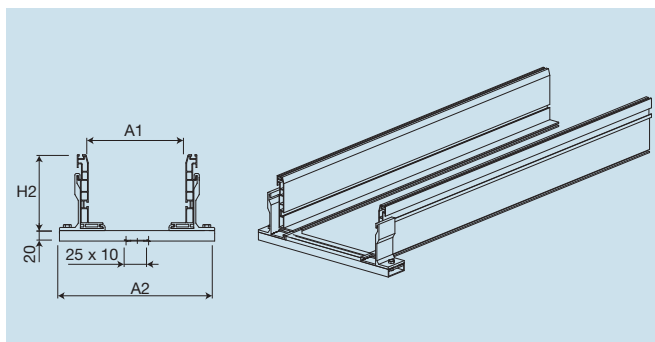
Channel guide is available in kit composed by:

- side walls 2 m standard length
- joining and fixing plates
- fixing screws
- base profile
- supporting parts ( nylon wheels or plastic support plate )



## Empty Guide Section

Section A-A



### Part Number

#### CSA326...

How to order

Chain part number **326B100150**

Guide channel  
part number **CSA326B100**

#### CSA60...

Chain part number **60PI391250**

Guide channel  
part number **CSA60-391**

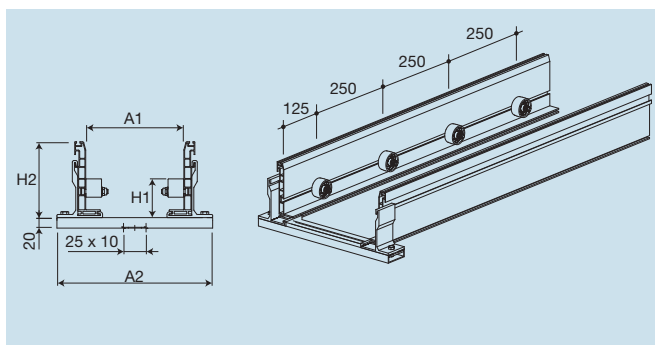
## Serie Sliding

| Chain | H2<br>mm | H1<br>mm |
|-------|----------|----------|
| 326   | 145      | 59       |
| 328   | 200      | 79       |
| 60    | 200      | 96       |
| H57   | 200      | 96       |

| Chain | A1<br>mm | A2<br>mm |
|-------|----------|----------|
| 326   | A+4      | A+114    |
| 328   | A+4      | A+114    |
| 60    | A+4      | A+114    |
| H57   | A+4      | A+114    |

## Guide with Nylon Rollers

Section B-B



### Part Number

#### CRA326...

How to order

Chain part number **326B100150**

Guide channel  
part number **CRA326B100**

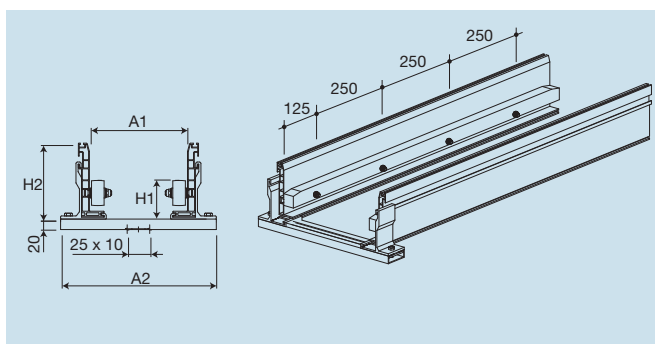
#### CRA60...

Chain part number **60PI391250**

Guide channel  
part number **CRA60-391**

## Guide with Plastic Sliding Plate

Section B-B



### Part Number

#### CPA326...

How to order

Chain part number **326B100150**

Guide channel  
part number **CPA326B100**

#### CPA60...

Chain part number **60PI391250**

Guide channel  
part number **CPA60-391**





# Nylon Cable Chains Robot Series

|                      |          |
|----------------------|----------|
| MFC65100             | page 190 |
| MRS                  | page 198 |
| 495 Series           | page 206 |
| 500 Series           | page 208 |
| 510TN - 515TN Series | page 210 |
| 545 Series           | page 212 |
| 599 Series           | page 214 |



# Cable routing from axis 1 to axis 7



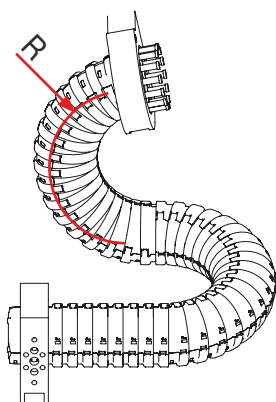
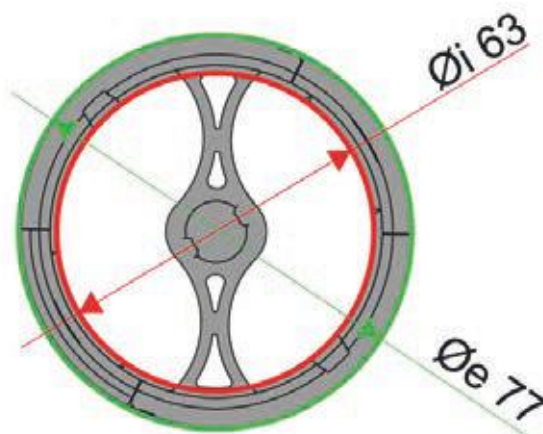
4

## Serie Robot

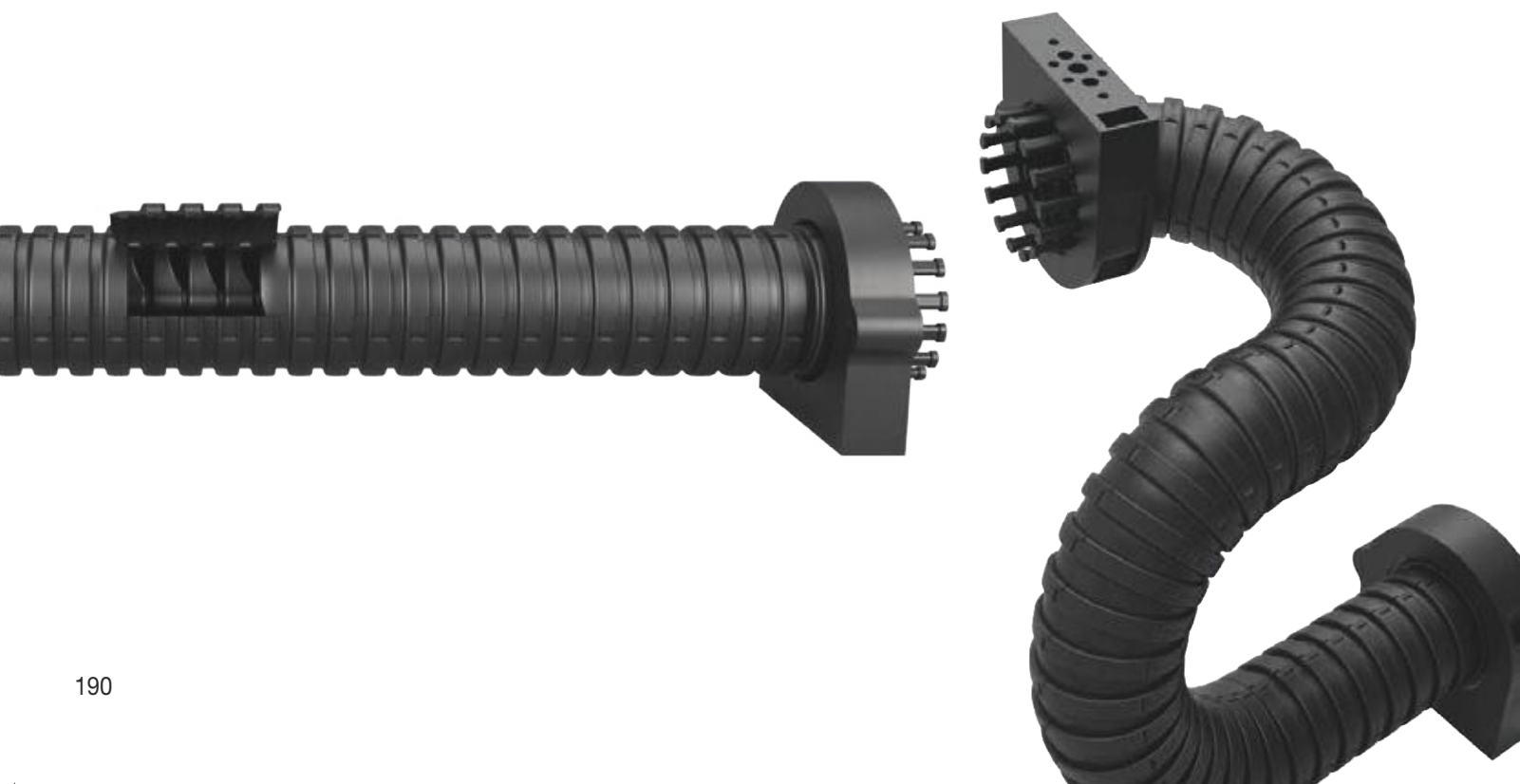
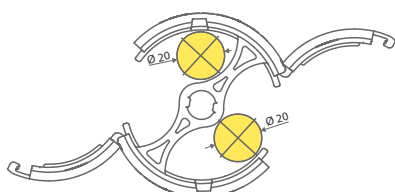
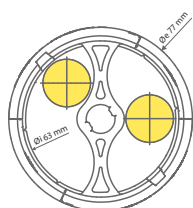
# MFC65100

## MULTIFLEX chain for 3D movements with opening frames

Chain for multi-axis movement, for application on robots and new-generation work centers, fully-enclosed, with opening frames.



| Inner diameter<br>mm | Outer diameter<br>mm | Minimum bend radius<br>mm | Pitch<br>mm | No. of links per meter | Weight<br>kg/m | Torsion<br>per meter | Lodged utilities |
|----------------------|----------------------|---------------------------|-------------|------------------------|----------------|----------------------|------------------|
| 63                   | 77                   | 100                       | 18.5        | 54                     | 1.6            | ~ ± 540°             | max. Ø 20 mm     |



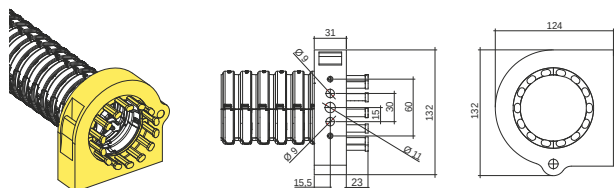


## Fixation accessories

### Fixation brackets with clamping combs

Standard bracket set with clamping combs.

This product is used at the extremities of MULTIFLEX chain.

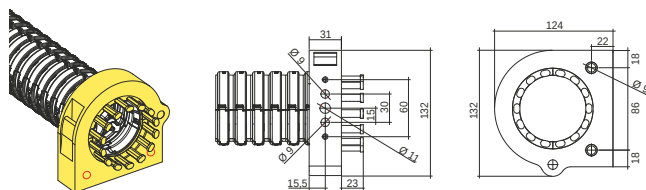


| Type of latch     | Part No. |
|-------------------|----------|
| Nylon             | AMF65K01 |
| Zinc-plated steel | AMF65M01 |

### Fixation brackets with clamping combs Frontal fixation

Standard bracket set with clamping combs, for frontal fixation.

This product is used at the extremities of MULTIFLEX chain.

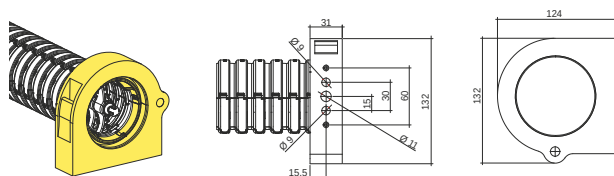


| Type of latch     | Part No.  |
|-------------------|-----------|
| Nylon             | AMF65K01F |
| Zinc-plated steel | AMF65M01F |

### End and intermediate fixation brackets

Standard bracket set without clamping combs.

This product can be used anywhere on MULTIFLEX chain.

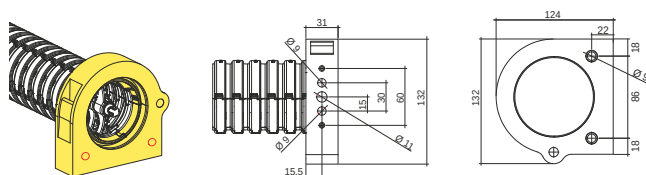


| Type of latch     | Part No. |
|-------------------|----------|
| Nylon             | AMF65K02 |
| Zinc-plated steel | AMF65M02 |

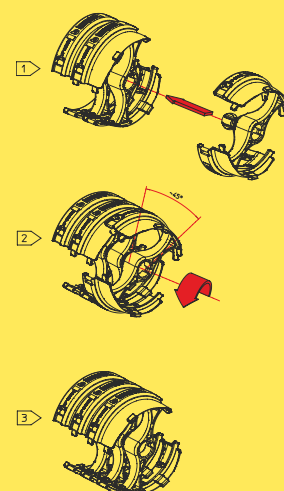
### End and intermediate fixation brackets Frontal fixation

Standard bracket set without clamping combs, for frontal fixation.

This product can be used anywhere on MULTIFLEX chain.



| Type of latch     | Part No.  |
|-------------------|-----------|
| Nylon             | AMF65K02F |
| Zinc-plated steel | AMF65M02F |



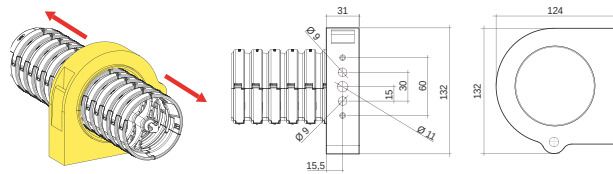
Assembly instructions



# MFC65100

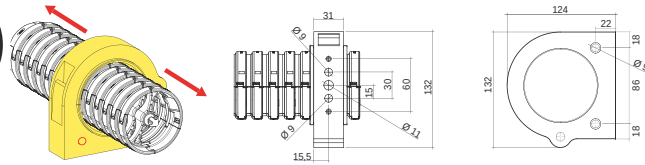
## Protection and guiding accessories

This product can be used anywhere on MULTIFLEX chain.



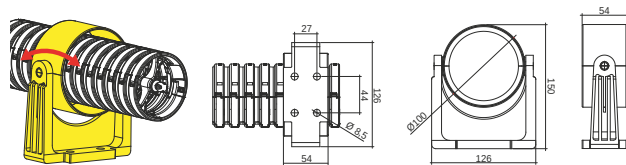
| Type of latch     | Part No.        |
|-------------------|-----------------|
| Nylon             | <b>AMF65K03</b> |
| Zinc-plated steel | <b>AMF65M03</b> |

This product can be used anywhere on MULTIFLEX chain.



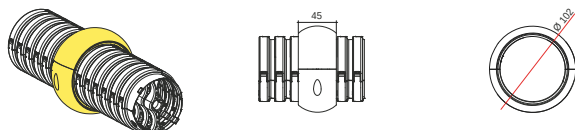
| Type of latch     | Part No.         |
|-------------------|------------------|
| Nylon             | <b>AMF65K03F</b> |
| Zinc-plated steel | <b>AMF65M03F</b> |

Allows to guide passage of chain, maintaining all degrees of liberty of movement.



|          |
|----------|
| Part No. |
| AS065    |

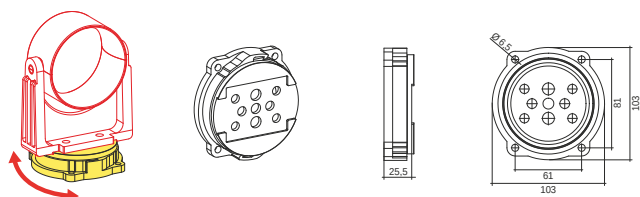
This product can be used anywhere on MULTIFLEX chain.



|          |
|----------|
| Part No. |
| PCM65    |

## Rotating base

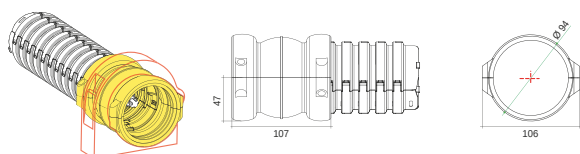
Universal rotating flange, usable with any fixation device. Allows rotation of fixation brackets and pivoting forks.



**Part No.**  
**PADFB-70**

## Connection jaw

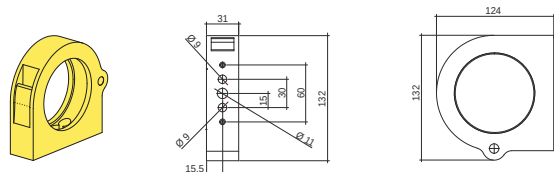
Connector between MULTIFLEX chain and corrugated sheath NW70, or between chain and multi-holed rubber seal. To combine with one fixation brackets type PASSB-70K or PASSB-70M.



**Part No.**  
**PAVGB-70/8529**

## Fixation bracket

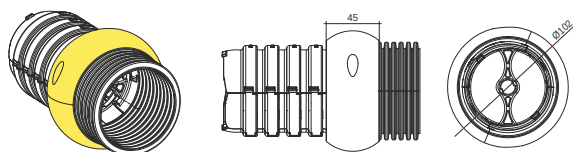
To combine with Part No. PAGB-70/8529.



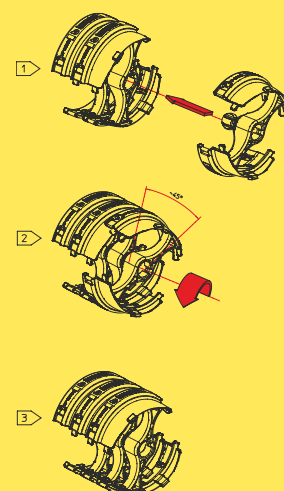
| Type of latch     | Part No.         |
|-------------------|------------------|
| Nylon             | <b>PASSB-70K</b> |
| Zinc-plated steel | <b>PASSB-70M</b> |

## Connection ring

Connector between MULTIFLEX chain and corrugated sheath NW70.



**Part No.**  
**GJM65**



Assembly instructions

**Serie Robot**

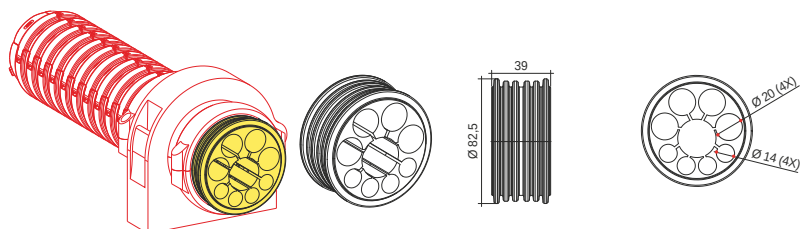
# MFC65100

**MULTIFLEX chain for 3D movements with opening frames**

**Rubber seals and end caps**

## Holed end rubber seals

Multi-hole rubber seal  $\varnothing 14$  mm (4x) -  $\varnothing 20$  mm (4x)



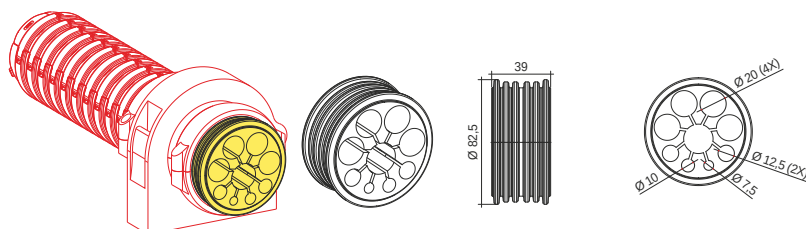
**Part No.**

**TKKSB-70B01**

## Holed end rubber seals

Multi-hole rubber seal  $\varnothing 7.5$  mm (1x) -  $\varnothing 10$  mm (1x) -  $\varnothing 12.5$  mm (2x) -  $\varnothing 20$  mm (4x)

4

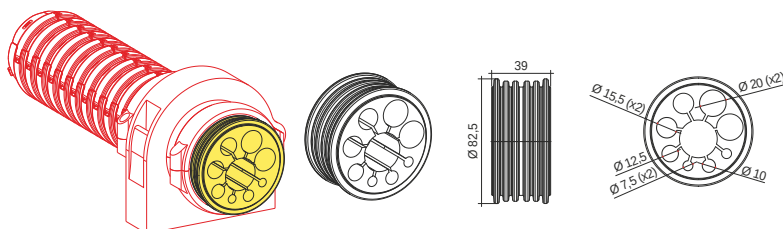


**Part No.**

**TKKSB-70B02**

## Holed end rubber seals

Multi-hole rubber seal  $\varnothing 12.5$  mm (1x) -  $\varnothing 14$  mm (1x) -  $\varnothing 15.5$  mm (2x) -  $\varnothing 20$  mm (3x)

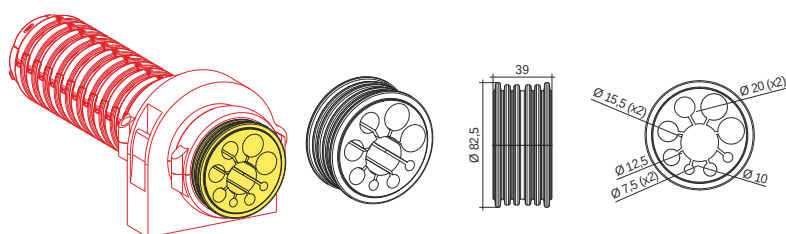


**Part No.**

**TKKSB-70B03**

### Holed end rubber seals

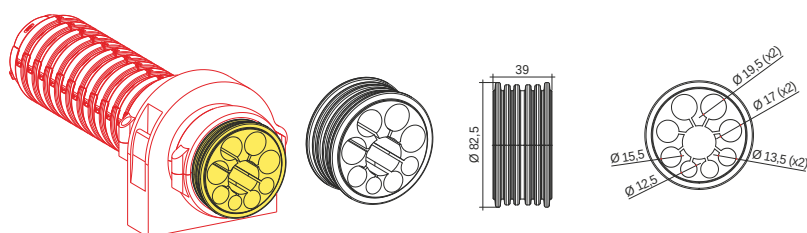
Multi-hole rubber seal Ø 7.5 mm (2x) - Ø 10 mm (1x) - Ø 12.5 mm (1x) -  
Ø 15.5 mm (1x) - Ø 20 mm (2x)



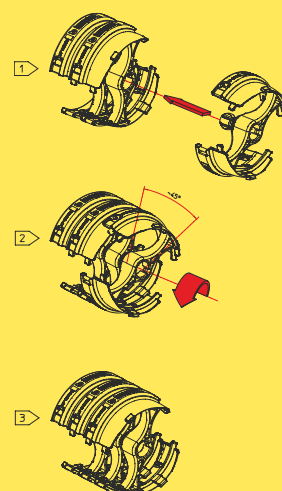
Part No.  
**TKKSB-70B04**

### Holed end rubber seals

Multi-hole rubber seal Ø 12.5 mm (1x) - Ø 14 mm (2x) - Ø 17 mm (1x) -  
Ø 18 mm (3x) - Ø 19 mm (1x)



Part No.  
**TKKSB-70B05**



Assembly instructions

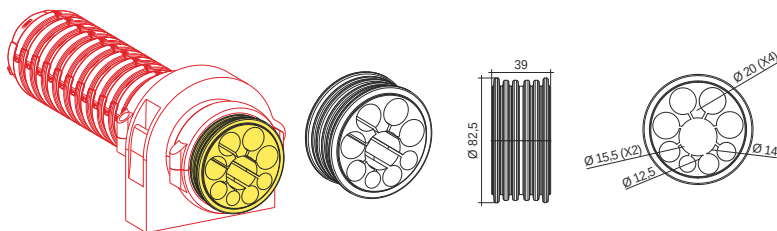


# MFC65100

## MULTIFLEX chain for 3D movements with opening frames

### Holed end rubber seals

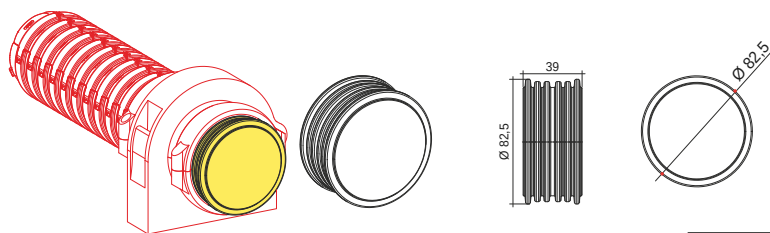
Multi-hole rubber seal Ø 12.5 mm (1x) - Ø 15.5 mm (2x) - Ø 14 mm (1x) - Ø 20 mm (4x)



| Part No.    |
|-------------|
| TKKSB-70B07 |

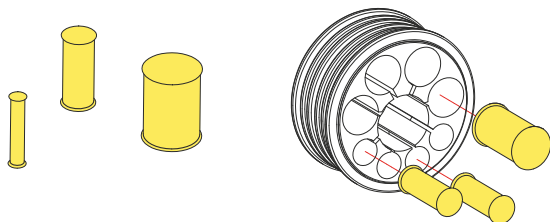
### Blind end rubber seal

4



| Part No.     |
|--------------|
| TKKSB70BLIND |

### End caps



| Part No.  |            |
|-----------|------------|
| Cap Ø     | Item No.   |
| Ø 10 mm   | TKBSB-10   |
| Ø 12.5 mm | TKBSB-12.5 |
| Ø 14 mm   | TKBSB-14   |
| Ø 15.5 mm | TKBSB-15.5 |
| Ø 19.5 mm | TKBSB-19.5 |

## Kevlar protective coat

### Non-opening Kevlar protective coat for dynamic applications

Coat made of Kevlar aramidic fiber on one side; the other side features an aluminum layer in relief that covers the outer surface and reflects up to 95% of thermal radiations.

Protects against weld spurts up to 540 °C.

Kevlar tissue offers good resistance to oils, greases, acids, bases, and solvents in low concentration.

The reflecting surface offers good resistance to UV rays as well.

#### Technical data

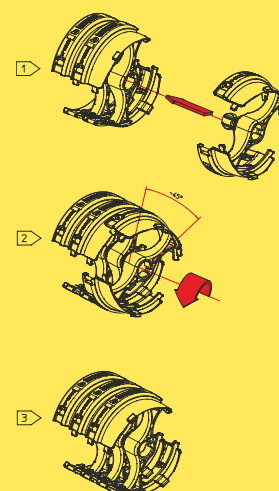
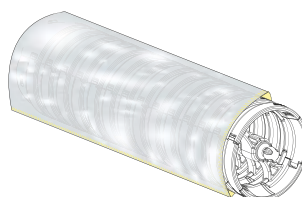
Thickness: 0.35 mm

Specific weight: 1.44 / 1.45 g/cm<sup>3</sup>

Pulling resistance: 2500 N/50 mm

Flammability: non-flammable (up to DIN 4102B1)

| Part No. |            |
|----------|------------|
| Length   | Item No.   |
| 500 mm   | KA04S08005 |
| 1000 mm  | KA04S08010 |
| 1500 mm  | KA04S08015 |
| 2000 mm  | KA04S08020 |



Assembly instructions

### Velcro opening Kevlar protective coat for static applications

Coat made of Kevlar aramidic fiber on one side; the other side features an aluminum layer in relief that covers the outer surface and reflects up to 95% of thermal radiations.

Protects against weld spurts up to 540 °C.

Kevlar tissue offers good resistance to oils, greases, acids, bases, and solvents in low concentration.

The reflecting surface offers good resistance to UV rays as well.

#### Technical data

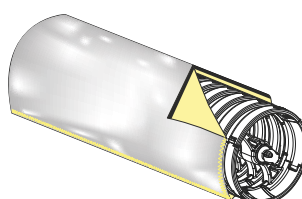
Thickness: 0.35 mm

Specific weight: 1.44 / 1.45 g/cm<sup>3</sup>

Pulling resistance: 2500 N/50 mm

Flammability: non-flammable (up to DIN 4102B1)

| Part No. |             |
|----------|-------------|
| Length   | Item No.    |
| 500 mm   | KA04S080G05 |
| 1000 mm  | KA04S080G10 |
| 1500 mm  | KA04S080G15 |
| 2000 mm  | KA04S080G20 |



Serie Robot

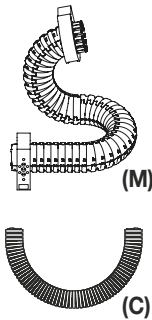
MRS  
Dresspack system for robot

Spring-driven retraction dresspack system for industrial robots that features 3D chain MULTIFLEX or polyamide conduits, accessories, and specific installation brackets.

| Multiflex Retraction System | Multiflex or Conduits    | Dimension                                         | Left or Right            |
|-----------------------------|--------------------------|---------------------------------------------------|--------------------------|
| MRS                         | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> |

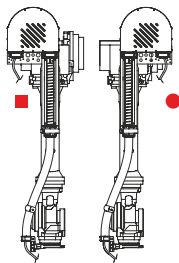
Part Number composed as follows:  
e.g. **MRS** M 65 R

**(M)** Multiflex  
**(C)** Conduits



Multiflex  
**65**  
Conduits  
Ø 29  
Ø 36  
Ø 52  
Ø 70

**(L)** Left  
**(R)** Right



■ Left routing of utilities at the fixed end  
● Right routing of utilities at the fixed end



## Available sizes

### MRSC29

Dresspack with corrugated  
conduits NW29



### MRSC36

Dresspack with corrugated  
conduits NW36



### MRSC52\*

Dresspack with corrugated  
conduits NW52



### MRSC70\*

Dresspack with corrugated  
conduits NW70



### MRSM65\*

Dresspack with Multiflex chain  
MFC65100



\*Caseless version available



## MRS

### Dresspack system for robot

#### Installation Brackets for MRS C29 / C36

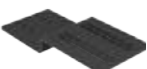
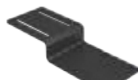
For all widely used drill pattern, custom solution on request.

