

Power Chains



Manufactured by **Brevetti Stendalto**

Power Chains

Who we are

Cavotec is a multi-national group of companies serving the following industries: mining and tunnelling, ports and maritime, steel and aluminium, energy and offshore, airports, general industry and automation. In the early 1960's our main focus was the design and production of motorised cable reels primarily for manufacturers of tower cranes, harbour cranes and mining equipment. Today, Cavotec is connecting mobile equipment around the world in many diverse applications.

Where we are

The Cavotec Group consists of 7 manufacturing "Centres of Excellence" located in Canada, France, Germany, Italy, Norway and Sweden and by 5 local manufacturing units located in Australia, China, Germany and the USA. For the distribution of products and providing support to customers Cavotec has 27 sales companies which, together with a network of distributors, serve more than 30 countries in five continents. The ultimate objective is to be perceived as "local everywhere".

How we work

Our aim is to work closely with our customers in order to build long-term partnerships. To achieve this aim we have created a working environment that attracts the best people, encourages them to stay and brings out their best qualities. By producing totally reliable systems and backing them with efficient service, we strive to create true customer satisfaction.



Brevetti Stendalto

Founded in 1976 in Italy, Brevetti Stendalto was the first company ever to produce cable chains made from nylon. The production of this revolutionary concept marked the beginning of the global introduction of this new system to protect cables and hoses. Today, the company is an acknowledged leader and one of the most important manufacturers of nylon and steel cable chains in Europe.

Through their longstanding partnership with the Cavotec Group, the company's products are also present in the ports and maritime sector where their specially designed Power Chains are the accepted method to protect cables and hoses in applications with long travel distances.

Thanks to their innovative design the Power Chains provide considerable efficiency and cost gains by allowing the application to move faster while fully protecting the cables and hoses inside. The chains allow for any type of combination of cables and are easy to maintain. Extensive endurance tests carried out by leading crane manufacturers and certification institutes have proven the reliability of the system even in the most extreme working conditions.

Cavotec Group Organisation

As shown here the Cavotec Group is organised to support its customers around the world through its manufacturing units and sales companies.

Each Cavotec manufacturing company, no matter where it is located, aims at being a market leader in its field by providing innovative and reliable products to Group customers.

Each Cavotec sales company, in the 27 countries where they operate, aims at better serving its local market following the Group philosophy "to be local everywhere".

Manufacturing network

Centres of Excellence

France

Cavotec RMS

Spring Driven Reels

Germany

Cavotec Alfo

Spring Driven Reels

Slipring Columns

Cavotec Fladung

Aircraft Support Systems

Security Systems

Italy

Cavotec Specimas

Motorized Cable Reels

Panzerbelt Cable Protection

Slipring Columns

Norway

Cavotec Micro-control

Radio Remote Controls

Sweden

Cavotec Connectors

Electrical Plugs & Sockets

New Zealand

Cavotec MoorMaster

Automated Mooring Systems

Local Manufacturing

Australia

Cavotec Australia

Motorized Cable Reels

China

Cavotec China

Product Assembly

Germany

Cavotec Micro-control

Radio Remote Controls

Sweden

Cavotec Sweden

Product Assembly

USA

Cavotec USA

Product Assembly

Group Partners

Belgium

Gantry

Crane Rail Systems

Italy

Brevetti Stendalto

Cable Chains

Prysmian (Pirelli)

Flexible Cables

Tratos Cavi

Flexible Cables

Sales network

Cavotec Sales Companies

Cavotec Australia

Cavotec Belgium*

Cavotec BeNeLux

Cavotec Brazil*

Cavotec Canada

Cavotec Chile

Cavotec China

Cavotec Denmark

Cavotec Finland

Cavotec France

Cavotec Germany

Cavotec Hong Kong

Cavotec India

Cavotec Italy

Cavotec Korea

Cavotec Latin America

Cavotec Mexico

Cavotec Middle East

Cavotec Norway

Cavotec Russia*

Cavotec Singapore

Cavotec South Africa

Cavotec Sweden

Cavotec Turkey

Cavotec UK & Ireland

Cavotec USA

* Branch Office

General Information

SELF-SUPPORTING CAPACITY

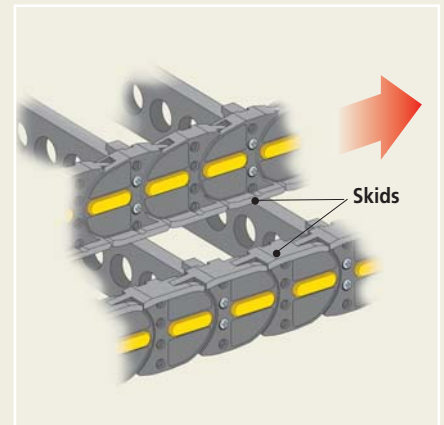
Cable chains are used more and more frequently on long travel distances as a valid alternative to the traditional systems of conductor bars or festoon systems, and offer the following advantages:

- The possibility of combined transportation of hydraulic cables and tubes.
- The ability to operate in critical environments (humidity, textile dust, negative chemical components etc.).
- High velocities and acceleration.
- Shorter installation times.
- Drastic reduction in maintenance time.

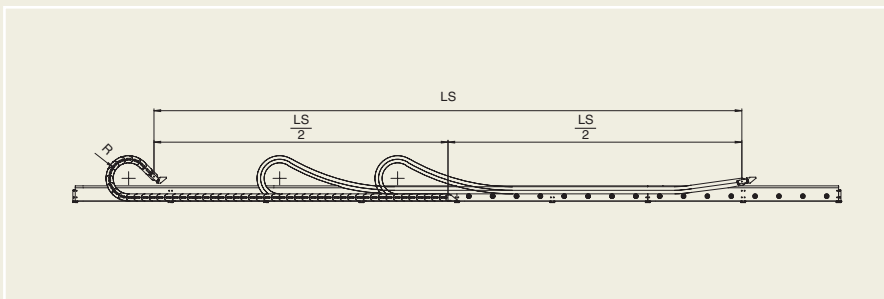
A special aspect of the cable chains in the Power Chain series is the integrated sliding skid which permits the chains to

slide on themselves. The resulting friction is reduced due to the special polymers used. The dimensions of the skid allow the chain to keep itself stable even in applications with high velocities.

On request it is possible to produce cable chains with special polyamides before operating in particularly aggressive environments. The triple pins guarantee more reliability and strength even in applications with high additional weight. The chains in the Power Chain series have been extensively tested through torsion, wear and tear tests and have passed the tensile yield stress with extremely good results.

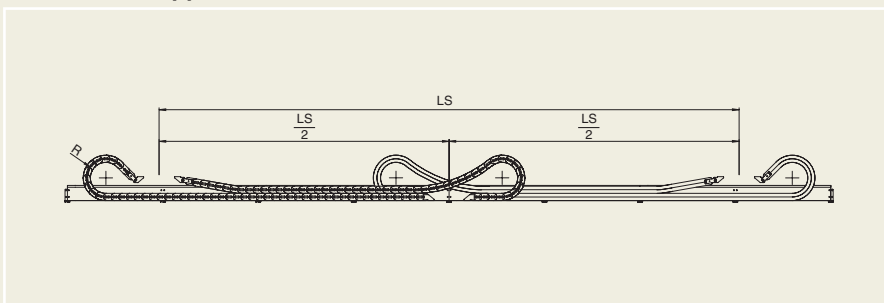


Single chain applications



As shown in the drawing on the left, a chain without self supporting capacity slides, for the first half of the travel distance, on its guide channels. For the second part the chain is supported by its own rollers or plates.

Double chain applications



As shown on the left, in double chain applications, the Power Chains slide on themselves in both directions.

