

● ● ● Price index

**IPA** Qualification Certificate Air  
Cleanless Class ISO Class 3  
(at v = 2 m/s) upon request

**EX** ESD classification:  
Electrically conductive ESD/ATEX  
version upon request

**RU** UL94 V2 classifications  
upon request



Snap-open mechanism, choice of snap-open on left or right. Hinged crossbar can be swiveled by more than 180° on both sides. Lightning-fast closing by hand. Secure fit without additional locking devices.



When to use the Series 2600/2650/2680/2700:

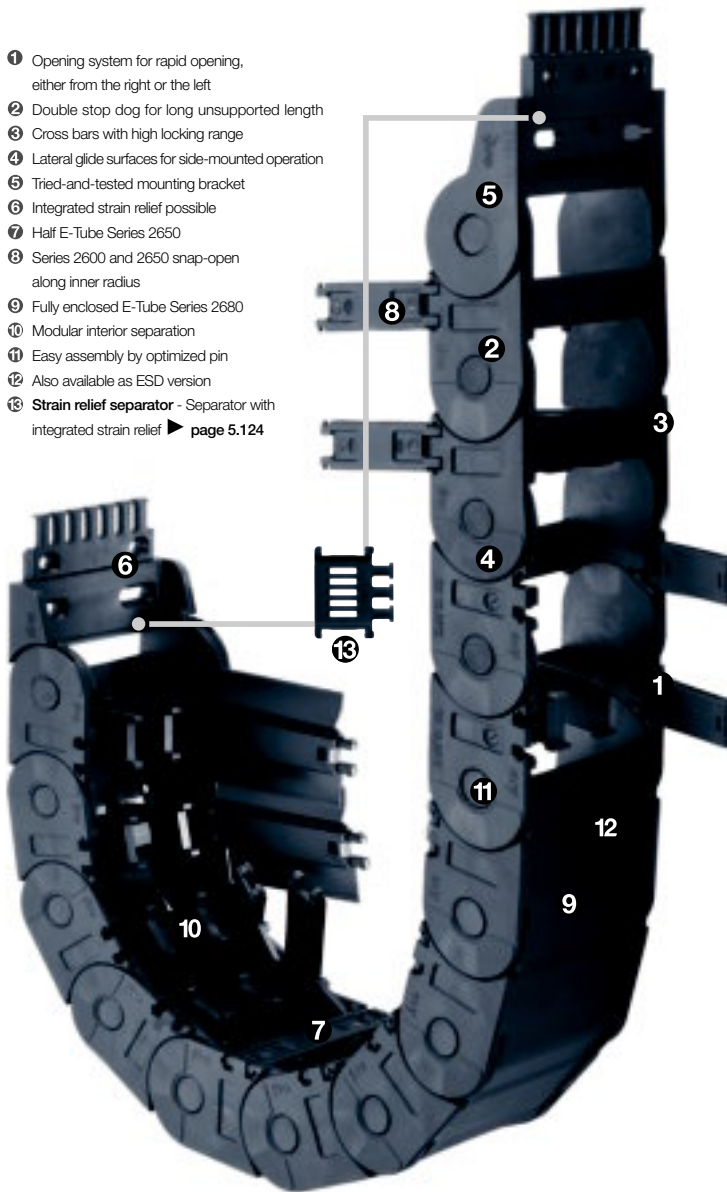
- Snap-open accessibility along both radii
- If integrated strain relief is required at the connection point
- Modular interior separation
- If long service life is required
- If easy installation is required
- If half E-Tube is required (Series 2650)
- If fully enclosed E-Tube is required (Series 2680)



When not to use it:

- If maximum stability is required
  - ▶ System E4.1, Series E4.32, page 7.34
- If the application is very simple
  - ▶ Easy Chain®, Series E26, page 3.46
- E-Tubes with small bending radii 075
  - ▶ E2 E-Tubes, Series R58, page 6.34

- ① Opening system for rapid opening, either from the right or the left
- ② Double stop dog for long unsupported length
- ③ Cross bars with high locking range
- ④ Lateral glide surfaces for side-mounted operation
- ⑤ Tried-and-tested mounting bracket
- ⑥ Integrated strain relief possible
- ⑦ Half E-Tube Series 2650
- ⑧ Series 2600 and 2650 snap-open along inner radius
- ⑨ Fully enclosed E-Tube Series 2680
- ⑩ Modular interior separation
- ⑪ Easy assembly by optimized pin
- ⑫ Also available as ESD version
- ⑬ **Strain relief separator** - Separator with integrated strain relief ▶ page 5.124



