

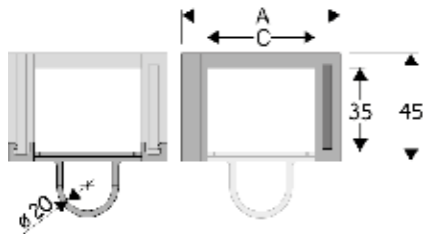
# Cable chains for robot applications

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### SILVYN® CHAIN 495

Circular Nylon Cable Chain with removable frames



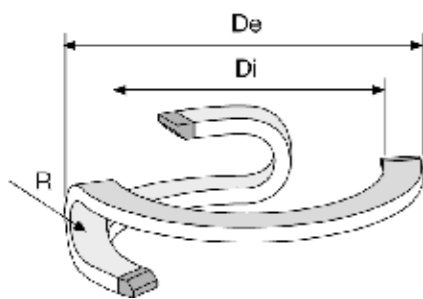
#### Technical data

- Inner Height (D)**  
35 mm
- Speed**  
180 m/s
- Acceleration**  
180 m/s<sup>2</sup>

A (mm)	B (mm)	C (mm)	D (mm)	R (mm)	Weight (kg/m)	Article number
69	45	45	35	100	0.10	495

**Pin** Article number PG305

Chain type	Rotation	Pitches
495	90	13
495	180	18
495	270	22
495	360	26

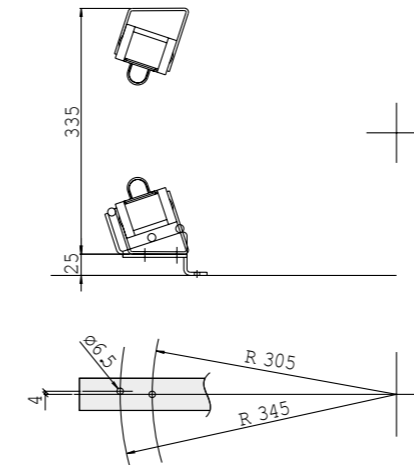


R	Di	De
100	600	755

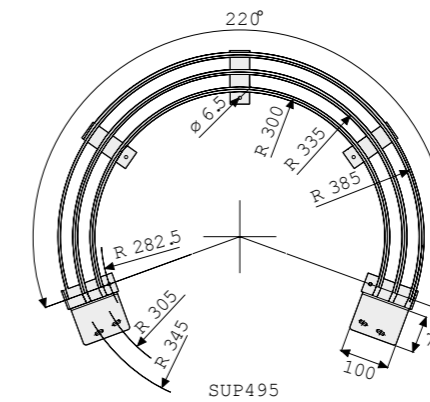
### End brackets

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.

#### Steel Type



#### Support Guide

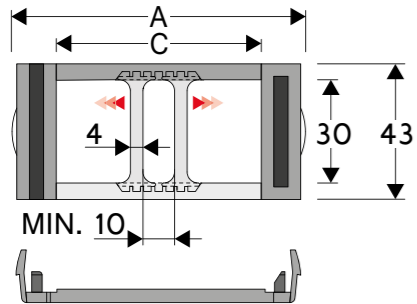


Steel Type Part Numbers
Complete Set Assembled A495KM
Complete Set Unassembled A495K

For correct functioning of the chain it is necessary that the installation is done in a specific position. For this reason there is a support guide available which can do this. For particular applications it is possible to create support guides with attachment plates and special dimensions. For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain.

### SILVYN® CHAIN 500

Circular Nylon Cable Chain with removable frames



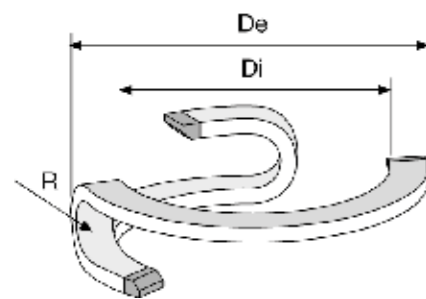
Technical data	
	<b>Inner Height (D)</b> 30 mm
	<b>Speed</b> 180 m/s
	<b>Acceleration</b> 180 m/s <sup>2</sup>

Separator	
Unassembled	Article number S500
Assembled	Article number S500MC
Pin	Article number PG355

A (mm)	B (mm)	C (mm)	D (mm)	R (mm)	Weight (kg/m)	Article number
93	43	65	30	100	0.14	5001
93	43	65	30	150	0.14	5002

Chain type	Rotation	Pitches
5001	90	12
5001	180	16
5001	270	20
5001	360	24
5002	90	14
5002	180	18
5002	270	23
5002	360	27