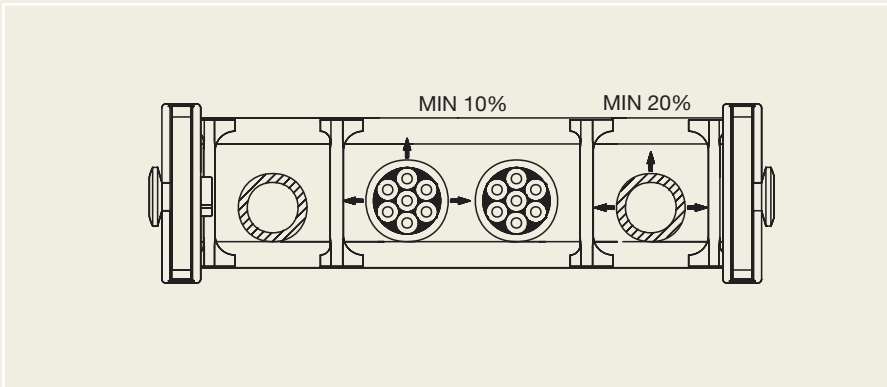


General Information

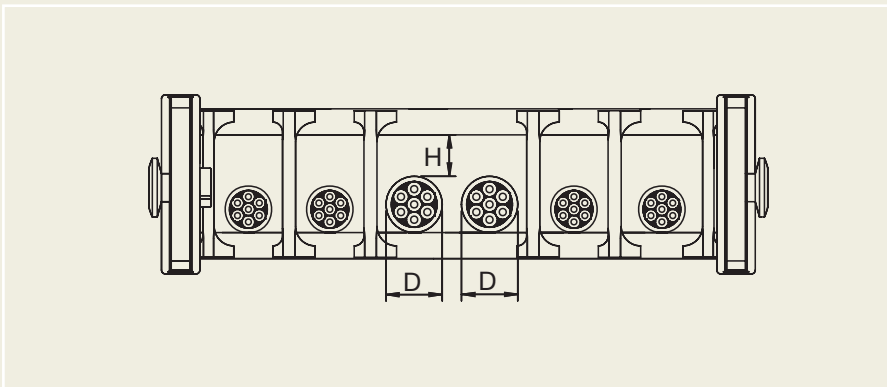
CABLE INSTALLATION

Great care should be taken when installing the cables and hoses into the cable chains. To avoid any damage to the cables and hoses and to ensure correct operation of the cable chains application please follow the guidelines set out in

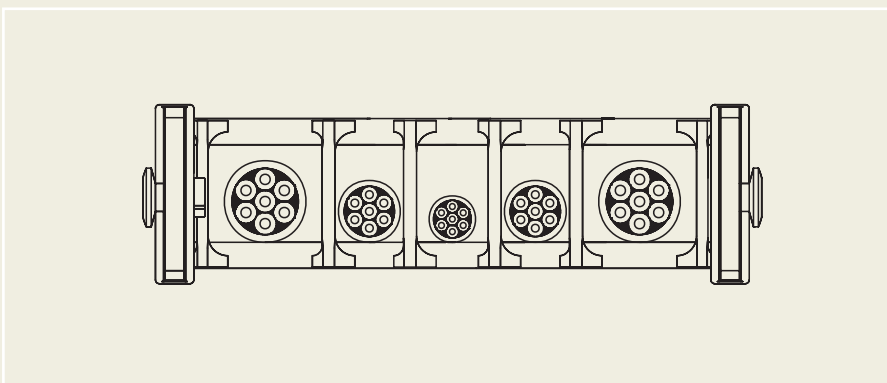
the examples below. For any questions or for more application specific information please contact your local Cavotec office.



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%.



When placing cables and hoses into the cable chain, take care to place them into the appropriate separated spaces. If this is not possible ensure that the cables do not rub together ($H < D$).



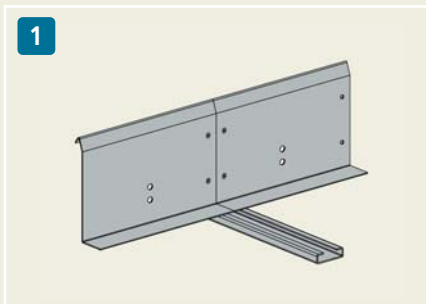
When placing cables and hoses into the cable chain, take care to place them into the appropriate separated spaces. If this is not possible ensure that the cables do not rub together ($H < D$).

INSTALLATION GUIDELINES

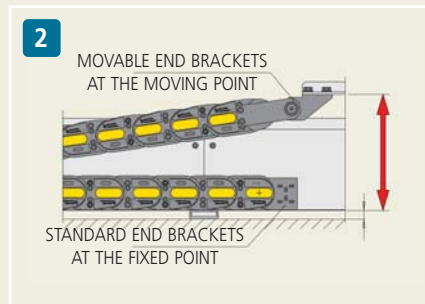
As most applications for Power Chains are used for long travel distances, it is very important to correctly install the cable chains into the supporting channel guide. To attain the best possible results when using Power Chains together with

the specially designed channel guide, please follow the installation instructions mentioned below.

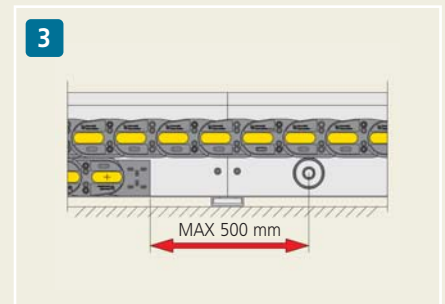
For more detailed information and support please contact your local Cavotec office.



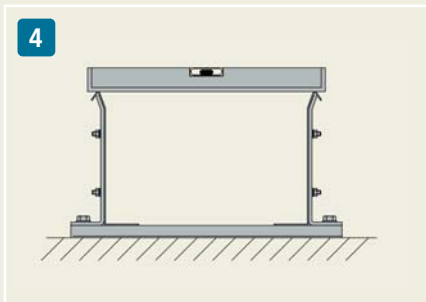
Verify that the sides are aligned properly to avoid any internal edges in the guide channel which could interfere the cable chain.



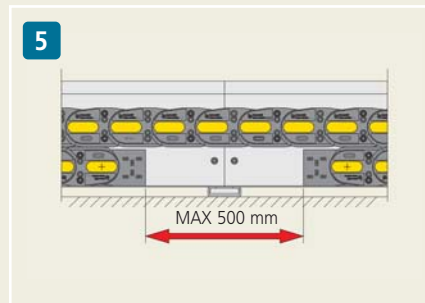
Install the cable chain with the standard end brackets at the fixed point and with the moveable end brackets at the moving point.



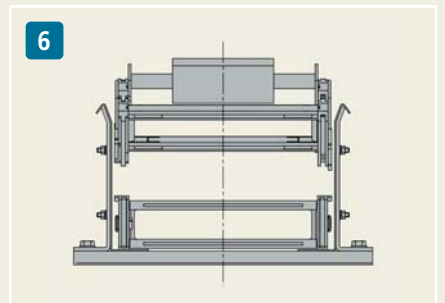
Reduce to a minimum the distance between the fixed point of the cable chain and the starting point of the rollers or sliding skid.



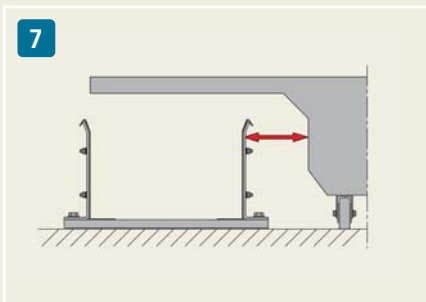
Verify that the plane on which the guide channel is mounted is perfectly aligned and smooth.