Order example complete E-Chain®

Please indicate chain-lengths or number of links Example: 3 m or 54 links

3 m 2700.10.100.0

E-Chain®

with 2 separators 261 assembled every 2<sup>nd</sup> link

Interior separation

1 set 2610.34PZB

Mounting bracket

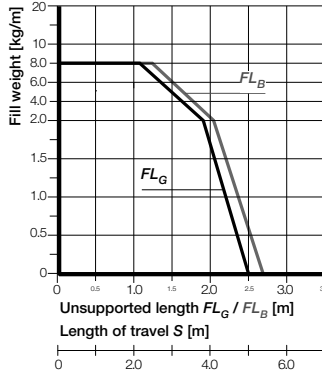
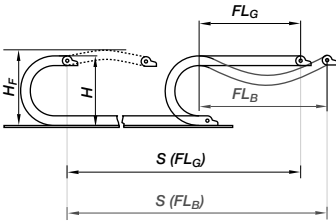


### Unsupported length

$FL_G$  = with straight upper run

$FL_B$  = with permitted sag

Further information ► **Design, page 1.12**



- $S$  = Length of travel
  - $R$  = Bending radius
  - $H$  = Nominal clearance height
  - $H_F$  = Required clearance height
  - $H_{RI}$  = Trough inner height
  - $D$  = Overlength E-Chain® radius in final position
  - $K = \pi \cdot R + \text{"safety"}$
  - $D_2$  = Over length - long travels, gliding
  - $K_2$  = "Further add-on"
  - $H_2$  = "Mounting height"
- \*if the mounting bracket location is set lower

### Other installation methods

- Vertical, hanging  $\leq 50$  m
- Vertical, standing  $\leq 3$  m
- Side mounted, un supp.  $\leq 1$  m
- Rotary requires further calculation
- Unsupported length of upper run = upon request



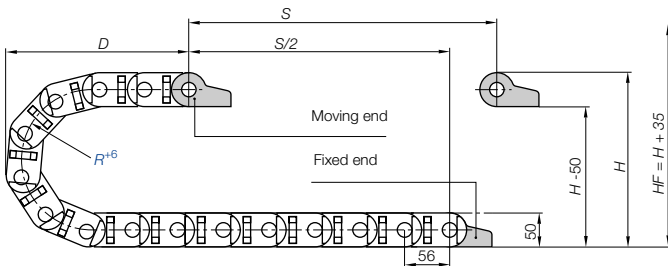
### Short travels - unsupported

Unsupported E-Chains® feature positive camber over short travels. This must be accounted for when specifying the clearance height  $H_F$ . Please consult igus® if space is particularly restricted.

The required clearance height:

$$H_F = H + 35 \text{ mm}$$

(with 2,0 kg/m fill weight)

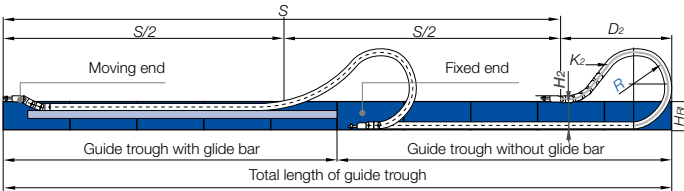


Pitch = 56 mm/link    Links/m = 18 (1008 mm)    Chain length =  $S/2 + K$

	063*	075*	100	125	150	175	200	250
$H$	180	200	250	300	350	400	450	550
$D$	140	150	175	200	225	250	275	325
$K$	335	375	475	550	650	750	825	925
$H_2$	180	200	166	166	166	166	166	166
$D_2^{+25}$	140	150	350	475	500	655	770	950
$K_2$	335	375	616	784	896	1120	1288	1624

\*for Series 2650/2680 upon request

Long travel lengths from 10 m to max. 120 m    Chain length =  $S/2 + K_2$



In case of travels between 4 and 10 m we recommend a longer unsupported length.



### Gliding, long travel applications (max. 120 m)

In this case the E-Chain® upper run will be introduced in a guide trough on the lower run. We recommend to realize the engineering of such a plant by our technicians.