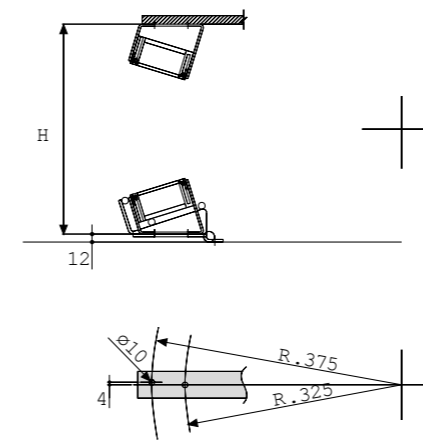
R	Di	De
100	630	830
150	630	830



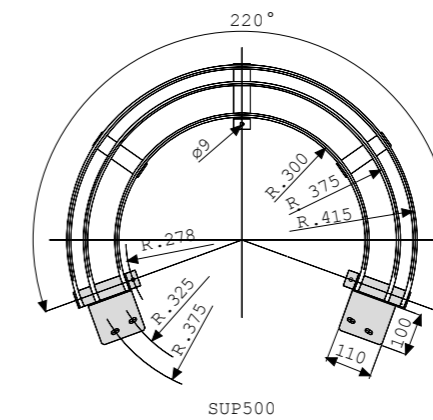
### End brackets

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#### Steel Type



#### Support Guide

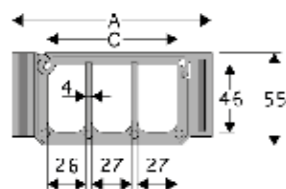


Steel Type Part Numbers
Complete Set Assembled A500KM
Complete Set Unassembled A500K

For correct functioning of the chain it is necessary that the installation is done in a specific position. For this reason there is a support guide available which can do this. For particular applications it is possible to create support guides with attachment plates and special dimensions. For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain.

### SILVYN® CHAIN 510TN / 515TN

Circular Nylon Cable Chain with removable frames



#### Technical data

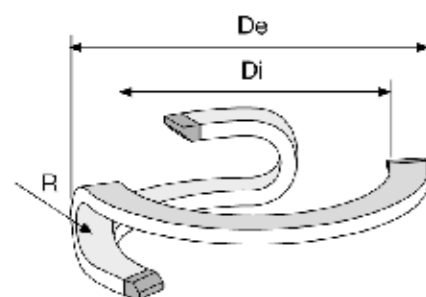
- Inner Height (D)**  
46 mm
- Speed**  
180 m/s
- Acceleration**  
180 m/s<sup>2</sup>

A (mm)	B (mm)	C (mm)	D (mm)	R (mm)	Weight (kg/m)	Article number
132	55	88	46	125	0.20	510TN125
132	55	88	46	175	0.20	515TN175

Pin	Article number
510TN	PG511
515TN	PG515

Chain type	Rotation	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

R	Di	De
125	940	1220
175	1060	1340

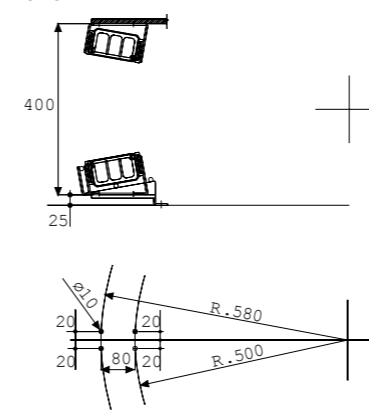


### End brackets

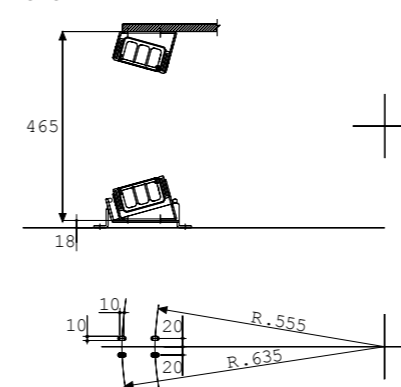
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### Steel Type

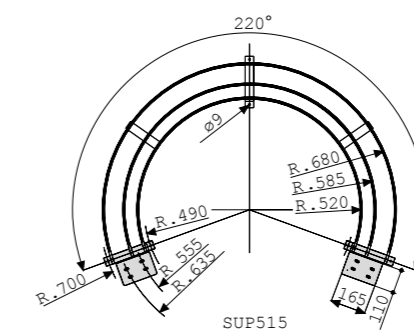
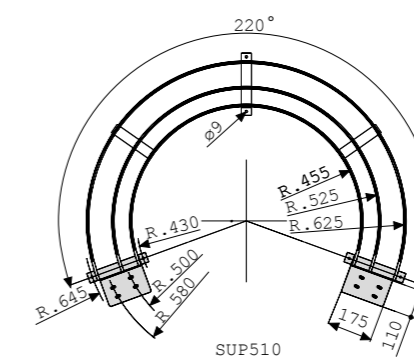
#### 510TN