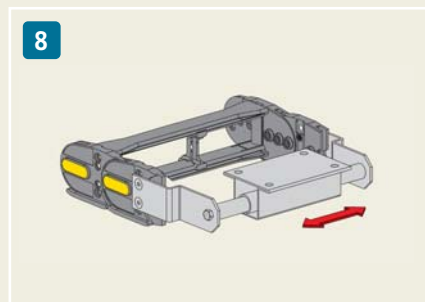
In the case of a double chain application ensure that the distance between the two fixed points does not exceed 500mm.



Install the mobile point of the cable chain making sure it does not touch the inside of the channel.



Verify that the distance between the guide channel and the towing arm is equal along the whole travelling distance.



To facilitate point 7, Brevetti Stendalto has developed and created a special movable end bracket which guarantees a perfect alignment.



Once installed the Power Chain is kept in perfect alignment by the end-bracket.

General Information

CUSTOMISED SOLUTIONS

Many applications require specific solutions to ensure a good performance. To enable customers to make the most of their equipment Brevetti Stendalto offers special customised solutions. Together with the customer a system is designed

which will provide the maximum performance in even the most challenging of operating environments. On the next few pages we show some of these customised solutions that are at work today around the world.



In action at a sugar plant. This nylon chain operates in a fully enclosed cover which prevents dust from entering the chain pathway. The passage of the towing arm is fully protected by brushes.



This 3-band nylon chain is working in an incineration plant. The full travel distance is 110 meters in a very dusty environment.



Increased protection against aggressive environment and dangerous particles that can hinder the correct movement of the chain. A guide channel is mounted on top of the chain acting as roof and guiding the bend radius while the chain is moving.



To obtain the best performance from cables, it is crucial that they are correctly guided into and out of the chain. Please contact us for skilled advice and customised solutions.

General Information

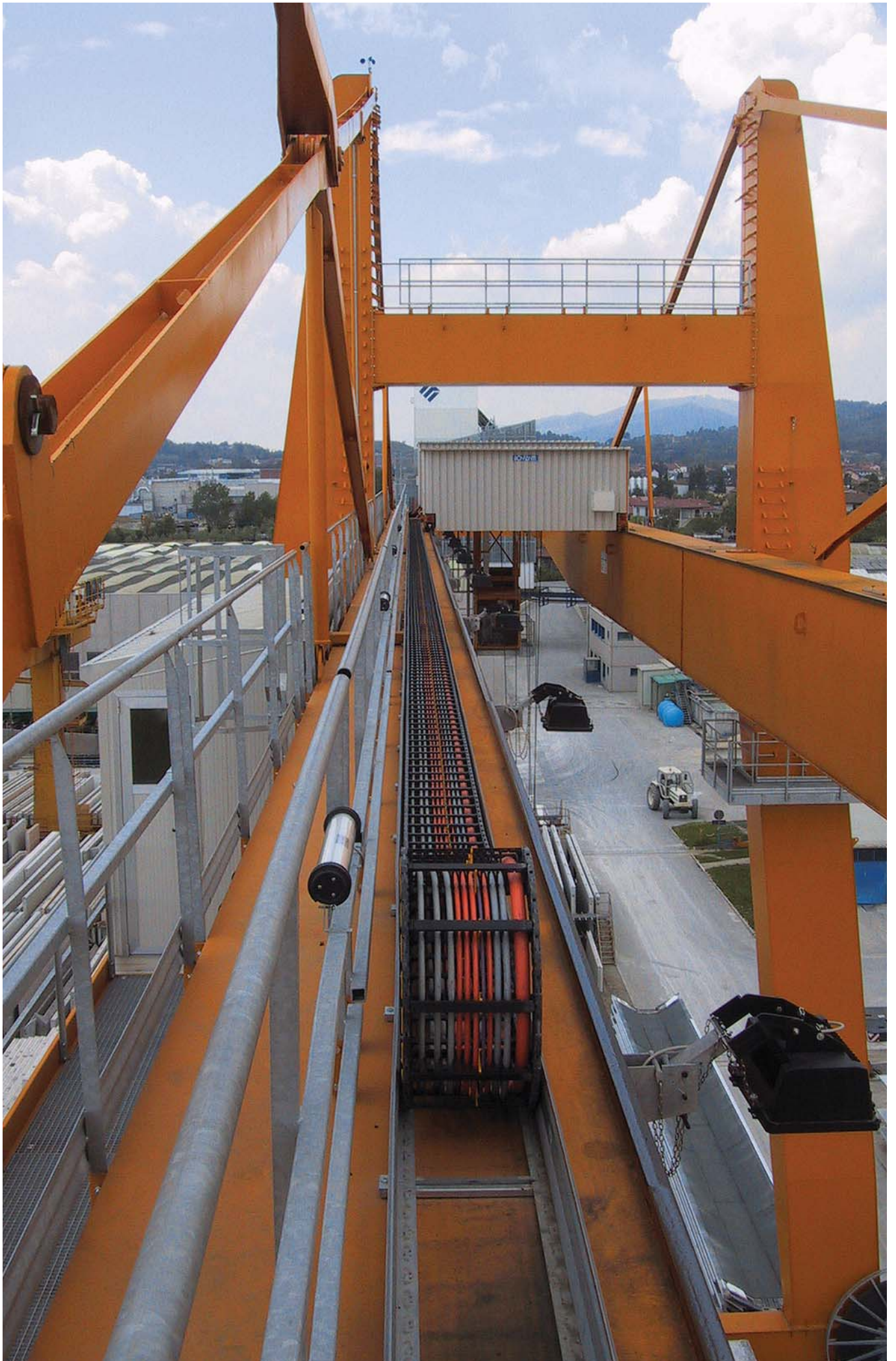
CUSTOMISED SOLUTIONS



Challenging performances: a 210 meter long travel distance at a full 100 meter high on a shipyard crane. A special 6-axi tow-arm is able to absorb misalignment longitudinally, transversally and circularly.



Chains on RTG cranes: long-lasting, quick, reliable and maintenance-free. Obtain the best from your chain system with tailor-made solutions for your own machine.