### Technical Data

Speed / acceleration $FL_G$	max. 20 [m/s] / max. 200 [m/s²]
Speed / acceleration $FL_B$	max. 3 [m/s] / max. 6 [m/s²]
Gliding speed / acceleration (maximum)	max. 10 [m/s] / max. 50 [m/s²]
Material - permitted temperature °C	igumid G / -40° up to +120° C
Flammability class, igumid G	VDE 0304 IIC UL94 HB



Details of material properties  
► page 1.38

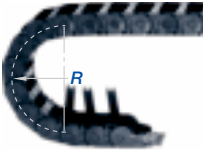
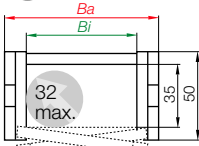
For support of the lower run - **Support Tray tool kit** available ► page 9.70

E2/000 medium  
Inner height: 35 mm

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► page 5.91



**Series 2600 - E-Chain® - snap-open along inner radius**

Part No.	Bi [mm]	Ba [mm]	R [mm]	Bending radii								Weight [kg/m]
2600.05.□.0	50	66	063	075	100	125	150	175	200	250	~ 1,17	
2600.06.□.0	65	81	063	075	100	125	150	175	200	250	~ 1,24	
2600.07.□.0	75	91	063	075	100	125	150	175	200	250	~ 1,30	
2600.09.□.0	90	106	063	075	100	125	150	175	200	250	~ 1,37	
2600.10.□.0	100	116	063	075	100	125	150	175	200	250	~ 1,39	
2600.12.□.0	125	141	063	075	100	125	150	175	200	250	~ 1,48	
2600.15.□.0	150	166	063	075	100	125	150	175	200	250	~ 1,62	
2600.17.□.0	175	194	063	075	100	125	150	175	200	250	~ 1,85	

Part No. structure

2600. 05. 063. 0

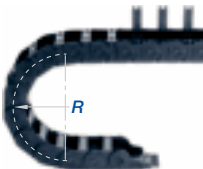
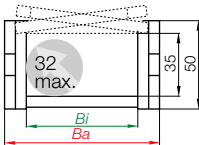


Supplement Part No. with required radius. Example: 2600.05.063.0

0 = standard color, other colors ▶ page 1.39 · Pitch = 56 mm/link - Links/m = 18



Please note: For using this series for long travels (gliding), please consult with igus® first. For long travels, igus® specifies E-Chains® that snap open on the outer radius.



**Series 2700 - E-Chain® - snap-open along outer radius - Standard!**

Part No.	Bi [mm]	Ba [mm]	R [mm]	Bending radii								Weight [kg/m]
2700.05.□.0	50	66	063	075	100	125	150	175	200	250	~ 1,17	
2700.06.□.0	65	81	063	075	100	125	150	175	200	250	~ 1,24	
2700.07.□.0	75	91	063	075	100	125	150	175	200	250	~ 1,30	
2700.09.□.0	90	106	063	075	100	125	150	175	200	250	~ 1,37	
2700.10.□.0	100	116	063	075	100	125	150	175	200	250	~ 1,39	
2700.12.□.0	125	141	063	075	100	125	150	175	200	250	~ 1,48	
2700.15.□.0	150	166	063	075	100	125	150	175	200	250	~ 1,62	
2700.17.□.0	175	194	063	075	100	125	150	175	200	250	~ 1,85	

Part No. structure

2700. 05. 063. 0



Supplement Part No. with required radius. Example: 2700.05.063.0

0 = standard color, other colors ▶ page 1.39 · Pitch = 56 mm/link - Links/m = 18



**Series 2650 - half E-Tube - snap-open along inner radius**

Part No.	<i>B<sub>i</sub></i> [mm]	<i>B<sub>a</sub></i> [mm]	<i>R</i> [mm]	Bending radii	Weight [kg/m]
2650.05.□.0	50	66	100	125 150 175 200 250	≈ 1,25
2650.06.□.0	65	81	100	125 150 175 200 250	≈ 1,36
2650.07.□.0	75	91	100	125 150 175 200 250	≈ 1,40
2650.09.□.0	90	106	100	125 150 175 200 250	≈ 1,55
2650.10.□.0	100	116	100	125 150 175 200 250	≈ 1,61
2650.12.□.0	125	141	100	125 150 175 200 250	≈ 1,70
2650.15.□.0	150	166	100	125 150 175 200 250	≈ 1,80
2650.17.□.0	175	194	100	125 150 175 200 250	≈ 2,00

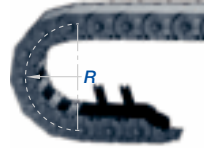
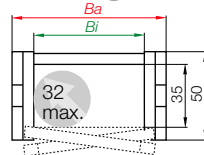
The widths *B<sub>i</sub>* 90/150/175 are available upon request. Time of delivery approx. 6-8 weeks after order.  
The bending radii [063] [075] are available upon request.

