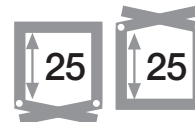


2400
2500**E2/000 | e-chains® 2400·2500 | Product range**

Allrounder, high strength



e-chains® | 2400 snap-open along inner radius from both sides

e-chains® | 2500 snap-open along outer radius from both sides | Standard

e-chains® snap-open along the inner radius	e-chains® snap-open along the outer radius	Standard	Bi [mm]	Ba [mm]	R Bend radii [mm]	2400 [kg/m]	2500 [kg/m]
2400. 02 .R.0	2500. 02 .R.0 ¹⁾		25	41	055 075 100 125 150 175 200 225 250	≈ 0,77	≈ 0,77
2400. 03 .R.0	2500. 03 .R.0 ¹⁾		38	54	055 075 100 125 150 175 200 225 250	≈ 0,83	≈ 0,83
2400. 05 .R.0	2500. 05 .R.0 ¹⁾		57	73	055 075 100 125 150 175 200 225 250	≈ 0,91	≈ 0,91
2400. 07 .R.0	2500. 07 .R.0 ¹⁾		77	93	055 075 100 125 150 175 200 225 250	≈ 1,01	≈ 1,01
2400. 09 .R.0	2500. 09 .R.0 ¹⁾		89	105	055 075 100 125 150 175 200 225 250	≈ 1,08	≈ 1,08
2400. 10 .R.0	2500. 10 .R.0 ¹⁾		103	119	055 075 100 125 150 175 200 225 250	≈ 1,15	≈ 1,15
2400. 12 .R.0	2500. 12 .R.0 ¹⁾		125	141	055 075 100 125 150 175 200 225 250	≈ 1,22	≈ 1,22

1) ⚠ ESD/ATEX version available from stock

Half e-tubes, series 2450 and full e-tube series 2480 ► from page 292

Non snap-open e-chains® E2 medium classics, series 200 ► www.igus.eu/200

Supplement Part No. with required radius (R). Example: 2500.03.100.0

ESD/ATEX permanently conductive e-chains® - 2500 several widths with delivery from stock:
inner widths Bi 25 - 125, radii R 055 - 175. Full ESD product range ► www.igus.eu/ESD**Open e-chains® in a flash with the igus® e-chain® opener**

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® opener. Open a long piece of e-chain® in one go. Part No. 908.254.2400 for series 2400/2500. For widths Bi [mm]: 05, 07, 09

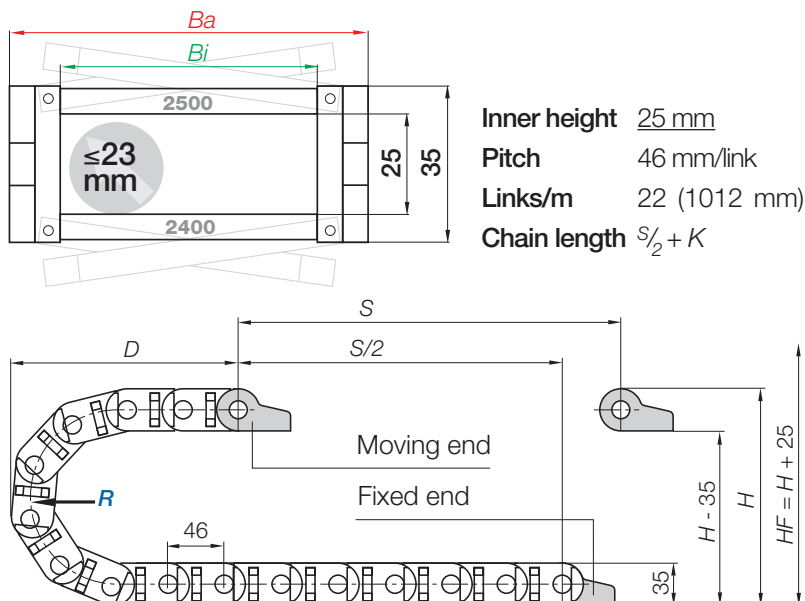
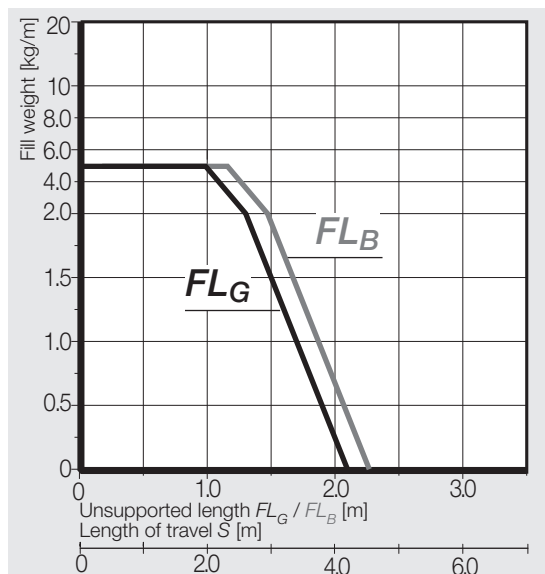
More information ► www.igus.eu/savetime

