

Simply Smart Systems

# Energy chains



**murrplastik®**  
Simply Smart Systems





The brand murrplastik®

# Industry-focused Future-proof Customized

Manufacturing is the driving force in our fast-moving, connected world. More so than nearly any other sector of the economy, industry lies at the heart of continuous innovation and change. To survive long term, you have to be able to react to ever-changing developments and conditions flexibly and with foresight. The highest level of economic know-how is just as indispensable here as powerful machines and reliable production facilities.

With over 60 years of experience in the development, production and sale of smart cable management systems and individual components, at murrplastik® we support companies worldwide in optimizing their work processes.

**For the customers, this means protected investments, long-lasting machines and shorter downtimes as the basis for a future-proof, up-to-date corporate development.**





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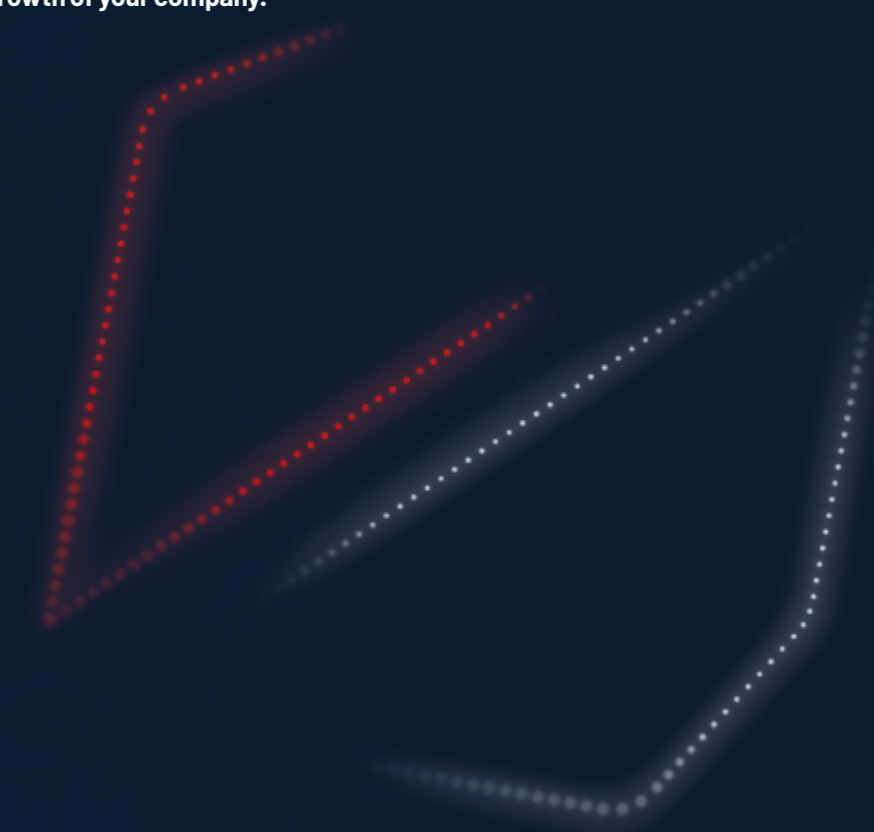
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# We create room for progress Simply Smart Systems

Building on the development of the first computer-assisted labeling system and our decades of experience in the field of intelligent cable management, murrplastik® offers not only individual solutions but also complete cable management solutions - everything from one source.

In close cooperation with our experts, we will find the optimum solution for you and your requirements. Comprehensive consulting is just as much a part of our service portfolio as the rapid implementation, maintenance and support of the systems in case of a service issue.


**That is how we can ensure the basis for the modern, future-proof, progressive growth of your company.**







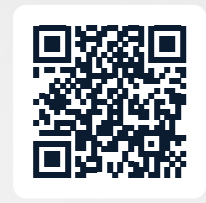
 **Automation & Robotics**

 **Conduits & fittings**

 **Cable entry systems**

 **Labeling**

 **Energy chain systems**



**Our entire range at a click**

[shop.murrplastik.de](https://shop.murrplastik.de)



**industries and application areas**

[murrplastik.de/en/industries](https://murrplastik.de/en/industries)

# When every choice is the best

murrplastik® energy chains



## EVOCHAIN® PLUS

- ✓ **universally** applicable
- ✓ quiet thanks to **soft-stop system**
- ✓ **stable** and easy to assemble

## EVOCHAIN® MAX

- ✓ **can be opened on both sides** with and without tools
- ✓ up to **25 db(A)** quieter than conventional energy chains
- ✓ innovative **shelving system**

More info at [murrplastik.de](https://murrplastik.de)



# Energy chains for every application

EVOCHAIN® MAX

A lot is on the move in mechanical and plant engineering. To ensure that the energy always gets to where it is needed, there are energy chains from murrplastik®.

With the **EVOCHAIN® MAX** you get all the benefits in one product:

- ✓ **EVOLOCK®** is an easy to assemble lock
- ✓ **EVORACK®** enables opening and closing on both sides without tools
- ✓ **EVOSILENCE®** dampens noise by means of specially developed elastomers
- ✓ **EVOSHOX®** - damping shoes ensure low-vibration unrolling
- ✓ **EVOCONTROL®** - gliding shoes increase service life

A particularly long service life, even for applications with high lateral accelerations, and convenient configuration of numerous add-on components make the **EVOCHAIN® MAX** the ideal product for demanding applications.



# Simple or easy?

Specializing in the needs of the industry, our energy chains are used wherever smooth routing of cables and conduits is required. Whether a cost-effective all-rounder or an innovative product series with proven qualities: Our versatile energy chains have proven themselves for years in a wide range of applications and under extreme conditions.

**We offer customized configuration options as well as comprehensive advice and services - everything from one source.**



Our entire range  
at a click

[shop.murrplastik.de](https://shop.murrplastik.de)

# The Innovation Chain

EVOCHAIN® MAX by murrplastik®

## EVORACK®

Shelf support opening on both sides

## EVOLOCK®

Crossbar lock for quick and easy opening on both sides

More info at [murrplastik.de](http://murrplastik.de)



# The new sound of silence

murrplastik® energy chains

## EVOSHOX®

Durable damping shoe

Guarantees low-vibration and quiet unrolling of the energy chain

Made from wear-free two-component material

## EVOSILENCE®

Powerful, internal noise damping



Energy chain  
EVOCHAIN® MAX





# Our energy chain series in short

murrplastik® offers energy chains, cables, plugs, connectors, strain reliefs, guide channels as well as assembly, consulting and service "everything from one source". Our system solutions are innovative, application-specific and 100% coordinated.