Supplement Part No. with required radius. Example: 2650.05.100.0

0 = standard color, other colors ▶ page 1.39 · Pitch = 56 mm/link · Links/m = 18



Please note: For using this series for long travels (gliding), please consult with igus® first. For long travels, igus® specifies E-Chains® that snap open on the outer radius.



Part No. structure

2650. 05. 100. 0



E2/000 medium  
Inner height: 35 mm

**Series 2680 - E-Tube - snap-open along inner radius**

Part No.	<i>B<sub>i</sub></i> [mm]	<i>B<sub>a</sub></i> [mm]	<i>R</i> [mm]	Bending radii	Weight [kg/m]
2680.05.□.0	50	66	100	125 150 175 200 250	≈ 1,33
2680.06.□.0	65	81	100	125 150 175 200 250	≈ 1,43
2680.07.□.0	75	91	100	125 150 175 200 250	≈ 1,51
2680.09.□.0	90	106	100	125 150 175 200 250	≈ 1,62
2680.10.□.0	100	116	100	125 150 175 200 250	≈ 1,81
2680.12.□.0	125	141	100	125 150 175 200 250	≈ 1,99
2680.15.□.0	150	166	100	125 150 175 200 250	≈ 2,17
2680.17.□.0	175	194	100	125 150 175 200 250	≈ 2,35

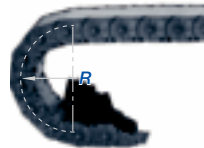
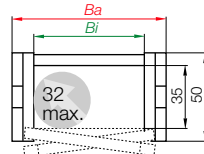
The widths *B<sub>i</sub>* 65/90/150/175 are available upon request. Time of delivery approx. 6-8 weeks after order.  
The bending radii [063] [075] are available upon request.

Supplement Part No. with required radius. Example: 2680.07.100.0

0 = standard color, other colors ▶ page 1.39 · Pitch = 56 mm/link · Links/m = 18



Please note: For using this series for long travels (gliding), please consult with igus® first. For long travels, igus® specifies E-Chains® that snap open on the outer radius.



Part No. structure

2680. 07. 100. 0



For smaller bending radii we recommend the fully closed E-Tubes, Series R58 ▶ page 6.34

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▶ page 5.91



<b>Vertical Separator</b>	
unassembled	260
assembled	261



<b>Vertical Separator*</b>	
unassembled	260.24
assembled	261.24



<b>Spacer*</b>	
unassembled	205.09
assembled	215.09



<b>Strain Relief Separator</b>	
unassembled	262.Z
assembled	263.Z



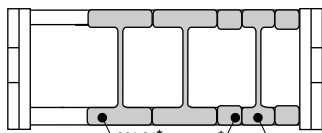
\*For side-mounted applications

### Option 1: Vertical Separators and Spacer for E-Chains®

Vertical Separators are used if a vertical subdivision of the E-Chain® interior is required -

By standard Vertical Separators are assembled every other E-Chain® link

- **Standard** subdivision (Series 2600/Series 2700) with Vertical Separator 261, for combinations with Full-Width Shelf 221.X
- If a broad distance shall be kept between the separators or they have to be fixed in their position, e.g. in case of side mounted applications, separators **with wide base 261.24** or **Spacer 215.09** can be used
- **Strain Relief Separator 262.Z**, integrable in the mounting bracket, to position at any point



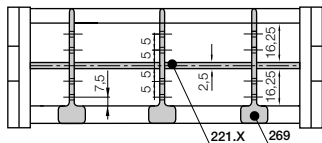
<b>Vert. Separator, slotted</b>	
unassembled	268
assembled	269



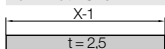
### Option 2: Full-Width Shelves for E-Chains®

For applications involving many thin cables with similar or identical diameters

- **Vertical Separator, slotted 269** - for applications with Full-Width Shelf 221.X