4

|                                                                                     | Part number | Robot OEM | Robot model                                                   | Weight kg |
|-------------------------------------------------------------------------------------|-------------|-----------|---------------------------------------------------------------|-----------|
|    | SAMRS10.001 | FANUC     | M70iC50<br>M70iC70                                            | 1.3       |
|    | SAMRS10.002 | FANUC     | R-2000iC<br>R-2000iB<br>R-2000iA<br>S430                      | 0.4       |
|    | SAMRS10.003 | KUKA      | KR12<br>KR16<br>KR20_R1810                                    | 0.6       |
|  | SAMRS10.004 | ABB       | IRB2600                                                       | 2.6       |
|  | SAMRS20.004 | ABB       | IRB6640<br>IRB6700<br>IRB6660<br>IRB8700                      | 2.4       |
|  | SAMRS10.005 | ABB       | IRB1600                                                       | 2.4       |
|  | SAMRS20.005 | ABB       | IRB4600                                                       | 3.1       |
|  | SAMRS30.003 | ABB       | IRB6620                                                       | 1.9       |
|  | SAMRS20.007 | KUKA      | KR420<br>KR3100 ultra<br>KR120 pro<br>KR90<br>KR40PA<br>KR150 | 2.4       |
|  | SAMRS10.006 | FANUC     | M-20iA/20M<br>M-20iA/35M<br>M-20iB/25                         | 0.35      |

Serie Robot

**MRS**  
MULTIPLEX RETRACTION SYSTEM

|                                                                                     | Part number | Robot OEM | Robot model                                    | Weight kg |
|-------------------------------------------------------------------------------------|-------------|-----------|------------------------------------------------|-----------|
|    | SAMRS10.007 | FANUC     | M-900iB / 280L<br>R1000iA/80F<br>R2000i C/270F | 0.8       |
|    | SAMRS10.011 | EPSON     | C8-A1401S                                      | 0.3       |
|    | SAMRS10.008 | COMAU     | NS-16                                          | 0.4       |
|    | SAMRS10.009 | KAWASAKI  | RS30N / 50N / 80N                              | 1.1       |
|    | SAMRS20.002 | COMAU     | NJ-165<br>NJ-110<br>NJ-40<br>NJ-16             | 2.0       |
|   | SAMRS10.012 | YASKAWA   | GP180<br>GP200R                                | 0.7       |
|  | SAMRS20.011 | ABB       | IRB2400_m2000                                  | 1.6       |
|  | SAMRS20.009 | FANUC     | M70iC20L<br>M20iA<br>M20iC<br>M20iD            | 1.7       |
|  | SAMRS10.013 | KUKA      | KR20_R3100<br>KR50<br>KR70                     | 2.1       |
|  | SAMRS10.014 | DENSO     | VM60B1 /-V/RC8A                                | 0.4       |
|  | SAMRS10.015 | HYUNDAI   | HH020                                          | 0.6       |
|  | SAMRS10.016 | ABB       | IRB260                                         | 1.4       |
|  | SAMRS10.017 | ABB       | IRB7600                                        | 1.0       |
|  | SAMRS10.018 | STAUBLI   | RX130-L                                        | 0.7       |

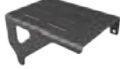
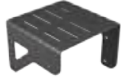
Brackets for robots not listed may be manufactured upon request

## MRS

### Dresspack system for robot

#### Installation Brackets for MRS C52 / M65 / C70

For all widely used drill pattern, custom solution on request.

|                                                                                     | Part number | Robot OEM | Robot model                                                       | Weight kg |
|-------------------------------------------------------------------------------------|-------------|-----------|-------------------------------------------------------------------|-----------|
|    | SAMRS30.001 | FANUC     | R-2000iC125L<br>R-2000iC165F/210F<br>R-2000iB<br>R-2000iA<br>S430 | 2.2       |
|                                                                                     |             | YASKAWA   | MH225<br>MPL100 II<br>GP180                                       |           |
|    | SAMRS30.007 | FANUC     | R-1000iA                                                          | 2.5       |
|   | SAMRS30.006 | FANUC     | R-2000iC210L                                                      | 2.7       |
|  | SAMRS10.001 | FANUC     | M70iC50<br>M70iC70                                                | 1.3       |
|  | SAMRS10.005 | ABB       | IRB1600                                                           | 2.4       |
| (Not required)                                                                      | -           | YASKAWA   | HP20                                                              | -         |
|  | SAMRS10.004 | ABB       | IRB2600                                                           | 2.6       |
|  | SAMRS20.005 | ABB       | IRB4600                                                           | 3.1       |
|  | SAMRS20.006 | HYUNDAI   | HS 200<br>HX400                                                   | 0.2       |
|  | SAMRS20.012 | HYUNDAI   | HS160L                                                            | 0.2       |
|  | SAMRS20.007 | KUKA      | KR3100 ultra<br>KR120<br>KR90<br>KR150<br>KR420                   | 2.4       |
|  | SAMRS20.008 | FANUC     | M-900iB/700                                                       | 2.8       |

## Serie Robot



|  | Part number | Robot OEM | Robot model                              | Weight Kg |
|--|-------------|-----------|------------------------------------------|-----------|
|  | SAMRS30.002 | FANUC     | M-900iB/360                              | 2.4       |
|  | SAMRS20.004 | ABB       | IRB6640<br>IRB6700<br>IRB6660<br>IRB8700 | 2.4       |
|  | SAMRS30.003 | ABB       | IRB6620                                  | 1.9       |
|  | SAMRS30.004 | FANUC     | M-900iA /400L                            | 3.0       |
|  | SAMRS30.005 | KUKA      | KR160                                    | 1.1       |
|  | SAMRS30.008 | YASKAWA   | GA50                                     | 2.2       |
|  | SAMRS30.009 | FANUC     | M-2000iA900L                             | 3.1       |
|  | SAMRS30.010 | EFORT     | ER150-3200<br>ER210-2700                 | 2.8       |
|  | SAMRS20.003 | KAWASAKI  | ZX300S<br>ZX165U                         | 2.9       |
|  | SAMRS20.002 | COMAU     | NJ-165<br>NJ-110<br>NJ-40<br>NJ-16       | 2.0       |
|  | SAMRS20.009 | FANUC     | M70iC20L                                 | 1.7       |
|  | SAMRS10.009 | KAWASAKI  | RS30N / 50N / 80N                        | 1.1       |
|  | SAMRS20.010 | ABB       | IRB7600-400                              | 2.7       |
|  | SAMRS20.011 | ABB       | IRB2400_m2000                            | 1.6       |
|  | SAMRS10.013 | KUKA      | KR50<br>KR70                             | 2.1       |

Brackets for robots not listed may be manufactured upon request



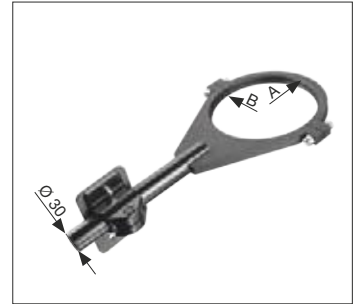
## MRS

### Dresspack system for robot

#### Brackets for axis no. 6 (Tennis Racket)

| Part number | Robot model                | With recess | A (Ø) | B (Ø) | Weight (KG) |
|-------------|----------------------------|-------------|-------|-------|-------------|
| TRMRS00.001 | COMAU NJ-165               | no          | 102   | /     | 2.9         |
| TRMRS00.002 | FANUC R-2000iB             | yes         | 165   | 160   | 2.6         |
|             | FANUC R-2000iA             |             |       |       |             |
|             | FANUC R-2000iC/125L        |             |       |       |             |
|             | FANUC M-410iC              |             |       |       |             |
|             | KAWASAKI ZX165U            |             |       |       |             |
| TRMRS00.003 | FANUC M-900iB/700          | no          | 275   | /     | 3.7         |
|             | FANUC M-900iB/360          |             |       |       |             |
| TRMRS00.004 | FANUC M-900iB/280L         | no          | 220   | /     | 2.9         |
|             | KUKA KR420                 |             |       |       |             |
| TRMRS00.005 | ABB IRB 2400               | yes         | 80    | 63    | 1.2         |
|             | ABB IRB 2600               |             |       |       |             |
|             | ABB IRB 4600 20            |             |       |       |             |
|             | KUKA KR20                  |             |       |       |             |
| TRMRS00.006 | FANUC M-710iC 45/50/70     | no          | 124   | /     | 2           |
| TRMRS00.007 | FANUC M-710iC 20L          | yes         | 80    | 50    | 1.3         |
|             | ABB IRB 1600               |             |       |       |             |
| TRMRS00.008 | ABB IRB 6620               | no          | 200   | /     | 2.6         |
|             | ABB IRB 6640               |             |       |       |             |
|             | ABB IRB 6650               |             |       |       |             |
|             | ABB IRB 6600               |             |       |       |             |
|             | ABB IRB 6700               |             |       |       |             |
|             | FANUC R-2000iC/210L        |             |       |       |             |
|             | KUKA KR210-R3100           |             |       |       |             |
|             | KUKA KR120                 |             |       |       |             |
| TRMRS00.009 | KUKA KR90                  | no          | 140   | /     | 2.4         |
|             | KUKA KR120                 |             |       |       |             |
|             | KUKA KR150                 |             |       |       |             |
|             | KUKA KR160                 |             |       |       |             |
| TRMRS00.010 | FANUC M-900iA/400L         | no          | 314   | /     | 4.4         |
| TRMRS00.011 | EPSON C8-A1401S            | no          | /     | /     | 1.2         |
| TRMRS00.012 | KUKA KR40PA                | no          | 125   | /     | 1.9         |
|             | COMAU NJ-40                |             |       |       |             |
|             | COMAU NJ-60                |             |       |       |             |
|             | ABB IRB 4600 40 / 45 / 60  |             |       |       |             |
| TRMRS00.013 | COMAU NJ-110               | no          | 150   | /     | 2.4         |
| TRMRS00.014 | COMAU NS-16                | no          | 82    | /     | 1.4         |
| TRMRS00.015 | KAWASAKI RS30N / 50N / 80N | no          | 133   | /     | 1.5         |
| TRMRS00.016 | YASKAWA GP180              | no          | 160   | /     | 2.7         |
| TRMRS00.017 | ABB IRB 7600-400           | no          | 250   | /     | 3.4         |
| TRMRS00.018 | KAWASAKI RS015X            | no          | 75    | /     | 1.4         |
| TRMRS00.019 | FANUC M20iD                | no          | 56    | /     | 1.1         |
| TRMRS00.020 | KUKA KR50 / KR70           | yes         | 125   | 122   | 1.4         |
| TRMRS00.021 | FANUC R-1000iA/80F         | yes         | 125   | 121   | 1.4         |
| TRMRS00.022 | ABB IRB 8700               | no          | 315   | /     | 4           |
| TRMRS00.023 | COMAU NJ-16                | no          | 100   | /     | 1.4         |

Tennis rackets for robots not listed may be manufactured upon request



Input data for robot dresspack enquiry

Routing  
of Utilities

☐ R ☐ L

MRS  
(from axis 3 to axis 6)

☐ YES ☐ NO

Stationary Side  
(from axis 1 to axis 3)

☐ YES ☐ NO

☐ YES ☐ NO  
Tennis Racket  
(fixing on axis 6)

Circular Chain  
(axis 1)

☐ YES ☐ NO  Indicate degrees  
of rotation

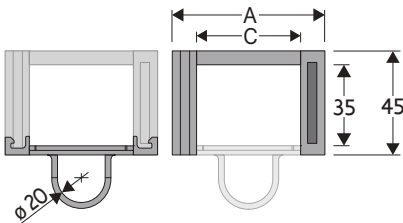
|                             |                      |
|-----------------------------|----------------------|
| Robot OEM                   | <input type="text"/> |
| Robot model                 | <input type="text"/> |
| MRS/Conduits size           | <input type="text"/> |
| Application/<br>Environment | <input type="text"/> |

# 495

## Circular Nylon Cable Chain with removable frames

**Inner height (D) 35 mm**

Double share Sideband & Frame construction with large anti-friction single-pin.  
Frames removable from inner radius.



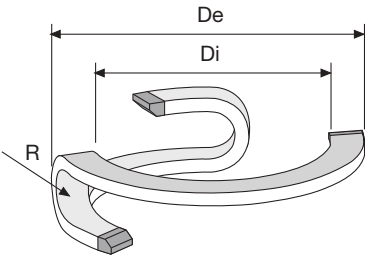
| Pin           |
|---------------|
| Part.no PG305 |

**Technical characteristics**

|              |                     |
|--------------|---------------------|
| Speed        | 180°/s              |
| Acceleration | 180°/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A  | B  | C  | D  | R   | Weight/pitch | Chain       |
|----|----|----|----|-----|--------------|-------------|
| mm | mm | mm | mm | mm  | kg           | Part Number |
| 69 | 45 | 45 | 35 | 100 | 0,100        | 495         |



| R   | Di  | De  |
|-----|-----|-----|
| mm  | mm  | mm  |
| 100 | 600 | 755 |

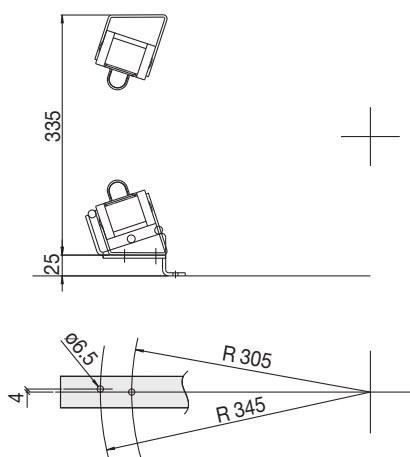
**Length of Chain**

| Chain        | Degrees     | No         |
|--------------|-------------|------------|
| Part Numbers | of Rotation | of Pitches |
| 495          | 90          | 13         |
| 495          | 180         | 18         |
| 495          | 270         | 22         |
| 495          | 360         | 26         |



## Steel End Brackets

The end brackets set, containing two steel plates screwed to the links, allows the two ends of the chain to be attached to the equipment. The end brackets are installed in one position offering the possibility of attaching the chain externally. (Fig. A)



*Fig. A*

## Support Guide

For correct functioning of the chain it is necessary that the installation is done in a specific position.

For this reason Brevetti Stendalto has observed and created a support guide which can do this. (Fig. B)

For particular applications it is possible to create support guides with attachment plates and special dimensions.

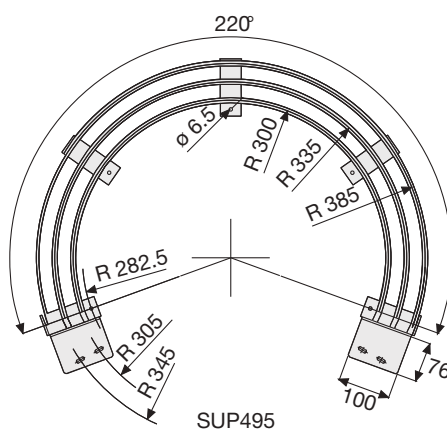


Fig. B

## Steel End Brackets Part Numbers

| Complete Set Assembled   |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 495...                   | A495KM       |
| Complete Set Unassembled |              |
| Chain                    | End Brackets |
| Type                     | Set          |
| 495...                   | A495K        |

For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain. (see page 29).

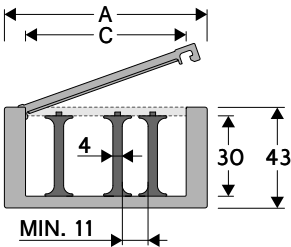


# 500

## Circular Nylon Cable Chain

**Inner height (D) 30 mm**

Single link construction.  
Frames opening from inner radius.  
Internal separation available.



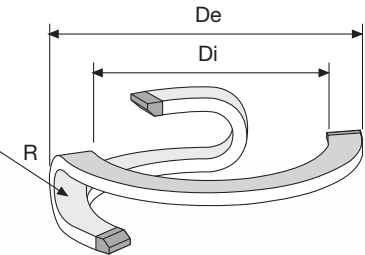
| Separator     |                |
|---------------|----------------|
| - Unassembled | Part.no S500   |
| - Assembled   | Part.no S500MC |

**Technical characteristics**

|              |                     |
|--------------|---------------------|
| Speed        | 180°/s              |
| Acceleration | 180°/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A    | B  | C    | D  | R   | Weight/pitch | Chain       |
|------|----|------|----|-----|--------------|-------------|
| mm   | mm | mm   | mm | mm  | kg           | Part Number |
| 86,5 | 43 | 68,5 | 30 | 100 | 0,086        | 50010       |
| 86,5 | 43 | 68,5 | 30 | 150 | 0,086        | 50020       |



| R   | Di  | De  |
|-----|-----|-----|
| mm  | mm  | mm  |
| 100 | 630 | 830 |
| 150 | 630 | 830 |

**Length of Chain**

| Chain        | Degrees     | No         |
|--------------|-------------|------------|
| Part Numbers | of Rotation | of Pitches |
| 50010        | 90          | 13         |
| 50010        | 180         | 17         |
| 50010        | 270         | 21         |
| 50010        | 360         | 26         |
| 50020        | 90          | 15         |
| 50020        | 180         | 19         |
| 50020        | 270         | 24         |
| 50020        | 360         | 28         |



## Steel End Brackets

The end brackets set, containing two steel plates screwed to the links, allows the two ends of the chain to be attached to the equipment. The end brackets are installed in one position offering the possibility of attaching the chain externally. (Fig. A)

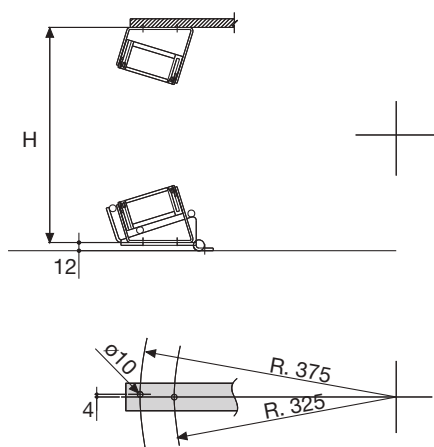


Fig. A

| Chain Type | H   |
|------------|-----|
| 50010      | 330 |
| 50020      | 410 |

## Steel End Brackets Part Numbers

### Complete Set Assembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 50010      | A50010NKM        |
| 50020      | A50020NKM        |

### Complete Set Unassembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 50010      | A50010NK         |
| 50020      | A50020NK         |

## Support Guide

For correct functioning of the chain it is necessary that the installation is done in a specific position.

For this reason Brevetti Stendalto has observed and created a support guide which can do this. (Fig. B)

For particular applications it is possible to create support guides with attachment plates and special dimensions.

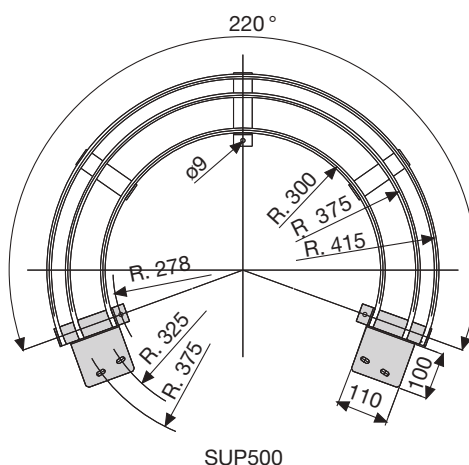


Fig. B

For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain. (see page 29).

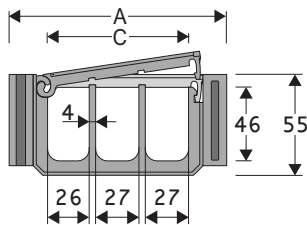
Serie Robot

510TN-515TN  
Circular Nylon Cable Chain  
with opening frames

Inner height (D) 46 mm

Double share Sideband & Frame  
construction with large anti-friction  
twin-pin.

Frames opening from inner radius.



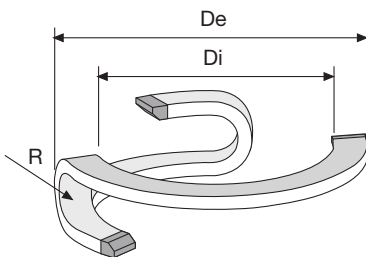
| Pin 510TN          |
|--------------------|
| Part.no PG511      |
| Pin 515TN          |
| Part.no PG515-B515 |

Technical characteristics

|              |                     |
|--------------|---------------------|
| Speed        | 180°/s              |
| Acceleration | 180°/s <sup>2</sup> |

For higher requirements please consult our  
technical dept.

| A   | B  | C  | D  | R   | Weight/pitch | Chain       |
|-----|----|----|----|-----|--------------|-------------|
| mm  | mm | mm | mm | mm  | kg           | Part Number |
| 132 | 55 | 88 | 46 | 125 | 0,200        | 510TN       |
| 132 | 55 | 88 | 46 | 175 | 0,200        | 515TN       |



| Chain       | R   | Di   | De   |
|-------------|-----|------|------|
| Part Number | mm  | mm   | mm   |
| 510TN       | 125 | 940  | 1220 |
| 515TN       | 175 | 1060 | 1340 |

Length of Chain

| Chain        | Degrees     | No         |
|--------------|-------------|------------|
| Part Numbers | of Rotation | of Pitches |
| 510TN        | 90          | 13         |
| 510TN        | 180         | 17         |
| 510TN        | 270         | 22         |
| 510TN        | 360         | 27         |
| 515TN        | 90          | 17         |
| 515TN        | 180         | 23         |
| 515TN        | 270         | 29         |
| 515TN        | 360         | 35         |



515TN

510TN

## Steel End Brackets

The end brackets set, containing two steel plates screwed to the links, allows the two ends of the chain to be attached to the equipment. The end brackets are installed in one position offering the possibility of attaching the chain externally. (Fig. A)

### 510TN

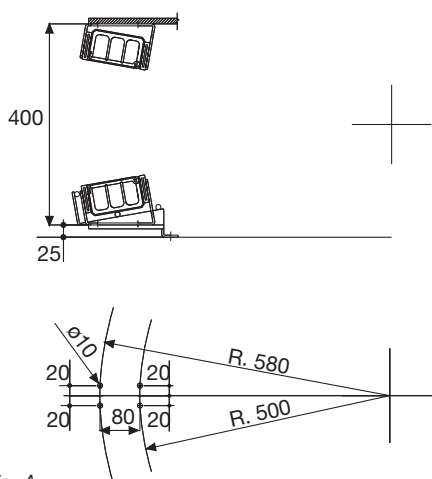


Fig. A

### 515TN

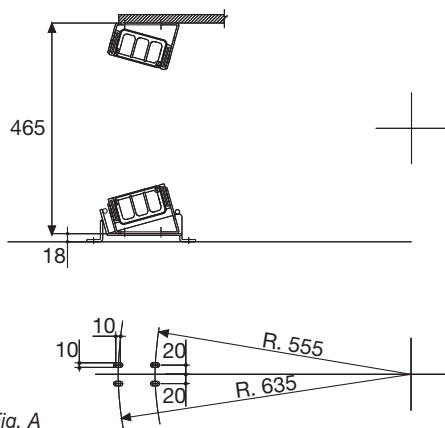


Fig. A

## Steel End Brackets Part Numbers

### Complete Set Assembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 510TN      | A510TNKM         |
| 515TN      | A515TNKM         |

### Complete Set Unassembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 510TN      | A510TNK          |
| 515TN      | A515TNK          |

## Support Guide

For correct functioning of the chain it is necessary that the installation is done in a specific position.

For this reason Brevetti Stendalto has observed and created a support guide which can do this. (Fig. B)

For particular applications it is possible to create support guides with attachment plates and special dimensions.

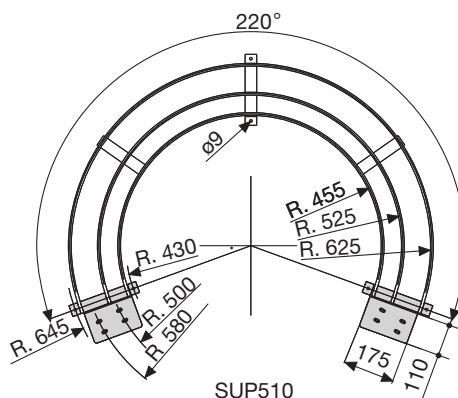


Fig. B

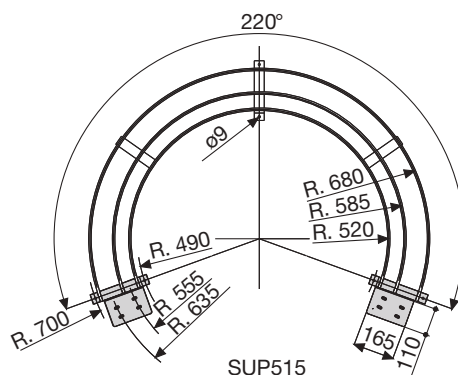


Fig. B

For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain. (see page 29).

## Serie Robot

### 510TN

### 515TN

**Circular Nylon Cable Chain with opening frames**

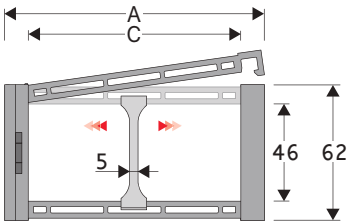


# 545

## Circular Nylon Cable Chain with opening frames

**Inner height (D) 46 mm**

Double share Sideband & Frame construction with large anti-friction single-pin.  
Frames opening from inner radius.

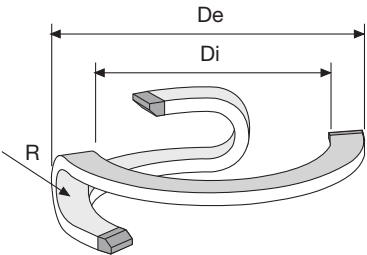


| Separator     |                  |
|---------------|------------------|
| - Unassembled | Part.no S445UF   |
| - Assembled   | Part.no S445UFMC |
| Pin           |                  |
| Part.no PG545 |                  |

| Technical characteristics |                     |
|---------------------------|---------------------|
| Speed                     | 180°/s              |
| Acceleration              | 180°/s <sup>2</sup> |

For higher requirements please consult our technical dept.

| A   | B  | C   | D  | R   | Weight/pitch | Chain       |
|-----|----|-----|----|-----|--------------|-------------|
| mm  | mm | mm  | mm | mm  | kg           | Part Number |
| 123 | 62 | 100 | 46 | 100 | 0,200        | 545SI100100 |



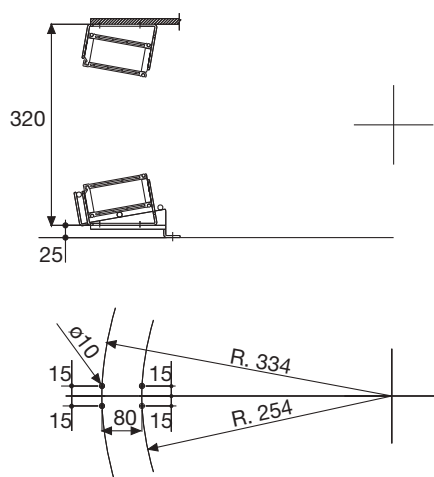
| R   | Di  | De  |
|-----|-----|-----|
| mm  | mm  | mm  |
| 100 | 485 | 760 |

| Length of Chain |             |            |
|-----------------|-------------|------------|
| Chain           | Degrees     | No         |
| Part Numbers    | of Rotation | of Pitches |
| 545             | 90          | 14         |
| 545             | 180         | 18         |
| 545             | 270         | 22         |
| 545             | 360         | 27         |



## Steel End Brackets

The end brackets set, containing two steel plates screwed to the links, allows the two ends of the chain to be attached to the equipment. The end brackets are installed in one position offering the possibility of attaching the chain externally. (Fig. A)



**Fig. A**

## Steel End Brackets Part Numbers

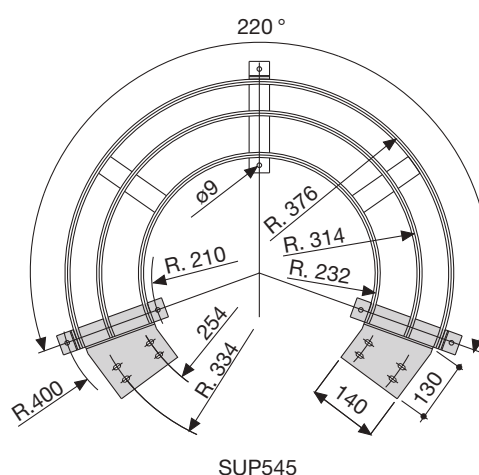
| Complete Set Assembled   |                     |
|--------------------------|---------------------|
| Chain<br>Type            | End Brackets<br>Set |
| 545                      | A545KM              |
| Complete Set Unassembled |                     |
| Chain<br>Type            | End Brackets<br>Set |
| 545                      | A545K               |

## Support Guide

For correct functioning of the chain it is necessary that the installation is done in a specific position.