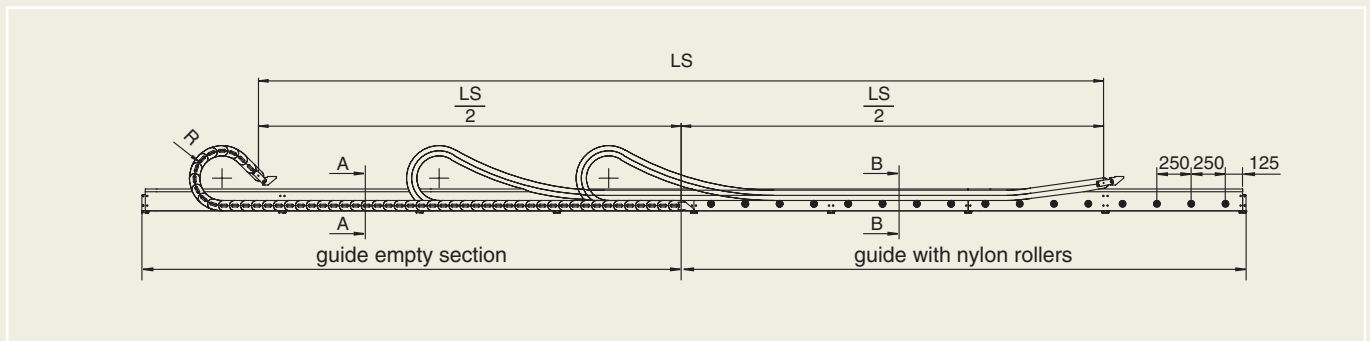
General Information

GUIDE CHANNELS

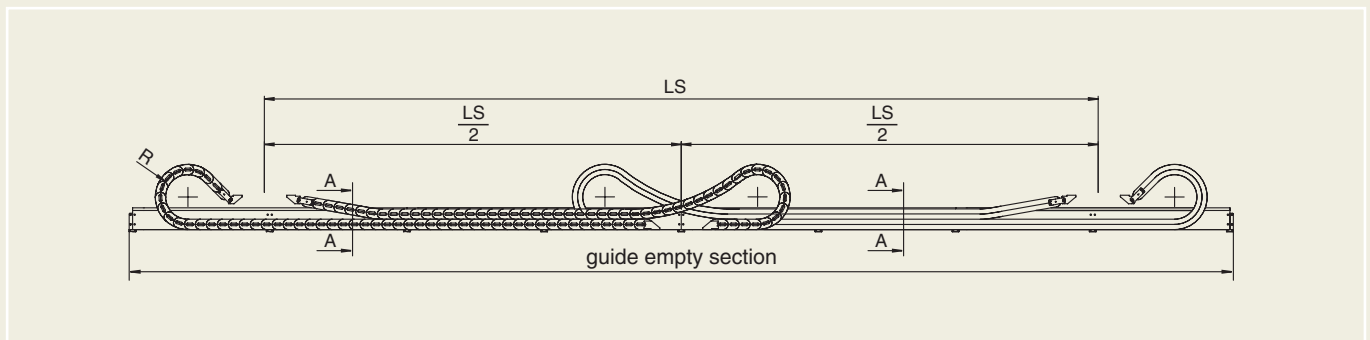
To ensure maximum support of the cable chain, special guide channels have been designed for applications with long travel distances. These guide channels are available in various sizes and configurations to suit any specific requirement.

All guide channels are available in galvanized or stainless steel. A single assembly kit consists of: side walls (standard length 2 meters), joining and support plates, screws, a channel base and a sliding device (a nylon wheel or a steel plastic plate).

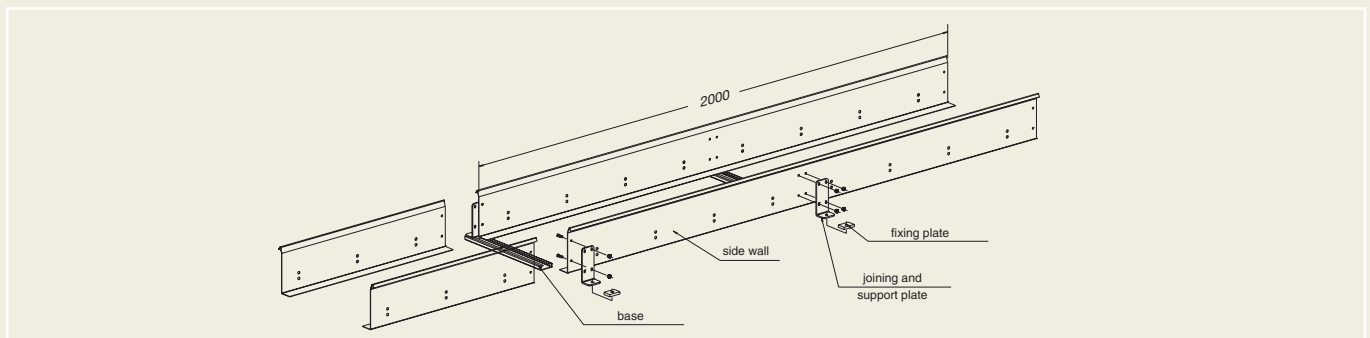
Single chain application



Double chain application



Guide channel assembly kit



GUIDE CHANNELS

Empty guide section

Section A/A

Part number

CS326...

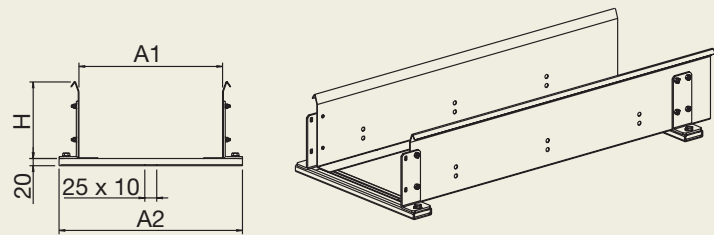
How to order

chain part number **SR326B100150**

guide channel part number **CS326B100**

SR326-SR328 H= mm 160

SR319 H= mm 250



Guide with nylon rollers

Section B/B

Part number

CR326...

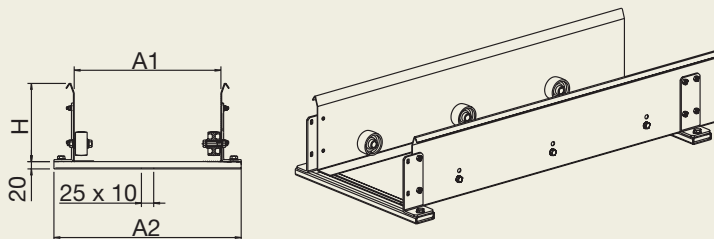
How to order

chain part number **SR326B100150**

guide channel part number **CR326B100**

SR326-SR328 H= mm 160

SR319 H= mm 250



Guide with steel sliding plate

Section B/B

Part number

CA319...

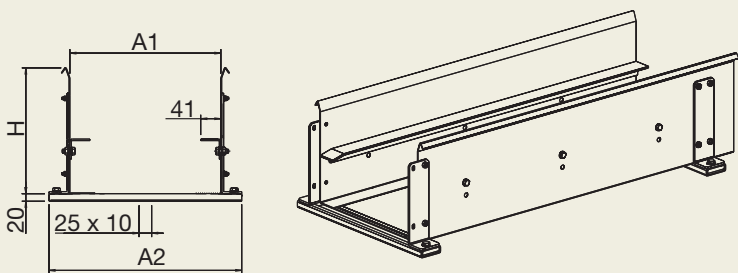
How to order

chain part number **SR319PSB100200**

guide channel part number **CA319B100**

SR326-SR328 H= mm 160

SR319 H= mm 250



Guide with plastic sliding plate

Section B/B

Part number

CP319...

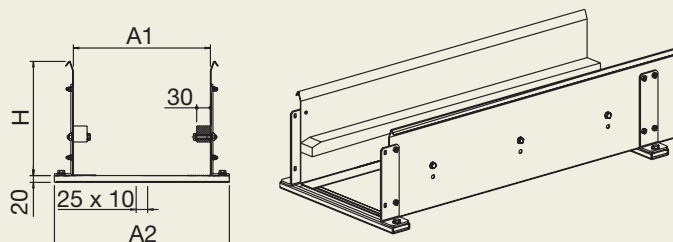
How to order

chain part number **SR319PSB100200**

guide channel part number **CP319B100**

SR326-SR328 H= mm 160

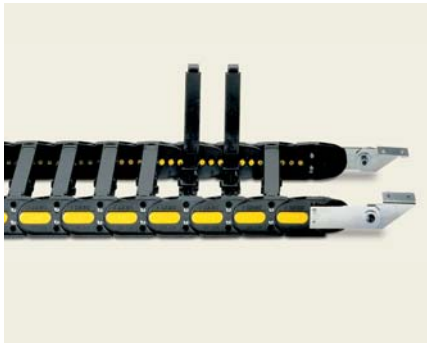
SR319 H= mm 250



Power Chains

SR326SI - SR326SE (37 mm)

NYLON CABLE CHAIN WITH OPENABLE FRAMES



This cable chain features a strong double sideband and frame construction with large anti-friction triple headed pins. It is fitted with large sliding surfaces which provide high durability even at high speeds or with heavy loads.