<b>Full-Width Shelf</b>	
X-1	
t = 2,5	



Width X [mm]	Part No. unassembled	Part No. assembled
050	220.50	221.50
065	220.65	221.65
075	220.75	221.75
090	220.90	221.90

Width X [mm]	Part No. unassembled	Part No. assembled
100	220.100	221.100
125	220.125	221.125
150	220.150	221.150
175	220.175	221.175

<b>Middle Plate</b>	
unassembled	262
assembled	263



<b>Slotted Separator</b>	
unassembled	266
assembled	267



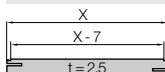
<b>Slotted Separator, open</b>	
unassembled	276
assembled	277



<b>Side Plate</b>	
unassembled	264
assembled	265



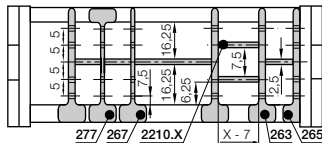
<b>Shelf</b>	
X	
X - 7	
t = 2,5	



### Option 3: Shelves for E-Chains®

For applications involving many cables with different diameters. The Shelves can be arranged elevator-shifted with different bottoms within the entire E-Chain® width

- Shelf 2210.X can be combined with Middle Plate 263, Slotted Separator 267 and Side Plate 265
- Option 3 "Shelves" can also be combined with option 1 "Vertical Separators"
- Assembling of the **Slotted Separator, open 277** in the existing separation afterwards possible



Width X [mm]	Part No. unassembled	Part No. assembled
018	2200.18	2210.18
023	2200.23	2210.23
028	2200.28	2210.28
033	2200.33	2210.33
038	2200.38	2210.38
043	2200.43	2210.43
048	2200.48	2210.48

Width X [mm]	Part No. unassembled	Part No. assembled
058	2200.58	2210.58
068	2200.68	2210.68
073	2200.73	2210.73
088	2200.88	2210.88
099	2200.99	2210.99
124	2200.124	2210.124
149	2200.149	2210.149

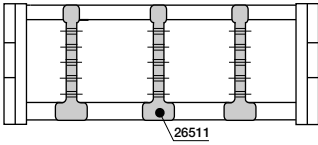
**Option 4: Vertical Separators for E-Tubes**

Vertical Separators are used if a vertical subdivision of the E-Tube interior is required -

By standard Vertical Separators are assembled every other E-Tube link

- **Standard** subdivision of the half E-Tube (**Series 2650**) and the fully enclosed E-Tube (**Series 2680**) with **Vertical Separator, slotted 26511**, for combinations with **Full-Width Shelf 221.X**

<b>Vert. Separator, slotted</b>		
unassembled	<b>26501</b>	
assembled	<b>26511</b>	

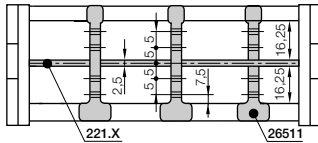


E2 medium  
Inner height: 35 mm

**Option 5: Full-Width Shelves for E-Tubes**

For applications involving many thin cables with similar or identical diameters

- **Vertical Separator, slotted 26511** - for applications with **Full-Width Shelf 221.X**



Width X [mm]	Part No. unassembled	Part No. assembled
050	220.50	221.50
065	220.65	221.65
075	220.75	221.75
090	220.90	221.90

Width X [mm]	Part No. unassembled	Part No. assembled
100	220.100	221.100
125	220.125	221.125
150	220.150	221.150
175	220.175	221.175

<b>Full-Width Shelf</b>
X - 1
t = 2,5

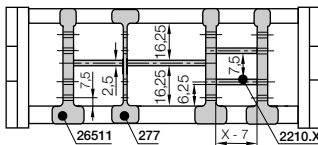
Phone +49- (0) 22 03-96 49-800  
Fax +49- (0) 22 03-96 49-222

**Variante 6 - Shelves for E-Tubes**

For applications involving many cables with different diameters. The Shelves can be arranged elevator-shifted with different bottoms within the entire E-Chain® width

- **Shelf 2210.X** can be combined with **Vertical Separator, slotted 26511**
- Assembling of the **Slotted Separator, open 277** in the existing separation afterwards possible

<b>Slotted Separator, open</b>		
unassembled	<b>276</b>	
assembled	<b>277</b>	



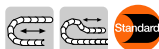
Width X [mm]	Part No. unassembled	Part No. assembled
018	2200.18	2210.18
023	2200.23	2210.23
028	2200.28	2210.28
033	2200.33	2210.33
038	2200.38	2210.38
043	2200.43	2210.43
048	2200.48	2210.48