E2/000 | e-chains® 2400·2500 | Dimensions



2400
2500

Unsupported applications | Short travels

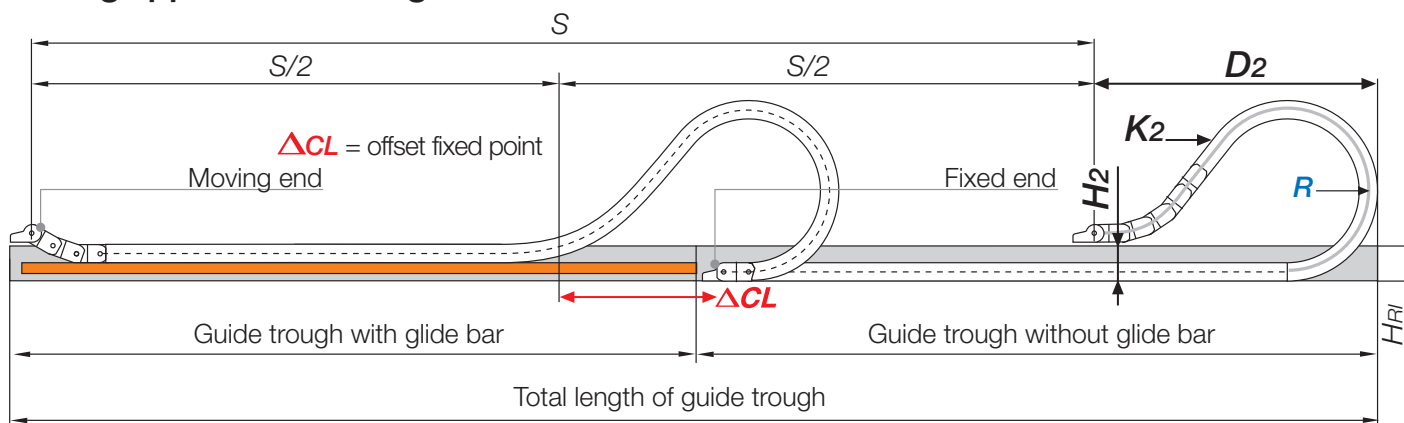


R	055	075	100	125	150	175	200	225	250
H	145	185	235	285	335	385	435	485	535
D	142	162	187	212	237	262	287	312	337
K	265	330	410	485	565	645	725	800	880

The required clearance height: $H_F = H + 25$ mm (with 1,5 kg/m fill weight)

Before using series 2400 on long travels please consult igus®.

Gliding applications | Long travels from 10 m to max. 100 m



Note: for long travel (gliding) applications, please consult igus®.

For long travels, igus® specifies series **2500** that snaps open along the outer radius.