The frames can be opened from the inner radius (SI) and outer radius (SE). As standard the chain comes with frames fitted every second link but, on request, frames can be fitted every link. Modular separator systems are also available for this type of chain.

Technical characteristics

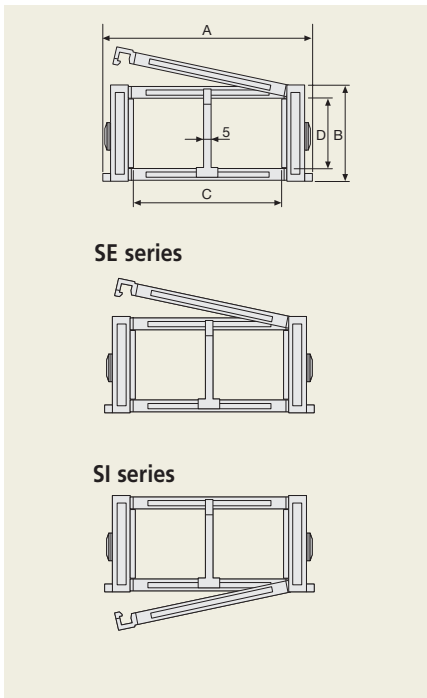
Speed: 2 m/s; acceleration: 4 m/s²

Please complete the **code** with the serial number and **radius** value (R)

e.g.: SR326 **S** **I** 118 **1** **5** **0**

Add additional information for chains with continuous covers

e.g.: SR326 **S** **I** 118 **1** **5** **0** **D**



A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain part number
106	59	61	37	107-150-200-250-300	1,33	SR326□□061□□□□
117	59	72	37	107-150-200-250-300	1,33	SR326□□072□□□□
131	59	86	37	107-150-200-250-300	1,40	SR326□□086□□□□
137	59	92	37	107-150-200-250-300	1,41	SR326□□092□□□□
151	59	106	37	107-150-200-250-300	1,46	SR326□□106□□□□
156	59	111	37	107-150-200-250-300	1,46	SR326□□111□□□□
163	59	118	37	107-150-200-250-300	1,48	SR326□□118□□□□
173	59	128	37	107-150-200-250-300	1,49	SR326□□128□□□□
181	59	136	37	107-150-200-250-300	1,54	SR326□□136□□□□
192	59	147	37	107-150-200-250-300	1,57	SR326□□147□□□□
206	59	161	37	107-150-200-250-300	1,61	SR326□□161□□□□
231	59	186	37	107-150-200-250-300	1,68	SR326□□186□□□□
256	59	211	37	107-150-200-250-300	1,75	SR326□□211□□□□
267	59	222	37	107-150-200-250-300	1,79	SR326□□222□□□□
281	59	236	37	107-150-200-250-300	1,83	SR326□□236□□□□
308	59	263	37	107-150-200-250-300	1,91	SR326□□263□□□□
317	59	272	37	107-150-200-250-300	1,93	SR326□□272□□□□
368	59	323	37	107-150-200-250-300	2,06	SR326□□323□□□□
390	59	345	37	107-150-200-250-300	2,10	SR326□□345□□□□
418	59	373	37	107-150-200-250-300	2,21	SR326□□373□□□□

Separator

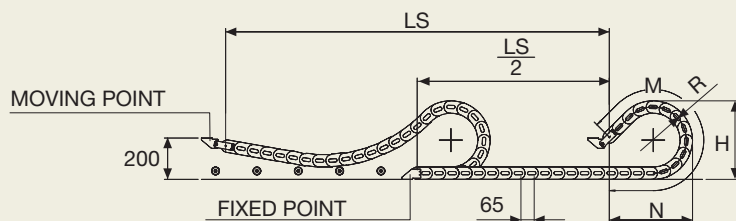
- unassembled: part.no S660A

- assembled: part.no S660AMC

Pin

part.no PG307

R mm	H mm	N mm	M mm
107	273	290	650
150	359	440	1025
200	459	610	1460
250	559	785	1900
300	659	955	2340



Length of chains (L), half travel distance ($\frac{LS}{2}$) plus length of curve (M) $L = \frac{LS}{2} + M$

Power Chains SR326B (30 mm)

NYLON CABLE CHAIN WITH ALUMINIUM RODS



This cable chain features a strong double sideband and frame construction with large anti-friction triple headed pins. It is fitted with large sliding surfaces which provide high durability even at high speeds or with heavy loads.

The chain is fitted with Alu-rod frames which can be unscrewed from both the inner and outer radius. As standard the chain comes with frames fitted every second link but, on request, frames can be fitted every link. Modular separator systems are also available for this type of chain.

Technical characteristics

Speed: 2 m/s; acceleration: 4 m/s²

Please complete the **code** with the serial number and **radius** value (R)

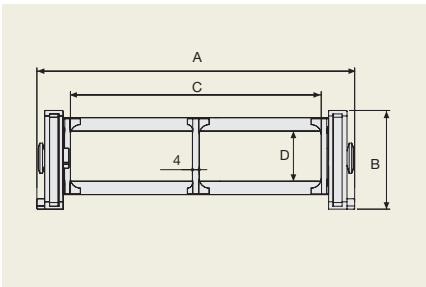
e.g.: SR326B100

Add additional information for chains with continuous Alu-rods

e.g.: SR326B100

Please complete the code by inserting the value of the quote C and the radius (R)

e.g.: SR326B



A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain part number
115	59	75	30	107-150-200-250-300	1,75	SR326B075□□□□
140	59	100	30	107-150-200-250-300	1,80	SR326B100□□□□
190	59	150	30	107-150-200-250-300	1,90	SR326B150□□□□
240	59	200	30	107-150-200-250-300	2,05	SR326B200□□□□
290	59	250	30	107-150-200-250-300	2,15	SR326B250□□□□
340	59	300	30	107-150-200-250-300	2,25	SR326B300□□□□
C+40	59	.....	30	107-150-200-250-300		SR326B□□□□□□

Separator

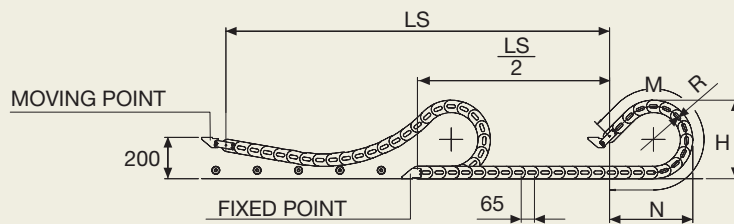
- unassembled: part.no S2000F

- assembled: part.no S2000FMC

Pin

part.no PG307

R mm	H mm	N mm	M mm
107	273	290	650
150	359	440	1025
200	459	610	1460
250	559	785	1900
300	659	950	2340

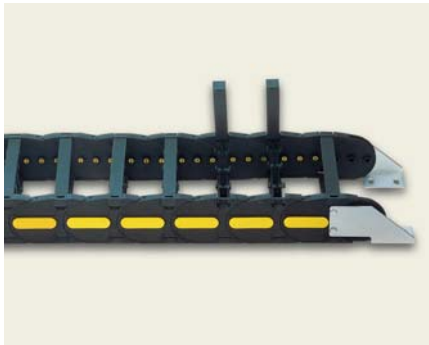


Length of chains (L), half travel distance ($\frac{LS}{2}$) plus length of curve (M) $L = \frac{LS}{2} + M$

Power Chains

SR328SI - SR328SE (57 mm)

NYLON CABLE CHAIN WITH OPENABLE FRAMES



This cable chain features a strong double sideband and frame construction with large anti-friction triple headed pins. It is fitted with large sliding surfaces which provide high durability even at high speeds or with heavy loads.