For this reason Brevetti Stendalto has observed and created a support guide which can do this. (Fig. B)

For particular applications it is possible to create support guides with attachment plates and special dimensions.



**Fig. B**

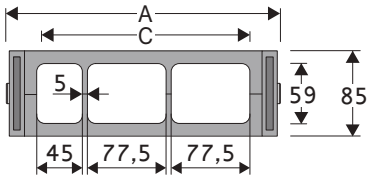
For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain. (see page 29).

# 599

## Circular Nylon Cable Chain with un-screwable aluminium frames

**Inner height (D) 59 mm**

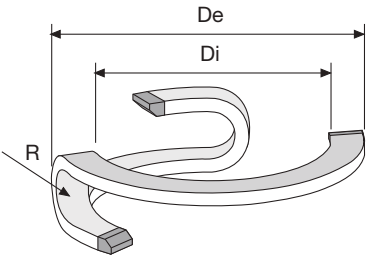
Strong double share Sideband & Frame construction with three single-pins in steel for high torsion resistance. Alu-frames are un-screwable from inner and outer radius.



| Technical characteristics |                     |
|---------------------------|---------------------|
| Speed                     | 180°/s              |
| Acceleration              | 180°/s <sup>2</sup> |

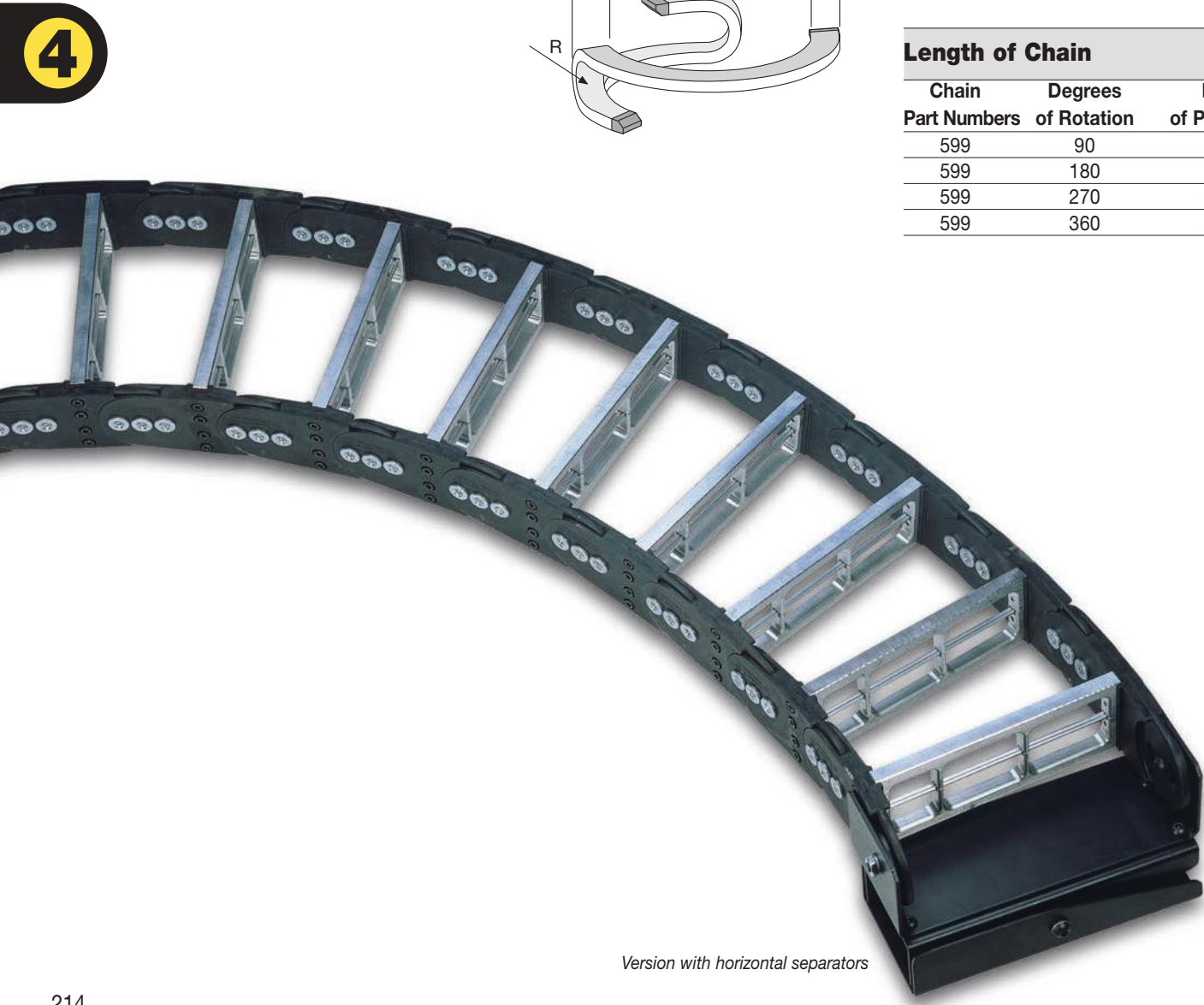
For higher requirements please consult our technical dept.

| A   | B  | C   | D  | R   | Weight/pitch | Chain       |
|-----|----|-----|----|-----|--------------|-------------|
| mm  | mm | mm  | mm | mm  | kg           | Part Number |
| 272 | 85 | 210 | 59 | 220 | 0,900        | 599         |



| R   | Di   | De   |
|-----|------|------|
| mm  | mm   | mm   |
| 220 | 1400 | 2000 |

| Length of Chain |             |            |
|-----------------|-------------|------------|
| Chain           | Degrees     | No         |
| Part Numbers    | of Rotation | of Pitches |
| 599             | 90          | 14         |
| 599             | 180         | 19         |
| 599             | 270         | 23         |
| 599             | 360         | 28         |



Version with horizontal separators

## Steel End Brackets

The end brackets set, containing two steel plates screwed to the links, allows the two ends of the chain to be attached to the equipment. The end brackets are installed in one position offering the possibility of attaching the chain externally. (Fig. A)

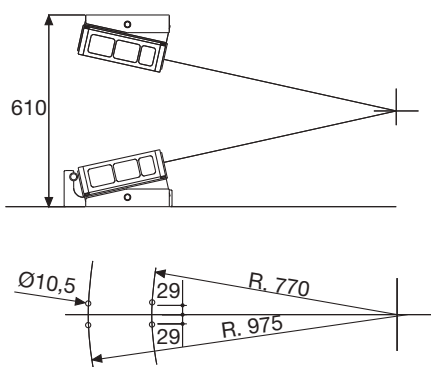


Fig. A

## Support Guide

For correct functioning of the chain it is necessary that the installation is done in a specific position.

For this reason Brevetti Stendalto has observed and created a support guide which can do this. (Fig. B)

For particular applications it is possible to create support guides with attachment plates and special dimensions.

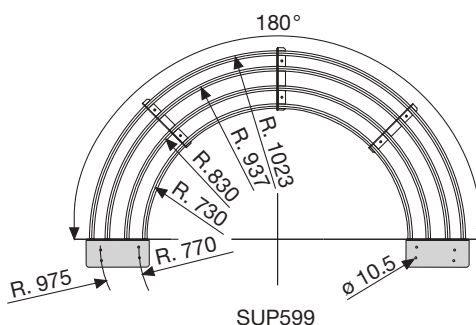


Fig. B

## Steel End Brackets Part Numbers

### Complete Set Assembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 599        | A599KM           |

### Complete Set Unassembled

| Chain Type | End Brackets Set |
|------------|------------------|
| 599        | A599K            |

For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain. (see page 29).

## Serie Robot

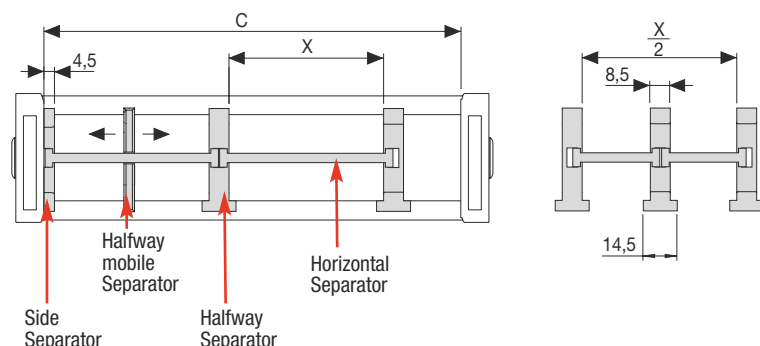
# 599

**Circular Nylon Cable Chain with un-screwable aluminium frames**

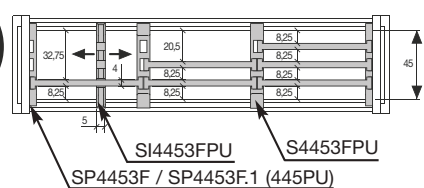
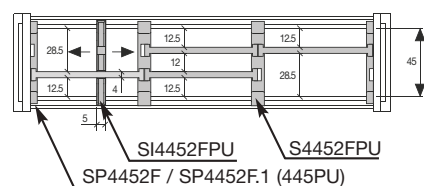


# Separation System

The Separation System, proposed by Brevetti Stendalto, guarantees the perfect disposal of cables inside the chain and allows an easy opening of the frame also when the chain is already harnessed. A wide range of horizontal separators is available in order to obtain many different arrangements.

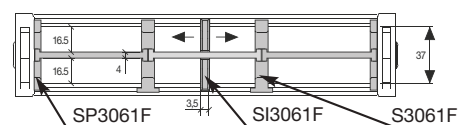
**445MU/PU/AU**

Side separator. Halfway separator. Halfway mobile separator.  
Horizontal separator. Up to 4 horizontal separations.



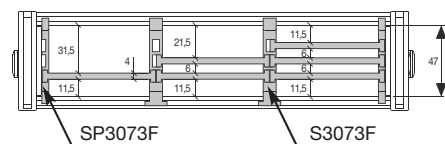
## 660A - 306SU/CU - 326SU

Side separator. Halfway separator. Halfway mobile separator.  
Horizontal separator. Up to 2 horizontal separations.



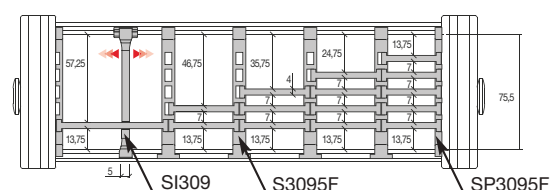
## 307SU

Side separator. Halfway separator. Horizontal separator.  
Up to 4 horizontal separations.



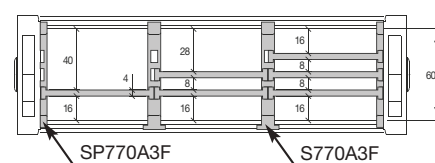
**309SU/CU - 475MU/PU - 478MU/PU**  
**319ZE - 329SU - 329CD**

Side separator. Halfway separator. Halfway mobile separator.  
Horizontal separator. Up to 6 horizontal separations.



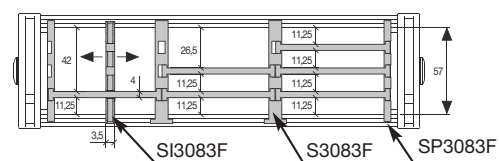
## 770A

Side separator. Halfway separator. Horizontal separator.  
Up to 4 horizontal separations.



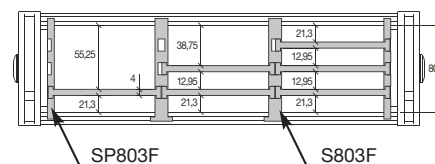
### 308SU/CU - 328SU

Side separator. Halfway separator. Halfway mobile separator.  
Horizontal separator. Up to 4 horizontal separations.



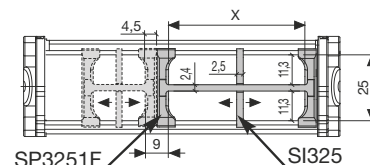
## 80PU

Side separator. Halfway separator. Halfway mobile separator.  
Horizontal separator. Up to 6 horizontal separations.



### 325LI/LE/PI

Side separator. Halfway separator. Halfway mobile separator.  
Horizontal separator. Up to 2 horizontal separations.



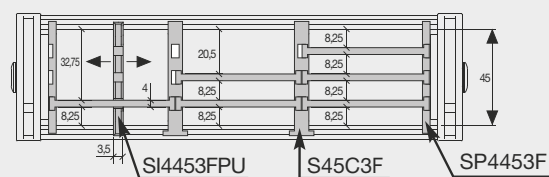
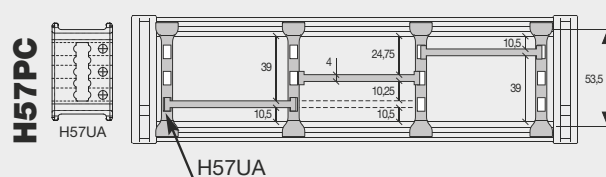
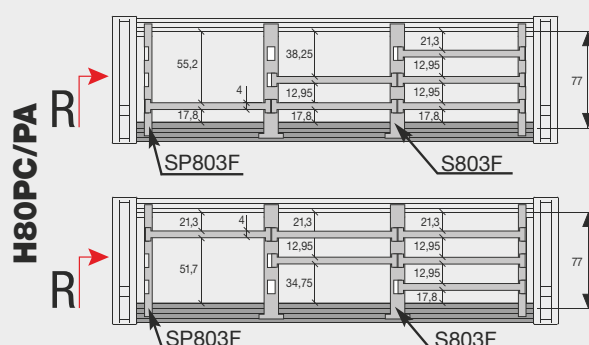
| Horizontal Separator Part Number | X mm | $\frac{X}{2}$            |
|----------------------------------|------|--------------------------|
| SO01016                          | 16   |                          |
| SO01025                          | 25   |                          |
| SO01029                          | 29   |                          |
| SO01035                          | 35   |                          |
| SO01041                          | 41   | SO01016 + S... + SO01016 |
| SO01050                          | 50   | SO01016 + S... + SO01025 |
| SO01059                          | 59   | SO01025 + S... + SO01025 |
| SO01066                          | 66   | SO01029 + S... + SO01029 |
| SO01074                          | 74   | SO01025 + S... + SO01041 |
| SO01091                          | 91   | SO01041 + S... + SO01041 |
| SO01108                          | 108  | SO01059 + S... + SO01041 |
| SO01120                          | 120  |                          |
| SO01140                          | 140  | SO01091 + S... + SO01041 |

| Horizontal Separator Part Number | X mm |
|----------------------------------|------|
| SO11031                          | 31   |
| SO11052                          | 52   |
| SO11068                          | 68   |

**H45SC**

Technical drawing of the H45SC chassis showing dimensions and component locations. The drawing includes the following dimensions and labels:

- Overall width: 28.5
- Overall height: 45
- Internal width segments: 12.5, 12.5, 12.5, 12.5
- Internal height segments: 12, 28.5
- Component labels: SI4452FPU, S45C2F, SP4452F
- Other dimensions: 28.5, 12.5, 12, 28.5, 4, 5, 1

[illegible][illegible]

**H110SC/SA**

115

89,9 72,7 55,5 38,3 21,1

13,2 13,2 13,2 13,2 13,2

21,1 21,1 21,1 21,1 21,1

SP1105F S1105F

**H110PC/PA**

107

21,1 21,1 21,1 21,1 21,1

13,2 13,2 13,2 13,2 13,2

81,9 64,7 47,5 30,3 13,1

4

**H110RC/RA**

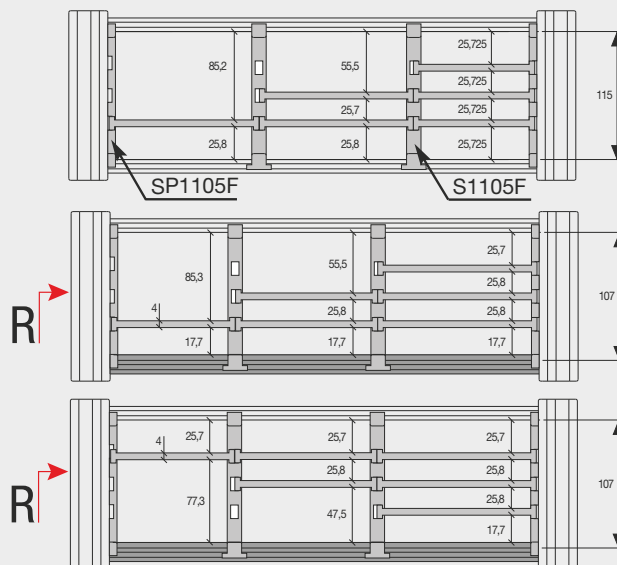
107

21,1 21,1 21,1 21,1 21,1

13,2 13,2 13,2 13,2 13,2

81,9 64,7 47,5 30,3 13,1

4



Technical drawing of a double-acting hydraulic cylinder. The drawing shows a side view of the cylinder with various dimensions and labels. The dimensions are: 4.5 (top left), 24 (top left), 10 (top left), 15 (top left), 5 (top left), 5 (top left), 35 (right side), 9 (bottom left), 4.5 (top left), 24 (top left), 10 (top left), 15 (top left), 5 (top left), 5 (top left), 35 (right side), 9 (bottom left). The labels are: S4353F (bottom left), SI4353F (bottom right), and X (top center). The drawing is a technical illustration of a hydraulic cylinder, showing the internal components and dimensions. The cylinder is shown in a side view, with the piston rod extending from the left. The dimensions are given in millimeters. The labels S4353F and SI4353F are the model numbers of the cylinder. The label X is the variable for the stroke length.

| Horizontal Separator Part Number | X mm |
|----------------------------------|------|
| SO11031                          | 31   |
| SO11052                          | 52   |
| SO11068                          | 68   |

Technical drawing of a 36-pin connector assembly. The drawing shows a side view of the connector with dimensions and component labels. Key dimensions include a total width of 36, a pin pitch of 2.4, and a pin diameter of 7.4. The drawing also shows a 7-pin connector on the left and a 7-pin connector on the right. The components are labeled S26C2E, SP363FPU, and SI363FPU. The drawing includes a dimension line for the distance between the two 7-pin connectors, labeled X.

| Horizontal Separator Part Number | X mm |
|----------------------------------|------|
| SO11031                          | 31   |
| SO11052                          | 52   |
| SO11068                          | 68   |

# Steel Cable Chains Steel Series

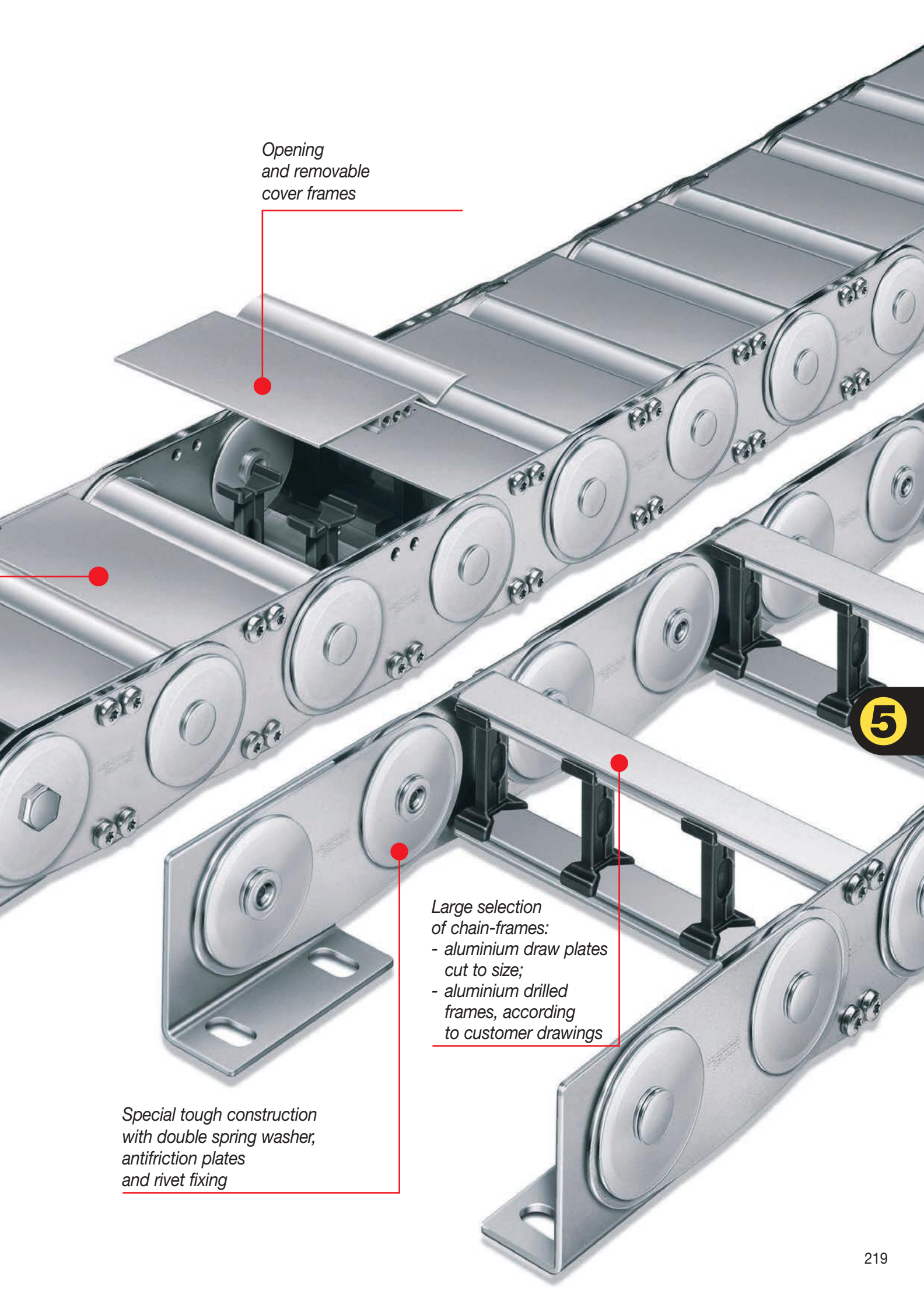
|             |          |
|-------------|----------|
| 20LT Series | page 220 |
| 20LC Series | page 222 |
| 30LT Series | page 224 |
| 30LC Series | page 226 |
| 35LT Series | page 228 |
| 35LC Series | page 230 |
| 40LT Series | page 232 |
| 40LC Series | page 234 |
| 42LT Series | page 236 |
| 45LT Series | page 238 |

*Completely enclosed design  
to protect chain contents from  
steel and wood chips, dust, etc.*



|                                                     |          |
|-----------------------------------------------------|----------|
| Sliding cable chains in bright zinc plated steel    | pag. 240 |
| Cable drag chains in steel for long travel distance | pag. 244 |
| Special offshore applications                       | pag. 245 |





Opening  
and removable  
cover frames

Large selection  
of chain-frames:  
- aluminium draw plates  
cut to size;  
- aluminium drilled  
frames, according  
to customer drawings

Special tough construction  
with double spring washer,  
antifriction plates  
and rivet fixing

5



## 20LT

### Bright Zinc Plated Steel chain with aluminium frame

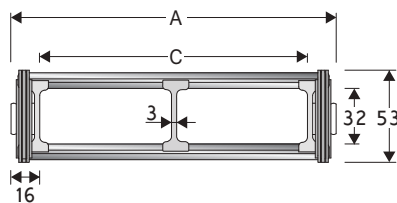
#### Inner height (D) 32 mm

Bright Zinc Plated Steel chain<sup>1</sup>.

Aluminium draw plates with nylon separator or Aluminium split cross piece created by design. A both can mounted every second links.

Alu-draw frames are standard mounted and every link. You can request the quote C with special quote.

<sup>(1)</sup> available in Stainless Steel.



#### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S20LTF   |
| - Assembled   | Part.no S20LTFMC |

#### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

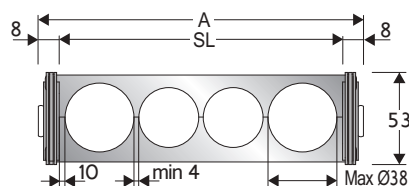
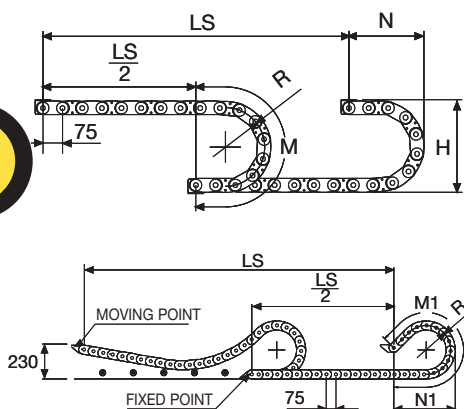
#### Aluminium frames with nylon separators

| A    | B  | C    | D  | R                       | Weight/m | Chain         |
|------|----|------|----|-------------------------|----------|---------------|
| mm   | mm | mm   | mm | mm                      | kg       | Part Number   |
| 111  | 53 | 79   | 32 | 075-115-150-205-250-305 | 4,41     | 20LT079 □□□ * |
| 136  | 53 | 104  | 32 | 075-115-150-205-250-305 | 4,56     | 20LT104 □□□ * |
| 186  | 53 | 154  | 32 | 075-115-150-205-250-305 | 4,86     | 20LT154 □□□ * |
| 236  | 53 | 204  | 32 | 075-115-150-205-250-305 | 5,15     | 20LT204 □□□ * |
| 286  | 53 | 254  | 32 | 075-115-150-205-250-305 | 5,45     | 20LT254 □□□ * |
| 336  | 53 | 304  | 32 | 075-115-150-205-250-305 | 5,75     | 20LT304 □□□ * |
| C+32 | 53 | .... | 32 | 075-115-150-205-250-305 |          | 20LT □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 20LT154 □□□ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex 20LT □□□□□ □□□ □

Chain equipped with aluminium draw plates every pitch: complete the code by inserting the letter D: Es. 20LT154250 □



#### Machined Cross Frame

Machined cross frames 20LA available on request for bending radius listed below. Custom solutions for machined cross frames realization, based on customer's and/or specific requirements. Please contact Brevetti Stendalto's Technical Department for further information.

| R   | H*  | N   | M    | N1   | M1   |
|-----|-----|-----|------|------|------|
| mm  | mm  | mm  | mm   | mm   | mm   |
| 075 | 216 | 180 | 390  | -    | -    |
| 115 | 296 | 220 | 515  | 500  | 1080 |
| 150 | 366 | 255 | 625  | 675  | 1485 |
| 205 | 476 | 310 | 795  | 885  | 2005 |
| 250 | 566 | 360 | 940  | 1030 | 2385 |
| 305 | 676 | 410 | 1110 | 1190 | 2825 |

\* The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to available space, refer to the Technical Deptm.

