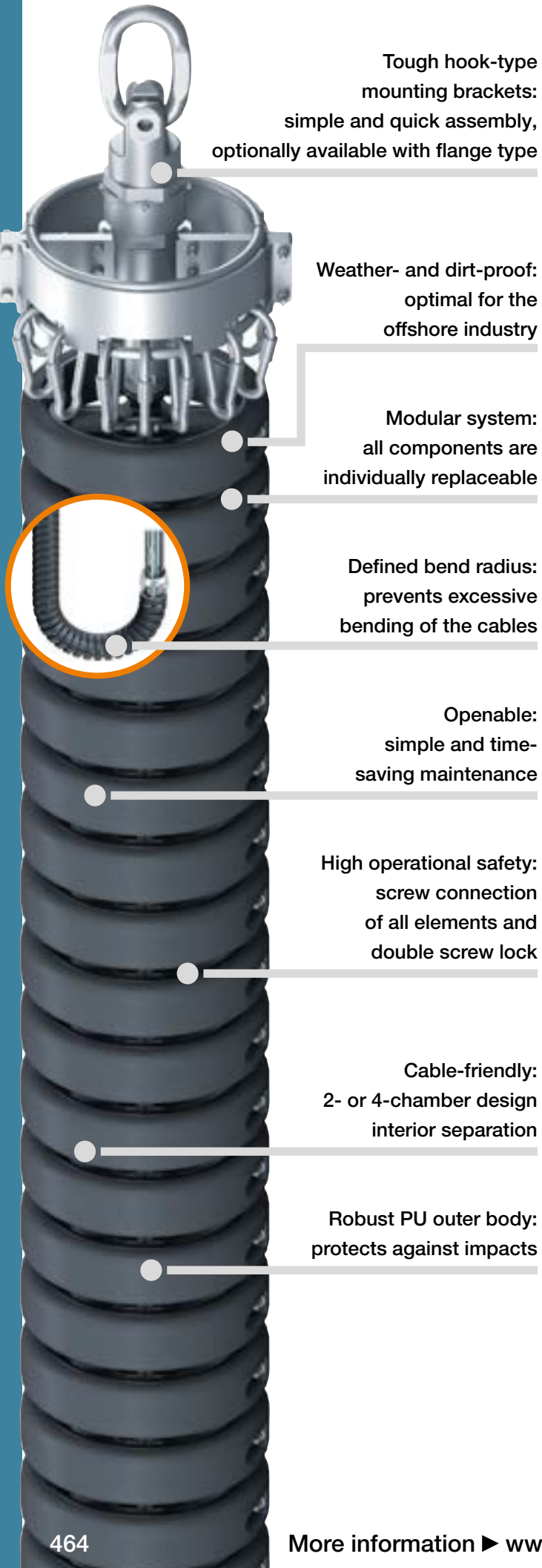




Safe cable guidance for hanging applications - e-loop®

To guide cables safely in hanging applications, igus® has developed the e-loop® as an alternative to the service loop - perfectly suited for multi-axis applications. The e-loop® combines the advantages of a plastic energy chain with those of a high-strength pull rope. Inside the e-chain®, the pull rope transfers the tensile force to the hook-type mounting brackets and the structure. The cable package inside the e-loop® thus only carries its own weight. The modular e-chain® made of high-performance plastic always provides a defined bend radius and easily copes with vibration and impacts.

Benefits

- Alternative to the service loop - available as a dynamic version with crossbars every link and as a static version with crossbars every 2nd link, e.g. on the cable routing from the drilling rig down to the drill floor
- Maximum cable or hose diameters: 108mm
- Secondary locking tension for all bolted connections offers great operational reliability
- Hook-type mounting brackets also available in stainless steel

Typical application areas

- Offshore
- Oil and gas industry
- Shore power connections
- Construction machinery
- Wind turbines

Selection table

Part No.	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Bend radius <i>R</i> [mm]	Max. cable ø [mm]	Fill weight [kg/m] ¹⁾	Page
D / TD versions - dynamic, crossbars every link - for all moving applications						
ELP.220	150	220	380	38	50	466
ELP.300	230	300	500	75	50	467
ELP.TD.300*	230	300	500	75	50	468
ELP.430	360	430	680	108	70	469

S version - static, with crossbars every 2nd link - for purely static cable guidance

ELP.220	150	220	175	38	50	466
ELP.300	230	300	210	75	50	467

*ELP.TD - available with four-piece design for even faster assembly. Optimised for top drives.

1) Max. fill weight per metre for chain lengths of up to 50m.