The frames can be opened from the inner radius (SI) and outer radius (SE). As standard the chain comes with frames fitted every second link but, on request, frames can be fitted every link. Modular separator systems are also available for this type of chain.

Technical characteristics

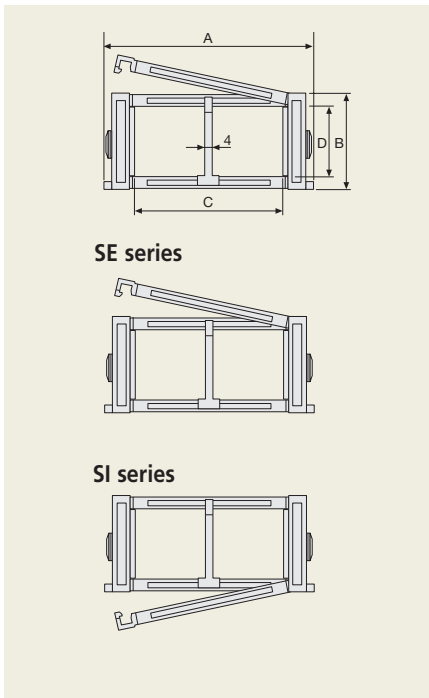
Speed: 3,5 m/s; acceleration: 8 m/s²

Please complete the **code** with the serial number and **radius** value (R)

e.g.: SR328 **S** **I** 118 **1** **5** **0**

Add additional information for chains with continuous covers

e.g.: SR328 **S** **I** 118 **1** **5** **0** **D**



A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain part number
119	79	61	57	150-180-200-230-280-400	1,91	SR328□□061□□□□□
130	79	72	57	150-180-200-230-280-400	1,91	SR328□□072□□□□□
144	79	86	57	150-180-200-230-280-400	1,96	SR328□□086□□□□□
150	79	92	57	150-180-200-230-280-400	1,98	SR328□□092□□□□□
164	79	106	57	150-180-200-230-280-400	2,01	SR328□□106□□□□□
169	79	111	57	150-180-200-230-280-400	2,01	SR328□□111□□□□□
176	79	118	57	150-180-200-230-280-400	2,03	SR328□□118□□□□□
186	79	128	57	150-180-200-230-280-400	2,04	SR328□□128□□□□□
194	79	136	57	150-180-200-230-280-400	2,08	SR328□□136□□□□□
205	79	147	57	150-180-200-230-280-400	2,11	SR328□□147□□□□□
219	79	161	57	150-180-200-230-280-400	2,13	SR328□□161□□□□□
244	79	186	57	150-180-200-230-280-400	2,19	SR328□□186□□□□□
269	79	211	57	150-180-200-230-280-400	2,25	SR328□□211□□□□□
280	79	222	57	150-180-200-230-280-400	2,28	SR328□□222□□□□□
294	79	236	57	150-180-200-230-280-400	2,31	SR328□□236□□□□□
321	79	263	57	150-180-200-230-280-400	2,38	SR328□□263□□□□□
330	79	272	57	150-180-200-230-280-400	2,40	SR328□□272□□□□□
381	79	323	57	150-180-200-230-280-400	2,50	SR328□□323□□□□□
403	79	345	57	150-180-200-230-280-400	2,55	SR328□□345□□□□□
431	79	373	57	150-180-200-230-280-400	2,62	SR328□□373□□□□□

Separator

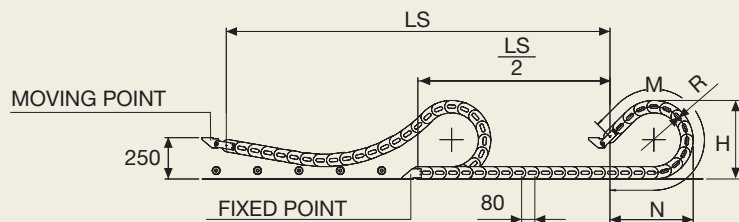
- unassembled: part.no S308C

- assembled: part.no S308CMC

Pin

part.no PG328TP

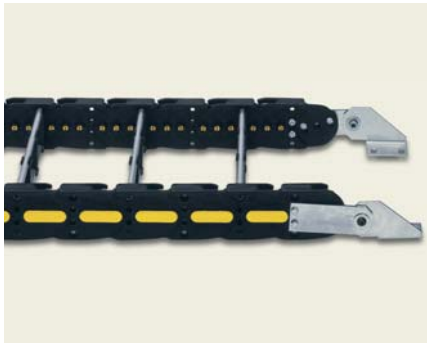
R mm	H mm	N mm	M mm
150	375	425	955
180	435	530	1220
200	475	600	1395
230	535	700	1655
280	635	875	2095
400	875	1285	3145



Length of chains (L), half travel distance ($\frac{LS}{2}$) plus length of curve (M) $L = \frac{LS}{2} + M$

Power Chains SR328B (48 mm)

NYLON CABLE CHAIN WITH ALUMINIUM RODS



This cable chain features a strong double sideband and frame construction with large anti-friction triple headed pins. It is fitted with large sliding surfaces which provide high durability even at high speeds or with heavy loads.

The chain is fitted with Alu-rod frames which can be unscrewed from both the inner and outer radius. As standard the chain comes with frames fitted every second link but, on request, frames can be fitted every link. Modular separator systems are also available for this type of chain.

Technical characteristics

Speed: 3,5 m/s; acceleration: 8 m/s²
Please complete the **code** with the serial number and **radius** value (R)

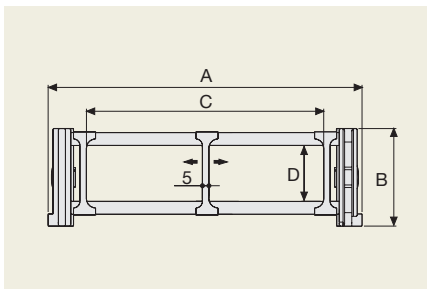
e.g.: SR328B100

Add additional information for chains with continuous Alu-rods

e.g.: SR328B100

Please complete the code by inserting the value of the quote C and the radius (R)

e.g.: SR328B



A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain part number
162	79	100	48	150-180-200-230-280-400	2,50	SR328B100□□□□
212	79	150	48	150-180-200-230-280-400	2,60	SR328B150□□□□
262	79	200	48	150-180-200-230-280-400	2,75	SR328B200□□□□
312	79	250	48	150-180-200-230-280-400	2,90	SR328B250□□□□
362	79	300	48	150-180-200-230-280-400	3,00	SR328B300□□□□
C+62	79	.....	48	150-180-200-230-280-400		SR328B□□□□□□

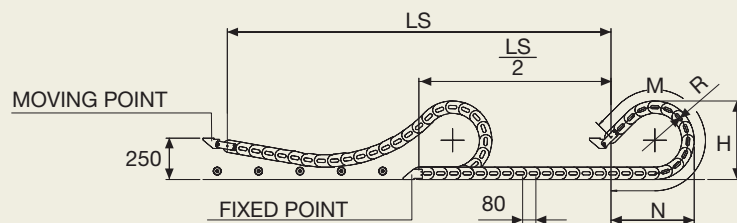
Separator

- unassembled: part.no S3000F
- assembled: part.no S3000FMC

Pin

part.no PG328TP

R mm	H mm	N mm	M mm
150	375	425	955
180	435	530	1220
200	475	600	1395
230	535	700	1655
280	635	875	2095
400	875	1285	3145



Length of chains (L), half travel distance ($\frac{LS}{2}$) plus length of curve (M) $L = \frac{LS}{2} + M$

Power Chains

SR319SE (75,5 mm)

NYLON SLIDING CABLE CHAIN WITH SPLIT CROSS PIECES



This cable chain features a strong double sideband and frame construction with large anti-friction triple headed pins. It is fitted with large sliding surfaces which provide high durability even at high speeds or with heavy loads.