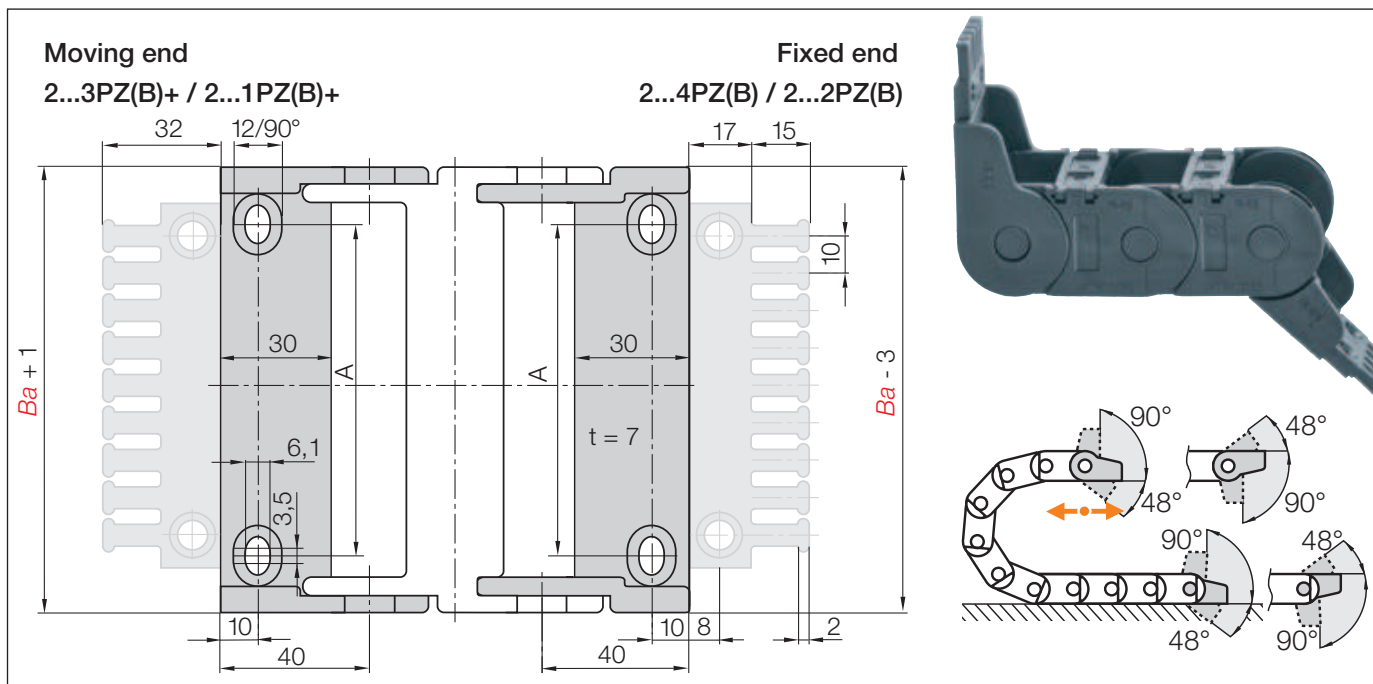
In case of travels between 4 and 10 m we recommend a longer unsupported length. **Chain length** $S/2 + K_2$

R	055	075	100	125	150	175	200	225	250
H ₂	110	150	100	100	100	100	100	100	100
D ₂ ⁺²⁵	142	162	380	440	590	755	950	1040	1130
K ₂	265	330	644	736	1012	1242	1472	1610	1794
ΔCL	—	—	204	244	364	504	674	754	804

Before using series 2400 on long travels please consult igus®.

E2/000 | e-chains® 2400·2500 | Accessories

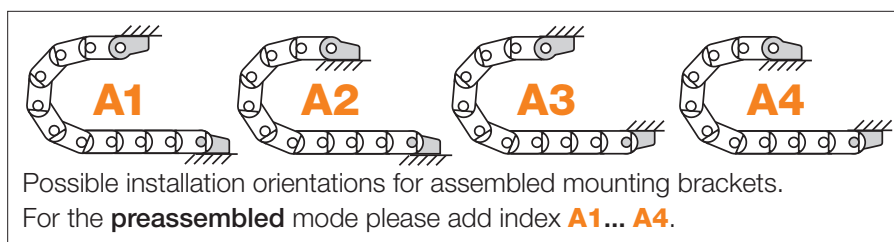
Mounting brackets, polymer | Pivoting | Locking