#### 515TN



### Support Guide

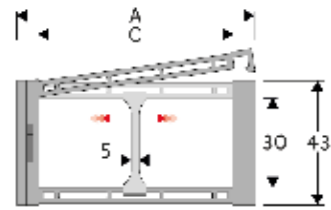


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Steel Type Part Numbers
Complete Set Assembled
A510TNKM
A515TNKM
Complete Set Unassembled
A510TNK
A515TNK

### SILVYN® CHAIN 545

Circular Nylon Cable Chain with removable frames



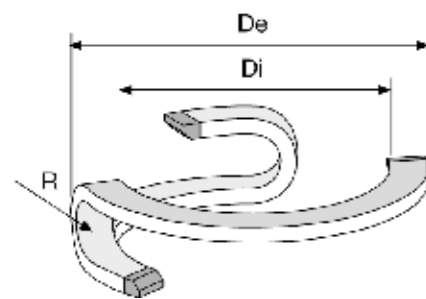
#### Technical data

-  **Inner Height (D)**  
46 mm
-  **Speed**  
180 m/s
-  **Acceleration**  
180 m/s<sup>2</sup>

A (mm)	B (mm)	C (mm)	D (mm)	R (mm)	Weight (kg/m)	Article number
123	62	100	46	100	0.20	545SI100100

Separator	Article number
Unassembled	S445UF
Assembled	S445UFMC
Pin	PG545

Chain type	Rotation	Pitches
545	90	14
545	180	18
545	270	22
545	360	27

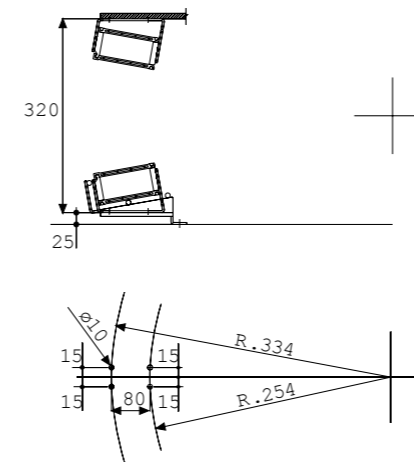


R	Di	De
100	485	760

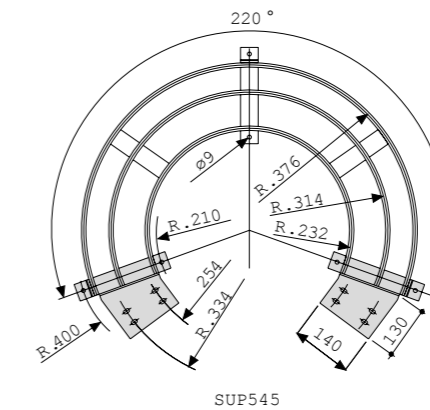
### End brackets

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#### Steel Type



#### Support Guide

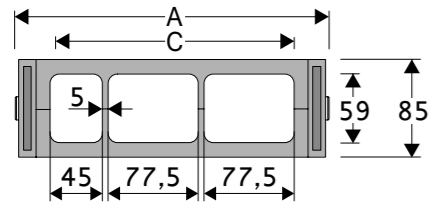


Steel Type Part Numbers
Complete Set Assembled
A545KM
Complete Set Unassembled
A545K

For correct functioning of the chain it is necessary that the installation is done in a specific position. For this reason there is a support guide available which can do this. For particular applications it is possible to create support guides with attachment plates and special dimensions. For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain.

### SILVYN® CHAIN 599

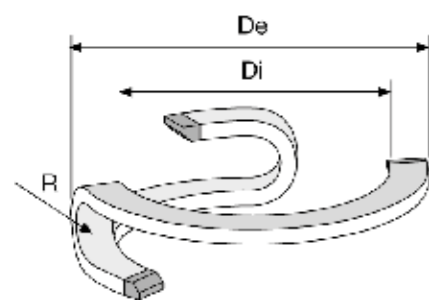
Circular Nylon Cable Chain with removable frames



Technical data	
	<b>Inner Height (D)</b> 59 mm
	<b>Speed</b> 180 m/s
	<b>Acceleration</b> 180 m/s <sup>2</sup>

A (mm)	B (mm)	C (mm)	D (mm)	R (mm)	Weight (kg/m)	Article number
272	85	210	59	220	0.90	599