The chain is fitted with Alu-rod frames which can be unscrewed from the outer radius. As standard the chain comes with frames fitted every second link but, on request, frames can be fitted every link. Modular separator systems are also available for this type of chain.

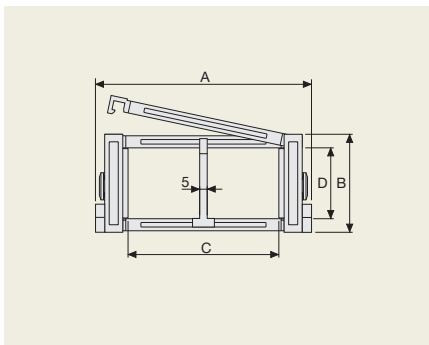
Technical characteristics

Speed: 4 m/s; acceleration: 13 m/s²
Please complete the **code** with the serial number and **radius** value (R)

e.g.: SR319SE116

Add additional information for chains with continuous covers

e.g.: SR319SE116



A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain part number
128	107	64	75,5	200-250-300-350-400-500	4,47	SR319SE064□□□
148	107	84	75,5	200-250-300-350-400-500	4,53	SR319SE084□□□
173	107	109	75,5	200-250-300-350-400-500	4,61	SR319SE109□□□
180	107	116	75,5	200-250-300-350-400-500	4,64	SR319SE116□□□
203	107	139	75,5	200-250-300-350-400-500	4,71	SR319SE139□□□
243	107	179	75,5	200-250-300-350-400-500	4,84	SR319SE179□□□
278	107	214	75,5	200-250-300-350-400-500	4,95	SR319SE214□□□
304	107	240	75,5	200-250-300-350-400-500	5,04	SR319SE240□□□
328	107	264	75,5	200-250-300-350-400-500	5,11	SR319SE264□□□
354	107	290	75,5	200-250-300-350-400-500	5,19	SR319SE290□□□
378	107	314	75,5	200-250-300-350-400-500	5,27	SR319SE314□□□
404	107	340	75,5	200-250-300-350-400-500	5,34	SR319SE340□□□
428	107	364	75,5	200-250-300-350-400-500	5,43	SR319SE364□□□
552	107	488	75,5	200-250-300-350-400-500	5,43	SR319SE488□□□

Separator

- unassembled: part.no S309S

- assembled: part.no S309SMC

Pin

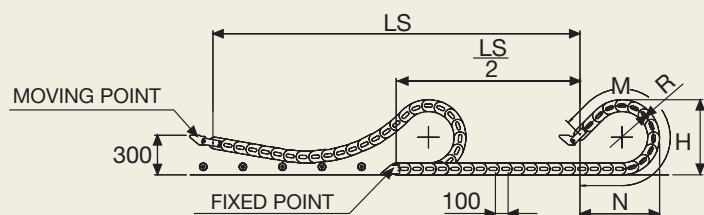
part.no PG319

Strong-hold separator if C > 250 mm

- unassembled: part.no S309SH

- assembled: part.no S309SHMC

R mm	H mm	N mm	M mm
200	507	595	1345
250	607	765	1780
300	707	940	2220
350	807	1110	2655
400	907	1280	3095
500	1107	1625	3970



Length of chains (L), half travel distance ($\frac{LS}{2}$) plus length of curve (M) $L = \frac{LS}{2} + M$

Power Chains SR319B (70 mm)

NYLON CABLE CHAIN WITH ALUMINIUM RODS



This cable chain features a strong double sideband and frame construction with large anti-friction triple headed pins. It is fitted with large sliding surfaces which provide high durability even at high speeds or with heavy loads.

The chain is fitted with Alu-rod frames which can be unscrewed from both the inner and outer radius. As standard the chain comes with frames fitted every second link but, on request, frames can be fitted every link. Modular separator systems are also available for this type of chain.

Technical characteristics

Speed: 4 m/s; acceleration: 13 m/s²

Please complete the **code** with the serial number and **radius** value (R)

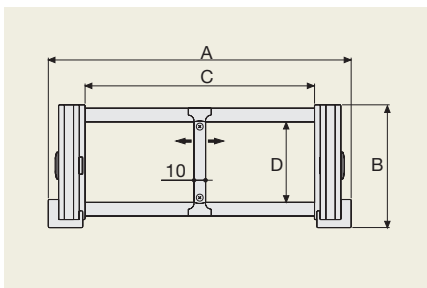
e.g.: SR319PSB150 **2**
where: 2=200; 3=250; 4=300; 5=350; 6=400; 7=500

Add additional information for chains with continuous Alu-rods

e.g.: SR319PSB **1 2 3 2**

Please complete the code by inserting the value of the quote C and the radius (R)

e.g.: SR319PSB **1 5 0 2 D**



A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain part number
164	107	100	70	200-250-300-350-400-500	4,25	SR319PSB100□□□
214	107	150	70	200-250-300-350-400-500	4,45	SR319PSB150□□□
264	107	200	70	200-250-300-350-400-500	4,60	SR319PSB200□□□
314	107	250	70	200-250-300-350-400-500	4,75	SR319PSB250□□□
364	107	300	70	200-250-300-350-400-500	4,90	SR319PSB300□□□
464	107	400	70	200-250-300-350-400-500	5,25	SR319PSB400□□□
C+64	107	.....	70	200-250-300-350-400-500		SR319PSB□□□□

Separator

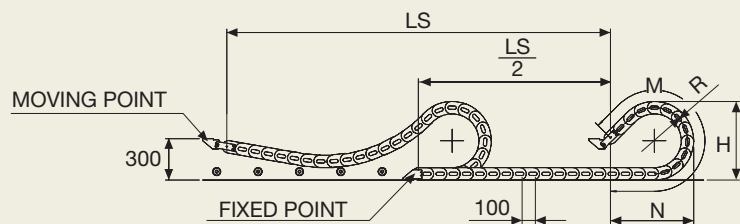
- unassembled: part.no S309C

- assembled: part.no S309CMC

Pin

part.no PG319

R mm	H mm	N mm	M mm
200	507	595	1345
250	607	765	1780
300	707	940	2220
350	807	1110	2655
400	907	1280	3095
500	1107	1625	3970

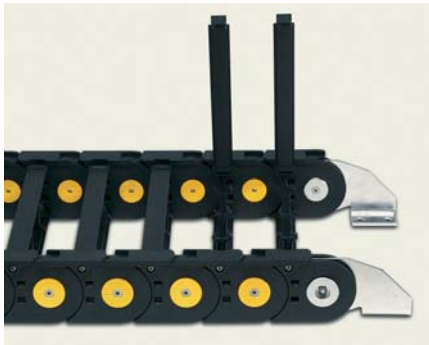


Length of chains (L), half travel distance ($\frac{LS}{2}$) plus length of curve (M) $L = \frac{LS}{2} + M$

Power Chains

M80PI - M80PE

NYLON SLIDING CABLE CHAIN WITH OPENABLE FRAMES



This cable chain features a strong double sideband and frame construction with large anti-friction pins. It is fitted with large sliding surfaces which provide high durability even at high speeds or with heavy loads.

The frames can be opened from the inner radius (SI) and outer radius (SE). As standard the chain comes with frames fitted every second link but, on request, frames can be fitted every link. Modular separator systems are also available for this type of chain.