Polymer pivoting | Recommended for unsupported and gliding applications | **Standard Polymer locking** | Recommended for vertical hanging and standing applications

Width Index	Standard	Part No. full set pivoting with tie-wrap plates	without tie-wrap plates	Part No. full set locking with tie-wrap plates	without tie-wrap plates	A [mm]	Number of teeth
.02.	▶	2020.34PZB+	2020.34PZ+	2020.12PZB+	2020.12PZ+	12	3
.03.	▶	2030.34PZB+	2030.34PZ+	2030.12PZB+	2030.12PZ+	25	4
.05.	▶	2050.34PZB+	2050.34PZ+	2050.12PZB+	2050.12PZ+	44	6
.07.	▶	2070.34PZB+	2070.34PZ+	2070.12PZB+	2070.12PZ+	64	8
.09.	▶	2090.34PZB+	2090.34PZ+	2090.12PZB+	2090.12PZ+	77	9
.10.	▶	2100.34PZB+	2100.34PZ+	2100.12PZB+	2100.12PZ+	90	10
.12.	▶	2125.34PZB+	2125.34PZ+	2125.12PZB+	2125.12PZ+	112	12

Full set with tie-wrap plate + 10 cable tie-wraps, please add index **K1+** ▶ e.g. 2020.34PZBK1+



