

# Serie Protection

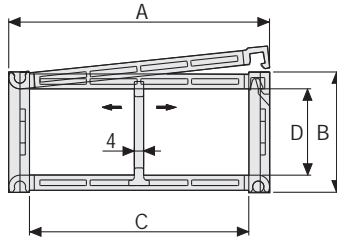
## SR445AI/SR445AE Nylon Protection Cable Chain with openable aluminium covers

Inner height (D) 45 mm

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

Covers are openable from inner radius (SR445AI) or from outer radius (SR445AE).

Vertical separators are available.



### Separator

- Unassembled Part.no S445UF  
- Assembled Part.no S445UFMC

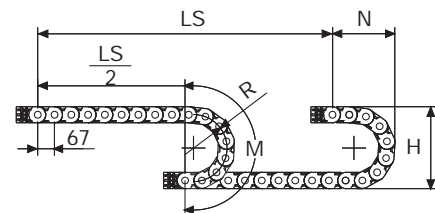
### Pin

Part.no PG445

### 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)

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

A	B	C	D	R	Weight/m	Chain
mm	mm	mm	mm	mm	kg	Part Number
72	64	50	45	100-125-150-175-200-250-300	2,13	SR445AI(AE)050□□□*
83	64	61	45	100-125-150-175-200-250-300	2,24	SR445AI(AE)061□□□*
97	64	75	45	100-125-150-175-200-250-300	2,49	SR445AI(AE)075□□□*
103	64	81	45	100-125-150-175-200-250-300	2,59	SR445AI(AE)081□□□*
117	64	95	45	100-125-150-175-200-250-300	2,79	SR445AI(AE)095□□□*
122	64	100	45	100-125-150-175-200-250-300	2,85	SR445AI(AE)100□□□*
129	64	107	45	100-125-150-175-200-250-300	2,95	SR445AI(AE)107□□□*
139	64	117	45	100-125-150-175-200-250-300	3,08	SR445AI(AE)117□□□*
147	64	125	45	100-125-150-175-200-250-300	3,24	SR445AI(AE)125□□□*
158	64	136	45	100-125-150-175-200-250-300	3,41	SR445AI(AE)136□□□*
172	64	150	45	100-125-150-175-200-250-300	3,61	SR445AI(AE)150□□□*
197	64	175	45	100-125-150-175-200-250-300	3,97	SR445AI(AE)175□□□*
222	64	200	45	100-125-150-175-200-250-300	4,35	SR445AI(AE)200□□□*
233	64	211	45	100-125-150-175-200-250-300	4,51	SR445AI(AE)211□□□*
247	64	225	45	100-125-150-175-200-250-300	4,73	SR445AI(AE)225□□□*
274	64	252	45	100-125-150-175-200-250-300	5,13	SR445AI(AE)252□□□*
283	64	261	45	100-125-150-175-200-250-300	5,26	SR445AI(AE)261□□□*
334	64	312	45	100-125-150-175-200-250-300	6,00	SR445AI(AE)312□□□*
356	64	334	45	100-125-150-175-200-250-300	6,33	SR445AI(AE)334□□□*
384	64	362	45	100-125-150-175-200-250-300	6,73	SR445AI(AE)362□□□*

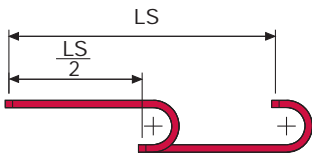
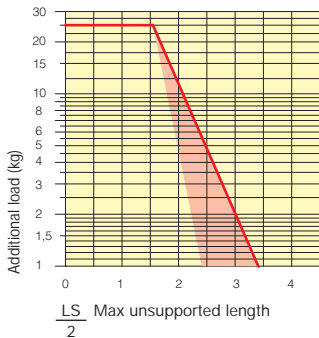
\*Complete the code by inserting the value of the radius (R): Ex. SR445AI(AE)050 □□□□

R	H	N	M
mm	mm	mm	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



### Self-Supporting Capacity Diagram

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



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

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

### End Brackets

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

#### Nylon Type

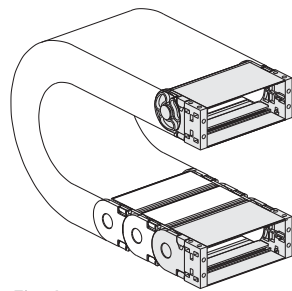
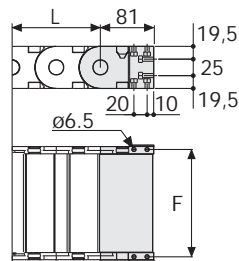


Fig. A  
The chain can be fixed frontally, inner or outer radius. (Fig A)



Chain Type	F mm
SR445AI(AE)050	63
SR445AI(AE)061	74
SR445AI(AE)075	88
SR445AI(AE)081	94
SR445AI(AE)095	108
SR445AI(AE)100	113
SR445AI(AE)107	120
SR445AI(AE)117	130
SR445AI(AE)125	138
SR445AI(AE)136	149
SR445AI(AE)150	163
SR445AI(AE)175	188
SR445AI(AE)200	213
SR445AI(AE)211	224
SR445AI(AE)225	238
SR445AI(AE)252	265
SR445AI(AE)261	274
SR445AI(AE)312	325
SR445AI(AE)334	347
SR445AI(AE)362	375

#### Nylon Type Part Numbers

Complete Set Assembled	
Chain	End Brackets
Type	Set
SR445...	AN445A□□□*KM

Complete Set Unassembled	
Chain	End Brackets
Type	Set
SR445...	AN445A□□□*K

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

#### Bright Zinc Plated Steel Type\*

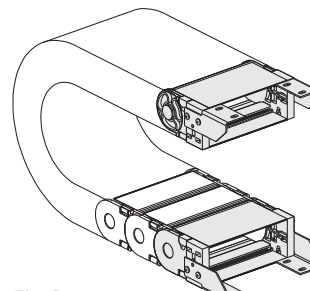
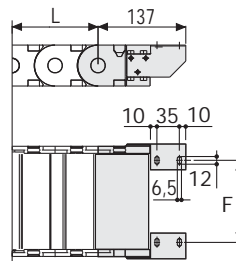


Fig. B  
Chain fixed outside the radius. (Fig B)  
See end brackets mounting variations page 31.



Chain Type	F mm
SR445AI(AE)050	28
SR445AI(AE)061	39
SR445AI(AE)075	53
SR445AI(AE)081	59
SR445AI(AE)095	73
SR445AI(AE)100	78
SR445AI(AE)107	85
SR445AI(AE)117	95
SR445AI(AE)125	103
SR445AI(AE)136	114
SR445AI(AE)150	128
SR445AI(AE)175	153
SR445AI(AE)200	178
SR445AI(AE)211	189
SR445AI(AE)225	203
SR445AI(AE)252	230
SR445AI(AE)261	239
SR445AI(AE)312	290
SR445AI(AE)334	312
SR445AI(AE)362	340

#### Bright Zinc Plated Steel Type Part Numbers

Complete Set Assembled	
Chain	End Brackets
Type	Set
SR445...	A445A□□□KM□**

Complete Set Unassembled	
Chain	End Brackets
Type	Set
SR445...	A445A□□□K□**

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

### Serie Protection

## SR445AI SR445AE

Nylon Protection Cable Chain with openable aluminium covers