

# RS 599-516

## Inner height (D) 17 mm

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

### Technical characteristics when self-supported

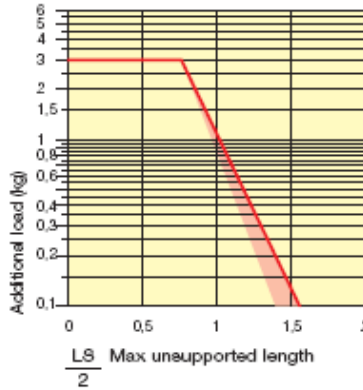
Speed	10 m/s
Acceleration	50 m/s <sup>2</sup>

### Technical characteristics when used in long travel distance

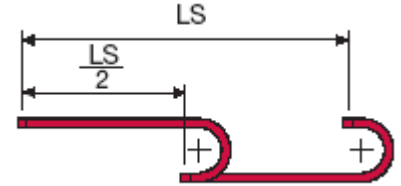
Speed	0,3 m/s
Acceleration	1 m/s <sup>2</sup>

## 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

R	H	N	M	N1	M1
mm	mm	mm	mm	mm	mm
40	103	85	185	185	385

Length of chain (L)

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

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