Length of chain (L)

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

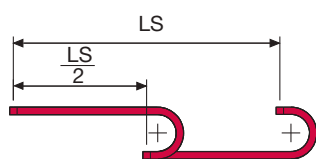
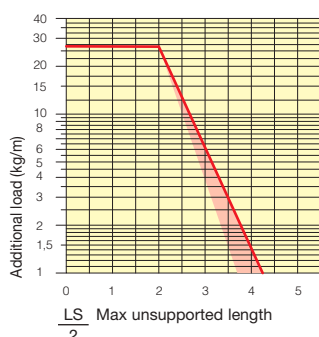
plus length of curve (M) or (M1)

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



## 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 containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

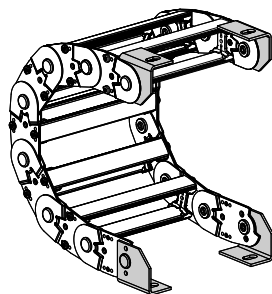
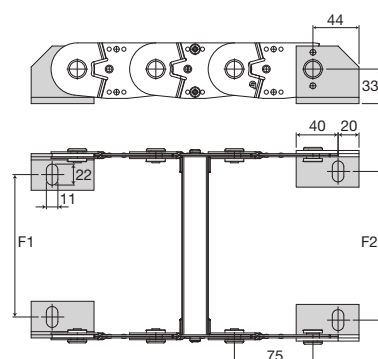


Fig. A  
Chain fixed inner/outer the radius (Fig A)



| Chain type      | F1 mm | F2 mm |
|-----------------|-------|-------|
| 20LT079         | 61    | 67    |
| 20LT104         | 86    | 92    |
| 20LT154         | 136   | 142   |
| 20LT204         | 186   | 192   |
| 20LT254         | 236   | 242   |
| 20LT304         | 286   | 292   |
| Special widths  |       |       |
| F1=A-50 F2=A-44 |       |       |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain type             | End Brackets Set |
| 20LT...                | A20LKM**         |

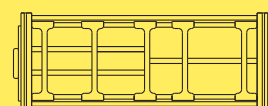
| Complete Set Unassembled     |                  |
|------------------------------|------------------|
| Chain type                   | End Brackets Set |
| 20LT ...                     | A20LK            |
| ** 1=Pos.1; 2=Pos.2; 3=Pos.3 |                  |

## Serie Steel

### 20LT Bright Zinc Plated Steel chain with aluminium frame



Suitable to long travel distance.  
See page 240



Supplementary movable separators.

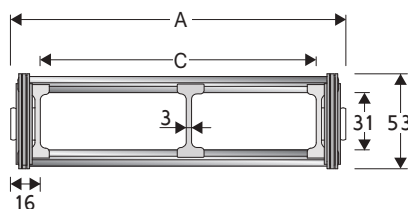
## 20LC

### Bright Zinc Plated Steel chain with aluminium covers

#### Inner height (D) 31 mm

Bright Zinc Plated Steel chain<sup>1</sup>.  
The cover is of Aluminium.  
You can request the quote C  
with special quote.

<sup>(1)</sup> available in Stainless Steel.



#### Separator

|               |                  |
|---------------|------------------|
| - Unassembled | Part.no S20LTF   |
| - Assembled   | Part.no S20LTFMC |

#### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

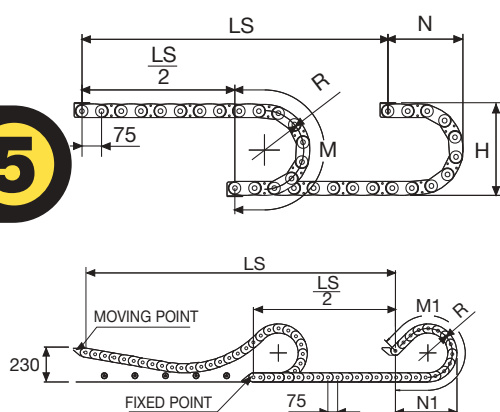
For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

#### Aluminium draw Plates with Nylon Separators

| A    | B  | C    | D  | R                   | Weight/m | Chain           |
|------|----|------|----|---------------------|----------|-----------------|
| mm   | mm | mm   | mm | mm                  | kg       | Part Number     |
| 111  | 53 | 79   | 31 | 115-150-205-250-305 | 5,73     | 20LC079 □□□ *   |
| 136  | 53 | 104  | 31 | 115-150-205-250-305 | 6,21     | 20LC104 □□□ *   |
| 186  | 53 | 154  | 31 | 115-150-205-250-305 | 7,18     | 20LC154 □□□ *   |
| 236  | 53 | 204  | 31 | 115-150-205-250-305 | 8,15     | 20LC204 □□□ *   |
| 286  | 53 | 254  | 31 | 115-150-205-250-305 | 9,12     | 20LC254 □□□ *   |
| 336  | 53 | 304  | 31 | 115-150-205-250-305 | 10,09    | 20LC304 □□□ *   |
| C+32 | 53 | .... | 31 | 115-150-205-250-305 |          | 20LC □□□ □□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 20LC154 □ □ □ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 20LC □ □ □ □ □ □ □ □



| R   | H*  | N   | M    | N1   | M1   |
|-----|-----|-----|------|------|------|
| mm  | mm  | mm  | mm   | mm   | mm   |
| 115 | 296 | 220 | 515  | 500  | 1080 |
| 150 | 366 | 255 | 625  | 675  | 1485 |
| 205 | 476 | 310 | 795  | 885  | 2005 |
| 250 | 566 | 360 | 940  | 1030 | 2385 |
| 305 | 676 | 410 | 1110 | 1190 | 2825 |

\* The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to available space, refer to the Technical Deptm.

Length of chain (L)

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

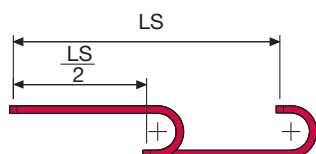
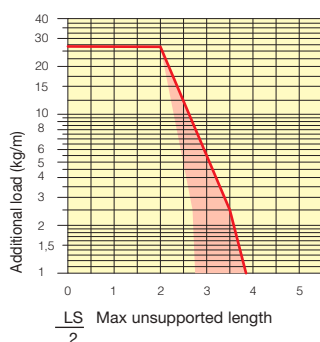
plus length of curve (M) or (M1)

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



## 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 containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

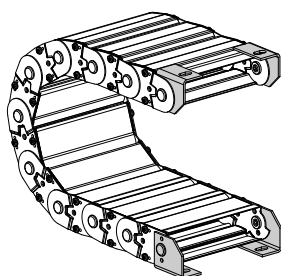
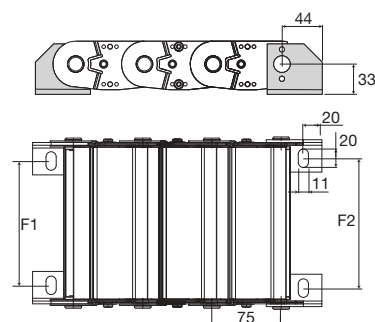


Fig. A  
Chain fixed outer radius (Fig A)



| Chain type      | F1 mm | F2 mm |
|-----------------|-------|-------|
| 20LC079         | 61    | 67    |
| 20LC104         | 86    | 92    |
| 20LC154         | 136   | 142   |
| 20LC204         | 186   | 192   |
| 20LC254         | 236   | 242   |
| 20LC304         | 286   | 292   |
| Special widths  |       |       |
| F1=A-50 F2=A-44 |       |       |

## Bright Zinc Plated Steel Type Part Number

| Complete Set Assembled |                  |
|------------------------|------------------|
| Chain type             | End Brackets Set |
| 20LC...                | A20LCKM□**       |

| Complete Set Unassembled |                  |
|--------------------------|------------------|
| Chain type               | End Brackets Set |
| 20LC...                  | A20CLK           |

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

## Serie Steel

## 20LC

Zinc plated steel chain with aluminium covers



Suitable to long travel distance.  
See page 240



# Serie Steel

## 30LT

### Bright Zinc Plated Steel Cable Chains

#### Inner height (D) 52 mm

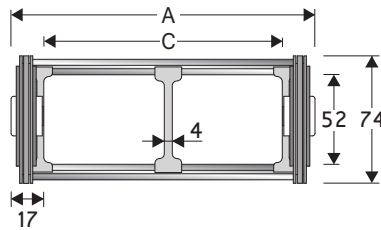
Zinc coated ultra-high-strength steel cable chain.

Available with aluminium frames (LT) or with aluminium holed cross-pieces (LA) mounted each second link.

Full-links frames assembling available on demand.

Inner width C can be required at the needed size.

Stainless steel 316L available on demand.



#### Separator

|                        |          |
|------------------------|----------|
| - Unassembled Part.no. | S308CO   |
| - Assembled Part.no.   | S308COMC |

#### Technical characteristics

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

For higher requirements please consult our technical dept.

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

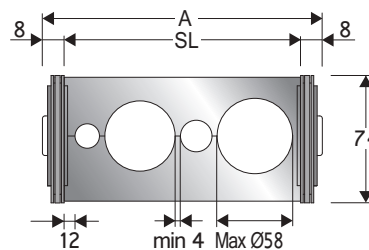
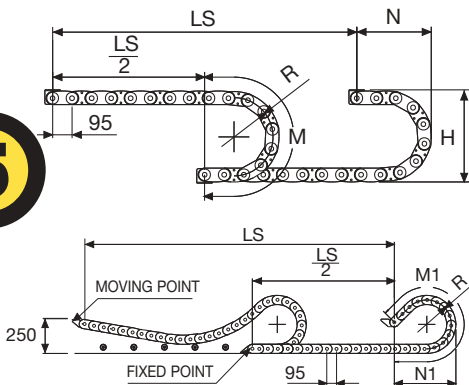
#### Aluminium frames with nylon separators

| A    | B  | C    | D  | R                       | Weight/m | Chain       |
|------|----|------|----|-------------------------|----------|-------------|
| mm   | mm | mm   | mm | mm                      | kg       | Part Number |
| 140  | 74 | 106  | 52 | 150-220-250-305-400-535 | 6,20     | 30LT106□□□* |
| 190  | 74 | 156  | 52 | 150-220-250-305-400-535 | 6,44     | 30LT156□□□* |
| 240  | 74 | 206  | 52 | 150-220-250-305-400-535 | 6,68     | 30LT206□□□* |
| 290  | 74 | 256  | 52 | 150-220-250-305-400-535 | 6,92     | 30LT256□□□* |
| 340  | 74 | 306  | 52 | 150-220-250-305-400-535 | 7,16     | 30LT306□□□* |
| 390  | 74 | 356  | 52 | 150-220-250-305-400-535 | 7,40     | 30LT356□□□* |
| 440  | 74 | 406  | 52 | 150-220-250-305-400-535 | 7,65     | 30LT406□□□* |
| 490  | 74 | 456  | 52 | 150-220-250-305-400-535 | 7,89     | 30LT456□□□* |
| 540  | 74 | 506  | 52 | 150-220-250-305-400-535 | 8,13     | 30LT506□□□* |
| C+34 | 74 | .... | 52 | 150-220-250-305-400-535 |          | 30LT□□□□□** |

\*Complete the code by inserting the value of the radius (R): Ex. 30LT156□□□□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 30LT□□□□□□□□

Chain equipped with aluminium draw plates every pitch: complete the code by inserting the letter D. Ex. 30LT156250□□



#### Machined Cross Frame

Machined cross frames 30LA available on request for bending radius listed below. Custom solutions for machined cross frames realization, based on customer's and/or specific requirements. Please contact Brevetti Stendalto's Technical Department for further information.

| R   | H*   | N   | M    | N1   | M1   |
|-----|------|-----|------|------|------|
| mm  | mm   | mm  | mm   | mm   | mm   |
| 150 | 388  | 290 | 670  | 830  | 1770 |
| 220 | 528  | 360 | 890  | 1145 | 2515 |
| 250 | 588  | 385 | 980  | 1255 | 2800 |
| 305 | 698  | 440 | 1150 | 1450 | 3285 |
| 400 | 888  | 540 | 1450 | 1740 | 4065 |
| 535 | 1158 | 675 | 1880 | 2110 | 5105 |

\*The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to the available space, refer to the Technical Dptm.

Length of chain (L)

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

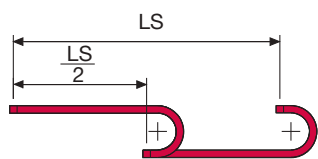
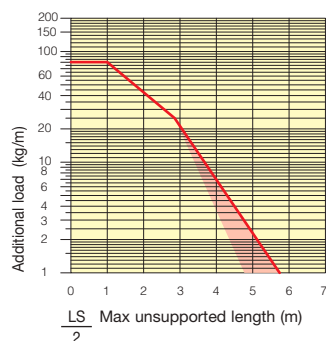
plus length of curve (M) or (M1)

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



## 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 assembled with 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

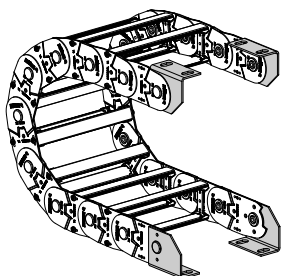
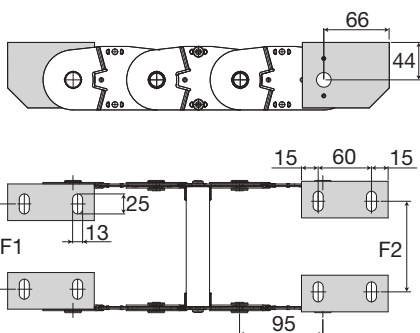


Fig. A  
Chain fixed outer radius. (Fig A)



| Chain Type     | F1 mm   | F2 mm |
|----------------|---------|-------|
| 30LT106        | 77      | 83    |
| 30LT156        | 127     | 133   |
| 30LT206        | 177     | 183   |
| 30LT256        | 227     | 233   |
| 30LT306        | 277     | 283   |
| 30LT356        | 327     | 333   |
| 30LT406        | 377     | 383   |
| 30LT456        | 427     | 433   |
| 30LT506        | 477     | 483   |
| Special widths |         |       |
| F1=A-63        | F2=A-57 |       |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled |              |
|------------------------|--------------|
| Chain                  | End Brackets |
| Type                   | Set          |
| 30LT...                | A30LKM□**    |

| Complete Set Unassembled |              |
|--------------------------|--------------|
| Chain                    | End Brackets |
| Type                     | Set          |
| 30LT...                  | A30LK        |

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

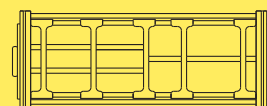
## Serie Steel

### 30LT

Bright Zinc Plated Steel Cable Chains



Suitable to long travel distance.  
See page 241



Supplementary movable separators.

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

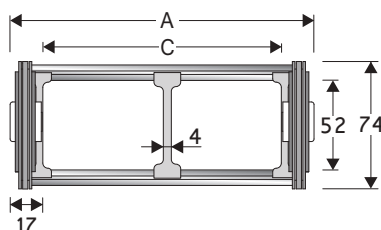
# Serie Steel

## 30LC

### Bright zinc plated steel cable chain with aluminium covers

#### Inner height (D) 52 mm

Bright Zinc Plated Steel Cable Chain with aluminium cover and the quote C can be in special size. Available it can be done in Stainless steel.



#### Separator

|               |         |          |
|---------------|---------|----------|
| - Unassembled | Part.no | S308CO   |
| - Assembled   | Part.no | S308COMC |

#### Technical characteristics

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

For higher requirements please consult our technical dept.

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

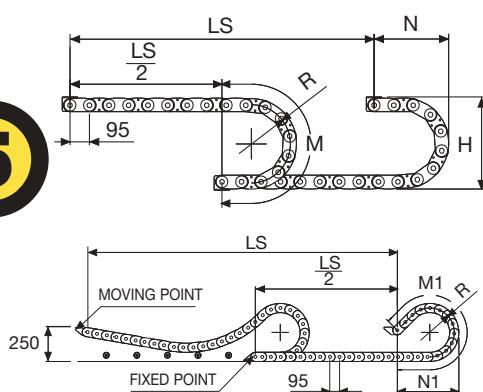
#### Aluminium frames with nylon separators

| A    | B  | C    | D  | R                       | Weight/m | Chain       |
|------|----|------|----|-------------------------|----------|-------------|
| mm   | mm | mm   | mm | mm                      | kg       | Part Number |
| 140  | 74 | 106  | 52 | 150-220-250-305-400-535 | 7,96     | 30LC106□□□* |
| 190  | 74 | 156  | 52 | 150-220-250-305-400-535 | 8,87     | 30LC156□□□* |
| 240  | 74 | 206  | 52 | 150-220-250-305-400-535 | 9,79     | 30LC206□□□* |
| 290  | 74 | 256  | 52 | 150-220-250-305-400-535 | 10,70    | 30LC256□□□* |
| 340  | 74 | 306  | 52 | 150-220-250-305-400-535 | 11,61    | 30LC306□□□* |
| 390  | 74 | 356  | 52 | 150-220-250-305-400-535 | 12,53    | 30LC356□□□* |
| 440  | 74 | 406  | 52 | 150-220-250-305-400-535 | 13,44    | 30LC406□□□* |
| 490  | 74 | 456  | 52 | 150-220-250-305-400-535 | 14,36    | 30LC456□□□* |
| 540  | 74 | 506  | 52 | 150-220-250-305-400-535 | 15,27    | 30LC506□□□* |
| C+34 | 74 | .... | 52 | 150-220-250-305-400-535 |          | 30LC□□□□□** |

\*Complete the code by inserting the value of the radius (R): Ex. 30LC156[2][5][0]

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 30LC[1][2][3][2][5][0]

5



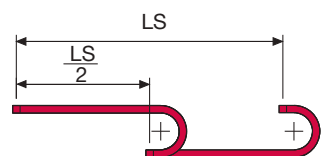
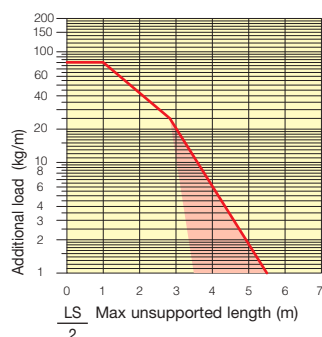
| R   | H*   | N   | M    | N1   | M1   |
|-----|------|-----|------|------|------|
| mm  | mm   | mm  | mm   | mm   | mm   |
| 150 | 388  | 290 | 670  | 830  | 1770 |
| 220 | 528  | 360 | 890  | 1145 | 2515 |
| 250 | 588  | 385 | 980  | 1255 | 2800 |
| 305 | 698  | 440 | 1150 | 1450 | 3285 |
| 400 | 888  | 540 | 1450 | 1740 | 4065 |
| 535 | 1158 | 675 | 1880 | 2110 | 5105 |

\*The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to the available space, refer to the Technical Dptm.



## 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

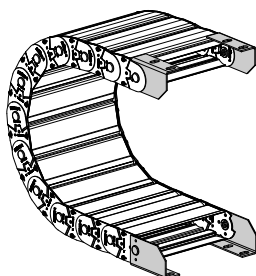
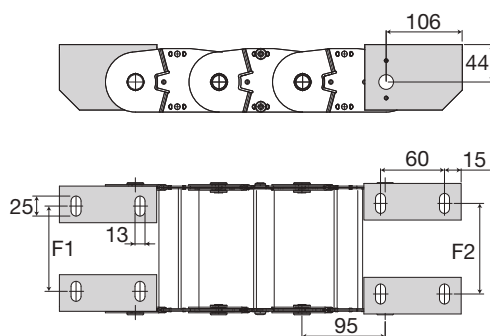


Fig. A  
Chain fixed outer radius. (Fig A)



| Chain Type      | F1 mm | F2 mm |
|-----------------|-------|-------|
| 30LC106         | 77    | 83    |
| 30LC156         | 127   | 133   |
| 30LC206         | 177   | 183   |
| 30LC256         | 227   | 233   |
| 30LC306         | 277   | 283   |
| 30LC356         | 327   | 333   |
| 30LC406         | 377   | 383   |
| 30LC456         | 427   | 433   |
| 30LC506         | 477   | 483   |
| Special widths  |       |       |
| F1=A-63 F2=A-57 |       |       |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | Chain   | End Brackets |
|------------------------|---------|--------------|
| Type                   | Type    | Set          |
| 30LC...                | A30LCKM | **           |

| Complete Set Unassembled | Chain  | End Brackets |
|--------------------------|--------|--------------|
| Type                     | Type   | Set          |
| 30LC...                  | A30LCK |              |

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

## Serie Steel

### 30LC

Bright zinc plated steel cable chain with aluminium covers



Suitable to long travel distance.  
See page 241



# Serie Steel

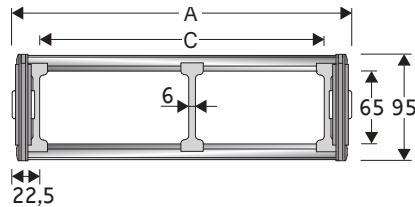
## 35LT

### Bright zinc plated steel cable chain with Alu-frames

#### Inner height (D) 65 mm

Bright Zinc Plated Steel Cable Chain.<sup>1</sup>  
Aluminium Holed cross pieces designed or Alu-frame are mounted each second link. Quote C can be in special size.

<sup>(1)</sup> available in Stainless Steel.



#### Separator

|               |         |           |
|---------------|---------|-----------|
| - Unassembled | Part.no | ST3500F   |
| - Assembled   | Part.no | ST3500FMC |

#### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

#### Aluminium frames with nylon separators

| A    | B  | C    | D  | R                               | Weight/m | Chain       |
|------|----|------|----|---------------------------------|----------|-------------|
| mm   | mm | mm   | mm | mm                              | kg       | Part Number |
| 149  | 95 | 104  | 65 | 200-250-300-350-400-450-500-600 | 10,30    | 35LT104□□□* |
| 199  | 95 | 154  | 65 | 200-250-300-350-400-450-500-600 | 10,67    | 35LT154□□□* |
| 249  | 95 | 204  | 65 | 200-250-300-350-400-450-500-600 | 11,04    | 35LT204□□□* |
| 299  | 95 | 254  | 65 | 200-250-300-350-400-450-500-600 | 11,41    | 35LT254□□□* |
| 349  | 95 | 304  | 65 | 200-250-300-350-400-450-500-600 | 11,78    | 35LT304□□□* |
| 399  | 95 | 354  | 65 | 200-250-300-350-400-450-500-600 | 12,15    | 35LT354□□□* |
| 449  | 95 | 404  | 65 | 200-250-300-350-400-450-500-600 | 12,52    | 35LT404□□□* |
| 499  | 95 | 454  | 65 | 200-250-300-350-400-450-500-600 | 12,89    | 35LT454□□□* |
| 549  | 95 | 504  | 65 | 200-250-300-350-400-450-500-600 | 13,26    | 35LT504□□□* |
| C+45 | 95 | .... | 65 | 200-250-300-350-400-450-500-600 |          | 35LT□□□□□** |

\*Complete the code by inserting the value of the radius (R): Ex. 35LT154□□□\*

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 35LT□□□□□□\*

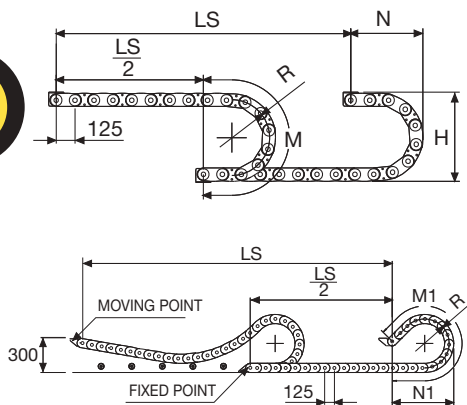
Chain equipped with aluminium draw plates every pitch: complete the code by inserting the letter D. Ex. 35LT154250□

#### Machined Cross Frame

Machined cross frames 35LA available on request for bending radius listed below. Custom solutions for machined cross frames realization, based on customer's and/or specific requirements. Please contact Brevetti Stendalto's Technical Department for further information.

| R   | H*   | N   | M    | N1   | M1   |
|-----|------|-----|------|------|------|
| mm  | mm   | mm  | mm   | mm   | mm   |
| 200 | 512  | 375 | 880  | 1100 | 2360 |
| 250 | 612  | 425 | 1040 | 1310 | 2870 |
| 300 | 712  | 480 | 1200 | 1495 | 3335 |
| 350 | 812  | 525 | 1350 | 1670 | 3775 |
| 400 | 912  | 575 | 1510 | 1825 | 4190 |
| 450 | 1012 | 625 | 1670 | 1975 | 4595 |
| 500 | 1112 | 675 | 1825 | 2120 | 4985 |
| 600 | 1312 | 775 | 2140 | 2390 | 5750 |

\*The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to the available space, refer to the Technical Deptm.

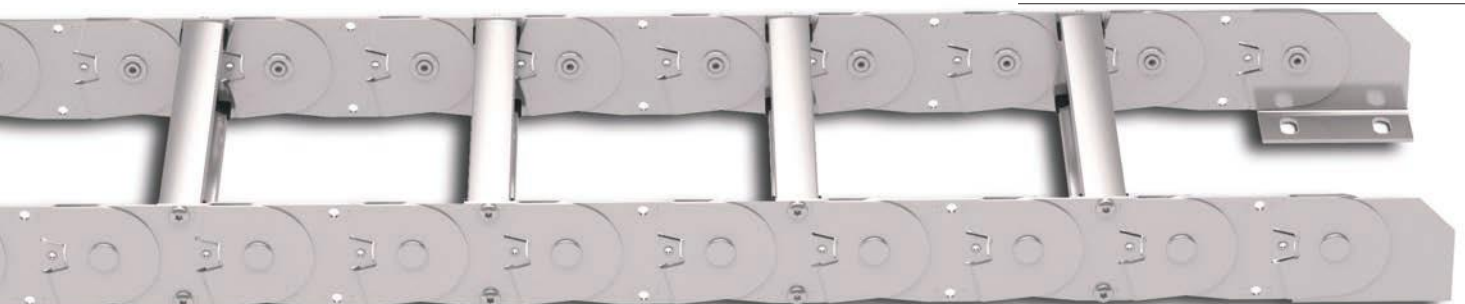
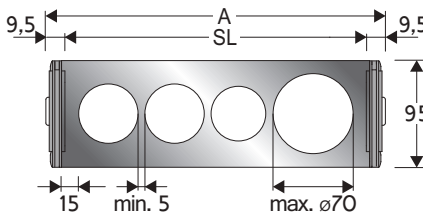


Length of chain (L)

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

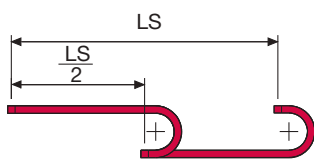
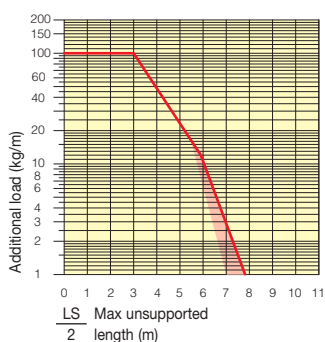
plus length of curve (M) or (M1)

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



## 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

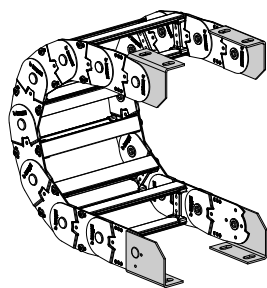
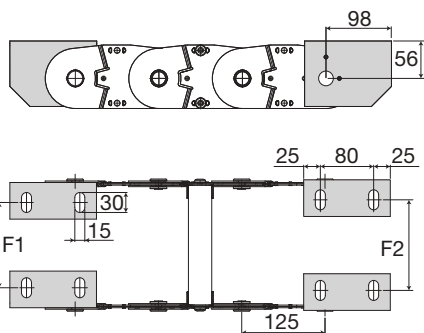


Fig. A  
Chain fixed outer radius (Fig A)



| Chain type          | F1 mm | F2 mm |
|---------------------|-------|-------|
| 35LT104             | 78    | 86    |
| 35LT154             | 128   | 136   |
| 35LT204             | 178   | 186   |
| 35LT254             | 228   | 236   |
| 35LT304             | 278   | 286   |
| 35LT354             | 328   | 336   |
| 35LT404             | 378   | 386   |
| 35LT454             | 428   | 436   |
| 35LT504             | 478   | 486   |
| Special widths      |       |       |
| F1=A-71,5 F2=A-63,5 |       |       |

## Bright Zinc Plated Steel Type Part Numbers

| Chain type | End Brackets Set |
|------------|------------------|
| 35LT...    | A35LKM□**        |

| Chain type | End Brackets Set |
|------------|------------------|
| 35LT...    | A35LKL           |

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

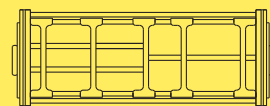
## Serie Steel

### 35LT

Bright zinc plated steel cable chain with Alu-frames



Suitable to long travel distance  
See page 242



Supplementary movable separators.

For further information please consult Brevetti Stendalto's Technical Office

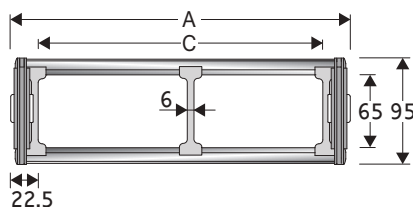
# Serie Steel

## 35LC

### Stainless steel cable chain with the aluminium covers

#### Inner height (D) 65 mm

Bright Zinc Plated Steel Cable Chain with aluminium cover and the quote C can be in special size. Available it can be done in Stainless steel.