Part No. structure

2020. 34 PZB+ **A1**



A...must be indicated on preassembled configurations

With strain relief tie-wrap plates

Full set pivoting = 34

Mounting bracket for selected width index

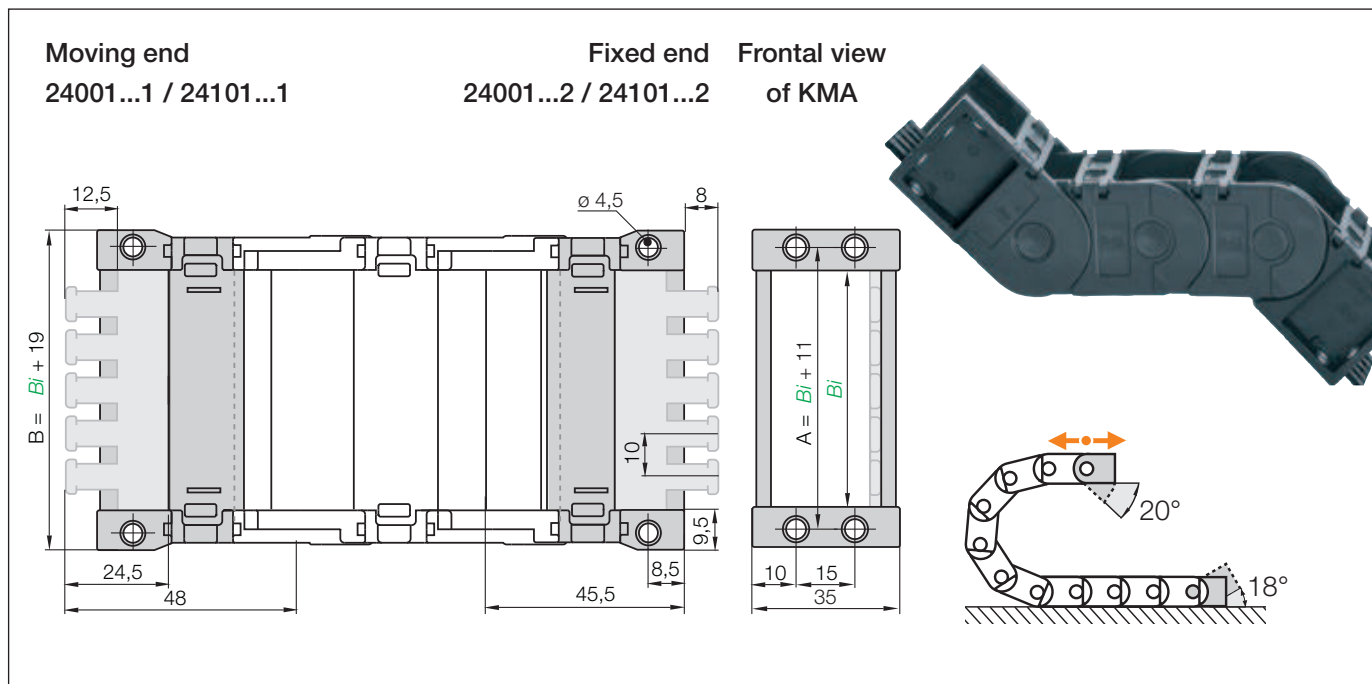


Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 656

E2/000 | e-chains® 2400·2500 | Accessories

2400
2500

KMA mounting brackets | Attachment from any side | Pivoting | Locking

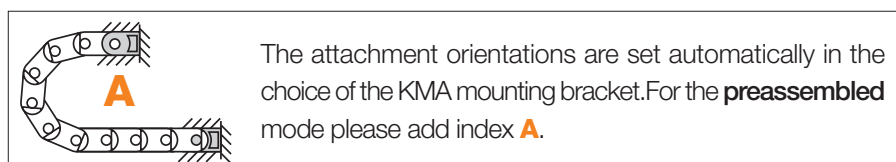


KMA pivoting | Recommended for unsupported and gliding applications

KMA locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set KMA pivoting with tie-wrap plates without tie-wrap plates	Part No. full set KMA locking with tie-wrap plates without tie-wrap plates	A [mm]	B [mm]	Number of teeth
.02. ▶	24001.02.12ZB 24001.02.12	24101.02.12ZB 24101.02.12	36	44	2
.03. ▶	24001.03.12ZB 24001.03.12	24101.03.12ZB 24101.03.12	49	57	4
.05. ▶	24001.05.12ZB 24001.05.12	24101.05.12ZB 24101.05.12	68	76	6
.07. ▶	24001.07.12ZB 24001.07.12	24101.07.12ZB 24101.07.12	88	86	7
.09. ▶	24001.09.12ZB 24001.09.12	24101.09.12ZB 24101.09.12	100	108	9
.10. ▶	24001.10.12ZB 24001.10.12	24101.10.12ZB 24101.10.12	114	122	10
.12. ▶	24001.12.12ZB 24001.12.12	24101.12.12ZB 24101.12.12	136	144	12

(KMA = Polymer Metal Mounting Bracket)



The attachment orientations are set automatically in the choice of the KMA mounting bracket. For the **preassembled** mode please add index **A**.

Part No. structure

24001. 02. 12ZB A

A...must be indicated on preassembled configurations

Full set with strain relief tie-wrap plates
Width index

KMA pivoting



Option: steel **pivoting** Part No. 2000.32 - for e-chains® and e-tubes available

● Pivoting connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

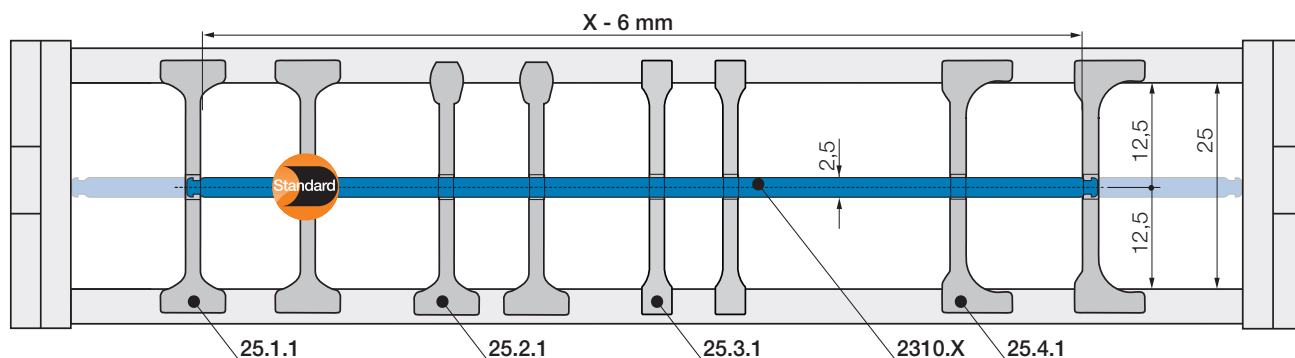
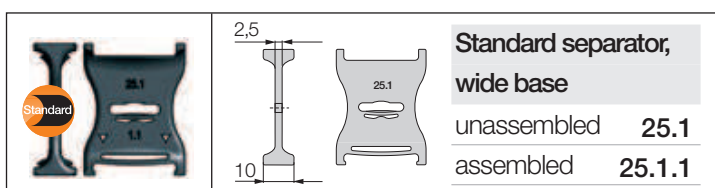


Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 656

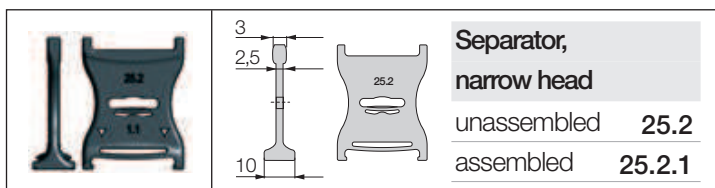
2400
2500

E2/000 | e-chains® 2400·2500 | Accessories

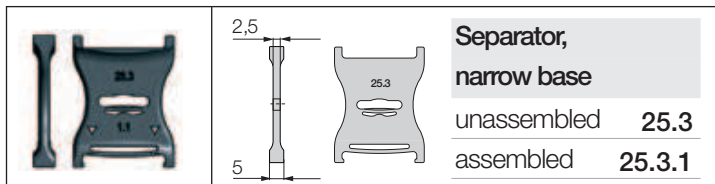
Interior separation | New generation

Previous interior separation with optional elements ► www.igus.eu/2400 ► www.igus.eu/2500**No lateral spacing to side links necessary.**As standard separators are assembled every 2nd e-chain® link.**Standard - for any application**

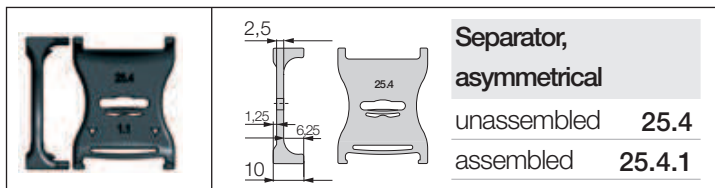
Separator with a wide base for maximum holding strength in the e-chain®.

**For even faster installation**

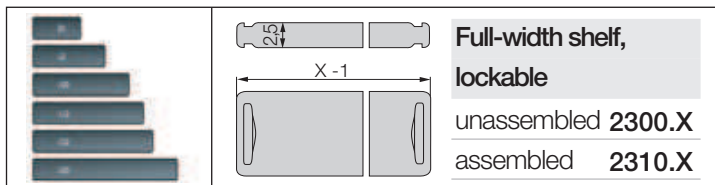
Wide on one side for high holding strength, narrow on opposite side for easy cable fitting.

**For thin cables**

Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains®.

**For side-mounted applications**

Asymmetrical separator, for defined distance. No additional spacers required.

**Horizontal separation**

Full-width shelf locks securely into separators at both ends, giving a fixed width. Separators can be moved freely over the shelf in horizontal direction. Can be fitted at one height.