Technical data

General properties		
Speed		≤ 3.0 m/s
Acceleration <i>FL_B</i>		≤ 2.5 m/s²
Permitted temperature °C		-30°C / +50°C

**Note:** This type of system should be designed in conjunction with our engineering team.
All information on this page is for guidance only.
Please contact us at ► www.igus.eu/contact

Further solutions for shore power

e-dispenser - reduces costs and is environmentally friendly

- Modular and compact system
- Modular system: ready-to-install triflex® R e-chains® energy supply unit incl. cables & connectors; optional: drive; optional: additional steel structure
- Flexible in terms of extension length and installation options
- Fail-safe thanks to cable protection with TRC.125 triflex® R e-chain®
- Defined minimum bend radius



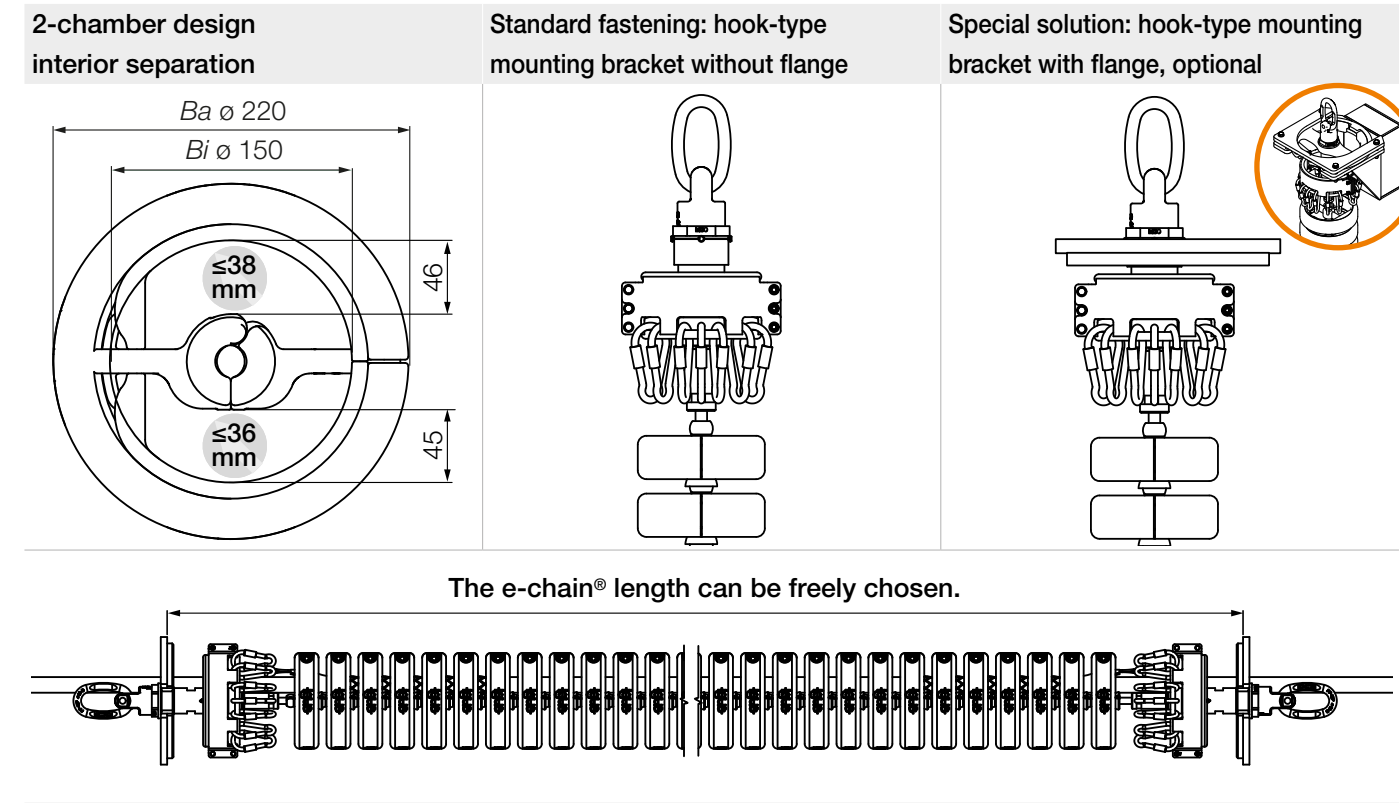
Product range



Part No. dynamic, crossbars every link	Part No. static, with crossbars every 2nd link	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Bend radius <i>R</i> [mm]	Max. cable ø [mm]	Max. fill weight [kg/m] ¹⁾	Version .D .S [kg/m]
ELP.220.01.D	ELP.220.01.S	150	220	380	38	50	≈ 18.0 ≈ 11.0

1) Max. fill weight per metre for chain lengths of up to 50m.