**What characterizes our glass-fibre reinforced plastic energy chains is that they are optimally adapted to a wide range of applications. In terms of material properties, our energy chains meet the highest requirements.**

### Material properties

Standard material	Polyamide (PA) black
Usage temperature	-30 – 120 °C
Gliding friction factor	0.3
Static friction factor	0.45
Fire classification	UL 94 HB

Further material properties on request

### EVOCHAIN® MAX

Outstanding and innovative. Equipped with five innovative features: time-saving EVOLOCK® crossbar lock system, EVORACK® shelf support system that can be opened on both sides EVOCONTROL® gliding shoe with wear control system, wear-free EVOSHOX® gliding shoe and the durable EVOSILENCE® internal damper. Each variant of the series is available in open and closed versions.

### EVOCHAIN® PLUS

Stable, easy to assemble, high-quality and universally applicable. Thanks to their EVOSILENCE® soft-stop system and the wear-free EVOSHOX® damping shoe, these energy chains roll particularly quietly and with low-vibration, and a permanent reduction of the noise emission is guaranteed. The flexible chain brackets with integrated strain relief offer various connection options.

### POWERLINE

Easy to assemble and durable. The crossbars and covers are available in plastic or aluminum. Replaceable gliding shoes that can be installed without tools increase the service life of the Powerline by up to five times for long travel distances. This minimizes wear and tear and extends maintenance intervals. The broad interior layout and flexible chain brackets round off the portfolio.

### MULTILINE

Cost-effective and high-quality. The Multiline is ideal for light and medium applications. The two-part energy chains can be opened and loaded in either the inside or outside bend and are designed to be extremely easy to assemble. The strain relief is integrated into the chain brackets. The crossbars and covers round off the wide range of products in the chain series.

### HEAVYLINE

Resilient and durable. The easy to assemble Heavyline is available in open and closed designs. The aluminum crossbars and covers can be opened on the inside and outside bend. Due to replaceable gliding shoes, which are mounted in the inside bend of the energy chain without tools, the service life of the energy chain can be extended by up to five times for long travel distances.

### MODULLINE

Modular and easy to assemble. For light applications with high speeds and accelerations. The smart shelving system offers an innovative solution with brush supports. This allows the cables to be routed in the neutral fibre with minimized abrasion and then strain-relieved directly in the chain bracket either with cable ties or bow clamps.



Energy chains				Version			Opening variants			Accessories						
Chain type	Internal height [mm]	Radii [mm]	Widths [mm]	Side link energy chain	U-part energy chain	open	closed	opens on inside bend	opens on outside bend	opens on inside and outside bend	Crossbar lock EVOLOCK®	Internal damper E-VISILENCE®	External damper EYOSHOK®	Gliding shoe EYOCNTR®	Crossbar lock	Gliding shoe
<b>EVOCHAIN® MAX</b>																
MP 420	42	75 to 350	50 to 400	☑		☑				☑	☑	☑	☑	☑		
MP 420 C	42	125 to 350	75 to 300	☑			☑			☑	☑	☑	☑	☑		
MP 560	56	135 to 500	65 to 400	☑		☑				☑	☑	☑	☑	☑		
MP 560 C	56	150 to 500	100 to 300	☑			☑			☑	☑	☑	☑	☑		
MP 800	80	175 to 350	65 to 400	☑		☑				☑	☑	☑	☑	☑		
<b>POWERLINE</b>																
MP 32.2	32	80 to 250	45 to 546	☑		☑				☑				☑	☑	
MP 32.3	30	120 to 250	45 to 546	☑			☑			☑				☑	☑	
MP 41.2	42	90 to 350	45 to 546	☑		☑				☑				☑	☑	
MP 41.3	38	150 to 350	45 to 546	☑			☑			☑				☑	☑	
MP 52.2	52	100 to 350	45 to 546	☑		☑				☑				☑	☑	
MP 52.3	48	150 to 350	45 to 546	☑			☑			☑				☑	☑	
MP 52.4	52	125 to 300	45 to 546	☑		☑				☑	☑			☑	☑	
MP 52.5	48	150 to 300	45 to 546	☑			☑			☑	☑			☑	☑	
MP 62.4	62	135 to 300	45 to 546	☑		☑				☑	☑			☑	☑	
<b>HEAVYLINE</b>																
MP 62.2	62	150 to 500	93 to 518	☑		☑				☑				☑	☑	
MP 62.3	62	200 to 500	93 to 518	☑			☑			☑				☑	☑	
MP 82.2	82	150 to 650	93 to 518	☑		☑				☑				☑	☑	
MP 82.3	74	200 to 650	93 to 518	☑			☑			☑				☑	☑	
MP 102.2	102	250 to 500	93 to 518	☑		☑				☑				☑		
<b>EVOCHAIN® PLUS</b>																
MP 35.1	35	63 to 250	50 to 175		☑	☑			☑		☑					
MP 35.2	35	63 to 250	50 to 175		☑	☑		☑			☑					
MP 45.1	45	75 to 300	50 to 250		☑	☑			☑		☑					
MP 45.2	45	75 to 300	50 to 250		☑	☑		☑			☑	☑				

Energy chains				Version			Opening variants			Accessories						
Chain type	Internal height [mm]	Radii [mm]	Widths [mm]	Side link energy chain	U-part energy chain	open	closed	opens on outside bend	opens on outside bend	Opens on inside and outside bend	EVOLOCK® crossbar lock	Internal damper E-VISILENCE®	External damper EYOSHOK®	Gliding shoe EYOCNTR®	Crossbar lock	Gliding shoe
<b>MULTILINE</b>																
MP 10.1	10	18 to 58	6 to 41		☑	☑			☑							
MP 14	14	25 to 75	16 to 40		☑	☑			☑							
MP 15	14	25 to 75	16 to 40		☑	☑										
MP 18.1	18	28 to 78	15 to 70		☑	☑			☑							
MP 18.2	18	28 to 78	15 to 70		☑	☑		☑								
MP 20.2	20	38 to 125	15 to 70		☑	☑		☑								
MP 3000	26	50 to 300	26 to 125		☑	☑		☑								
MP 25 G	25	60 to 250	26 to 125		☑		☑		☑							
MP 36 G	36	80 to 200	62 to 125		☑		☑	☑								
<b>MODULLINE</b>																
MP 25.1	25	50 to 300	40 to 200		☑	☑			☑							
MP 25.2	25	50 to 300	40 to 200		☑	☑		☑								
MP 25.3	25	100 to 300	40 to 200		☑		☑		☑							
MP 25.4	25	100 to 300	40 to 200		☑		☑	☑								
MP 30.1	30	60 to 300	40 to 200		☑	☑			☑							
MP 30.2	30	60 to 300	40 to 200		☑	☑		☑								
MP 30.3	30	100 to 300	40 to 200		☑		☑		☑							
MP 30.4	30	100 to 300	40 to 200		☑		☑	☑								