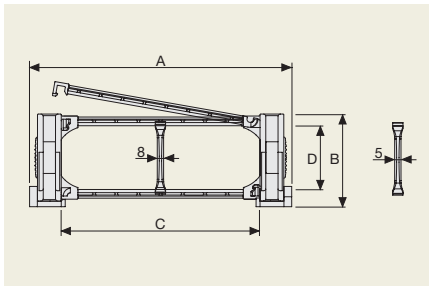
Technical characteristics

Speed: 4 m/s; acceleration: 13 m/s²
Please complete the **code** with the serial number and **radius** value (R)

e.g.: M80 **P** **I** 115 **2** **5** **0**

Add additional information for chains with continuous covers

e.g.: M80 **P** **I** 115 **2** **5** **0** **D**



A mm	B mm	C mm	D mm	R mm	Weight/m kg	Chain part number
195	117	115	80,5	200-250-300-400-500-700	8,60	M80□□115□□□□□
215	117	135	80,5	200-250-300-400-500-700	8,67	M80□□135□□□□□
240	117	160	80,5	200-250-300-400-500-700	8,73	M80□□160□□□□□
247	117	167	80,5	200-250-300-400-500-700	8,75	M80□□167□□□□□
270	117	190	80,5	200-250-300-400-500-700	8,80	M80□□190□□□□□
310	117	230	80,5	200-250-300-400-500-700	8,93	M80□□230□□□□□
345	117	265	80,5	200-250-300-400-500-700	9,05	M80□□265□□□□□
371	117	291	80,5	200-250-300-400-500-700	9,11	M80□□291□□□□□
395	117	315	80,5	200-250-300-400-500-700	9,17	M80□□315□□□□□
421	117	341	80,5	200-250-300-400-500-700	9,25	M80□□341□□□□□
445	117	365	80,5	200-250-300-400-500-700	9,33	M80□□365□□□□□
471	117	391	80,5	200-250-300-400-500-700	9,40	M80□□391□□□□□
495	117	415	80,5	200-250-300-400-500-700	9,47	M80□□415□□□□□
619	117	539	80,5	200-250-300-400-500-700	10,00	M80□□539□□□□□

Separator

- unassembled: part.no S80

- assembled: part.no S80MC

Pin

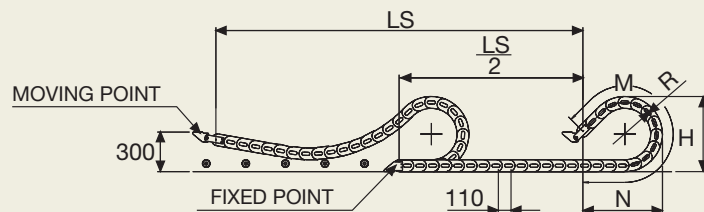
part.no PGE80-PGI80

Strong-hold separator if C > 250 mm

- unassembled: part.no S80H

- assembled: part.no S80HMC

R mm	H mm	N mm	M mm
200	517	685	1515
250	617	1020	2260
300	717	1350	3000
400	917	2020	4485
500	1117	2685	5965
700	1517	4020	8935



Length of chains (L), half travel distance ($\frac{LS}{2}$) plus length of curve (M) $L = \frac{LS}{2} + M$



Flexible cables

To be able to meet any request from our customers the Power Chains manufactured by Brevetti Stendalto can be supplied ready assembled with specially designed hoses, tubes and flexible power and control cables.

Please contact your local Cavotec office to receive more detailed technical information concerning the cables listed below.



BC410 - BC411

Signal, control and power cables, with PVC jacket.



BC412

Multipolar oil resistant cable shielded with PVC jacket.



BC418 - BC419

Signal and control cables with inner insulation in TPE-E with PUR jacket.



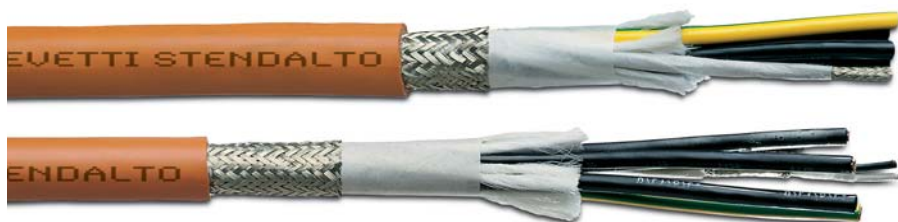
BC421

Oil resistant shielded cables with PUR jacket, for power supply of brushless motors.



BC425

Single conductor with PUR jacket.



BC430

Oil resistant shielded cables with PUR jacket, for power supply of Indramat® brushless motors.



BC440

Encoder, measuring systems and resolver cables.



BC450

BUS cable.

Total Chain

The Total Chain concept is based on supplying the customer with a totally complete package for his application. This includes the cable chain, the cable and fittings, and the actual installation project done by Brevetti appointed experts.

By providing this complete solution the customer is guaranteed the highest quality of every component and the longest possible operating lifetime of the cable chain.



Four Total Chain packages leaving the Brevetti factory on their way to the customer.

Head Office

Cavotec MSL Holdings Ltd.

Cavotec MSL is listed on the **NZX**

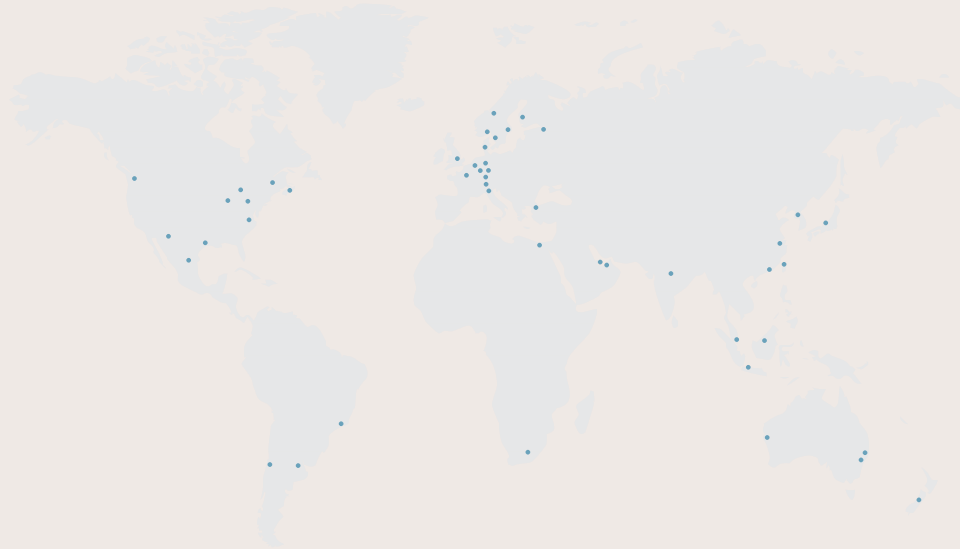
Corporate Office

Cavotec (Swiss) SA

Via Serafino Balestra 27
CH-6900 Lugano, Switzerland

We are present in

Argentina	Luxemburg
Australia	Malaysia
Belgium	Mexico
Brazil	The Netherlands
Canada	New Zealand
Chile	Norway
China	Russia
Denmark	Saudi Arabia
Egypt	Singapore
Finland	South Africa
France	Sweden
Germany	Switzerland
Hong Kong	Taiwan
India	Turkey
Indonesia	Qatar
Ireland	U.A.E.
Italy	U.K.
Japan	U.S.A.
Korea	



For more information please visit our website www.cavotec.com
or contact us directly at info@cavotec.com