Installation dimensions | Overview



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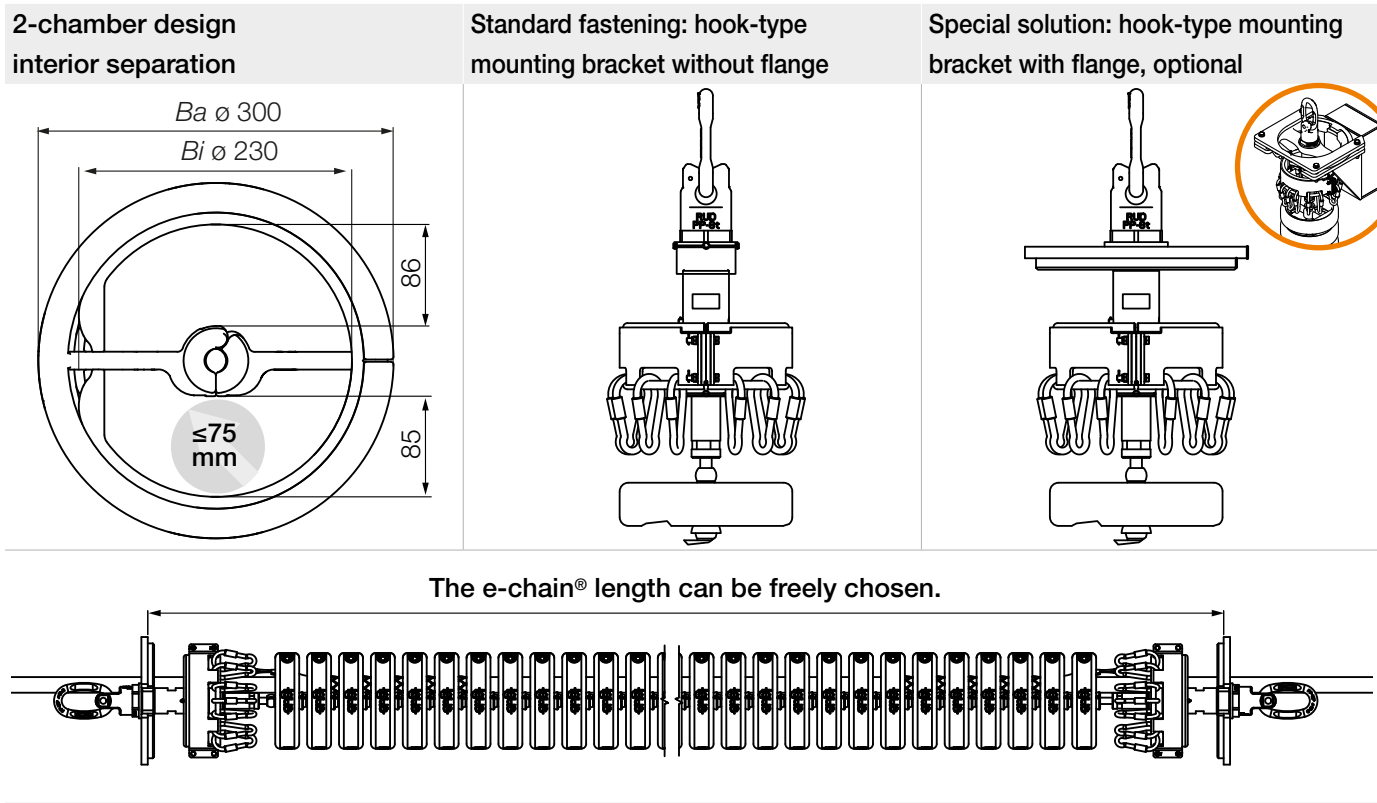
Product range



Part No. dynamic, crossbars every link	Part No. static, with crossbars every 2nd link	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Bend radius <i>R</i> [mm]	Max. cable ø [mm]	Max. fill weight [kg/m] ¹⁾	Version .D .S [kg/m]
ELP.300.01.D	ELP.300.01.S	230	300	500	75	50	≈ 22.0 ≈ 13.0