#### Separator

|               |         |           |
|---------------|---------|-----------|
| - Unassembled | Part.no | ST3500F   |
| - Assembled   | Part.no | ST3500FMC |

#### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

#### Aluminium frames with nylon separators

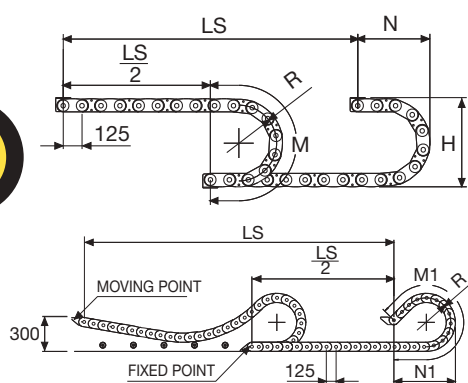
| A    | B  | C    | D  | R                               | Weight/m | Chain       |
|------|----|------|----|---------------------------------|----------|-------------|
| mm   | mm | mm   | mm | mm                              | kg       | Part Number |
| 149  | 95 | 104  | 65 | 200-250-300-350-400-450-500-600 | 12,20    | 35LC104□□□* |
| 199  | 95 | 154  | 65 | 200-250-300-350-400-450-500-600 | 13,23    | 35LC154□□□* |
| 249  | 95 | 204  | 65 | 200-250-300-350-400-450-500-600 | 14,26    | 35LC204□□□* |
| 299  | 95 | 254  | 65 | 200-250-300-350-400-450-500-600 | 15,29    | 35LC254□□□* |
| 349  | 95 | 304  | 65 | 200-250-300-350-400-450-500-600 | 16,32    | 35LC304□□□* |
| 399  | 95 | 354  | 65 | 200-250-300-350-400-450-500-600 | 17,35    | 35LC354□□□* |
| 449  | 95 | 404  | 65 | 200-250-300-350-400-450-500-600 | 18,37    | 35LC404□□□* |
| 499  | 95 | 454  | 65 | 200-250-300-350-400-450-500-600 | 19,40    | 35LC454□□□* |
| 549  | 95 | 504  | 65 | 200-250-300-350-400-450-500-600 | 20,43    | 35LC504□□□* |
| C+45 | 95 | .... | 65 | 200-250-300-350-400-450-500-600 |          | 35LC□□□□□** |

\*Complete the code by inserting the value of the radius (R): Ex. 35LC154[2][5][0]

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 35LC[1][2][3][2][5][0]

| R   | H*   | N   | M    | N1   | M1   |
|-----|------|-----|------|------|------|
| mm  | mm   | mm  | mm   | mm   | mm   |
| 200 | 512  | 375 | 880  | 1100 | 2360 |
| 250 | 612  | 425 | 1040 | 1310 | 2870 |
| 300 | 712  | 480 | 1200 | 1495 | 3335 |
| 350 | 812  | 525 | 1350 | 1670 | 3775 |
| 400 | 912  | 575 | 1510 | 1825 | 4190 |
| 450 | 1012 | 625 | 1670 | 1975 | 4595 |
| 500 | 1112 | 675 | 1825 | 2120 | 4985 |
| 600 | 1312 | 775 | 2140 | 2390 | 5750 |

\*The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to the available space, refer to the Technical Deptm.



Length of chain (L)

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

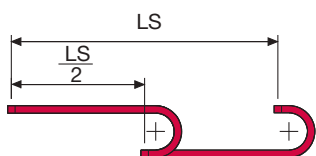
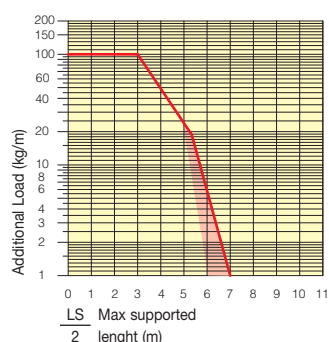
plus length of curve (M) or (M1)

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



## 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

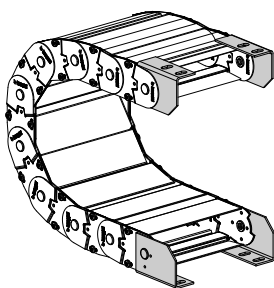
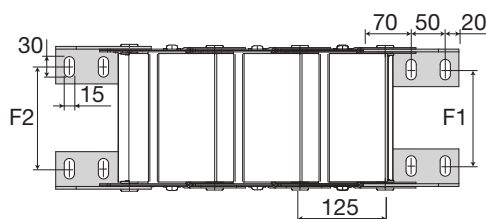
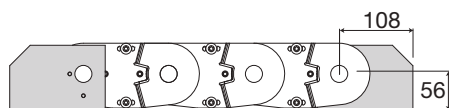


Fig. A  
Chain fixed outer radius (Fig A)



| Chain Type          | F1 mm | F2 mm |
|---------------------|-------|-------|
| 35LC104             | 78    | 86    |
| 35LC154             | 128   | 136   |
| 35LC204             | 178   | 186   |
| 35LC254             | 228   | 236   |
| 35LC304             | 278   | 286   |
| 35LC354             | 328   | 336   |
| 35LC404             | 378   | 386   |
| 35LC454             | 428   | 436   |
| 35LC504             | 478   | 486   |
| Special widths      |       |       |
| F1=A-71,5 F2=A-63,5 |       |       |

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assemble |                  |
|-----------------------|------------------|
| Chain type            | End Brackets Set |
| 35LC...               | A35LCKM□**       |

| Complete Set Unassemble |                  |
|-------------------------|------------------|
| Chain type              | End Brackets Set |
| 35LC...                 | A35LCK           |

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

## Serie Steel

### 35LC

Stainless steel cable chain with the aluminium covers



Suitable to long travel distance  
See page 242



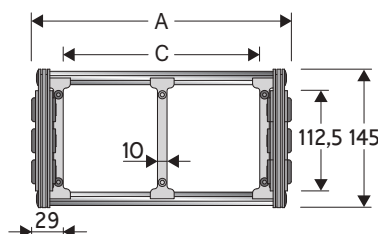
# Serie Steel

## 40LT

### Bright zinc plated steel cable chain with Alu-frames

#### Inner height (D) 112,5 mm

Bright Zinc Plated Steel Cable Chain.<sup>1</sup>  
Aluminium Holed cross pieces designed or Alu-frame are mounted each every link. Quote C can be in special quote.  
<sup>(1)</sup> available in Stainless Steel.



#### Separator

|               |                    |
|---------------|--------------------|
| - Unassembled | Part.no S310TCF9   |
| - Assembled   | Part.no S310TCF9MC |

#### Technical characteristics when self-supported

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

For higher requirements please consult our technical dept.

For sliding applications, characteristics techniques may vary depending on the frequency, added weight and work environment.

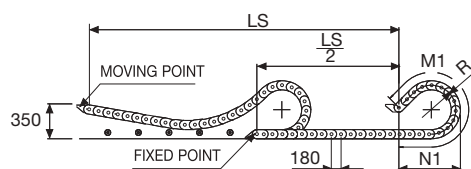
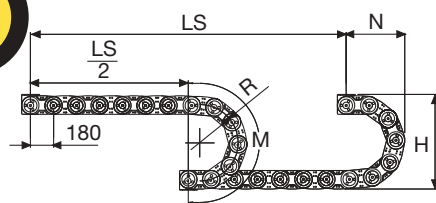
#### Aluminium frames with nylon separators

| A    | B   | C    | D     | R                                           | Weight/m | Chain         |
|------|-----|------|-------|---------------------------------------------|----------|---------------|
| mm   | mm  | mm   | mm    | mm                                          | kg       | Part Number   |
| 208  | 145 | 150  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 19,30    | 40LT150 □□□ * |
| 258  | 145 | 200  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 19,76    | 40LT200 □□□ * |
| 308  | 145 | 250  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 20,22    | 40LT250 □□□ * |
| 358  | 145 | 300  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 20,68    | 40LT300 □□□ * |
| 458  | 145 | 400  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 21,61    | 40LT400 □□□ * |
| 558  | 145 | 500  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 22,53    | 40LT500 □□□ * |
| C+58 | 145 | .... | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 |          | 40LT □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 40LT150 □ □ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 40LT □ □ □ □ □

5

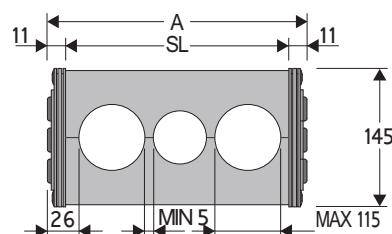


Length of chain (L)

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

plus length of curve (M) or (M1)

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



#### Machined Cross Frame

Machined cross frames 40LA available on request for bending radius listed below.

Custom solutions for machined cross frames realization, based on customer's and/or specific requirements.

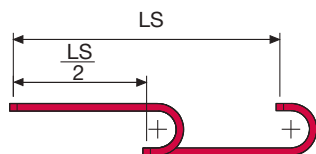
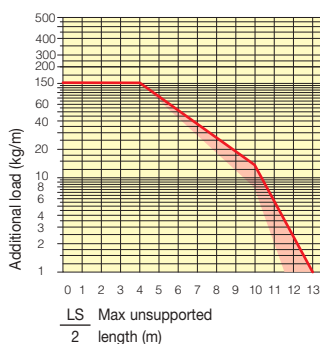
Please contact Brevetti Stendalto's Technical Department for further information.

| R    | H*   | N    | M    | N1   | M1   |
|------|------|------|------|------|------|
| mm   | mm   | mm   | mm   | mm   | mm   |
| 250  | 664  | 510  | 1150 | 1545 | 3285 |
| 300  | 764  | 555  | 1305 | 1755 | 3790 |
| 350  | 864  | 605  | 1460 | 1950 | 4265 |
| 400  | 964  | 655  | 1620 | 2125 | 4715 |
| 450  | 1064 | 710  | 1780 | 2295 | 5150 |
| 500  | 1164 | 755  | 1930 | 2455 | 5570 |
| 550  | 1264 | 805  | 2090 | 2605 | 5975 |
| 600  | 1364 | 855  | 2245 | 2755 | 6375 |
| 700  | 1564 | 955  | 2560 | 3035 | 7155 |
| 750  | 1664 | 1010 | 2720 | 3170 | 7535 |
| 850  | 1864 | 1105 | 3030 | 3430 | 8280 |
| 1000 | 2164 | 1255 | 3500 | -    | -    |

\* The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to available space, refer to the Technical Deptm.

## 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

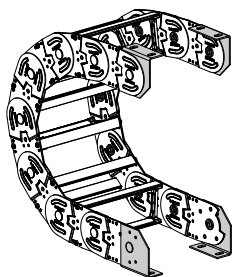
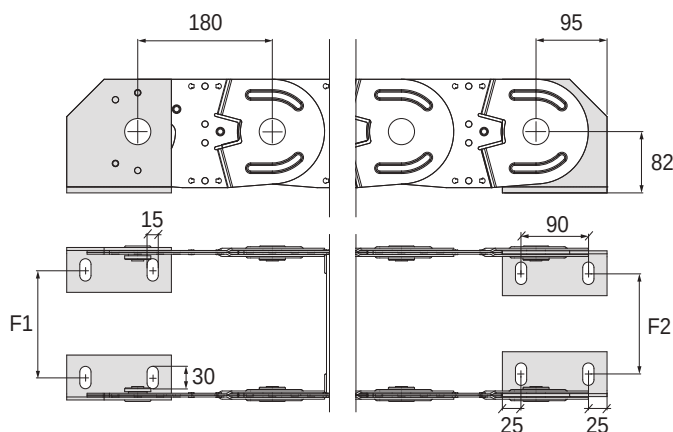


Fig. A  
Chain fixed outer radius (Fig A)  
See mounting variations page 31



| Chain type     | F1 mm  |
|----------------|--------|
| 40LT150        | 135    |
| 40LT200        | 185    |
| 40LT250        | 235    |
| 40LT300        | 285    |
| 40LT400        | 385    |
| 40LT500        | 485    |
| Special Widths | F=A-73 |

| Chain type     | F2 mm  |
|----------------|--------|
| 40LT150        | 144    |
| 40LT200        | 194    |
| 40LT250        | 244    |
| 40LT300        | 294    |
| 40LT400        | 394    |
| 40LT500        | 494    |
| Special Widths | F=A-64 |

## Bright Zinc Plated Steel Type Part Numbers

| Chain type | End Brackets Set |
|------------|------------------|
| 40...      | A40LKM □ **      |

| Chain type | End Brackets Set |
|------------|------------------|
| 40...      | A40LK            |

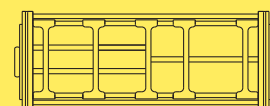
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
See mounting variations page 31

## Serie Steel

### 40LT Bright zinc plated steel cable chain with Alu-frame



Suitable to long travel distance  
See page 243



Supplementary movable separators

For further information please consult Brevetti Stendalto's Technical Office

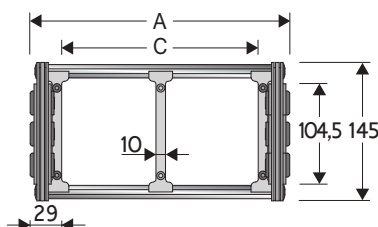
# Serie Steel

## 40LC

### Zinc plated steel chain with aluminium cover

#### Inner height (D) 104,5 mm

Bright Zinc Plated Steel Cable Chain with aluminium cover and the quote C can be in special size. Available it can be done in Stainless steel.



#### Separator

|               |                    |
|---------------|--------------------|
| - Unassembled | Part.no S310TCF9   |
| - Assembled   | Part.no S310TCF9MC |

#### Technical characteristics when self-supported

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

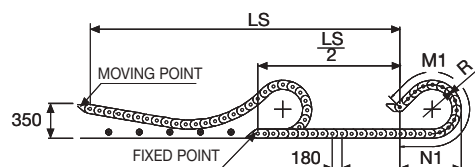
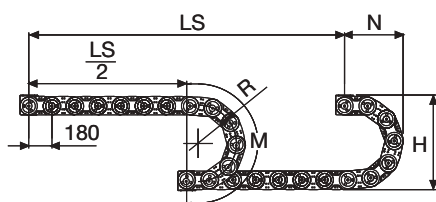
For higher requirements please consult our technical dept.

#### Aluminium Draw Plates with nylon separators

| A    | B   | C    | D     | R                                           | Weight/m | Chain           |
|------|-----|------|-------|---------------------------------------------|----------|-----------------|
| mm   | mm  | mm   | mm    | mm                                          | kg       | Part Number     |
| 208  | 145 | 150  | 104,5 | 250-300-350-400-450-500-550-600-700-750-850 | 22,47    | 40LC150 □□□ *   |
| 258  | 145 | 200  | 104,5 | 250-300-350-400-450-500-550-600-700-750-850 | 23,84    | 40LC200 □□□ *   |
| 308  | 145 | 250  | 104,5 | 250-300-350-400-450-500-550-600-700-750-850 | 25,20    | 40LC250 □□□ *   |
| 358  | 145 | 300  | 104,5 | 250-300-350-400-450-500-550-600-700-750-850 | 26,56    | 40LC300 □□□ *   |
| 458  | 145 | 400  | 104,5 | 250-300-350-400-450-500-550-600-700-750-850 | 29,28    | 40LC400 □□□ *   |
| 558  | 145 | 500  | 104,5 | 250-300-350-400-450-500-550-600-700-750-850 | 31,01    | 40LC500 □□□ *   |
| C+58 | 145 | .... | 104,5 | 250-300-350-400-450-500-550-600-700-750-850 |          | 40LC □□□ □□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 40LC150 □ □ □ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 40LC □ □ □ □ □ □ □ □



Length of chain (L)

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

plus length of curve (M) or (M1)

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

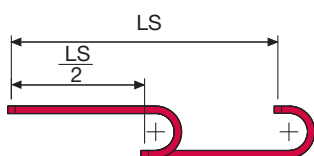
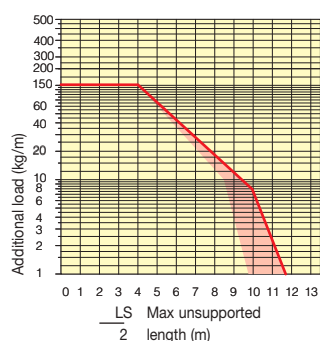
| R    | H*   | N    | M    | N1   | M1   |
|------|------|------|------|------|------|
| mm   | mm   | mm   | mm   | mm   | mm   |
| 250  | 650  | 510  | 1150 | 1545 | 3285 |
| 300  | 750  | 555  | 1305 | 1755 | 3790 |
| 350  | 850  | 605  | 1460 | 1950 | 4265 |
| 400  | 950  | 655  | 1620 | 2125 | 4715 |
| 450  | 1050 | 710  | 1780 | 2295 | 5150 |
| 500  | 1150 | 755  | 1930 | 2455 | 5570 |
| 550  | 1250 | 805  | 2090 | 2605 | 5975 |
| 600  | 1350 | 855  | 2245 | 2755 | 6375 |
| 700  | 1550 | 955  | 2560 | 3035 | 7155 |
| 750  | 1650 | 1010 | 2720 | 3170 | 7535 |
| 850  | 1850 | 1105 | 3030 | 3430 | 8280 |
| 1000 | 2150 | 1255 | 3500 | -    | -    |

\* The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to the available space, refer to the Technical Dptm.



## 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

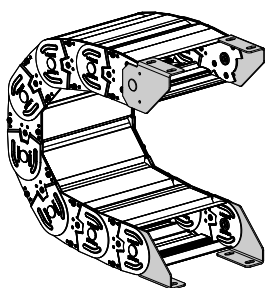
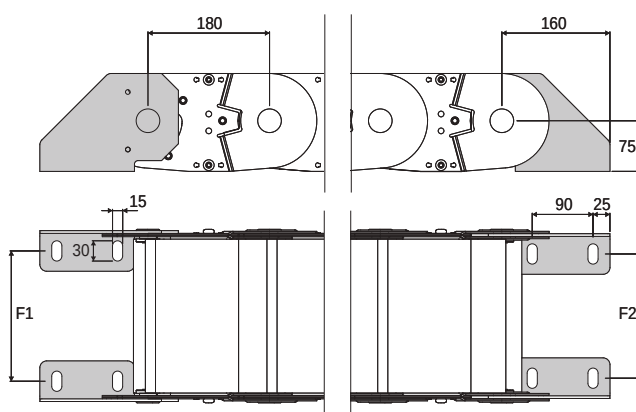


Fig. A  
Chain fixed outer radius (Fig A)  
See mounting variations page 31



| Chain type | F1 mm | F2 mm |
|------------|-------|-------|
| 40LC150    | 144   | 135   |
| 40LC200    | 194   | 185   |
| 40LC250    | 244   | 235   |
| 40LC300    | 294   | 285   |
| 40LC400    | 394   | 385   |
| 40LC500    | 494   | 485   |

Special Widths

F1=A-64 F2=A-73

## Bright Zinc Plated Steel Type Part Numbers

| Complete Set Assembled | Chain   | End Brackets |
|------------------------|---------|--------------|
| Type                   | Type    | Set          |
| 40LC                   | A40LCKM | □ *          |

| Complete Set Unassembled | Chain  | End Brackets |
|--------------------------|--------|--------------|
| Type                     | Type   | Set          |
| 40LC                     | A40LCK |              |

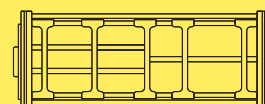
\*\* 1=Pos.1; 2=Pos.2; 3=Pos.3  
Mount Variant page 31

## Serie Steel

### 40LC Zinc plated steel chain with aluminium cover



Suitable to long travel distance  
See page 243



Supplementary movable  
separators.

For further information please  
consult Brevetti Stendalto's  
Technical Office



# Serie Steel

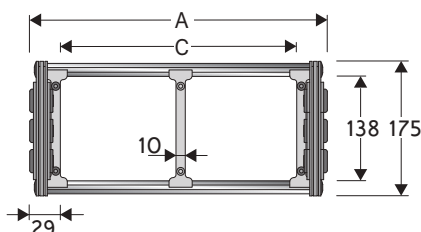
## 42LT

### Bright zinc plated steel cable chain with Alu-frames

#### Inner height (D) 138 mm

Bright Zinc Plated Steel Cable Chain.<sup>1</sup>  
Aluminium Holed cross pieces designed  
or Alu-frame are mounted every link.  
Quote C can be in special size.

<sup>(1)</sup> available in Stainless Steel.



#### Separator

|               |                   |
|---------------|-------------------|
| - Unassembled | Part.no S42TCF9   |
| - Assembled   | Part.no S42TCF9MC |

#### Technical characteristics when self-supported

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

For higher requirements please consult our  
technical dept.

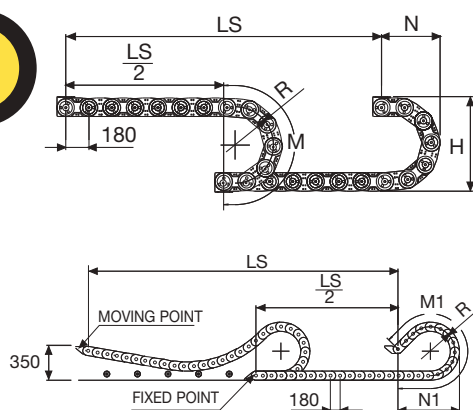
For sliding applications, characteristics  
techniques may vary depending on the  
frequency, added weight and work environment.

#### Aluminium draw plates with nylon separators

| A    | B   | C    | D   | R                                           | Weight/m | Chain         |
|------|-----|------|-----|---------------------------------------------|----------|---------------|
| mm   | mm  | mm   | mm  | mm                                          | kg       | Part Number   |
| 208  | 175 | 150  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 22,84    | 42LT150 □□□ * |
| 258  | 175 | 200  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 23,30    | 42LT200 □□□ * |
| 308  | 175 | 250  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 23,76    | 42LT250 □□□ * |
| 358  | 175 | 300  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 24,22    | 42LT300 □□□ * |
| 458  | 175 | 400  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 25,15    | 42LT400 □□□ * |
| 558  | 175 | 500  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 26,07    | 42LT500 □□□ * |
| C+58 | 175 | .... | 138 | 250-300-350-400-450-500-550-600-700-750-850 |          | 42LT □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): 42LT150 □ □ □ □

\*\*Complete the code by inserting the value of the quota C and the radius (R): Es. 42LT □ □ □ □ □ □ □ □

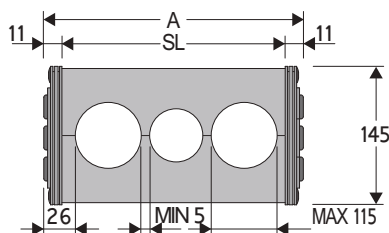


Length of chain (L)

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

plus length of curve (M) or (M1)

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



#### Machined Cross Frame

Machined cross frames (42LA) available on  
request for bending radius listed below.  
Custom solutions for machined cross frames  
realization, based on customer's and/or  
specific requirements. Please contact Brevetti  
Stendalto's Technical Department for further  
information.

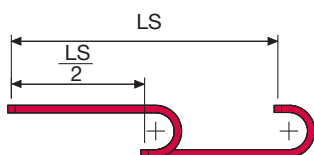
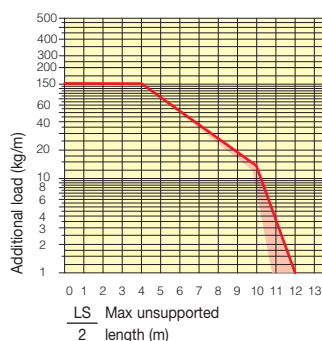
| R    | H*   | N    | M    | N1   | M1   |
|------|------|------|------|------|------|
| mm   | mm   | mm   | mm   | mm   | mm   |
| 250  | 720  | 510  | 1150 | 1545 | 3285 |
| 300  | 820  | 555  | 1305 | 1755 | 3790 |
| 350  | 920  | 605  | 1460 | 1950 | 4265 |
| 400  | 1020 | 655  | 1620 | 2125 | 4715 |
| 450  | 1120 | 710  | 1780 | 2295 | 5150 |
| 500  | 1220 | 755  | 1930 | 2455 | 5570 |
| 550  | 1320 | 805  | 2090 | 2605 | 5975 |
| 600  | 1420 | 855  | 2245 | 2755 | 6375 |
| 700  | 1620 | 955  | 2560 | 3035 | 7155 |
| 750  | 1720 | 1010 | 2720 | 3170 | 7535 |
| 850  | 1920 | 1105 | 3030 | 3430 | 8280 |
| 1000 | 2220 | 1255 | 3500 | -    | -    |

\*The height H should be increased by 10 mm/m  
approx. because of preload. In case of limitation to  
the available space, refer to the Technical Deptm.



## 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

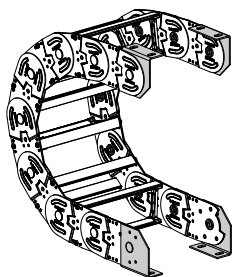
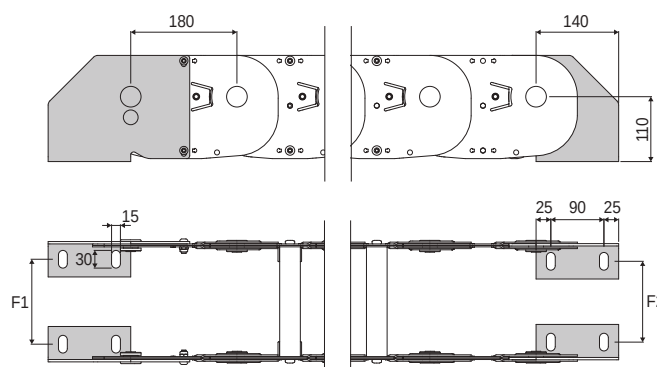


Fig. A  
Chain fixed outer radius (Fig A). See mounting variations page 31



| Chain Type     | F1 mm  |
|----------------|--------|
| 42LT150        | 144    |
| 42LT200        | 194    |
| 42LT250        | 244    |
| 42LT300        | 294    |
| 42LT400        | 394    |
| 42LT500        | 494    |
| Special Widths | F=A-64 |

| Chain type     | F2 mm  |
|----------------|--------|
| 42LT150        | 135    |
| 42LT200        | 185    |
| 42LT250        | 235    |
| 42LT300        | 285    |
| 42LT400        | 385    |
| 42LT500        | 485    |
| Special Widths | F=A-73 |

## Bright Zinc Plated Steel Type Part Numbers

| Chain type | End Brackets Set |
|------------|------------------|
| 42LT...    | A42LKM □ **      |

| Chain type | End Brackets Set |
|------------|------------------|
| 42LT...    | A42LK            |

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

## Serie Steel

### 42LT

Bright zinc plated steel cable chain with Alu-frames



Suitable to long travel distance  
See page 243

# Serie Steel

## 45LT

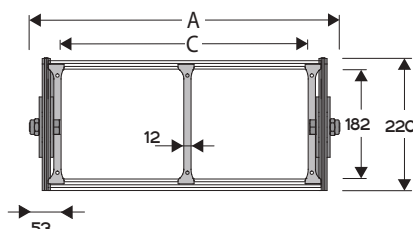
### Zinc plated steel cable chain with Alu-frames

#### Inner height (D) 182 mm

Zinc Plated Steel Cable Chain.<sup>1</sup>

Aluminium Holed cross pieces designed or Alu-frame are mounted every link. Quote C can be in special size.

<sup>(1)</sup> available in Stainless Steel.



#### Separator

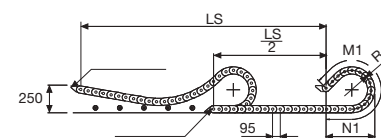
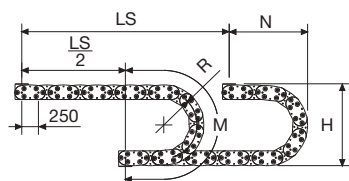
|               |                     |
|---------------|---------------------|
| - Unassembled | Part.no ST4500F1C   |
| - Assembled   | Part.no ST4500F1CMC |

#### Technical characteristics when self-supported

Speed 0,5 m/s

Acceleration 2 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)

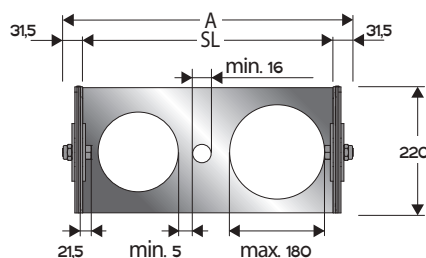
$$L = \frac{LS}{2} + M \text{ or } M1$$

#### Aluminium Draw Plates with Separators in Nylon

| A     | B   | C    | D   | R                                  | Weight/m | Chain           |
|-------|-----|------|-----|------------------------------------|----------|-----------------|
| mm    | mm  | mm   | mm  | mm                                 | kg       | Part Number     |
| 406   | 220 | 300  | 182 | 400-500-600-650-800-1000-1250-1500 | 42,40    | 45LT300 □□□ *   |
| 456   | 220 | 350  | 182 | 400-500-600-650-800-1000-1250-1500 | 42,77    | 45LT350 □□□ *   |
| 506   | 220 | 400  | 182 | 400-500-600-650-800-1000-1250-1500 | 43,10    | 45LT400 □□□ *   |
| 556   | 220 | 450  | 182 | 400-500-600-650-800-1000-1250-1500 | 43,44    | 45LT450 □□□ *   |
| 606   | 220 | 500  | 182 | 400-500-600-650-800-1000-1250-1500 | 43,77    | 45LT500 □□□ *   |
| 706   | 220 | 600  | 182 | 400-500-600-650-800-1000-1250-1500 | 44,43    | 45LT600 □□□ *   |
| C+106 | 220 | .... | 182 | 400-500-600-650-800-1000-1250-1500 | ....     | 45LT □□□ □□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex.45LT300 □□□ □□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex.45LT □□□ □□□ □□□ □□



#### Machined Cross Frame

Machined cross frames (45LA) available on request for bending radius listed below.