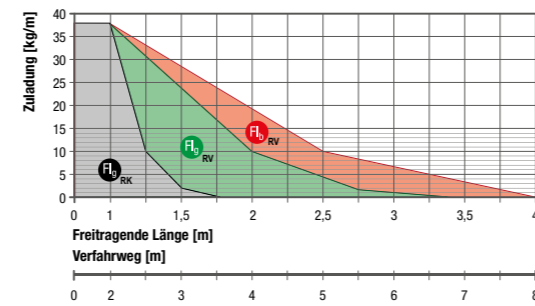
# MP 420 / MP 420 C

EVOCHAIN® MAX

GO TO PRODUCT



### Load diagram for self-supporting applications



### Technical data



**Loading side**  
Inside or outside bend



**Available radii**  
75 - 350 mm



**Available interior heights**  
42 mm  
**Available interior widths**  
With plastic crossbar  
50 - 400 mm  
with plastic cover  
75 - 300 mm



**Pitch**  
T = 67 mm



**EVOSILENCE®  
Noise damping in chain link**  
Reduction of noise emissions  
by up to  
10 dB(A) with damping  
elements in the  
chain links.



**EVOSHOCK®  
Damping shoe**  
Reduction of noise emissions  
by up to  
25 dB(A) in combination with  
damping elements in the  
chain links.

### Technical specifications

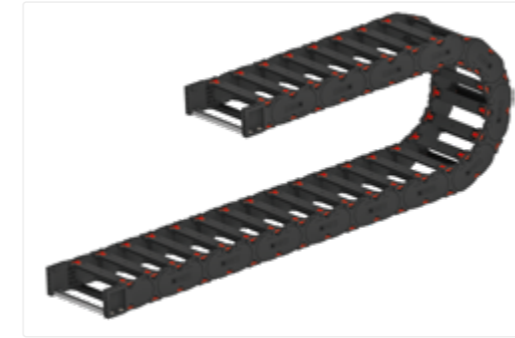
Travel distance gliding $L_g$ max.	150 m
Travel distance self-supporting $L_f$ max.	8 m
Travel distance vertical, hanging $L_{vh}$ max.	100 m
Travel distance vertical, standing $L_{vs}$ max.	6 m
Rotated 90°, self-supporting $L_{90f}$ max.	2 m
Speed, gliding $V_g$ max.	10 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	50 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	50 m/s <sup>2</sup>

Higher requirements on request

# MP 800

EVOCHAIN® MAX

Available from: 3rd quarter - 2024



### Technical data



**Loading side**  
Inside or outside bend



**Available radii**  
175 - 350 mm



**Available interior heights**  
80 mm  
**Available interior widths**  
With plastic crossbar  
65 - 400 mm



**Pitch**  
T = 111 mm



**EVOSILENCE®  
Noise damping in chain link**  
Reduction of noise emissions  
by up to  
10 dB(A) with damping  
elements in the  
chain links.



**EVOSHOCK®  
Damping shoe**  
Reduction of noise emissions  
by up to  
25 dB(A) in combination with  
damping elements in the  
chain links.

### Technical specifications

Travel distance gliding $L_g$ max.	150 m
Travel distance self-supporting $L_f$ max.	12 m
Travel distance vertical, hanging $L_{vh}$ max.	100 m
Travel distance vertical, standing $L_{vs}$ max.	6 m
Rotated 90°, self-supporting $L_{90f}$ max.	2 m
Speed, gliding $V_g$ max.	10 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	50 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	200 m/s <sup>2</sup>

Higher requirements on request

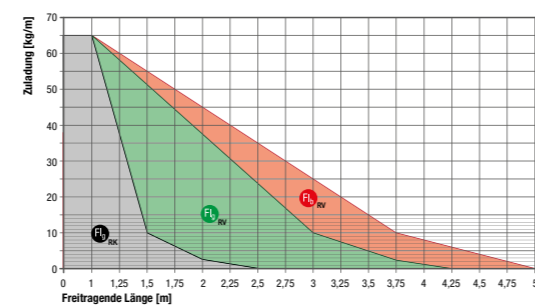
# MP 560 / MP 560 C

EVOCHAIN® MAX

GO TO PRODUCT



### Load diagram for self-supporting applications



### Technical data



**Loading side**  
Inside or outside bend



**Available radii**  
135 - 500 mm



**Available interior heights**  
56 mm  
**Available interior widths**  
With plastic crossbar  
65 - 400 mm  
with plastic cover  
100 - 300 mm



**Pitch**  
T = 91 mm



**EVOSILENCE®  
Noise damping in chain link**  
Reduction of noise emissions  
by up to  
10 dB(A) with damping  
elements in the  
chain links.



**EVOSHOCK®  
Damping shoe**  
Reduction of noise emissions  
by up to  
25 dB(A) in combination with  
damping elements in the  
chain links.

### Technical specifications

Travel distance gliding $L_g$ max.	150 m
Travel distance self-supporting $L_f$ max.	10 m
Travel distance vertical, hanging $L_{vh}$ max.	100 m
Travel distance vertical, standing $L_{vs}$ max.	6 m
Rotated 90°, self-supporting $L_{90f}$ max.	2 m
Speed, gliding $V_g$ max.	10 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	50 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	200 m/s <sup>2</sup>

Higher requirements on request

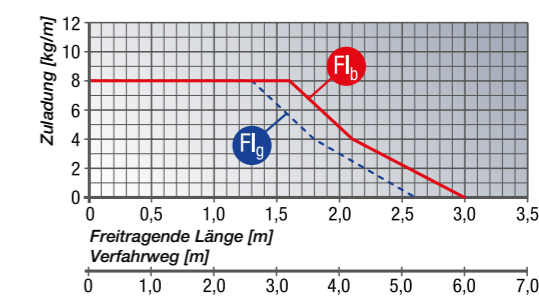
# MP 35.1 / MP 35.2

EVOCHAIN® PLUS

GO TO PRODUCT



### Load diagram for self-supporting applications



### Technical data



**Loading side**  
Inside or outside bend



**Available radii**  
63 - 250 mm



**Available interior heights**  
35 mm  
**Available interior widths**  
With plastic crossbar  
50 - 175 mm



**Pitch**  
T = 56 mm



**EVOSILENCE®  
Noise damping in chain link**  
Reduction of noise emissions  
by up to  
10 dB(A) with damping  
elements in the  
chain links.