Width X [mm]	Part No. unassembled	Part No. assembled
058	2200.58	2210.58
068	2200.68	2210.68
073	2200.73	2210.73
088	2200.88	2210.88
099	2200.99	2210.99
124	2200.124	2210.124
149	2200.149	2210.149

<b>Shelf</b>
X
X - 7
t = 2,5



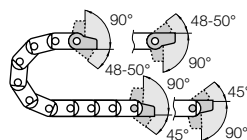
▶ page 5.91



### The Standard - option polymer - pivoting

- Recommended for unsupported and gliding applications
- Well suited for tight installation conditions
- Strain relief with detachable tiewrap plates
- Variable traverse angle for flexible assembly
- The twistability of the E-Chain® and the option to assemble the mounting brackets on the fixed end and/or the moving end, enable various installation options

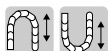
Moving end with bore  
(outer link) 26...3PZ(B)



26...4PZ(B) Fixed end  
with pin (inner link)



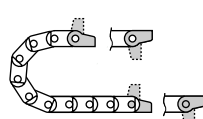
Possible installation conditions for assembled mounting brackets ▶ Order example "preassembled" below



### Option polymer - locking

- Recommended for unsupported and gliding applications
- At very high speed and/or acceleration
- If space is limited for height (the  $H_F$  measurement)
- The twistability of the E-Chain® and the option to assemble the mounting brackets on the fixed end and/or the moving end, enable various installation options

Moving end with bore  
(outer link) 26...1PZ(B)



26...2PZ(B) Fixed end  
with pin (inner link)



Possible installation conditions for assembled mounting brackets ▶ Order example "preassembled" below

## Dimensions and order configurations

Strain relief is possible on the moving end and/or the fixed end.

### Part No. structure (pivoting)

2605. 34 PZB A1 Standard

A... must be indicated on preassembled configurations  
With assembled strain relief tiewrap plates  
Full set pivoting = 34  
Mounting brackets for selected chain type

### Full set, for both ends:

2605. 34 PZB +tiewrap plate

### Single-part order:

2605. 3 PZB +tiewrap plate

Mounting bracket with bore

2605. 4 PZB +tiewrap plate

Mounting bracket with pin

### Part No. structure (locking)

2605. 12 PZB A1

A... must be indicated on preassembled configurations  
With assembled strain relief tiewrap plates  
Full set locking = 12  
Mounting brackets for selected chain type

### Full set, for both ends:

2605. 12 PZB +tiewrap plate

### Single-part order:

2605. 1 PZB +tiewrap plate

Mounting bracket with bore

2605. 2 PZB +tiewrap plate

Mounting bracket with pin

26...3PZ(B) Standard! (pivoting)

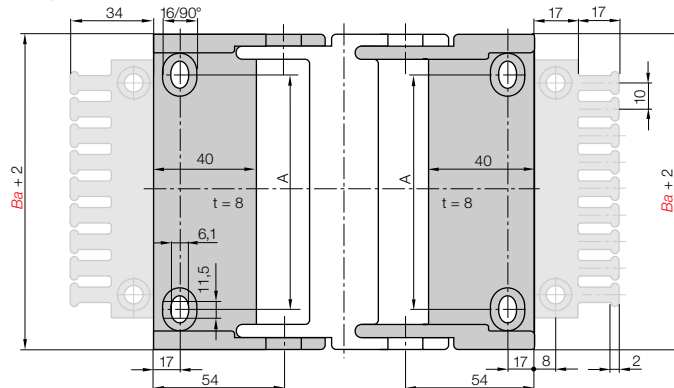
26...1PZ(B) (locking)

Moving end

Standard! (pivoting) 26...4PZ(B)

(locking) 26...2PZ(B)