Custom solutions for machined cross frames realization, based on customer's and/or specific requirements.

| R    | H*   | N    | M    | N1   | M1    |
|------|------|------|------|------|-------|
| mm   | mm   | mm   | mm   | mm   | mm    |
| 400  | 1032 | 770  | 1760 | 2510 | 5330  |
| 500  | 1232 | 870  | 2070 | 2940 | 6365  |
| 600  | 1432 | 970  | 2390 | 3325 | 7315  |
| 650  | 1532 | 1020 | 2540 | 3505 | 7770  |
| 800  | 1832 | 1170 | 3020 | 4010 | 9075  |
| 1000 | 2232 | 1370 | 3650 | 4625 | 10710 |
| 1250 | 2732 | 1620 | 4430 | 5330 | 12655 |
| 1500 | 3232 | 1865 | 5215 | 5985 | 14525 |

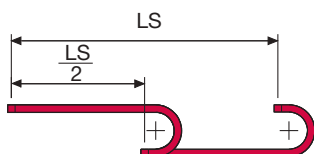
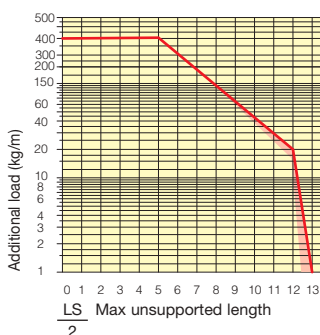
\* The height H should be increased by 10 mm/m approx. because of preload. In case of limitation to the available space, refer to the Technical Deptm.

Please contact Brevetti Stendalto's Technical Department for further information.



## 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 aluminium draw plates 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, containing four steel plates screwed to the links allows the two ends of the chain to be attached to the equipment.

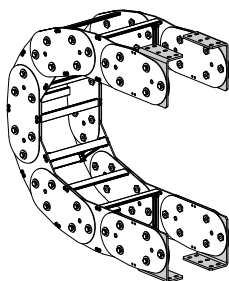
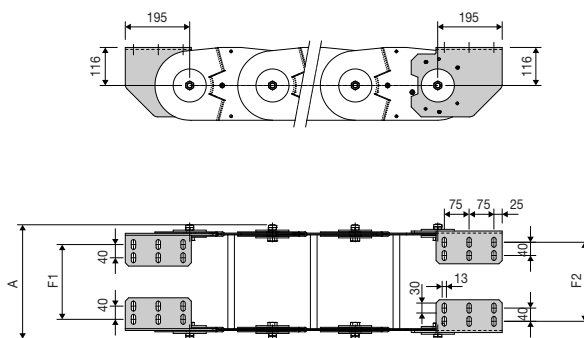


Fig. A  
Chain fixed outside the radius. (Fig A)  
See end brackets mounting variations page 31.



| Chain Type     | F1 mm    |
|----------------|----------|
| 45LT300        | 299      |
| 45LT350        | 349      |
| 45LT400        | 399      |
| 45LT450        | 449      |
| 45LT500        | 499      |
| 45LT600        | 599      |
| Special widths | F= A-107 |

| Chain Type     | F2 mm    |
|----------------|----------|
| 45LT300        | 287      |
| 45LT350        | 337      |
| 45LT400        | 387      |
| 45LT450        | 437      |
| 45LT500        | 487      |
| 45LT600        | 587      |
| Special widths | F= A-119 |

## Bright Zinc Plated Steel Type Part Numbers

| Chain Type | End Brackets Set |
|------------|------------------|
| 45...      | A45LKM □ **      |

| Chain Type | End Brackets Set |
|------------|------------------|
| 45...      | A45LK            |

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

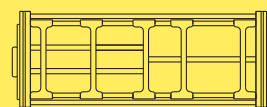
## Serie Steel

### 45LT

Zinc plated steel cable chain with Alu-frames



Suitable to long travel distance



Supplementary movable separators.

For further information please consult Brevetti Stendalto's Technical Office



# Serie Steel

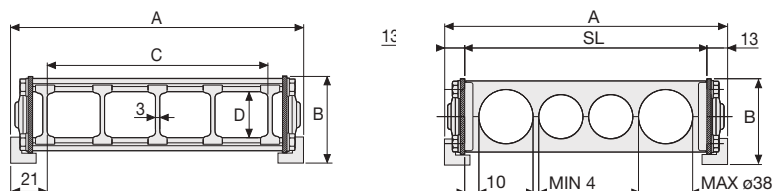
## Sliding cable chains in bright zinc plated steel

### Technical characteristics when self-supported

|              |                    |
|--------------|--------------------|
| Speed        | 2 m/s              |
| Acceleration | 2 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

## 20LPT with aluminium draw plates



| A    | B    | C    | D  | R                   | Weight/m | Chain          |
|------|------|------|----|---------------------|----------|----------------|
| mm   | mm   | mm   | mm | mm                  | kg       | Part Number    |
| 121  | 58,5 | 79   | 32 | 115-150-205-250-305 | 4,82     | 20LPT079 □□□ * |
| 146  | 58,5 | 104  | 32 | 115-150-205-250-305 | 4,97     | 20LPT104 □□□ * |
| 196  | 58,5 | 154  | 32 | 115-150-205-250-305 | 5,27     | 20LPT154 □□□ * |
| 246  | 58,5 | 204  | 32 | 115-150-205-250-305 | 5,57     | 20LPT204 □□□ * |
| 296  | 58,5 | 254  | 32 | 115-150-205-250-305 | 5,87     | 20LPT254 □□□ * |
| 346  | 58,5 | 304  | 32 | 115-150-205-250-305 | 6,17     | 20LPT304 □□□ * |
| C+42 | 58,5 | .... | 32 | 115-150-205-250-305 |          | 20LPT □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 20LPT154 □ □ □ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 20LPT □ □ □ □ □ □ □ □

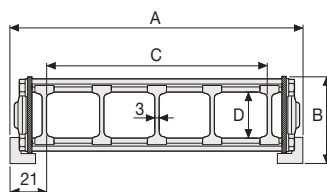
Chain equipped with aluminium draw plates every pitch: complete the code by inserting the letter D: Ex. 20LPT154250 □ □

### Aluminium split cross pieces created by design

| A     | B    | R                   | Chain           |
|-------|------|---------------------|-----------------|
| mm    | mm   | mm                  | Part Number     |
| SL+26 | 58,5 | 115-150-205-250-305 | 20LPA □□□□□ *** |

\*\*\*Complete the code by inserting the value of the quote SL and the radius (R): Ex. 20LPA □ □ □ □ □ □ □ □ □ □

## 20LPC with aluminium covers



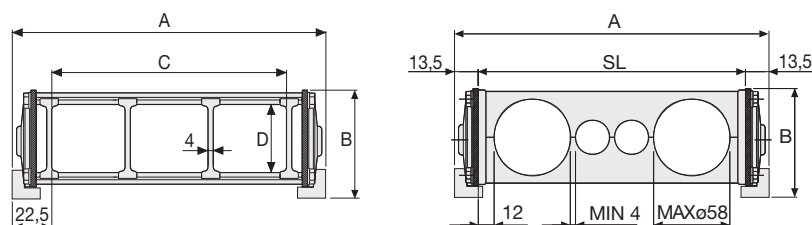
| A    | B    | C    | D  | R                   | Weight/m | Chain          |
|------|------|------|----|---------------------|----------|----------------|
| mm   | mm   | mm   | mm | mm                  | kg       | Part Number    |
| 121  | 58,5 | 79   | 31 | 115-150-205-250-305 | 6,59     | 20LPC079 □□□ * |
| 146  | 58,5 | 104  | 31 | 115-150-205-250-305 | 7,08     | 20LPC104 □□□ * |
| 196  | 58,5 | 154  | 31 | 115-150-205-250-305 | 8,05     | 20LPC154 □□□ * |
| 246  | 58,5 | 204  | 31 | 115-150-205-250-305 | 9,02     | 20LPC204 □□□ * |
| 296  | 58,5 | 254  | 31 | 115-150-205-250-305 | 9,99     | 20LPC254 □□□ * |
| 346  | 58,5 | 304  | 31 | 115-150-205-250-305 | 10,96    | 20LPC304 □□□ * |
| C+42 | 58,5 | .... | 31 | 115-150-205-250-305 |          | 20LPC □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 20LPC154 □ □ □ □

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 20LPC □ □ □ □ □ □ □ □



## 30LPT with aluminium draw plates



| A    | B    | C    | D  | R                       | Weight/m | Chain        |
|------|------|------|----|-------------------------|----------|--------------|
| mm   | mm   | mm   | mm | mm                      | kg       | Part Number  |
| 151  | 81,5 | 106  | 52 | 150-220-250-305-400-535 | 6,71     | 30LPT106□□□* |
| 201  | 81,5 | 156  | 52 | 150-220-250-305-400-535 | 6,95     | 30LPT156□□□* |
| 251  | 81,5 | 206  | 52 | 150-220-250-305-400-535 | 7,20     | 30LPT206□□□* |
| 301  | 81,5 | 256  | 52 | 150-220-250-305-400-535 | 7,44     | 30LPT256□□□* |
| 351  | 81,5 | 306  | 52 | 150-220-250-305-400-535 | 7,68     | 30LPT306□□□* |
| 401  | 81,5 | 356  | 52 | 150-220-250-305-400-535 | 7,92     | 30LPT356□□□* |
| 451  | 81,5 | 406  | 52 | 150-220-250-305-400-535 | 8,16     | 30LPT406□□□* |
| 501  | 81,5 | 456  | 52 | 150-220-250-305-400-535 | 8,41     | 30LPT456□□□* |
| 551  | 81,5 | 506  | 52 | 150-220-250-305-400-535 | 8,65     | 30LPT506□□□* |
| C+45 | 81,5 | .... | 52 | 150-220-250-305-400-535 |          | 30LPT□□□□□** |

\*Complete the code by inserting the value of the radius (R): Ex. 30LPT156□□□□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 30LPT□□□□□□

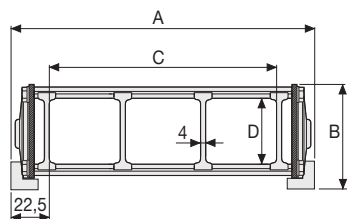
Chain equipped with aluminium draw plates every pitch: complete the code by inserting the letter D: Ex. 30LPT156250□□

### Aluminium split cross pieces created by design

| A     | B    | R                       | Chain         |
|-------|------|-------------------------|---------------|
| mm    | mm   | mm                      | Part Number   |
| SL+27 | 81,5 | 150-220-250-305-400-535 | 30LPA□□□□□*** |

\*\*\*Complete the code by inserting the value of the SL and the radius (R): Es. 30LPA□□□□□□□□

## 30LPC with aluminium covers



| A    | B    | C    | D  | R                       | Weight/m | Chain        |
|------|------|------|----|-------------------------|----------|--------------|
| mm   | mm   | mm   | mm | mm                      | kg       | Part Number  |
| 151  | 81,5 | 106  | 52 | 150-220-250-305-400-535 | 8,38     | 30LPC106□□□* |
| 201  | 81,5 | 156  | 52 | 150-220-250-305-400-535 | 9,30     | 30LPC156□□□* |
| 251  | 81,5 | 206  | 52 | 150-220-250-305-400-535 | 10,21    | 30LPC206□□□* |
| 301  | 81,5 | 256  | 52 | 150-220-250-305-400-535 | 11,13    | 30LPC256□□□* |
| 351  | 81,5 | 306  | 52 | 150-220-250-305-400-535 | 12,04    | 30LPC306□□□* |
| 401  | 81,5 | 356  | 52 | 150-220-250-305-400-535 | 12,95    | 30LPC356□□□* |
| 451  | 81,5 | 406  | 52 | 150-220-250-305-400-535 | 13,87    | 30LPC406□□□* |
| 501  | 81,5 | 456  | 52 | 150-220-250-305-400-535 | 14,79    | 30LPC456□□□* |
| 551  | 81,5 | 506  | 52 | 150-220-250-305-400-535 | 15,70    | 30LPC506□□□* |
| C+45 | 81,5 | .... | 52 | 150-220-250-305-400-535 |          | 30LPC□□□□□** |

\*Complete the code by inserting the value of the radius (R): Ex. 30LPC156□□□□

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 30LPC□□□□□□□□

Sliding low-friction skids fastened to the links allow chains running on themselves, all the while granting them to get more longer strokes. Aluminium Draw Plates with nylon separations or aluminium split cross piece created by design. Separators system available.

(1) Available in Stainless steel

# Serie Steel

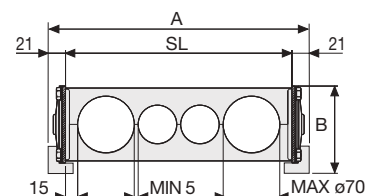
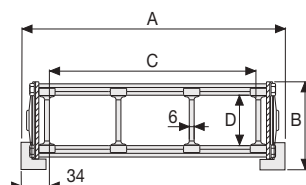
## Sliding cable chains in bright zinc plated steel

### Technical characteristics when self-supported

|              |                    |
|--------------|--------------------|
| Speed        | 2 m/s              |
| Acceleration | 2 m/s <sup>2</sup> |

For higher requirements please consult our technical dept.

## 35LPT with aluminium draw plates



| A    | B   | C    | D  | R                               | Weight/m | Chain          |
|------|-----|------|----|---------------------------------|----------|----------------|
| mm   | mm  | mm   | mm | mm                              | kg       | Part Number    |
| 172  | 107 | 104  | 65 | 200-250-300-350-400-450-500-600 | 11,49    | 35LPT104 □□□ * |
| 222  | 107 | 154  | 65 | 200-250-300-350-400-450-500-600 | 11,86    | 35LPT154 □□□ * |
| 272  | 107 | 204  | 65 | 200-250-300-350-400-450-500-600 | 12,23    | 35LPT204 □□□ * |
| 322  | 107 | 254  | 65 | 200-250-300-350-400-450-500-600 | 12,60    | 35LPT254 □□□ * |
| 372  | 107 | 304  | 65 | 200-250-300-350-400-450-500-600 | 12,97    | 35LPT304 □□□ * |
| 422  | 107 | 354  | 65 | 200-250-300-350-400-450-500-600 | 13,33    | 35LPT354 □□□ * |
| 472  | 107 | 404  | 65 | 200-250-300-350-400-450-500-600 | 13,70    | 35LPT404 □□□ * |
| 522  | 107 | 454  | 65 | 200-250-300-350-400-450-500-600 | 14,07    | 35LPT454 □□□ * |
| 572  | 107 | 504  | 65 | 200-250-300-350-400-450-500-600 | 14,44    | 35LPT504 □□□ * |
| C+68 | 107 | .... | 65 | 200-250-300-350-400-450-500-600 |          | 35LPT □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 35PT154 [3] [5] [0]

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 35PT [7] [2] [3] [3] [5] [0]

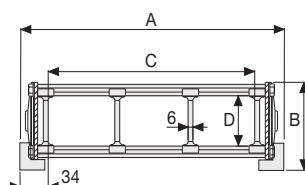
Chain equipped with aluminium draw plates every pitch: complete the code by inserting the letter D. Ex. 35LT154350 [0]

### Aluminium split cross pieces created by design

| A     | B   | R                               | Chain           |
|-------|-----|---------------------------------|-----------------|
| mm    | mm  | mm                              | Part Number     |
| SL+42 | 107 | 200-250-300-350-400-450-500-600 | 35LPA □□□□□ *** |

\*\*\*Complete the code by inserting the value of SL and the radius (R): Ex. 35LPA [7] [5] [0] [2] [5] [0]

## 35LPC with aluminium covers



| A    | B   | C    | D  | R                               | Weight/m | Chain          |
|------|-----|------|----|---------------------------------|----------|----------------|
| mm   | mm  | mm   | mm | mm                              | kg       | Part Number    |
| 172  | 107 | 104  | 65 | 200-250-300-350-400-450-500-600 | 13,26    | 35LPC104 □□□ * |
| 222  | 107 | 154  | 65 | 200-250-300-350-400-450-500-600 | 14,29    | 35LPC154 □□□ * |
| 272  | 107 | 204  | 65 | 200-250-300-350-400-450-500-600 | 15,32    | 35LPC204 □□□ * |
| 322  | 107 | 254  | 65 | 200-250-300-350-400-450-500-600 | 16,35    | 35LPC254 □□□ * |
| 372  | 107 | 304  | 65 | 200-250-300-350-400-450-500-600 | 17,38    | 35LPC304 □□□ * |
| 422  | 107 | 354  | 65 | 200-250-300-350-400-450-500-600 | 18,41    | 35LPC354 □□□ * |
| 472  | 107 | 404  | 65 | 200-250-300-350-400-450-500-600 | 19,44    | 35LPC404 □□□ * |
| 522  | 107 | 454  | 65 | 200-250-300-350-400-450-500-600 | 20,46    | 35LPC454 □□□ * |
| 572  | 107 | 504  | 65 | 200-250-300-350-400-450-500-600 | 21,49    | 35LPC504 □□□ * |
| C+68 | 107 | .... | 65 | 200-250-300-350-400-450-500-600 |          | 35LPC □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 35LC154 [2] [5] [0]

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 35LPC [7] [2] [3] [2] [5] [0]

## 40LPT with aluminium draw plates

| A    | B     | C    | D     | R                                           | Weight/m | Chain          |
|------|-------|------|-------|---------------------------------------------|----------|----------------|
| mm   | mm    | mm   | mm    | mm                                          | kg       | Part Number    |
| 230  | 161,5 | 150  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 20,71    | 40LPT150 □□□ * |
| 280  | 161,5 | 200  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 21,17    | 40LPT200 □□□ * |
| 330  | 161,5 | 250  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 21,63    | 40LPT250 □□□ * |
| 380  | 161,5 | 300  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 22,09    | 40LPT300 □□□ * |
| 480  | 161,5 | 400  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 23,02    | 40LPT400 □□□ * |
| 580  | 161,5 | 500  | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 | 23,94    | 40LPT500 □□□ * |
| C+80 | 161,5 | .... | 112,5 | 250-300-350-400-450-500-550-600-700-750-850 |          | 40LPT □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 40LPT150 [2][5][0]

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 40LPT [1][2][3][2][5][0]

### Aluminium split cross pieces created by design

| A     | B     | R                                           | Chain           |
|-------|-------|---------------------------------------------|-----------------|
| mm    | mm    | mm                                          | Part Number     |
| SL+44 | 161,5 | 250-300-350-400-450-500-550-600-700-750-850 | 40LPA □□□□□ *** |

\*\*\*Complete the code by inserting the value of SL and of the radius (R): Ex. 40LTA [1][5][0][2][5][0]

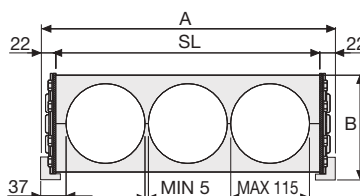
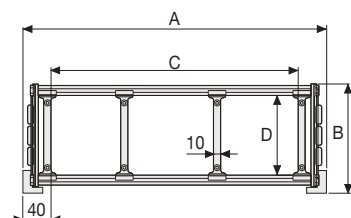
## 40LPC with aluminium covers

| A    | B     | C    | D   | R                                           | Weight/m | Chain          |
|------|-------|------|-----|---------------------------------------------|----------|----------------|
| mm   | mm    | mm   | mm  | mm                                          | kg       | Part Number    |
| 230  | 161,5 | 150  | 104 | 250-300-350-400-450-500-550-600-700-750-850 | 23,96    | 40LPC150 □□□ * |
| 280  | 161,5 | 200  | 104 | 250-300-350-400-450-500-550-600-700-750-850 | 25,33    | 40LPC200 □□□ * |
| 330  | 161,5 | 250  | 104 | 250-300-350-400-450-500-550-600-700-750-850 | 26,69    | 40LPC250 □□□ * |
| 380  | 161,5 | 300  | 104 | 250-300-350-400-450-500-550-600-700-750-850 | 28,05    | 40LPC300 □□□ * |
| 480  | 161,5 | 400  | 104 | 250-300-350-400-450-500-550-600-700-750-850 | 30,77    | 40LPC400 □□□ * |
| 580  | 161,5 | 500  | 104 | 250-300-350-400-450-500-550-600-700-750-850 | 33,50    | 40LPC500 □□□ * |
| C+80 | 161,5 | .... | 104 | 250-300-350-400-450-500-550-600-700-750-850 |          | 40LPC □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 40LPC150 [3][5][0]

\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 40LPC [1][2][3][3][5][0]

## 42LPT with aluminium covers



| A    | B     | C    | D   | R                                           | Weight/m | Chain          |
|------|-------|------|-----|---------------------------------------------|----------|----------------|
| mm   | mm    | mm   | mm  | mm                                          | kg       | Part Number    |
| 230  | 191,5 | 150  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 24,25    | 42LPT150 □□□ * |
| 280  | 191,5 | 200  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 24,71    | 42LPT200 □□□ * |
| 330  | 191,5 | 250  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 25,17    | 42LPT250 □□□ * |
| 380  | 191,5 | 300  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 25,63    | 42LPT300 □□□ * |
| 430  | 191,5 | 400  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 26,56    | 42LPT400 □□□ * |
| 580  | 191,5 | 500  | 138 | 250-300-350-400-450-500-550-600-700-750-850 | 27,48    | 42LPT500 □□□ * |
| C+80 | 191,5 | .... | 138 | 250-300-350-400-450-500-550-600-700-750-850 |          | 42LPT □□□□□ ** |

\*Complete the code by inserting the value of the radius (R): Ex. 42LPT150 [3][5][0]

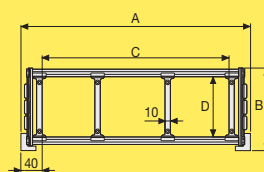
\*\*Complete the code by inserting the value of the quote C and the radius (R): Ex. 42LPT [1][5][0][3][5][0]



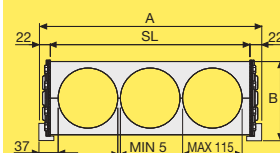
Sliding low-friction skirts fastened to the links allow chains running on themselves, all the while granting them to get more longer strokes. Aluminium Draw Plates with nylon separations or aluminium split cross piece created by design. Separators system available.

(1) Available in Stainless steel

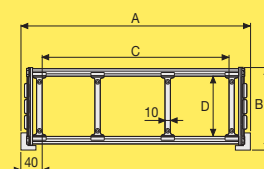
## 40LPT



## 40LPA



## 40LPC



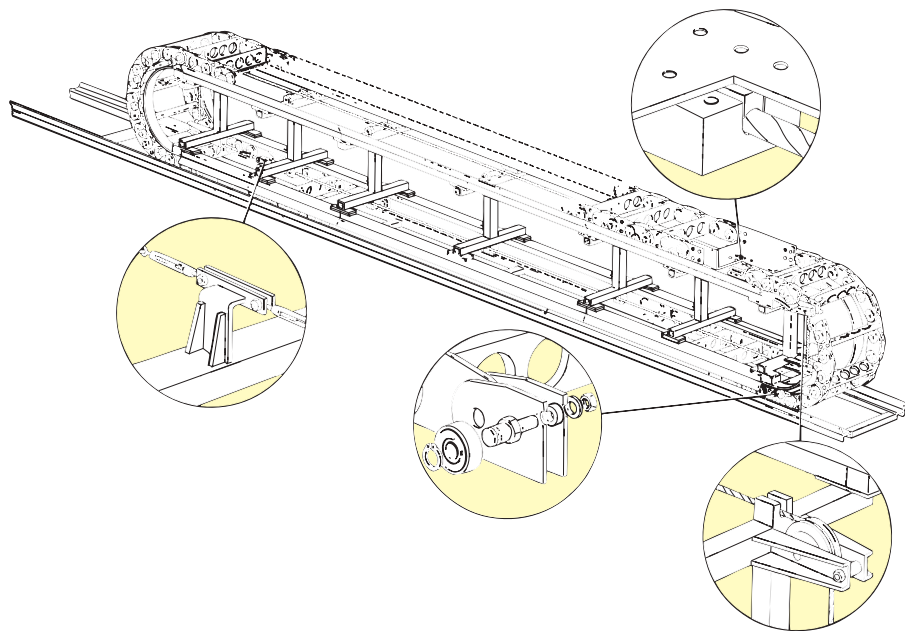
For further information please consult Brevetti Stendalto's Technical Office



# Cable Drag Chains in Steel for Long Travel Distance

The use of cable chains in applications with particularly long travel distances offers many benefits. The possibilities of the combined transportation of high power cables, signal cables and hydraulic hoses, together with ease of use and no need for maintenance, are the unquestionable advantages of the system. Specific applications, characterised by particularly aggressive conditions in the environment, require cable chains in steel. Brevetti Stendalto has offered for many years, with positive results their own system based on the use of two steel drag chains and a travelling internal supporting frame. The chains are arranged in a closed loop configuration, having

a fixed bracket and a movable towing bracket. A secondary similar closed loop, made of steel wire rope, drives the supporting frame along the entire travel at a suitable speed, thus ensuring a continuous support to relieve all stresses. In addition to this a trough is arranged to contain and guide the chain system along the total travel. The chains are fitted with wheels on ball bearings, to keep to a minimum the friction on the supporting frame. The supporting frame can be made both in galvanised steel, or if requested, in stainless steel.



35 chains with supporting frame applied to De Icing equipment at München airport (Germany). The length of the travel distance is 90 m and it's velocity is 90 m per minute.



# Special off-shore Applications

The Brevetti Stendalto steel cable chains have been used in Off-shore applications for many years. The high standard of quality required and the special materials needed are characteristics in these kinds of applications.

On request cable chains of special dimensions which have been personalised according to the clients needs are being used.



Platform "Oseberg"

A: 45 chain in stainless steel 316L

B: 45 chain in stainless steel 316L for rotations of  $\pm 180^\circ$



Platform "Tiffany"

Specially designed chains in stainless steel 316L  
Length of travel distance: 27 m  
Total weight of the chains: 13 Ton.