### Technical specifications

Travel distance gliding $L_g$ max.	80 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	50 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	1 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	15 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	50 m/s <sup>2</sup>

Higher requirements on request



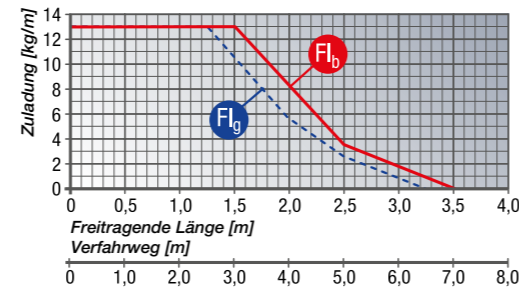
# MP 45.1 / MP 45.2

EVOCHAIN® PLUS

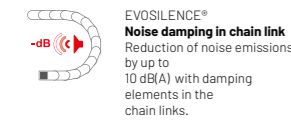
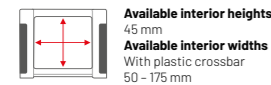
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding L <sub>g</sub> max.	80 m
Travel distance self-supporting L <sub>f</sub> max.	see diagram
Travel distance vertical, hanging L <sub>vh</sub> max.	60 m
Travel distance vertical, standing L <sub>vs</sub> max.	4 m
Rotated 90°, self-supporting L <sub>90f</sub> max.	1 m
Speed, gliding V <sub>g</sub> max.	5 m/s
Speed, self-supporting V <sub>f</sub> max.	20 m/s
Acceleration, gliding a <sub>g</sub> max.	15 m/s <sup>2</sup>
Acceleration, self-supporting a <sub>f</sub> max.	50 m/s <sup>2</sup>

Higher requirements on request

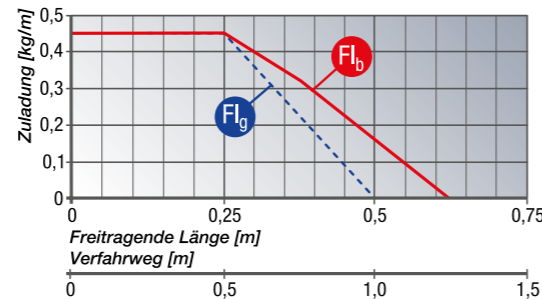
# MP 10.1

MULTILINE

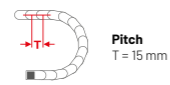
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding L <sub>g</sub> max.	10 m
Travel distance self-supporting L <sub>f</sub> max.	see diagram
Travel distance vertical, hanging L <sub>vh</sub> max.	2 m
Travel distance vertical, standing L <sub>vs</sub> max.	1 m
Rotated 90°, self-supporting L <sub>90f</sub> max.	not recommended
Speed, gliding V <sub>g</sub> max.	2 m/s
Speed, self-supporting V <sub>f</sub> max.	4 m/s
Acceleration, gliding a <sub>g</sub> max.	2 m/s <sup>2</sup>
Acceleration, self-supporting a <sub>f</sub> max.	2 m/s <sup>2</sup>

Higher requirements on request

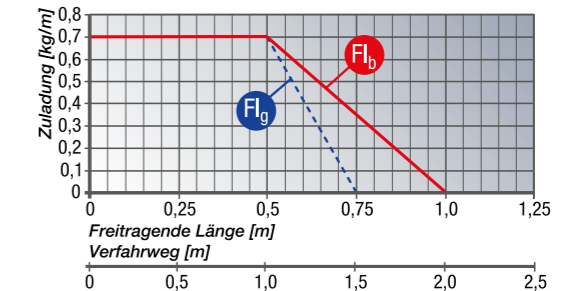
# MP 14

MULTILINE

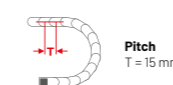
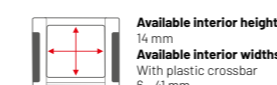
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding L <sub>g</sub> max.	12 m
Travel distance self-supporting L <sub>f</sub> max.	see diagram
Travel distance vertical, hanging L <sub>vh</sub> max.	3 m
Travel distance vertical, standing L <sub>vs</sub> max.	2 m
Rotated 90°, self-supporting L <sub>90f</sub> max.	not recommended
Speed, gliding V <sub>g</sub> max.	2 m/s
Speed, self-supporting V <sub>f</sub> max.	4 m/s
Acceleration, gliding a <sub>g</sub> max.	2 m/s <sup>2</sup>
Acceleration, self-supporting a <sub>f</sub> max.	2 m/s <sup>2</sup>

Higher requirements on request

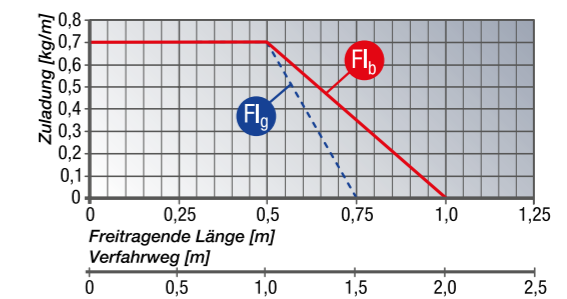
# MP 15

MULTILINE

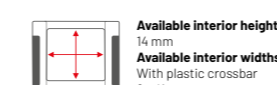
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding L <sub>g</sub> max.	12 m
Travel distance self-supporting L <sub>f</sub> max.	see diagram
Travel distance vertical, hanging L <sub>vh</sub> max.	3 m
Travel distance vertical, standing L <sub>vs</sub> max.	2 m
Rotated 90°, self-supporting L <sub>90f</sub> max.	not recommended
Speed, gliding V <sub>g</sub> max.	2 m/s
Speed, self-supporting V <sub>f</sub> max.	4 m/s
Acceleration, gliding a <sub>g</sub> max.	2 m/s <sup>2</sup>
Acceleration, self-supporting a <sub>f</sub> max.	2 m/s <sup>2</sup>

Higher requirements on request



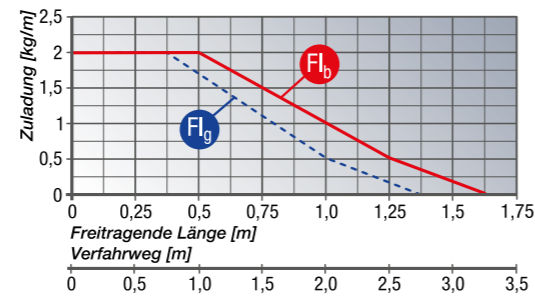
## MP 18.1 / MP 18.2

MULTILINE

GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



Loading side  
Inside or outside bend



Available radii  
28 - 78 mm



Available interior heights  
18 mm  
Available interior widths  
With plastic crossbar  
15 - 70 mm