Lockable full-width shelves

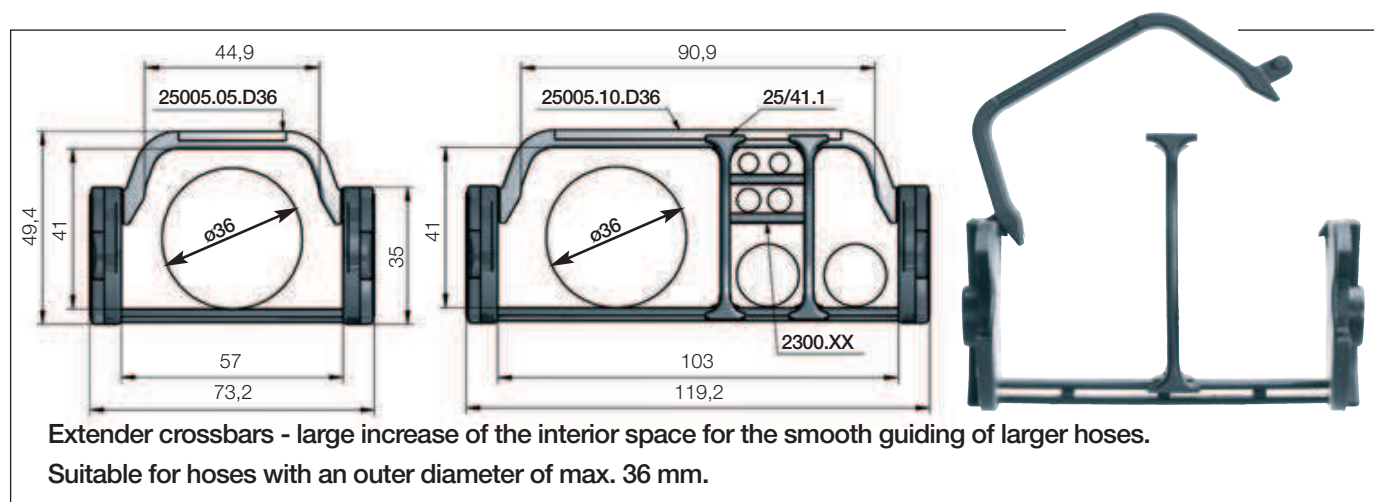
Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
015	2300.015	2310.015	060	2300.060	2310.060	087	2300.087	2310.087
025	2300.025	2310.025	062	2300.062	2310.062	090	2300.090	2310.090
030	2300.030	2310.030	065	2300.065	2310.065	100	2300.100	2310.100
038	2300.038	2310.038	070	2300.070	2310.070	103	2300.103	2310.103
040	2300.040	2310.040	075	2300.075	2310.075	110	2300.110	2310.110
050	2300.050	2310.050	077	2300.077	2310.077	120	2300.120	2310.120
057	2300.057	2310.057	080	2300.080	2310.080	125	2300.125	2310.125



e-chains® 2400·2500 | Further accessories

2400
2500

Extender crossbars

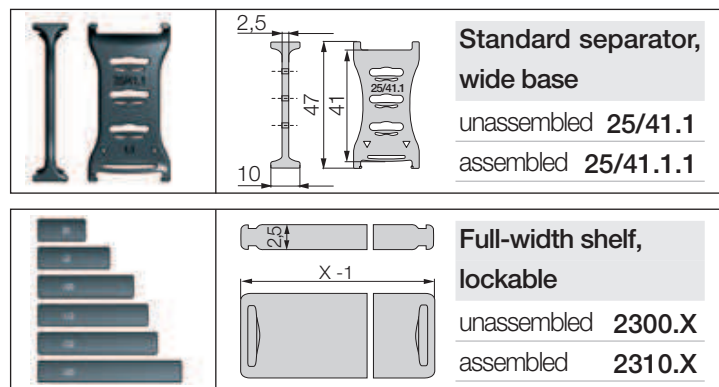


Extender crossbars for e-chains® snap-open along the inner radius	Extender crossbars for e-chains® snap-open along the outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bend radii [mm]
2400.05 D36.R.0	2500.05 D36.R.0	57	73	055* 075 100 125 150 175 200 225 250
2400.10 D36.R.0	2500.10 D36.R.0	103	119	055* 075 100 125 150 175 200 225 250

*Radius 055 only possible with e-chains® series 2500

Supplement Part No. with required radius (*R*). Example: 2500.05D36.100.0

Interior separation for extender crossbars



Standard separator, wide base

For maximum holding strength and safe standing. In standard configuration separators are assembled every 2nd link.

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Separators can be moved freely over the shelf in horizontal direction. Can be fitted at 3 different heights.