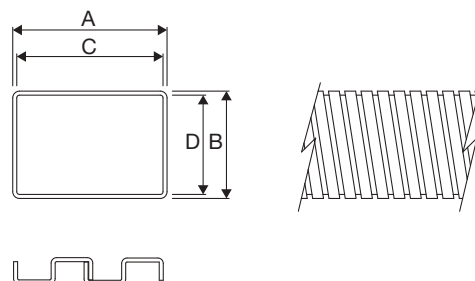
# Steel Cable Conduit

**Construction:** steel helix-wire conduit with packingless link junction

**Material:** cold-milled non-alloy steel grade St 3 (1.0330), DIN 1624, bright zinc-plated

**Quality:** highly flexible, resistant against traction and compression

**Use:** protection of electric cables and flexible hoses



| DIMENSIONS and CHARACTERISTICS |           |                  |           |             |           |                                  |                            |                |
|--------------------------------|-----------|------------------|-----------|-------------|-----------|----------------------------------|----------------------------|----------------|
| Outer dimensions               |           | Inner dimensions |           | Bend radius |           | Maximum unsupported length ( m ) | Weight $\pm 10\%$ ( kg/m ) | Part number    |
| A x B                          | Tolerance | C x D            | Tolerance | Radius      | Tolerance |                                  |                            |                |
| 50 x 30                        | + 1       | 47,0 x 26,8      | - 1       | 70          | - 10      | 1,5 - 2,0                        | 2,00                       | GPC015□□□□*□** |
| 50 x 50                        | + 1       | 46,8 x 46,8      | - 1       | 120         | - 10      | 1,5 - 2,0                        | 2,50                       | GPC025□□□□*□** |
| 85 x 45                        | + 1       | 81,0 x 40,8      | - 1       | 100         | - 10      | 2                                | 3,00                       | GPC038□□□□*□** |
| 65 x 65                        | + 1       | 60,8 x 60,8      | - 1       | 130         | - 10      | 2                                | 2,14                       | GPC042□□□□*□** |
| 85 x 60                        | + 1       | 81,0 x 55,8      | - 1       | 130         | - 10      | 2                                | 3,50                       | GPC051□□□□*□** |
| 115 x 60                       | + 1       | 110,2 x 54,8     | - 1       | 130         | - 20      | 2                                | 4,80                       | GPC069□□□□*□** |
| 115 x 80                       | + 1       | 110,0 x 74,6     | - 1       | 170         | - 20      | 2,0 - 2,5                        | 5,30                       | GPC092□□□□*□** |
| 140 x 90                       | + 1       | 135,0 x 84,6     | - 1       | 180         | - 20      | 2,0 - 2,5                        | 6,60                       | GPC126□□□□*□** |
| 175 x 80                       | + 1       | 169,8 x 74,4     | - 1       | 170         | - 20      | 2,0 - 2,5                        | 7,20                       | GPC140□□□□*□** |
| 140 x 110                      | + 1       | 134,4 x 104,0    | - 1       | 250         | - 20      | 2,0 - 2,5                        | 6,12                       | GPC154□□□□*□** |
| 175 x 110                      | + 1       | 169,6 x 104,2    | - 1       | 250         | - 20      | 3                                | 8,20                       | GPC193□□□□*□** |
| 220 x 110                      | $\pm 1,5$ | 214,4 x 104,4    | - 1       | 250         | - 20      | 3                                | 7,82                       | GPC242□□□□*□** |

\*Complete the code by inserting flange type: e.g. GPC1015□□□□□□

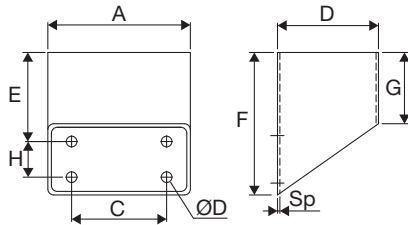
\*\*Complete the code by inserting flange mounting version: e.g. GPC1015FSF1□



# Steel Cable Conduit

## Flanges

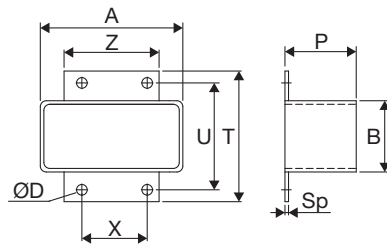
### STANDARD FLANGES FS



#### DIMENSIONS and CHARACTERISTICS

| Part number | Standard flanges |     |     |    |      |     |    |    |      |
|-------------|------------------|-----|-----|----|------|-----|----|----|------|
|             | A                | B   | C   | ØD | E    | F   | G  | H  | Thk. |
| GPC015...   | 54               | 34  | 20  | 7  | 45,0 | 60  | 30 | -  | 2,0  |
| GPC025...   | 54               | 54  | 20  | 7  | 45,0 | 60  | 30 | -  | 2,0  |
| GPC038...   | 90               | 50  | 50  | 7  | 67,5 | 90  | 45 | -  | 2,0  |
| GPC042...   | 70               | 70  | 50  | 7  | 67,5 | 90  | 45 | -  | 2,0  |
| GPC051...   | 90               | 65  | 50  | 7  | 67,5 | 90  | 45 | -  | 2,0  |
| GPC069...   | 120              | 65  | 80  | 9  | 70,0 | 120 | 60 | 40 | 2,0  |
| GPC092...   | 120              | 85  | 80  | 9  | 70,0 | 120 | 60 | 40 | 2,0  |
| GPC126...   | 145              | 95  | 105 | 9  | 70,0 | 120 | 60 | 40 | 2,0  |
| GPC140...   | 180              | 85  | 140 | 9  | 97,5 | 165 | 80 | 50 | 2,0  |
| GPC154...   | 145              | 115 | 140 | 9  | 97,5 | 165 | 80 | 50 | 2,0  |
| GPC193...   | 180              | 115 | 140 | 9  | 97,5 | 165 | 80 | 50 | 2,0  |
| GPC242...   | 225              | 115 | 150 | 9  | 97,5 | 165 | 80 | 50 | 2,0  |

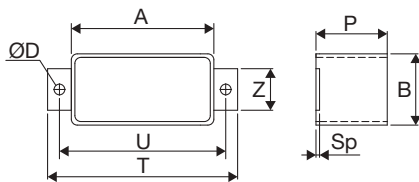
### FRONTAL FLANGES TYPE F1



#### DIMENSIONS and CHARACTERISTICS

| Part number | Frontal flanges type 1 |    |    |     |     |     |    |    |      |
|-------------|------------------------|----|----|-----|-----|-----|----|----|------|
|             | A                      | B  | P  | T   | U   | Z   | X  | ØD | Thk. |
| GPC015...   | 54                     | 34 | 30 | 70  | 55  | 35  | 18 | 7  | 2,0  |
| GPC038...   | 90                     | 50 | 45 | 85  | 70  | 65  | 45 | 7  | 2,0  |
| GPC069...   | 120                    | 65 | 60 | 110 | 90  | 80  | 60 | 9  | 2,0  |
| GPC140...   | 180                    | 85 | 80 | 130 | 110 | 120 | 90 | 9  | 2,0  |

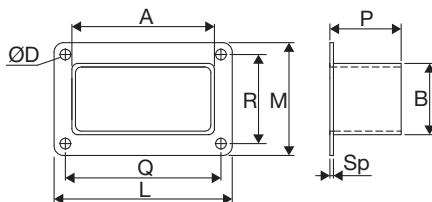
### FRONTAL FLANGES TYPE F2



#### DIMENSIONS and CHARACTERISTICS

| Part number | Frontal flanges type 2 |    |    |     |     |    |    |      |
|-------------|------------------------|----|----|-----|-----|----|----|------|
|             | A                      | B  | P  | T   | U   | Z  | ØD | Thk. |
| GPC015...   | 54                     | 34 | 30 | 90  | 75  | 15 | 7  | 2,0  |
| GPC038...   | 90                     | 50 | 45 | 120 | 105 | 30 | 7  | 2,0  |
| GPC069...   | 120                    | 65 | 60 | 160 | 140 | 35 | 9  | 2,0  |
| GPC140...   | 180                    | 85 | 80 | 220 | 200 | 40 | 9  | 2,0  |

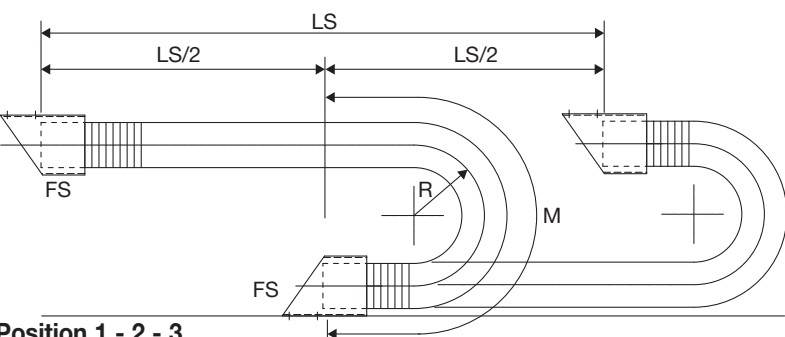
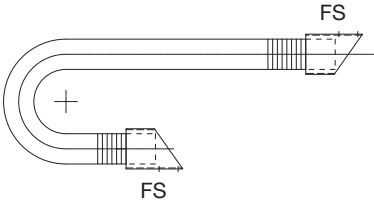
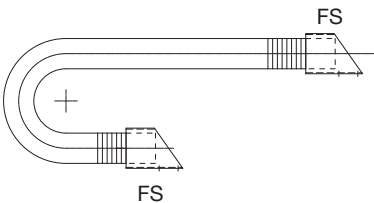
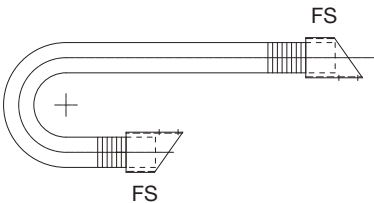
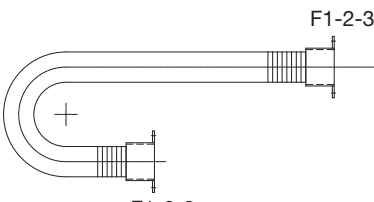
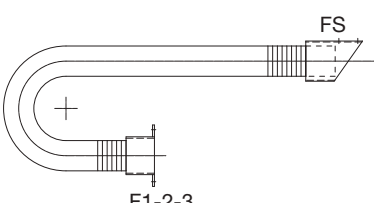
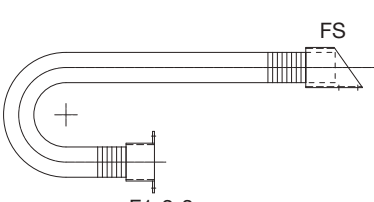
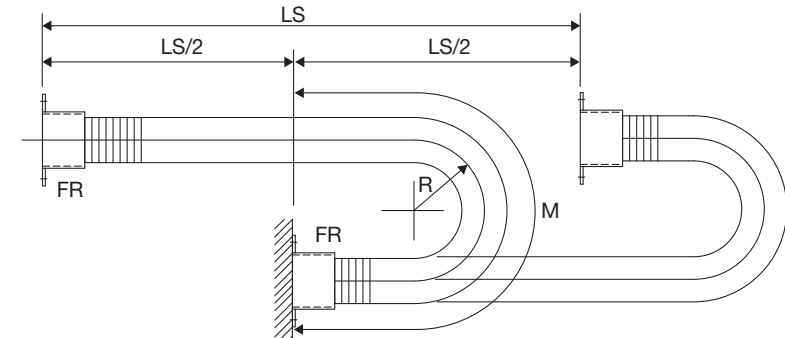
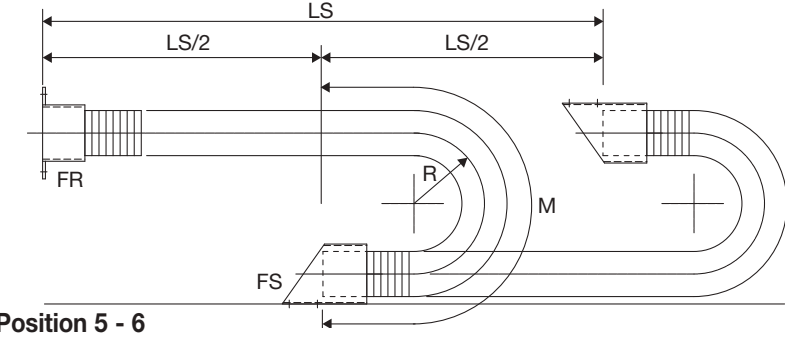
### FRONTAL FLANGES TYPE F3

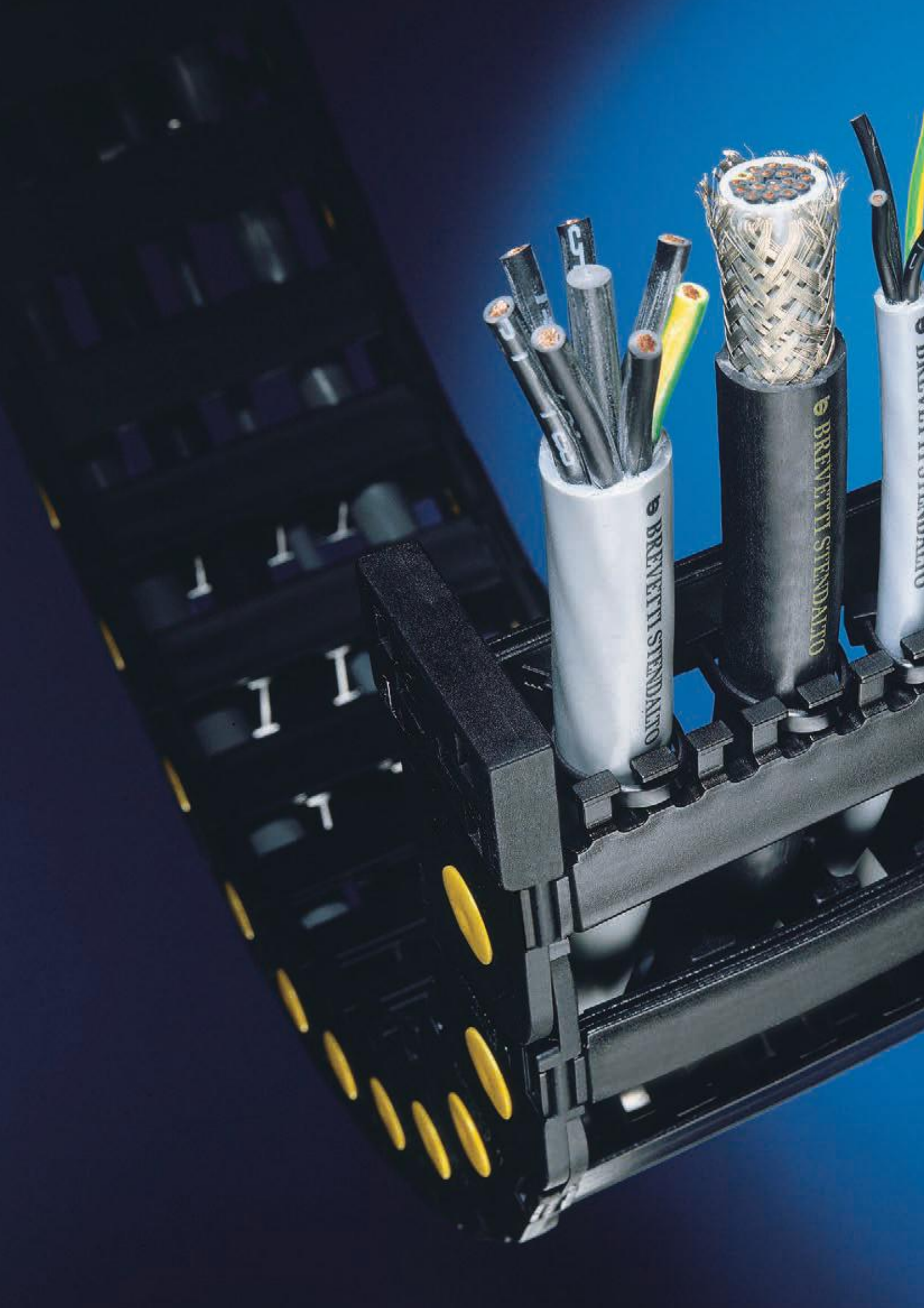


#### DIMENSIONS and CHARACTERISTICS

| Part number | Frontal flanges type 3 |     |     |     |    |     |     |     |      |
|-------------|------------------------|-----|-----|-----|----|-----|-----|-----|------|
|             | A                      | B   | L   | M   | ØD | P   | Q   | R   | Thk. |
| GPC015...   | 54                     | 34  | 85  | 65  | 7  | 30  | 70  | 50  | 2    |
| GPC025...   | 54                     | 54  | 85  | 85  | 7  | 30  | 70  | 70  | 2    |
| GPC038...   | 90                     | 50  | 120 | 80  | 7  | 45  | 105 | 65  | 2    |
| GPC042...   | 70                     | 70  | 100 | 100 | 7  | 45  | 105 | 85  | 2    |
| GPC051...   | 90                     | 65  | 120 | 95  | 7  | 45  | 105 | 80  | 2    |
| GPC069...   | 120                    | 65  | 150 | 95  | 9  | 60  | 135 | 80  | 2    |
| GPC092...   | 120                    | 85  | 150 | 115 | 9  | 60  | 135 | 100 | 2    |
| GPC126...   | 145                    | 95  | 175 | 125 | 9  | 60  | 160 | 110 | 2    |
| GPC140...   | 180                    | 85  | 210 | 115 | 9  | 80  | 195 | 100 | 2    |
| GPC154...   | 145                    | 115 | 175 | 145 | 9  | 80  | 160 | 130 | 2    |
| GPC193...   | 180                    | 115 | 210 | 145 | 9  | 80  | 195 | 130 | 2    |
| GPC242...   | 225                    | 115 | 255 | 145 | 9  | 100 | 240 | 130 | 2    |

# Steel Cable Conduit

| Determining conduit length                                                                                                                                                                                                                                                                                                                                                | Flanges and mounting versions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
|  <p><b>Position 1 - 2 - 3</b></p>                                                                                                                                                                                                                                                        | <p><b>Position 1</b></p>  <p><b>Position 2</b></p>  <p><b>Position 3</b></p>  <p><b>Position 4</b></p>  <p><b>Position 5</b></p>  <p><b>Position 6</b></p>  |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
|  <p><b>Position 4</b></p>                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
|  <p><b>Position 5 - 6</b></p>                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| <p>Conduits can be supplied up to a maximum length of 5 m.<br/>If the unsupported length (LS/2) is more than 2.5 m, it is necessary to use support rollers.</p>                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| <p><b>Conduit length</b><br/><math>L = LS/2 + M</math></p> <table> <tr> <th>Bend radius</th><th>M</th></tr> <tr> <td>70</td><td>290</td></tr> <tr> <td>100</td><td>414</td></tr> <tr> <td>120</td><td>497</td></tr> <tr> <td>130</td><td>538</td></tr> <tr> <td>170</td><td>704</td></tr> <tr> <td>180</td><td>745</td></tr> <tr> <td>250</td><td>1035</td></tr> </table> | Bend radius                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | M | 70 | 290 | 100 | 414 | 120 | 497 | 130 | 538 | 170 | 704 | 180 | 745 | 250 | 1035 |  |
| Bend radius                                                                                                                                                                                                                                                                                                                                                               | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| 70                                                                                                                                                                                                                                                                                                                                                                        | 290                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| 100                                                                                                                                                                                                                                                                                                                                                                       | 414                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| 120                                                                                                                                                                                                                                                                                                                                                                       | 497                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| 130                                                                                                                                                                                                                                                                                                                                                                       | 538                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| 170                                                                                                                                                                                                                                                                                                                                                                       | 704                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| 180                                                                                                                                                                                                                                                                                                                                                                       | 745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |
| 250                                                                                                                                                                                                                                                                                                                                                                       | 1035                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |    |     |     |     |     |     |     |     |     |     |     |     |     |      |  |





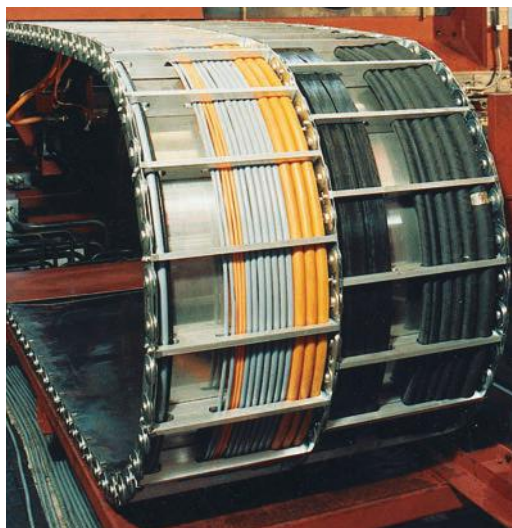
# Flexible Cables for Cable Chains

## Characteristics

Brevetti Stendalto, aware of the continuous development of the high technology production processes, offers a number of flexible and high flexible cables, constructed according to the most recent technologies. These high flexible cables enable a continuous operation for multi-shift-work under conditions of extreme bending stress<sup>(1)</sup>, for example industrial robots, machine tools and for the working of wood, automation systems etc.

The protection control according to the DIN VDE rules, gives a certificate showing the high standard of quality of the Brevetti Stendalto cables.

The wide choice of products composed of different types of cables, allows us to answer to the growing demand from all parts of the technical department.



<sup>(1)</sup> The Brevetti Stendalto cables have been tested with accelerations exceeding 20 m/s<sup>2</sup> and speed of 6 m/s.



# Flexible Cables

## Installation

For correct installation of cables in the cable chain, it is important to follow the guidelines listed below:

- 1- The cables have to be installed and unrolled from the drum carefully to avoid damage. It is therefore important to follow the indications in Fig.1. The coil should not be unrolled from the centre, but it should be placed on a support or on a turning plane and then be unrolled starting from the external ends.
- 2- Check the minimum allowed bending radius of the chosen cable and compare it with the bending radius of the chain. For a correct installation, the last mentioned should be larger compared to the bending radius of the cable.
- 3- There must be at least 10%-20% free space between the cable diameters and the internal dimensions of the chain. Install the cables/hoses symmetrically in the chain with the larger and heavier towards the outside and the smaller and lighter in the centre. Further, it is necessary to separate the cables using the separators, available for all the chains, or the split cross pieces with holes done in the appropriate sizes according to the external diameter of the cable.
- 4- The cables/hoses must be placed and installed in such a way so that they can move freely side ways during the movement of the chain and also so that in the bending curve they do not cause any tension or traction on the cable chain.
- 5- The cables/hoses must be installed and fixed using the appropriate accessories (see pages 226/227), at both extremities of the chain.
- 6- Verify the installation of the cables in the chains with Brevetti Stendalto's technical office or request a personalised project by filling in the appropriate module (page 229).

(Fig. 2) It is important, when having high velocities and accelerations, to avoid the superimposing of the cables. Avoid contact between the different cables and hoses internally in the chain.

Fig. 1

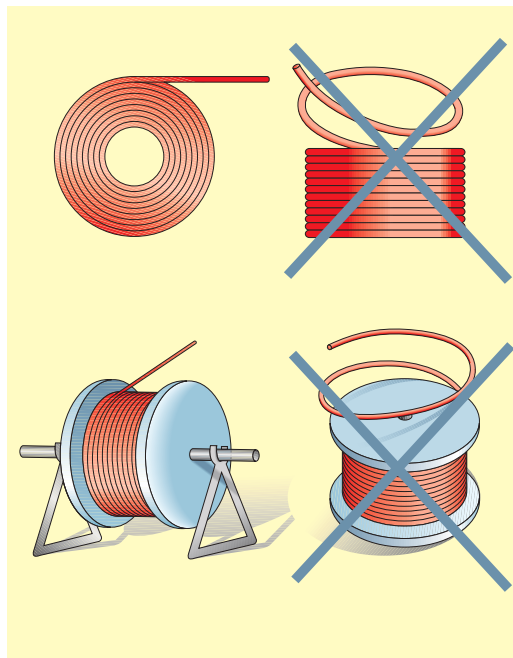
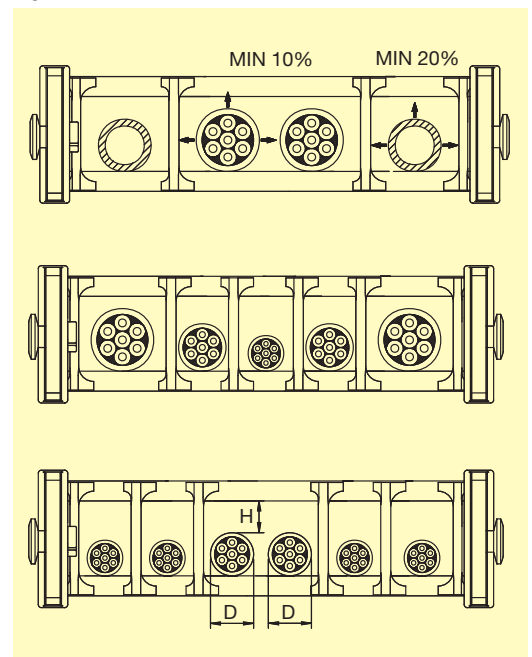
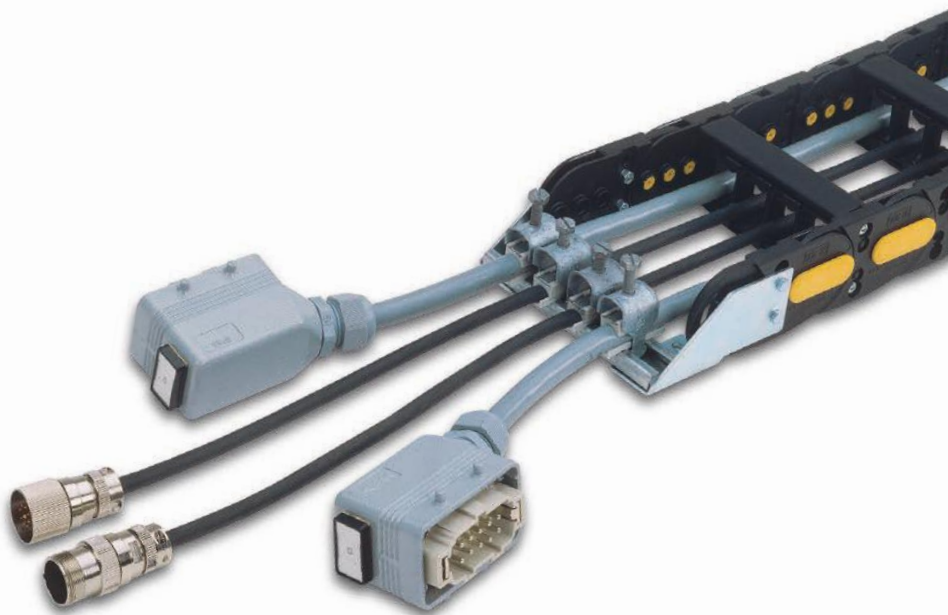


Fig. 2



## Ready to Install Chains with Electrical Cables

On request chain ready to be used with cables and plugs connected.  
Please contact our sales departments for further information.



## With Hydraulic Hoses

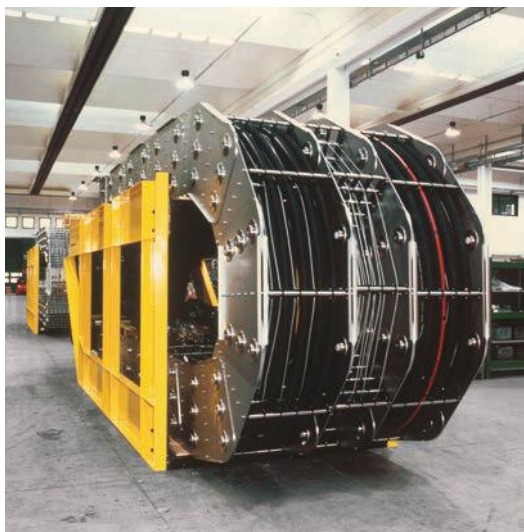
On request chain ready to be used with hydraulic hoses.  
Please contact our sales departments for further information.



## Custom-Built Packaging

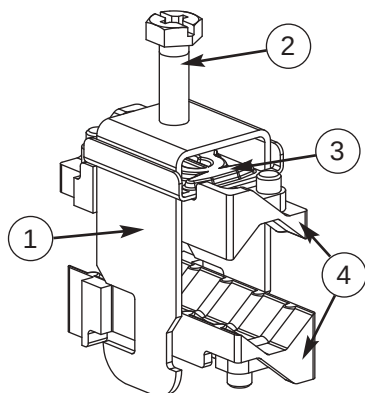
For very large chains, example offshore applications, harbour cranes, steel mills, Brevetti Stendalto offers on request custom-built

packaging, for save transport and facilitated assembling on-site.



# Stainless-steel cable clamps

In order to clamp cables at the end of the chain, Brevetti Stendalto offers a complete range of clamps in AISI 304 stainless steel. In combination with a specific mounting frame, clamps ensure proper management of cables.

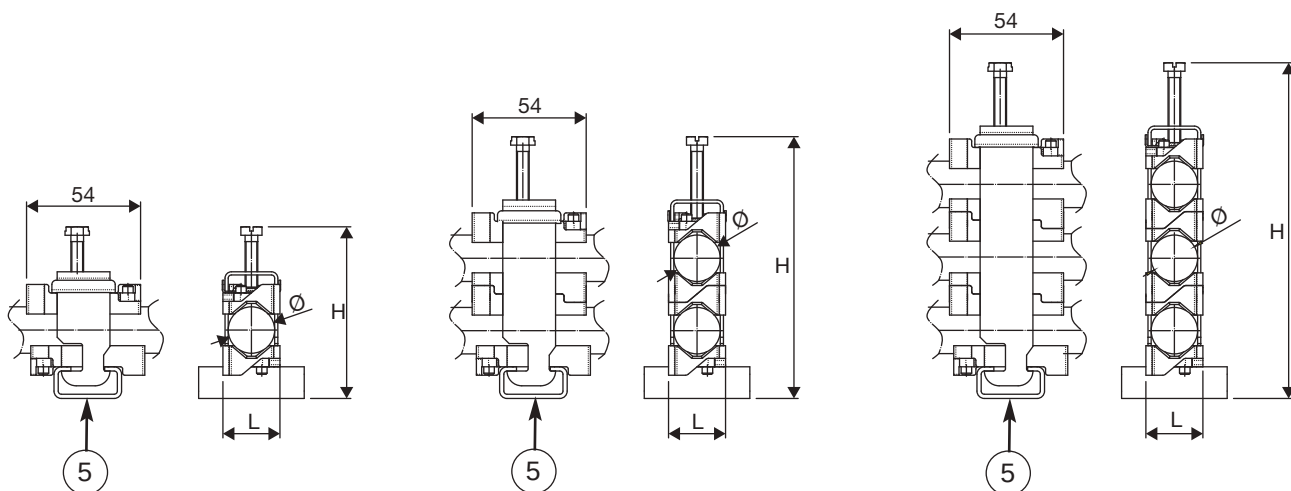


## FEATURES

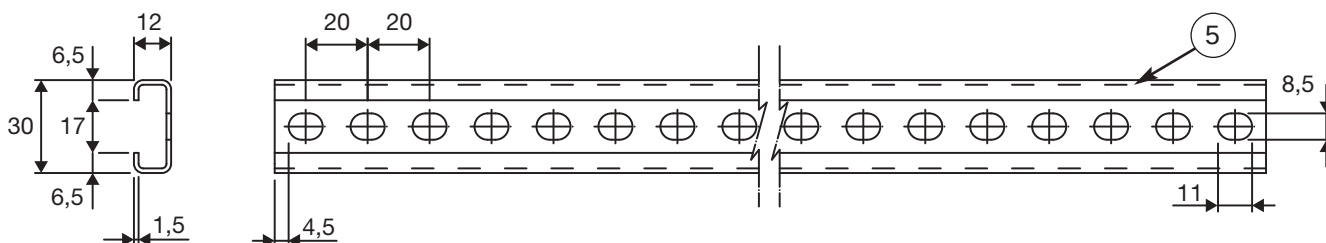
- 1) AISI 304 stainless steel housing.
- 2) Self-locking AISI 304 stainless steel screw, hexagonal head, for flat or cross-head screwdriver. Torque 1-2 Nm.
- 3) AISI 304 stainless steel pressure plate.
- 4) Saddles in polyamide compound.
- 5) Base profile in AISI 304 stainless steel.