Pitch  
T = 33 mm

### Technical specifications

Travel distance gliding $L_g$ max.	20 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	8 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	0.5 m
Speed, gliding $V_g$ max.	2 m/s
Speed, self-supporting $V_f$ max.	5 m/s
Acceleration, gliding $a_g$ max.	5 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	5 m/s <sup>2</sup>

Higher requirements on request

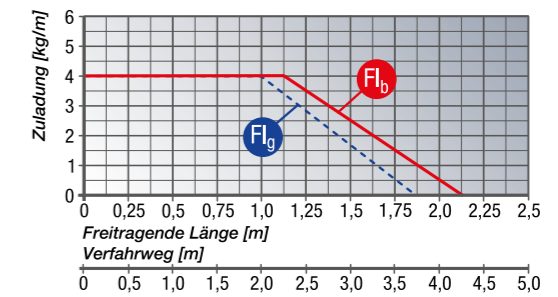
## MP 3000

MULTILINE

GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



Loading side  
Inside bend



Available radii  
50 - 300 mm



Available interior heights  
26 mm  
Available interior widths  
With plastic crossbar  
26 - 125 mm



Pitch  
T = 45 mm

### Technical specifications

Travel distance gliding $L_g$ max.	not recommended
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	40 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	0.7 m
Speed, gliding $V_g$ max.	3 m/s
Speed, self-supporting $V_f$ max.	6 m/s
Acceleration, gliding $a_g$ max.	10 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	15 m/s <sup>2</sup>

Higher requirements on request

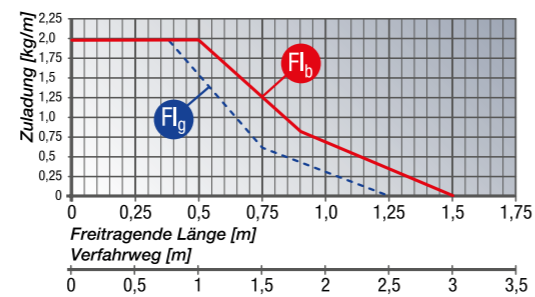
## MP 20.2

MULTILINE

GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



Loading side  
Inside bend



Available radii  
38 - 125 mm



Available interior heights  
21 mm  
Available interior widths  
15 - 50 mm



Pitch  
T = 35 mm

### Technical specifications

Travel distance gliding $L_g$ max.	not recommended
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	8 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	0.5 m
Speed, self-supporting $V_f$ max.	10 m/s
Acceleration, self-supporting $a_f$ max.	10 m/s <sup>2</sup>

Higher requirements on request

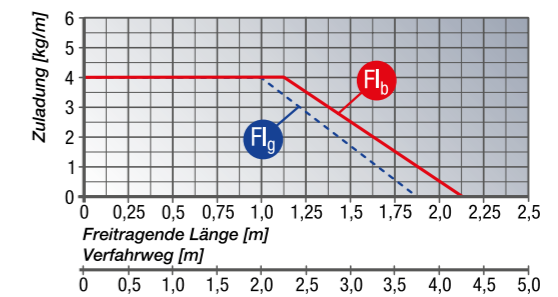
## MP 25 G

MULTILINE

GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



Loading side  
Outside bend



Available radii  
60 - 250 mm



Available interior heights  
25 mm  
Available interior widths  
With plastic crossbar  
26 - 125 mm



Pitch  
T = 30 mm

### Technical specifications

Travel distance gliding $L_g$ max.	40 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	25 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	1 m
Speed, gliding $V_g$ max.	3 m/s
Speed, self-supporting $V_f$ max.	6 m/s
Acceleration, gliding $a_g$ max.	10 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	15 m/s <sup>2</sup>

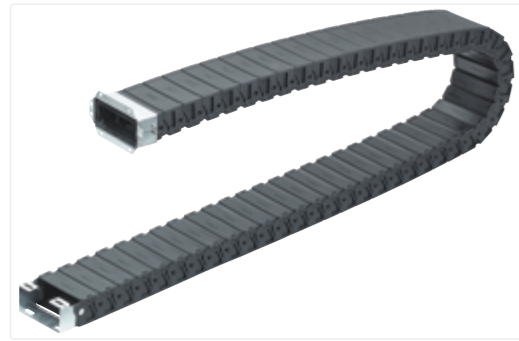
Higher requirements on request



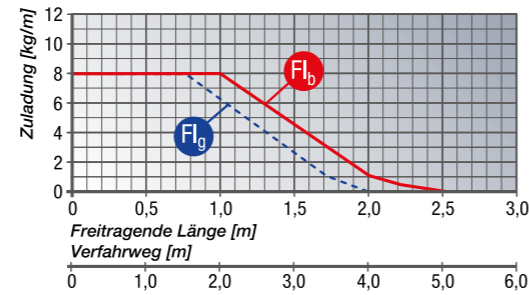
## MP 36 G

MULTILINE

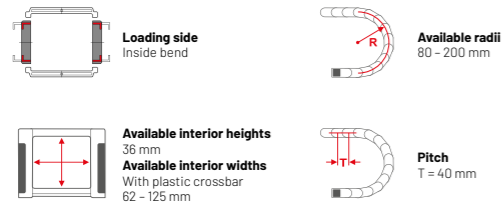
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding $L_g$ max.	60 m
Travel distance self-supporting $L_l$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	30 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	1 m
Speed, gliding $V_g$ max.	3 m/s
Speed, self-supporting $V_l$ max.	10 m/s
Acceleration, gliding $a_g$ max.	15 m/s <sup>2</sup>
Acceleration, self-supporting $a_l$ max.	20 m/s <sup>2</sup>

Higher requirements on request

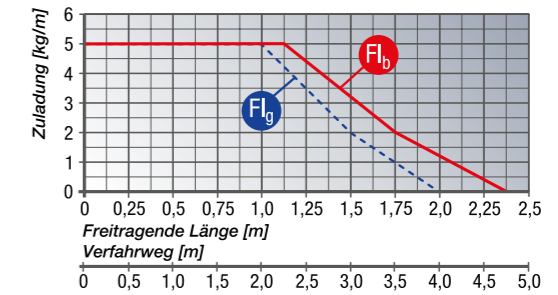
## MP 30.1 / MP 30.2 / MP 30.3 / MP 30.4

MODULLINE

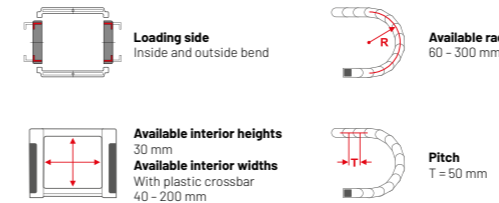
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