Fixed end



For E-Chain®	Part No. full set with tiewrap plate	Part No. with tiewrap plate + 10 cable tiewraps	Part No. full set without tiewrap plate	Dim. A [mm]
2600 - 2700.05 ▶	2605. <input type="checkbox"/> PZB	2605. <input type="checkbox"/> PZBK1	2605. <input type="checkbox"/> PZ	30
2600 - 2700.06 ▶	2606. <input type="checkbox"/> PZB	2606. <input type="checkbox"/> PZBK1	2606. <input type="checkbox"/> PZ	45
2600 - 2700.07 ▶	2607. <input type="checkbox"/> PZB	2607. <input type="checkbox"/> PZBK1	2607. <input type="checkbox"/> PZ	55
2600 - 2700.09 ▶	2609. <input type="checkbox"/> PZB	2609. <input type="checkbox"/> PZBK1	2609. <input type="checkbox"/> PZ	70
2600 - 2700.10 ▶	2610. <input type="checkbox"/> PZB	2610. <input type="checkbox"/> PZBK1	2610. <input type="checkbox"/> PZ	80
2600 - 2700.12 ▶	2612. <input type="checkbox"/> PZB	2612. <input type="checkbox"/> PZBK1	2612. <input type="checkbox"/> PZ	105
2600 - 2700.15 ▶	2615. <input type="checkbox"/> PZB	2615. <input type="checkbox"/> PZBK1	2615. <input type="checkbox"/> PZ	130
2600 - 2700.17 ▶	2617. <input type="checkbox"/> PZB	2617. <input type="checkbox"/> PZBK1	2617. <input type="checkbox"/> PZ	155

Please add the Part No. with the requested index - 34 for the pivoting configuration

e.g. 2605. 34 PZB or 12 for the locking configuration e.g. 2605. 12 PZB

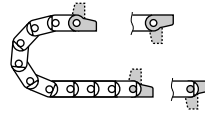
For the preassembled mode please add the index A1...A4 e.g. 2605. 34 PZB A1



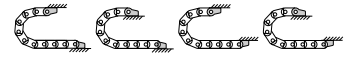
### Steel mounting bracket - locking

- Locked connections
- One part for all chain widths
- Electrically conductive
- Bolted connection outside of chain cross-section possible

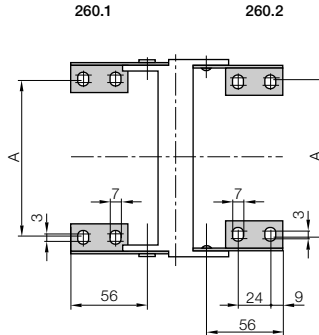
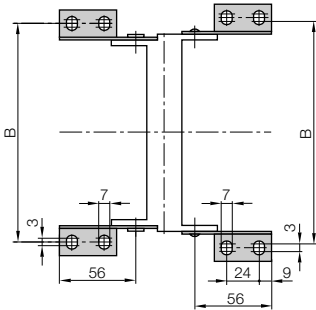
Moving end with bore  
(outer link) 260.1



260.2 Fixed end  
with pin (inner link)



Possible installation conditions -  
Further installation angles ► installation sketch



### Dimensions and order configurations

\*pivoting with no stop, (360°)

For E-Chain®	Part No. full set	Dim. A [mm]	Dim. B [mm]
2600 - 2700.05 ►	260. 12	37	83
2600 - 2700.06 ►	260. 12	52	98
2600 - 2700.07 ►	260. 12	62	108
2600 - 2700.09 ►	260. 12	77	123
2600 - 2700.10 ►	260. 12	87	133
2600 - 2700.12 ►	260. 12	112	158
2600 - 2700.15 ►	260. 12	137	183
2600 - 2700.17 ►	260. 12	163	209

260. 12 Full set, 4 parts  
2 with pin / 2 with bore

Single-part order:

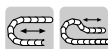
260. 1 Mounting bracket  
with bore, 1 part left / right

260. 2 Mounting bracket with  
pin, 1 part left / right

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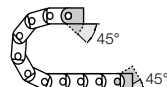




**Option KMA, pivoting for E-Chains®**  
Series 2600 and Series 2700

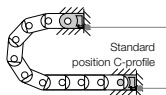
- Recommended for unsupported applications
- Bolted connection outside of chain cross-section
- Confined installation conditions
- Universal mountable with attachment capability on all sides
- Stackable

Moving end with bore  
Series 2600 = 26001...1  
Series 2700 = 26001...1

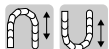


Series 2600 = 26001...2  
Series 2700 = 26001...2

Fixed end with pin



The attachment variants arising automatically by the choice of the KMA mounting bracket



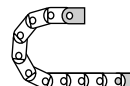
KMA = Polymer Metal Mounting Bracket

**Option KMA, locking for E-Chains®**  
Series 2600 and Series 2700

- Recommended for vertical hanging / standing applications
- Bolted connection outside of chain cross-section
- At very high speed and acceleration
- Universal mountable with attachment capability on all sides
- Stackable