## RESISTANCE TESTS

- 1) UV test according to BS-ISO 105-B06.
- 2) Vibration test according to UNI 60068-2-6.
- 3) Working temperature: from -30 °C to +120 °C.



## BASE PROFILE



### SINGLE CABLE CLAMPS AISI 304 STAINLESS STEEL

| PART No.  | DIAMETER<br>Ø (mm) | WIDTH<br>L (mm) | MAX. HEIGHT*<br>H (mm) |
|-----------|--------------------|-----------------|------------------------|
| 7000612XC | 06-12              | 18              | 65                     |
| 7001222XC | 12-22              | 28              | 81                     |
| 7002234XC | 22-34              | 42              | 93                     |
| 7003446XC | 34-46              | 58              | 115                    |
| 7004658XC | 46-58              | 70              | 130                    |
| 7005870XC | 58-70              | 82              | 143                    |
| 7007080XC | 70-80              | 92              | 158                    |



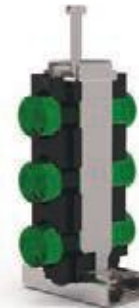
### DOUBLE CABLE CLAMPS AISI 304 STAINLESS STEEL

| PART No.  | DIAMETER<br>Ø (mm) | WIDTH<br>L (mm) | MAX. HEIGHT*<br>H (mm) |
|-----------|--------------------|-----------------|------------------------|
| 7020405XC | 04-05              | 18              | 97                     |
| 7020612XC | 06-12              | 18              | 103                    |
| 7021222XC | 12-22              | 28              | 125                    |
| 7022228XC | 22-28              | 42              | 135                    |
| 7022834XC | 28-34              | 42              | 148                    |



### TRIPLE CABLE CLAMPS AISI 304 STAINLESS STEEL

| PART No.  | DIAMETER<br>Ø (mm) | WIDTH<br>L (mm) | MAX. HEIGHT*<br>H (mm) |
|-----------|--------------------|-----------------|------------------------|
| 7030612XC | 06-12              | 18              | 128                    |
| 7031216XC | 12-16              | 28              | 137                    |
| 7031622XC | 12-22              | 28              | 160                    |
| 7032228XC | 22-28              | 42              | 173                    |
| 7032834XC | 28-34              | 42              | 195                    |



### BASE PROFILE AISI 304 STAINLESS STEEL

| PART No.        | LENGTH<br>L (mm) |
|-----------------|------------------|
| 7000002XL□□□□** | Customizable     |



\* Height H is calculated based on the biggest clampable diameter(s).

\*\* Complete the Part No. with the required length, in mm.

The required length must be multiple of 20 mm and included between 40 and 3000 mm.

Examples:

40 mm = 7000002XL□□4□

260 mm = 7000002XL□□26□

3000 mm = 7000002XL3000□□□



**Order Form**

|                                                                                                     |                                                                        |
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| Date                                                                                                | <b>Fax: +39 039 834250</b><br><b>e-mail sales@brevettistendalto.it</b> |
| To:<br><br><b>Brevetti Stendalto S.p.a.</b><br><b>viale Stucchi 66/8</b><br><b>20900 Monza (MB)</b> | Sender:                                                                |

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| Order no.: | Page _____ of Page _____ |
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| item no. | Part number | Description | Unit | Q.ty | Price/<br>unit |
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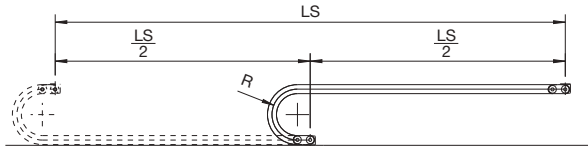
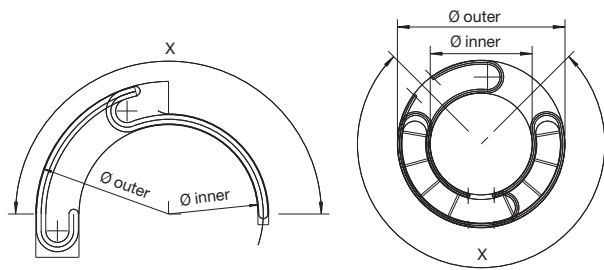
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| <div>Delivery time: _____</div> | <div>Signature/stamp</div> <div>_____</div> |
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Please copy this page and send it fax to: +39 039 834250 or e-mail to: sales@brevettistendalto.it



## Enquiry Form

|                                                                                                     |                                                                                                                         |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Date                                                                                                | <b>Fax:</b> +39 039 834250<br><b>e-mail:</b> <a href="mailto:tekno@brevettistendalto.it">tekno@brevettistendalto.it</a> |
| To:<br><br><b>Brevetti Stendalto S.p.a.</b><br><b>viale Stucchi 66/8</b><br><b>20900 Monza (MB)</b> | Sender:                                                                                                                 |

|  <p> <input type="checkbox"/> Horizontal movement    <input type="checkbox"/> Vertical movement         </p> <p>           Travel distance (LS) _____ mm<br/>           Bending radius (R) _____ mm<br/>           Speed _____ m/s<br/>           Acceleration _____ m/s<sup>2</sup><br/>           Travel frequency _____ Mov./h _____ day/year<br/>           Environment _____<br/>               Humidity _____<br/>               Temperature _____<br/>               Installation in/outside _____<br/>               Clean/dirty _____         </p> <p>Remarks: _____</p> <p>Suggested chain _____</p> <p style="text-align: center;"><b>CABLES/HOSES</b></p> <table border="1"> <thead> <tr> <th>N°</th> <th>outer diameter</th> <th>weight per meter</th> <th>min. bending radius</th> </tr> </thead> <tbody> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> </tbody> </table> <p> <input type="checkbox"/> Request for quotation    <input type="checkbox"/> Request for technical drawing         </p> | N°             | outer diameter   | weight per meter    | min. bending radius |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  <p> <input type="checkbox"/> circular movement with 1 chain    <input type="checkbox"/> circular movement with 2 chains         </p> <p>           Rotation _____ degrees<br/>           Inner Ø _____ mm<br/>           Outer Ø _____ mm<br/>           Movable point <input type="checkbox"/> Inner Ø    <input type="checkbox"/> Outer Ø<br/>           Movement with <input type="checkbox"/> housing    <input type="checkbox"/> towing arm         </p> <p>           Speed _____ m/s<br/>           Acceleration _____ m/s<sup>2</sup><br/>           Travel frequency _____ Mov./h _____ day/year<br/>           Environment _____<br/>               Humidity _____<br/>               Temperature _____<br/>               Installation in/outside _____<br/>               Clean/dirty _____         </p> <p>Remarks _____</p> <p>Suggested chain _____</p> <p style="text-align: center;"><b>CABLES/HOSES</b></p> <table border="1"> <thead> <tr> <th>N°</th> <th>outer diameter</th> <th>weight per meter</th> <th>min. bending radius</th> </tr> </thead> <tbody> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> <tr><td> </td><td>mm</td><td>Kg/m</td><td>mm</td></tr> </tbody> </table> | N° | outer diameter | weight per meter | min. bending radius |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |  | mm | Kg/m | mm |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | mm             | Kg/m             | mm                  |                     |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                |                  |                     |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |  |    |      |    |
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| Overview of Products Range                                                                                     |     |            | Inner width                                                                       |       | Inner height                                                                      |       | External width                                                                     |       | External height                                                                     | Pitch                                                                               | Bending radius                                                                      |       |
|----------------------------------------------------------------------------------------------------------------|-----|------------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                                                                                                                |     |            |  |       |  |       |  |       |  |  |  |       |
| page                                                                                                           |     |            | from mm                                                                           | to mm | from mm                                                                           | to mm | from mm                                                                            | to mm | mm                                                                                  | mm                                                                                  | from mm                                                                             | to mm |
| <b>Serie Silent</b><br>       | 38  | X36        | 30                                                                                | 140   | 36                                                                                | -     | 61                                                                                 | 171   | 56                                                                                  | 28                                                                                  | 60                                                                                  | 150   |
|                                                                                                                | 44  | 200        | 12                                                                                | 35    | 12                                                                                | -     | 18                                                                                 | 41    | 15                                                                                  | 17                                                                                  | 18                                                                                  | 40    |
| <b>Serie Light</b><br>        | 46  | 250L/LI/LE | 15                                                                                | 50    | 17                                                                                | -     | 26                                                                                 | 61    | 23                                                                                  | 29                                                                                  | 28                                                                                  | 100   |
|                                                                                                                | 48  | 325LI/LE   | 40                                                                                | 103   | 25                                                                                | -     | 57                                                                                 | 120   | 38                                                                                  | 45                                                                                  | 50                                                                                  | 150   |
|                                                                                                                | 50  | 325L       | 40                                                                                | 103   | 25                                                                                | -     | 57                                                                                 | 120   | 38                                                                                  | 45                                                                                  | 50                                                                                  | 150   |
|                                                                                                                | 52  | 335L/LI/LE | 40                                                                                | 150   | 35                                                                                | -     | 56,5                                                                               | 166,5 | 50                                                                                  | 52                                                                                  | 65                                                                                  | 200   |
|                                                                                                                | 54  | 339        | 40                                                                                | 76    | 39                                                                                | -     | 60                                                                                 | 96    | 50                                                                                  | 35                                                                                  | 50                                                                                  | 100   |
|                                                                                                                | 62  | 300A       | 15                                                                                | 75    | 18                                                                                | -     | 27                                                                                 | 87    | 23                                                                                  | 30                                                                                  | 40                                                                                  | 120   |
| <b>Serie Medium</b><br>       | 64  | 300        | 14                                                                                | 36    | 18                                                                                | -     | 30                                                                                 | 52    | 23                                                                                  | 30                                                                                  | 40                                                                                  | 120   |
|                                                                                                                | 66  | 305A       | 30                                                                                | 50    | 24                                                                                | -     | 54                                                                                 | 74    | 30                                                                                  | 35                                                                                  | 50                                                                                  | 150   |
|                                                                                                                | 68  | 305        | 30                                                                                | 50    | 23                                                                                | -     | 52                                                                                 | 72    | 30                                                                                  | 35                                                                                  | 50                                                                                  | 150   |
|                                                                                                                | 70  | 355A       | 45                                                                                | 95    | 31                                                                                | -     | 74                                                                                 | 124   | 43                                                                                  | 40                                                                                  | 75                                                                                  | 200   |
|                                                                                                                | 72  | 355        | 45                                                                                | 95    | 30                                                                                | -     | 74                                                                                 | 124   | 45                                                                                  | 40                                                                                  | 75                                                                                  | 200   |
|                                                                                                                | 74  | 400        | 40                                                                                | 60    | 25                                                                                | -     | 62                                                                                 | 82    | 35                                                                                  | 40                                                                                  | 50                                                                                  | 150   |
|                                                                                                                | 76  | 435MU      | 40                                                                                | 150   | 35                                                                                | -     | 60                                                                                 | 170   | 49                                                                                  | 50                                                                                  | 60                                                                                  | 200   |
|                                                                                                                | 78  | 445MU      | 50                                                                                | 362   | 45                                                                                | -     | 72                                                                                 | 384   | 64                                                                                  | 67                                                                                  | 75                                                                                  | 300   |
|                                                                                                                | 80  | 660A       | 50                                                                                | 362   | 37                                                                                | -     | 75                                                                                 | 387   | 55                                                                                  | 50                                                                                  | 100                                                                                 | 250   |
|                                                                                                                | 82  | 770A       | 45                                                                                | 357   | 60                                                                                | -     | 80                                                                                 | 392   | 78                                                                                  | 70                                                                                  | 150                                                                                 | 300   |
|                                                                                                                | 84  | 475MU      | 74                                                                                | 498   | 75,5                                                                              | -     | 112                                                                                | 536   | 100,5                                                                               | 105                                                                                 | 150                                                                                 | 400   |
|                                                                                                                | 90  | H45SC      | 75                                                                                | 400   | 45                                                                                | -     | 113                                                                                | 438   | 70                                                                                  | 75                                                                                  | 75                                                                                  | 300   |
| <b>Serie Heavy</b><br>        | 92  | H57SC      | 75                                                                                | 400   | 57                                                                                | -     | 113                                                                                | 438   | 85                                                                                  | 90                                                                                  | 150                                                                                 | 400   |
|                                                                                                                | 94  | H80SC      | 150                                                                               | 500   | 80,5                                                                              | -     | 205                                                                                | 555   | 114                                                                                 | 120                                                                                 | 200                                                                                 | 600   |
|                                                                                                                | 96  | H110       | 150                                                                               | 500   | 115                                                                               | -     | 205                                                                                | 555   | 155                                                                                 | 160                                                                                 | 200                                                                                 | 750   |
|                                                                                                                | 100 | 306        | 43                                                                                | 355   | 30                                                                                | 37    | 79                                                                                 | 391   | 55                                                                                  | 65                                                                                  | 75                                                                                  | 300   |
|                                                                                                                | 104 | 307        | 42                                                                                | 354   | 40                                                                                | 47    | 80                                                                                 | 392   | 64                                                                                  | 70                                                                                  | 75                                                                                  | 250   |
|                                                                                                                | 110 | 308        | 38                                                                                | 350   | 48                                                                                | 57    | 82                                                                                 | 394   | 75                                                                                  | 80                                                                                  | 150                                                                                 | 400   |
|                                                                                                                | 116 | 309        | 64                                                                                | 400   | 70                                                                                | 75,5  | 120                                                                                | 456   | 100                                                                                 | 100                                                                                 | 200                                                                                 | 500   |
|                                                                                                                | 122 | H57PC      | 75                                                                                | 400   | 53,5                                                                              | -     | 113                                                                                | 438   | 85                                                                                  | 90                                                                                  | 180                                                                                 | 400   |
|                                                                                                                | 122 | H57PN      | 150                                                                               | 250   | 57                                                                                | -     | 188                                                                                | 288   | 85                                                                                  | 90                                                                                  | 150                                                                                 | 400   |
|                                                                                                                | 124 | H80PC      | 150                                                                               | 500   | 77                                                                                | -     | 205                                                                                | 555   | 114                                                                                 | 120                                                                                 | 200                                                                                 | 600   |
| <b>Serie Protection</b><br> | 124 | H80PA      | 74                                                                                | 126   | 77                                                                                | -     | 129                                                                                | 181   | 114                                                                                 | 120                                                                                 | 200                                                                                 | 600   |
|                                                                                                                | 126 | H110PC     | 150                                                                               | 500   | 107                                                                               | -     | 205                                                                                | 555   | 155                                                                                 | 160                                                                                 | 250                                                                                 | 750   |
|                                                                                                                | 128 | 325PI      | 10                                                                                | 103   | 25                                                                                | -     | 57                                                                                 | 120   | 38                                                                                  | 45                                                                                  | 75                                                                                  | 150   |
|                                                                                                                | 130 | 335PS      | 40                                                                                | 150   | 35                                                                                | -     | 56,5                                                                               | 166,5 | 50                                                                                  | 52                                                                                  | 65                                                                                  | 200   |
|                                                                                                                | 132 | 435PU      | 40                                                                                | 150   | 35                                                                                | -     | 60                                                                                 | 170   | 48                                                                                  | 50                                                                                  | 75                                                                                  | 200   |
|                                                                                                                | 134 | 445PU      | 50                                                                                | 362   | 45                                                                                | -     | 72                                                                                 | 384   | 64                                                                                  | 67                                                                                  | 100                                                                                 | 300   |
|                                                                                                                | 136 | 445PS      | 61                                                                                | 125   | 45                                                                                | -     | 83                                                                                 | 147   | 64                                                                                  | 67                                                                                  | 100                                                                                 | 300   |
|                                                                                                                | 138 | 445AU      | 50                                                                                | 362   | 45                                                                                | -     | 72                                                                                 | 384   | 64                                                                                  | 67                                                                                  | 100                                                                                 | 300   |
|                                                                                                                | 140 | 475PU      | 74                                                                                | 374   | 75,5                                                                              | -     | 110                                                                                | 410   | 100,5                                                                               | 105                                                                                 | 180                                                                                 | 400   |
|                                                                                                                | 142 | 660        | 50                                                                                | 150   | 36                                                                                | -     | 79                                                                                 | 179   | 55                                                                                  | 50                                                                                  | 100                                                                                 | 250   |
|                                                                                                                | 144 | 770        | 85                                                                                | 250   | 51                                                                                | -     | 120                                                                                | 285   | 78                                                                                  | 70                                                                                  | 150                                                                                 | 300   |
|                                                                                                                | 146 | 306CU      | 43                                                                                | 355   | 37                                                                                | -     | 79                                                                                 | 391   | 55                                                                                  | 65                                                                                  | 107                                                                                 | 300   |
|                                                                                                                | 148 | 308CU      | 38                                                                                | 350   | 57                                                                                | -     | 82                                                                                 | 394   | 75                                                                                  | 80                                                                                  | 180                                                                                 | 400   |
|                                                                                                                | 150 | 309C       | 200                                                                               | 400   | 72                                                                                | -     | 256                                                                                | 456   | 100                                                                                 | 100                                                                                 | 200                                                                                 | 500   |
|                                                                                                                | 152 | 309CU      | 64                                                                                | 488   | 75,5                                                                              | -     | 120                                                                                | 544   | 100                                                                                 | 100                                                                                 | 200                                                                                 | 500   |
| <b>Serie Sliding</b><br>    | 156 | 326        | 61                                                                                | 373   | 30                                                                                | 37    | 89                                                                                 | 416   | 59                                                                                  | 65                                                                                  | 107                                                                                 | 300   |
|                                                                                                                | 160 | 328        | 61                                                                                | 373   | 48                                                                                | 57    | 116                                                                                | 428   | 79                                                                                  | 80                                                                                  | 150                                                                                 | 400   |
|                                                                                                                | 164 | 319        | 64                                                                                | 400   | 70                                                                                | 75,5  | 128                                                                                | 464   | 107                                                                                 | 100                                                                                 | 200                                                                                 | 500   |
|                                                                                                                | 168 | 329        | 64                                                                                | 488   | 75,5                                                                              | -     | 128                                                                                | 552   | 107                                                                                 | 100                                                                                 | 150                                                                                 | 600   |
|                                                                                                                | 174 | 478        | 74                                                                                | 498   | 75,5                                                                              | -     | 112                                                                                | 536   | 106,5                                                                               | 105                                                                                 | 150                                                                                 | 400   |
|                                                                                                                | 178 | 60PU       | 115                                                                               | 539   | 60,5                                                                              | -     | 165                                                                                | 589   | 90                                                                                  | 90                                                                                  | 150                                                                                 | 400   |
|                                                                                                                | 180 | 80PU       | 115                                                                               | 539   | 80,5                                                                              | -     | 195                                                                                | 619   | 117                                                                                 | 110                                                                                 | 200                                                                                 | 700   |
| <b>Serie Robot</b><br>      | 190 | MFC65100   | ØOD                                                                               | 63    | -                                                                                 | -     | ØOD                                                                                | 77    | -                                                                                   | 18,5                                                                                | 100                                                                                 | 100   |
|                                                                                                                | 206 | 495        | 45                                                                                | -     | 35                                                                                | -     | 69                                                                                 | -     | 45                                                                                  | -                                                                                   | 100                                                                                 | -     |
|                                                                                                                | 208 | 500        | 68,5                                                                              | -     | 30                                                                                | -     | 86,5                                                                               | -     | 43                                                                                  | -                                                                                   | 100                                                                                 | 150   |
|                                                                                                                | 210 | 510TN      | 88                                                                                | -     | 46                                                                                | -     | 132                                                                                | -     | 55-77                                                                               | -                                                                                   | 125                                                                                 | -     |
|                                                                                                                | 210 | 515TN      | 88                                                                                | -     | 46                                                                                | -     | 132                                                                                | -     | 55-77                                                                               | -                                                                                   | 175                                                                                 | -     |
|                                                                                                                | 212 | 545        | 62                                                                                | -     | 46                                                                                | -     | 123                                                                                | -     | 62                                                                                  | -                                                                                   | 100                                                                                 | -     |
|                                                                                                                | 214 | 599        | 210                                                                               | -     | 59                                                                                | -     | 272                                                                                | -     | 85                                                                                  | -                                                                                   | 220                                                                                 | -     |
|                                                                                                                | 220 | 20LT       | 79                                                                                | 304   | 32                                                                                | -     | 111                                                                                | 336   | 53                                                                                  | 75                                                                                  | 75                                                                                  | 305   |
| <b>Serie Steel</b><br>      | 222 | 20LC       | 79                                                                                | 304   | 32                                                                                | -     | 111                                                                                | 336   | 53                                                                                  | 75                                                                                  | 115                                                                                 | 305   |
|                                                                                                                | 224 | 30LT       | 106                                                                               | 506   | 52                                                                                | 58    | 140                                                                                | 540   | 74                                                                                  | 95                                                                                  | 150                                                                                 | 535   |
|                                                                                                                | 226 | 30LC       | 106                                                                               | 506   | 52                                                                                | -     | 140                                                                                | 540   | 74                                                                                  | 95                                                                                  | 150                                                                                 | 535   |
|                                                                                                                | 228 | 35LT       | 104                                                                               | 504   | 65                                                                                | 70    | 148                                                                                | 548   | 95                                                                                  | 125                                                                                 | 200                                                                                 | 600   |
|                                                                                                                | 230 | 35LC       | 104                                                                               | 504   | 65                                                                                | -     | 148                                                                                | 548   | 95                                                                                  | 125                                                                                 | 200                                                                                 | 600   |
|                                                                                                                | 232 | 40LT       | 150                                                                               | 500   | 112,5                                                                             | -     | 208                                                                                | 558   | 145                                                                                 | 180                                                                                 | 250                                                                                 | 850   |
|                                                                                                                | 234 | 40LC       | 150                                                                               | 500   | 104,5                                                                             | -     | 208                                                                                | 558   | 145                                                                                 | 180                                                                                 | 250                                                                                 | 850   |
|                                                                                                                | 236 | 42LT       | 150                                                                               | 500   | 138                                                                               | -     | 208                                                                                | 558   | 175                                                                                 | 180                                                                                 | 250                                                                                 | 850   |
|                                                                                                                | 238 | 45T        | 300                                                                               | 600   | 182                                                                               | 180   | 390                                                                                | 690   | 220                                                                                 | 250                                                                                 | 400                                                                                 | 1500  |

| Self supported length                                                             |      | Max. travel length                                                                | Snap open cover                                                                   |              | Enclosed design                                                                   | Vertical separator                                                                | Horizontal separator                                                              | Ver./horiz. separator                                                               | Drilled frame                                                                       | Diameter                                                                            |          |
|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
|  |      |  |  |              |  |  |  |  |  |  |          |
| max m                                                                             | kg   |                                                                                   | inner radius                                                                      | outer radius |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | inner mm                                                                            | outer mm |
|                                                                                   | 1,9  | 0,1                                                                               | -                                                                                 | •            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 0,9  | 0,1                                                                               | -                                                                                 | -            | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,3  | 0,1                                                                               | -                                                                                 | •            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,9  | 0,5                                                                               | o                                                                                 | •            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,9  | 0,5                                                                               | o                                                                                 | -            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,2  | 1                                                                                 | o                                                                                 | •            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,2  | 1                                                                                 | o                                                                                 | -            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,7  | 0,1                                                                               | -                                                                                 | •            | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,55 | 0,1                                                                               | o                                                                                 | -            | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,4  | 1                                                                                 | -                                                                                 | •            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,9  | 1                                                                                 | o                                                                                 | -            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,3  | 1                                                                                 | -                                                                                 | •            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,3  | 1                                                                                 | o                                                                                 | -            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,6  | 1                                                                                 | -                                                                                 | •            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,2  | 1                                                                                 | o                                                                                 | •            | -                                                                                 | o                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,7  | 1                                                                                 | o                                                                                 | •            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,45 | 1                                                                                 | o                                                                                 | •            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,8  | 1                                                                                 | o                                                                                 | •            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 4,75 | 1                                                                                 | o                                                                                 | •            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 3    | 1                                                                                 | o                                                                                 | •            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 5    | 1                                                                                 | -                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 6    | 1                                                                                 | -                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 8,5  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,1  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,9  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 4,95 | 1                                                                                 | -                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 6,5  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 4    | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 4    | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 4,2  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 4,2  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 6,5  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 1,7  | 0,5                                                                               | -                                                                                 | •            | -                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2    | 1                                                                                 | -                                                                                 | •            | -                                                                                 | -                                                                                 | o                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,1  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,35 | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,35 | 1                                                                                 | •                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,35 | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 4,45 | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,3  | 1                                                                                 | -                                                                                 | •            | -                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 3,45 | 1                                                                                 | -                                                                                 | •            | -                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 2,7  | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 4    | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 5,8  | 1                                                                                 | -                                                                                 | -            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | 6    | 1                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | -                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | •                                                                                 | •            | •                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | -                                                                                 | •            | •                                                                                 | •                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | -        |
|                                                                                   | -    | -                                                                                 | -                                                                                 | •            | -                                                                                 | -                                                                                 | -                                                                                 | -                                                                                   | -                                                                                   | 600                                                                                 | 755      |
|                                                                                   | -    | -                                                                                 | -                                                                                 | •            | -                                                                                 | -                                                                                 | o                                                                                 | -                                                                                   | -                                                                                   | 630                                                                                 | 830      |
|                                                                                   | -    | -                                                                                 | -                                                                                 | •            | -                                                                                 | -                                                                                 | •                                                                                 | -                                                                                   | -                                                                                   | 940                                                                                 | 1220     |
|                                                                                   | -    | -                                                                                 | -                                                                                 | •            | -                                                                                 | -                                                                                 | •                                                                                 | -                                                                                   | -                                                                                   | 1060                                                                                | 1340     |
|                                                                                   | -    | -                                                                                 | -                                                                                 | •            | -                                                                                 | -                                                                                 | •                                                                                 | o                                                                                   | o                                                                                   | 485                                                                                 | 760      |
|                                                                                   | -    | -                                                                                 | -                                                                                 | •            | •                                                                                 | -                                                                                 | •                                                                                 | o                                                                                   | o                                                                                   | 1400                                                                                | 2000     |
|                                                                                   | 3,9  | 1                                                                                 | o                                                                                 | -            | -                                                                                 | o                                                                                 | •                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 4,2  | 1                                                                                 | o                                                                                 | -            | -                                                                                 | o                                                                                 | •                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 5,5  | 1                                                                                 | -                                                                                 | -            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | •                                                                                   | -                                                                                   | -        |
|                                                                                   | 5    | 1                                                                                 | -                                                                                 | -            | -                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 7,25 | 1                                                                                 | -                                                                                 | -            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | •                                                                                   | -        |
|                                                                                   | 7    | 1                                                                                 | -                                                                                 | -            | -                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 12,9 | 1                                                                                 | o                                                                                 | -            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | •                                                                                   | -        |
|                                                                                   | 11,8 | 1                                                                                 | o                                                                                 | -            | -                                                                                 | •                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 12   | 1                                                                                 | o                                                                                 | -            | -                                                                                 | -                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | -                                                                                   | -        |
|                                                                                   | 13   | 1                                                                                 | -                                                                                 | -            | -                                                                                 | o                                                                                 | o                                                                                 | o                                                                                   | o                                                                                   | •                                                                                   | -        |







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