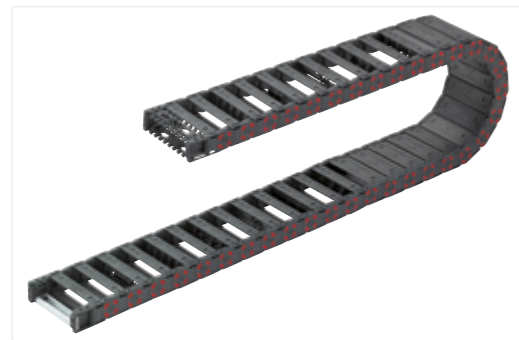
Travel distance gliding $L_g$ max.	40 m
Travel distance self-supporting $L_l$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	30 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	0.7 m
Speed, gliding $V_g$ max.	3 m/s
Speed, self-supporting $V_l$ max.	10 m/s
Acceleration, gliding $a_g$ max.	10 m/s <sup>2</sup>
Acceleration, self-supporting $a_l$ max.	15 m/s <sup>2</sup>

Higher requirements on request

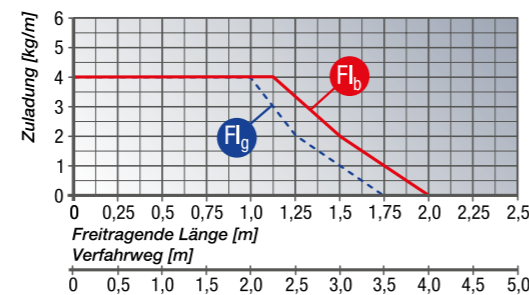
## MP 25.1 / MP 25.2 MP 25.3 / MP 25.4

MODULLINE

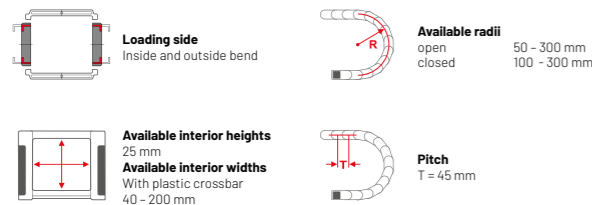
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding $L_g$ max.	35 m
Travel distance self-supporting $L_l$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	25 m
Travel distance vertical, standing $L_{vs}$ max.	3 m
Rotated 90°, self-supporting $L_{90f}$ max.	0.7 m
Speed, gliding $V_g$ max.	3 m/s
Speed, self-supporting $V_l$ max.	10 m/s
Acceleration, gliding $a_g$ max.	10 m/s <sup>2</sup>
Acceleration, self-supporting $a_l$ max.	15 m/s <sup>2</sup>

Higher requirements on request

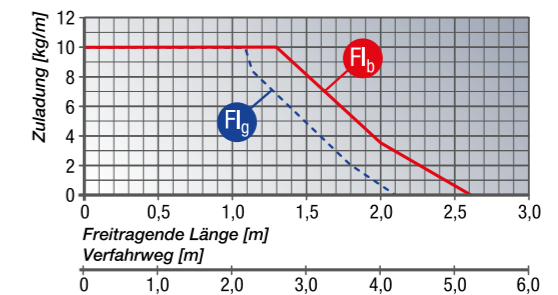
## MP 32.2 / MP 32.3

POWERLINE

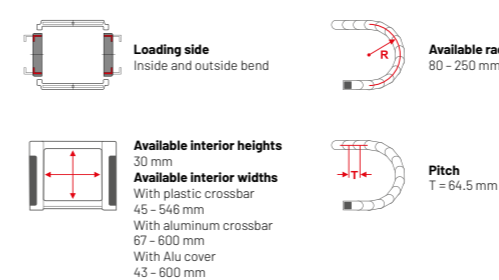
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding $L_g$ max.	100 m
Travel distance self-supporting $L_l$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	40 m
Travel distance vertical, standing $L_{vs}$ max.	5 m
Rotated 90°, self-supporting $L_{90f}$ max.	1 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_l$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_l$ max.	30 m/s <sup>2</sup>

Higher requirements on request



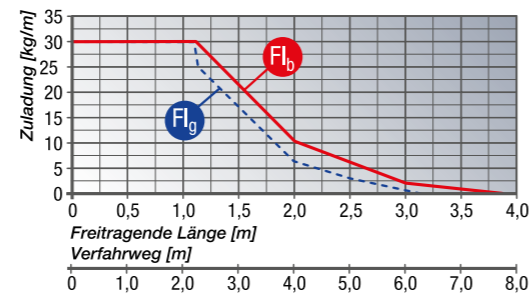
# MP 41.2 / MP 41.3

POWERLINE

GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



**Loading side**  
Inside and outside bend



**Available radii**  
90 - 350 mm



**Available interior heights**  
38 mm  
**Available interior widths**  
With plastic crossbar  
45 - 546 mm  
With aluminum crossbar  
67 - 600 mm  
With Alu cover  
43 - 600 mm



**Pitch**  
T = 77 mm

### Technical specifications

Travel distance gliding $L_g$ max.	120 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	50 m
Travel distance vertical, standing $L_{vs}$ max.	6 m
Rotated 90°, self-supporting $L_{90f}$ max.	1 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	30 m/s <sup>2</sup>

Higher requirements on request

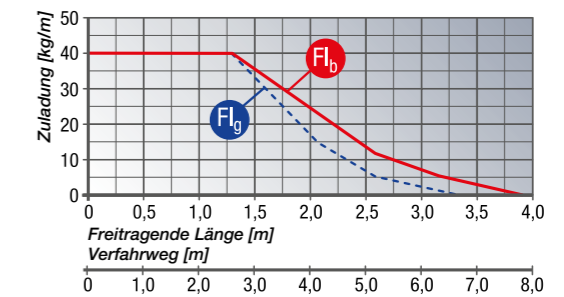
# MP 52.4 / MP 52.5

POWERLINE

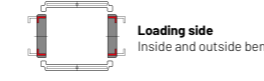
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



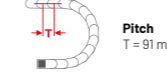
**Loading side**  
Inside and outside bend



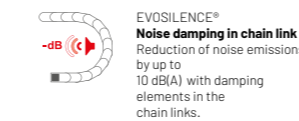
**Available radii**  
100 - 350 mm



**Available interior heights**  
52 mm  
**Available interior widths**  
With plastic crossbar  
45 - 546 mm



**Pitch**  
T = 91 mm



**EVOSILENCE®**  
**Noise damping in chain link**  
Reduction of noise emissions  
by up to  
10 dB(A) with damping  
elements in the  
chain links.