Chain type	Rotation	Pitches
599	90	14
599	180	19
599	270	23
599	360	28

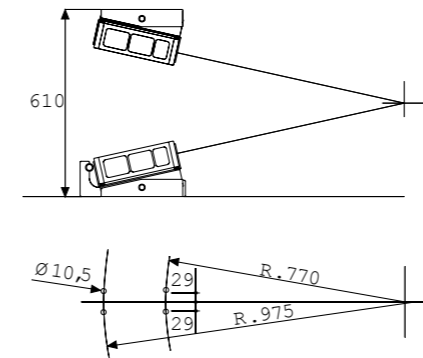


R	Di	De
220	1400	2000

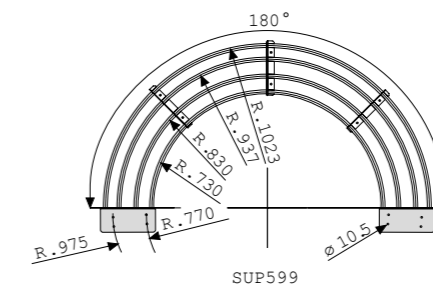
### End brackets

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### Steel Type



### Support Guide



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For applications with rotations exceeding 200° it is necessary to use the appropriate accessories for supporting the cable chain.

Steel Type Part Numbers
Complete Set Assembled
A599KM
Complete Set Unassembled
A599K

## General cable chain accessory

### Nylon Tiewrap Clamp

To allow easy fixing of the cables at the chain's end brackets, we recommend to use strong nylon tiewrap clamps.

The tiewrap is mounted onto a steel profile to assure a strong support.

This fixing system is available for different cable chain series and can be found directly on the product pages.



### Steel Cable Clamps

The steel cable clamps connect the cable to the end brackets of the chain. The plastic counter pressure cradle with the integrated screw tightens and fix the cable.

The smooth surface and the design of the cradles guarantee high stability and avoid any damage to the cables.

Special versions are available on request.



A fixing set is composed by the following parts:

- steel clamps with pressure cradle
- counter pressure cradle
- doublesided cradle for double and triple clamps
- steel mounting rails

### Pin Tool

Tool to safely insert and remove the yellow pins

Part No.	suitable for chain type	Pins
PZ010	660 - 770 - 445	Single
PZ036	306 - 307 - 326	Triple
PZ038	308 - 328	Triple
PZ039	309	Triple
PZ475	475	Single



## Steel cable clamps

C-profile rail

Part.no	Length
6000002	Standard 1000 mm; available on request with different length

Single clamp in zinc-plated steel with 1 pressure cradle and 1 counter pressure cradle

Part.no	Diameter mm	L	H max ~
6000614C	06-14	20	64
6001418C	14-18	22	73
6001822C	18-22	26	77
6002226C	22-26	30	81
6002630C	26-30	34	85
6003034C	30-34	38	90
6003438C	34-38	43	100
6003842C	38-42	47	113
6004246C	42-46	52	120
6004650C	46-50	58	130
6005054C	50-54	68	139
6005458C	54-58	75	147
6005864C	58-64	82	155
6006470C	64-70	90	163

Double clamp in zinc-plated steel set complete with 1 pressure cradle, 1 double sided cradle and 1 counter pressure cradle

Part.no	Diameter mm	L	H max ~
6020608C	06-08	20	64
6020810C	08-10	20	88
6021014C	10-14	20	88
6021418C	14-18	21	94
6021822C	18-22	26	110
6022226C	22-26	30	121
6022630C	26-30	34	128
6023034C	30-34	38	134
6023438C	34-38	43	156
6023842C	38-42	47	165

Triple clamp in zinc-plated steel set complete with 1 pressure cradle, with plastic insert, 2 double sided cradles and 1 counter pressure cradle

Part.no	Diameter mm	L	H max ~
6031012C	10-12	16	87
6031214C	12-14	17	97
6031416C	14-16	19	102
6031618C	16-18	22	112
6031820C	18-20	24	116
6032022C	20-22	26	129
6032224C	22-24	28	133
6032426C	24-26	31	143
6032628C	26-28	33	150
6032830C	28-30	35	158

Counter pressure cradle

Part.no	Diameter mm	Part.no	Diameter mm
6100612	06-12	6103842	38-42
6101214	12-14	6104246	42-46
6101618	14-18	6104650	46-50
6101822	18-22	6105054	50-54
6102226	22-26	6105458	54-58
6102630	26-30	6105864	58-64
6103034	30-34	6106470	64-70
6103438	34-38		

Doublesided cradle

Part.no	Diameter mm	Part.no	Diameter mm
6201012	10-12	6202426	22-26
6201214	12-14	6202830	26-30
6201416	14-16	6203034	30-34
6201618	16-18	6203438	34-38
6201822	18-22	6203842	38-42

Plastic insert for triple clamp (order separately)

Part.no	Diameter mm	Part.no	Diameter mm
6300612X	10-12	6201822X	20-24
6301214X	12-14	6202226X	24-26
6301416X	14-16	6202630X	26-30
6301618X	16-20		