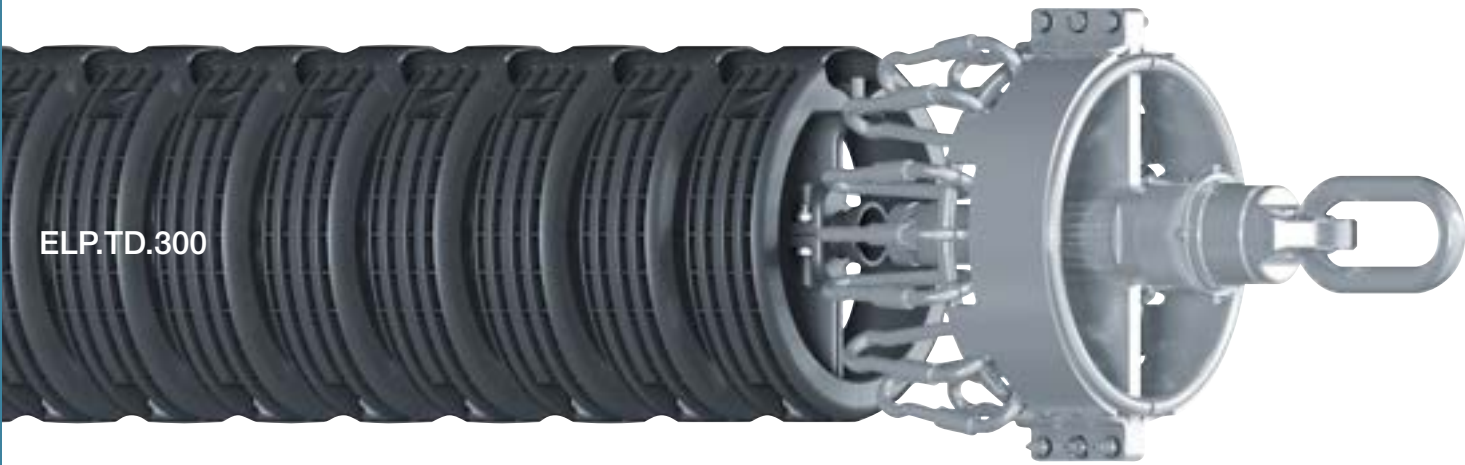
1) Max. fill weight per metre for chain lengths of up to 50m.

Installation dimensions | Overview



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Product range | Optimised for top drives



Part No. dynamic, crossbars every link	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Bend radius <i>R</i> [mm]	Max. cable ø [mm]	Max. fill weight [kg/m] ¹⁾	Version .TD [kg/m]
ELP.TD.300	230	300	500	75	50	≈ 19.0

1) Max. fill weight per metre for chain lengths of up to 50m.

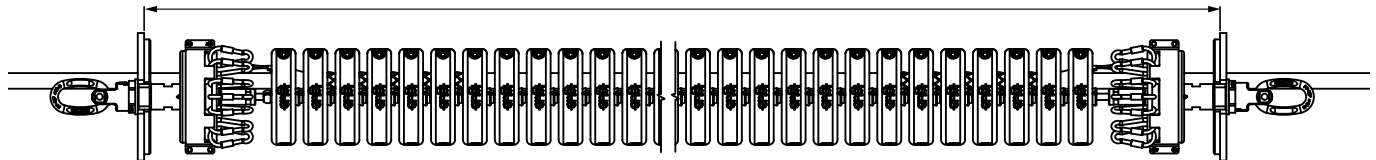
Installation dimensions | Overview

2-chamber design
interior separation

Standard fastening: hook-type
mounting bracket without flange

Special solution: hook-type mounting
bracket with flange, optional

The e-chain® length can be freely chosen.



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Product range



Part No. dynamic, crossbars every link	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Bend radius <i>R</i> [mm]	Max. cable ø [mm]	Max. fill weight [kg/m] ¹⁾	Version .D [kg/m]
ELP. 430.01.D	360	430	680	108	70	≈ 30.0

1) Max. fill weight per metre for chain lengths of up to 50m.

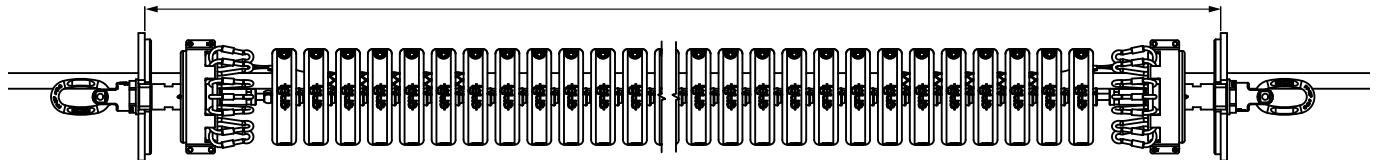
Installation dimensions | Overview

4-chamber design
interior separation

Standard fastening: hook-type
mounting bracket without flange

Special solution: hook-type mounting
bracket with flange, optional

The e-chain® length can be freely chosen.



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