### Technical specifications

Travel distance gliding $L_g$ max.	50 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	50 m
Travel distance vertical, standing $L_{vs}$ max.	4 m
Rotated 90°, self-supporting $L_{90f}$ max.	1 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	30 m/s <sup>2</sup>

Higher requirements on request

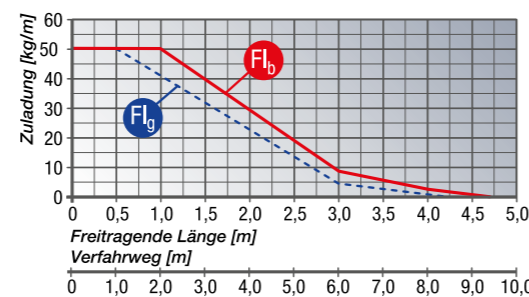
# MP 52.2 / MP 52.3

POWERLINE

GO TO PRODUCT



Load diagram for self-supporting applications



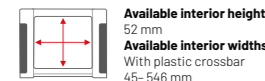
### Technical data



**Loading side**  
Inside and outside bend



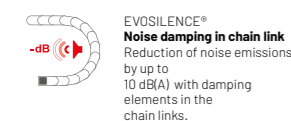
**Available radii**  
100 - 350 mm



**Available interior heights**  
52 mm  
**Available interior widths**  
With plastic crossbar  
45 - 546 mm



**Pitch**  
T = 91 mm



**EVOSILENCE®**  
**Noise damping in chain link**  
Reduction of noise emissions  
by up to  
10 dB(A) with damping  
elements in the  
chain links.

### Technical specifications

Travel distance gliding $L_g$ max.	150 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	60 m
Travel distance vertical, standing $L_{vs}$ max.	6 m
Rotated 90°, self-supporting $L_{90f}$ max.	2 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	30 m/s <sup>2</sup>

Higher requirements on request

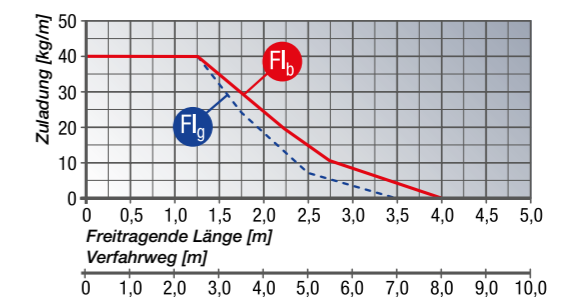
# MP 62.4

POWERLINE

GO TO PRODUCT



Load diagram for self-supporting applications



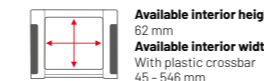
### Technical data



**Loading side**  
Inside and outside bend



**Available radii**  
135 - 300 mm



**Available interior heights**  
62 mm  
**Available interior widths**  
With plastic crossbar  
45 - 546 mm



**Pitch**  
T = 91 mm



**EVOSILENCE®**  
**Noise damping in chain link**  
Reduction of noise emissions  
by up to  
10 dB(A) with damping  
elements in the  
chain links.

### Technical specifications

Travel distance gliding $L_g$ max.	50 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	50 m
Travel distance vertical, standing $L_{vs}$ max.	4 m
Rotated 90°, self-supporting $L_{90f}$ max.	1 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	30 m/s <sup>2</sup>

Higher requirements on request



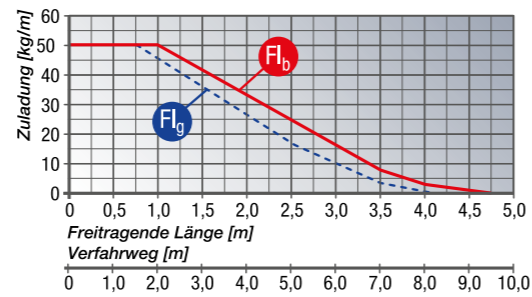
## MP 62.2 / MP 62.3

HEAVYLINE

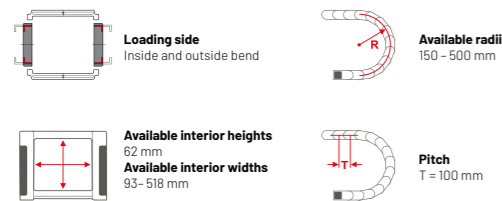
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding $L_g$ max.	150 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	65 m
Travel distance vertical, standing $L_{vs}$ max.	6 m
Rotated 90°, self-supporting $L_{90f}$ max.	4 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	40 m/s <sup>2</sup>

Higher requirements on request

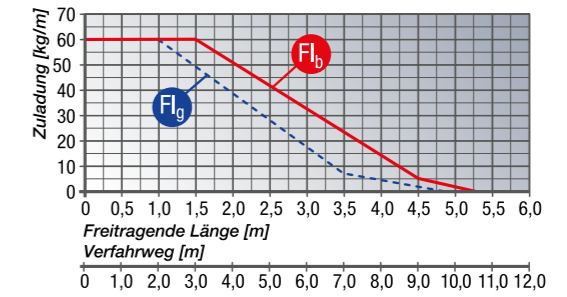
## MP 102.2

HEAVYLINE

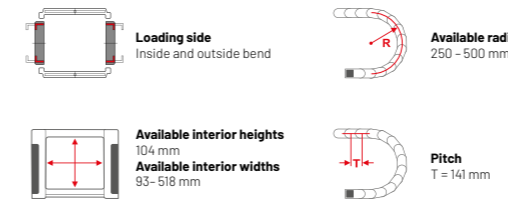
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



### Technical specifications

Travel distance gliding $L_g$ max.	150 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	80 m
Travel distance vertical, standing $L_{vs}$ max.	8 m
Rotated 90°, self-supporting $L_{90f}$ max.	8 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	40 m/s <sup>2</sup>