Separator with integrated strain relief

Strain relief separator Part No. 2020.Z can be integrated into the mounting bracket and can be placed at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last e-chain® link and is easy to assemble without any screws. **More information ► from page 676**



Optional: support tray kit - for support of the lower run

- Simple one-piece support trays according to your requirements and specification
 - Easy installation onto your machine, on profiles or wall-mount brackets
 - igus® support tray - available in 2 types and 4 options
- More information ► from page 740**





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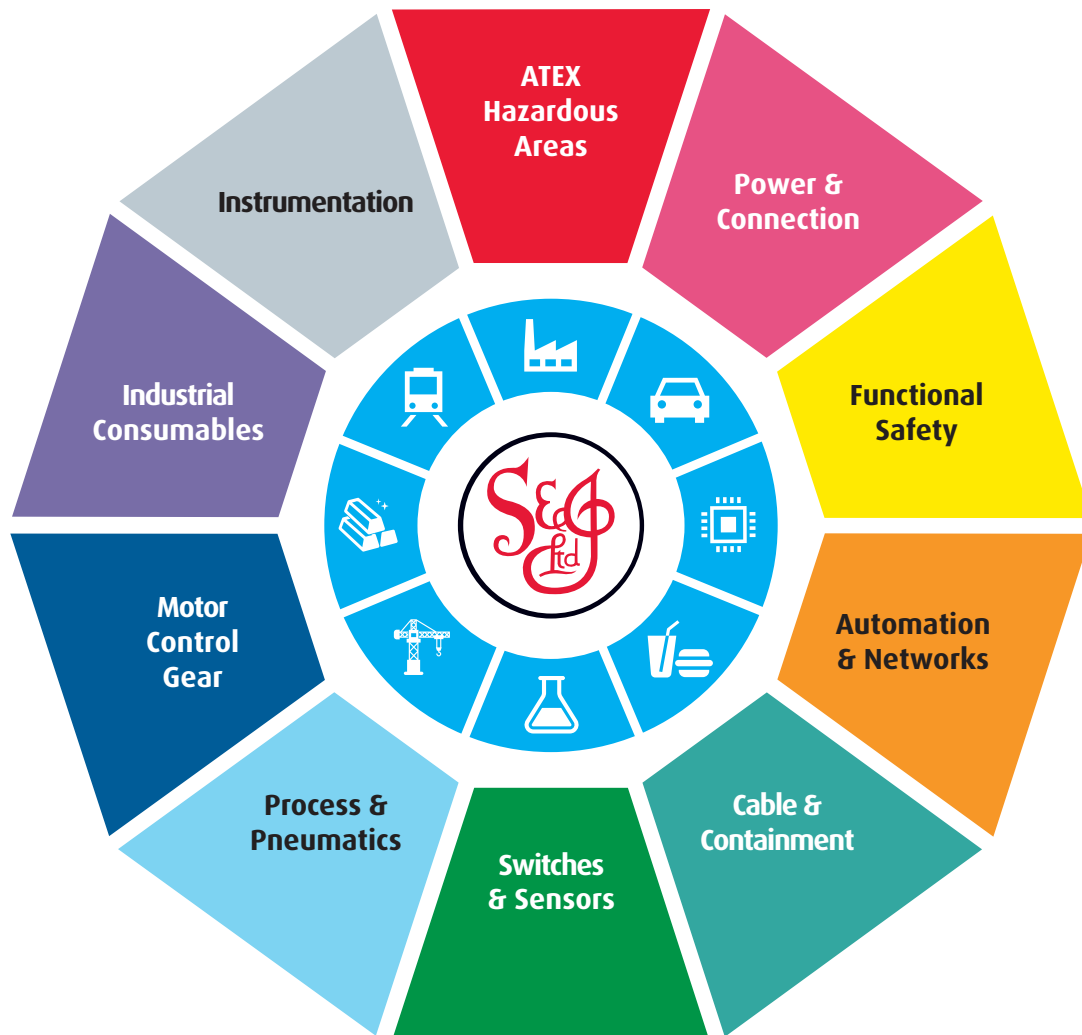
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