Higher requirements on request

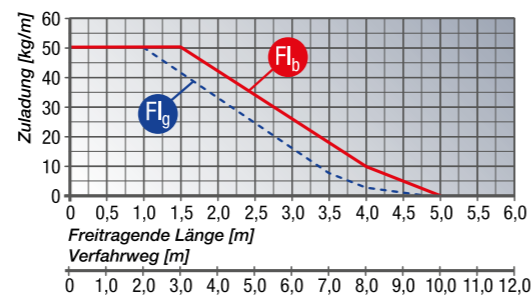
## MP 82.2 / MP 82.3

HEAVYLINE

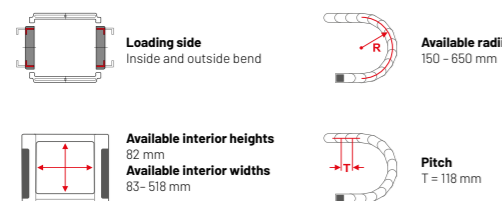
GO TO PRODUCT



Load diagram for self-supporting applications



### Technical data



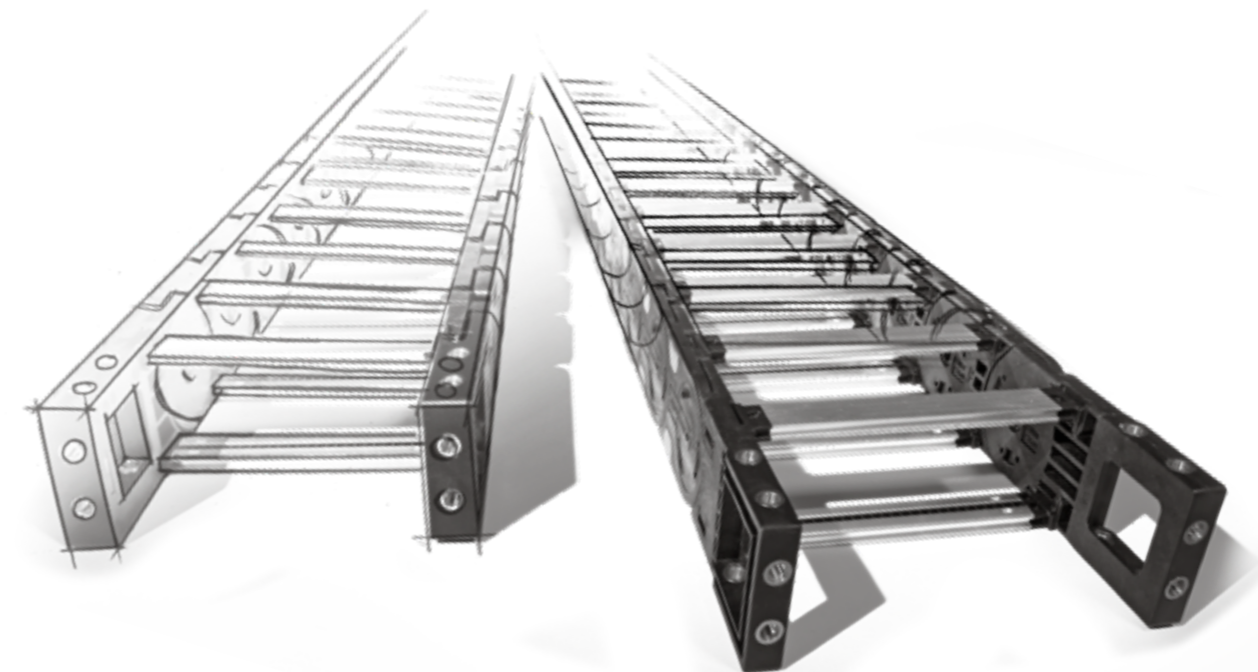
### Technical specifications

Travel distance gliding $L_g$ max.	150 m
Travel distance self-supporting $L_f$ max.	see diagram
Travel distance vertical, hanging $L_{vh}$ max.	80 m
Travel distance vertical, standing $L_{vs}$ max.	6 m
Rotated 90°, self-supporting $L_{90f}$ max.	3 m
Speed, gliding $V_g$ max.	5 m/s
Speed, self-supporting $V_f$ max.	20 m/s
Acceleration, gliding $a_g$ max.	25 m/s <sup>2</sup>
Acceleration, self-supporting $a_f$ max.	40 m/s <sup>2</sup>

Higher requirements on request

# Energy chain configurator

Convenient online configuration options for all murrplastik® energy chains



More info at [mymppchain.com](http://mymppchain.com)

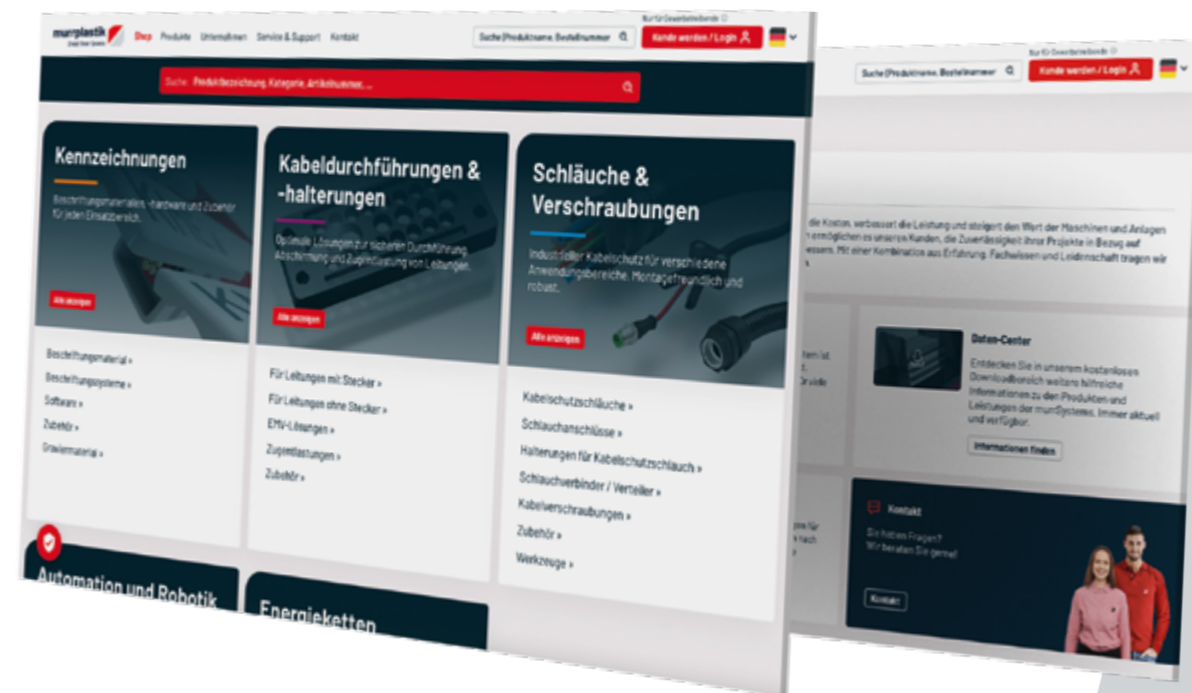




Webshop

# Simply Smart Systems shop.murrplastik.de

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- ✔ **Service & Support** – If you have any questions, our team of experts is always ready to help



The brand **murrplastik**<sup>®</sup>

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