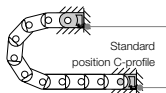
Moving end with bore

Series 2600 = 26101...1  
Series 2700 = 26101...1



Series 2600 = 26101...2  
Series 2700 = 26101...2

Fixed end with pin

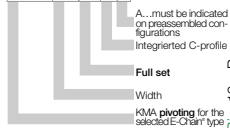


The attachment variants arising automatically by the choice of the KMA mounting bracket

**Dimensions and order configurations**

Part No. structure (pivoting)

26001.05.12.C.A



Full set, for both ends:

26001.05.12.C (with C-profile)

Single-part order:

26001.05.1.C (with C-profile)

Mounting bracket with bore

26001.05.2.C (with C-profile)

Mounting bracket with pin

2600 | 2700 = 26001...1 (pivoting)

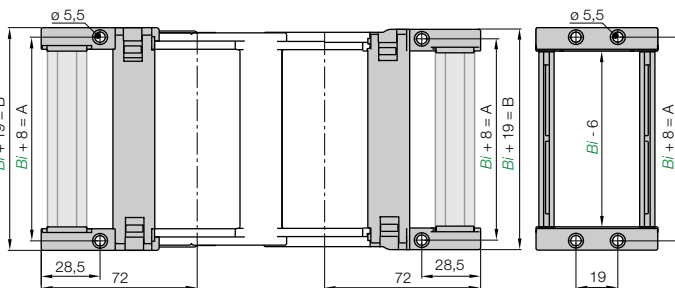
2600 | 2700 = 26101...1 (locking)

Moving end

2600 | 2700 = 26001...2 (pivoting)

2600 | 2700 = 26101...2 (locking)

Fixed end



For E-Chain®	Part No. full set	Part No. full set	Dim. A [mm]	Dim B [mm]
Series 2600/2700	<b>with C-profile</b>	<b>without C-profile</b>		
2600/2700.05	26001.05.12.C	26001.05.12	58	69
2600/2700.06	26001.05.12.C	26001.06.12	73	84
2600/2700.07	26001.05.12.C	26001.07.12	83	94
2600/2700.09	26001.05.12.C	26001.09.12	98	109
2600/2700.10	26001.05.12.C	26001.10.12	108	119
2600/2700.12	26001.05.12.C	26001.12.12	133	144
2600/2700.15	26001.05.12.C	26001.15.12	158	169
2600/2700.17	26001.05.12.C	26001.17.12	183	194

● For **E-Chains®** please add the Part No. with the requested index

For the pivoting option e.g. 26001.05.12 or for the locking option e.g. 26101.05.12

For the **preassembled** mode please add the index [A] e.g. 26101.05.12 [A]

Part No. structure (locking)

26101.05.12.C.A



Full set, for both ends:

26101.05.12.C (with C-profile)

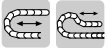
Single-part order:

26101.05.1.C (with C-profile)

Mounting bracket with bore

26101.05.2.C (with C-profile)

Mounting bracket with pin

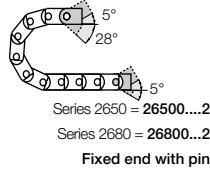


KMA = Polymer Metal Mounting Bracket

**Option KMA, pivoting for half E-Tubes Series 2650 and for full E-Tubes Series 2680**

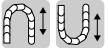
- Recommended for unsupported applications
- Bolted connection outside of chain cross-section
- Confined installation conditions
- Universal mountable with attachment capability on all sides
- Stackable

**Moving end with bore**  
Series 2650 = 26500...1  
Series 2680 = 26800...1



The attachment variants arising automatically by the choice of the KMA mounting bracket

Standard position C-profile

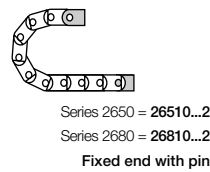


KMA = Kunststoff-Metall-Anschlusselement

**Option KMA, locking for half E-Tubes Series 2650  
Option KMA, locking for full E-Tubes Series 2680**

- Recommended for vertical hanging / standing applications
- Bolted connection outside of chain cross-section
- At very high speed and acceleration
- Universal mountable with attachment capability on all sides
- Stackable

**Moving end with bore**  
Series 2650 = 26510...1  
Series 2680 = 26810...1



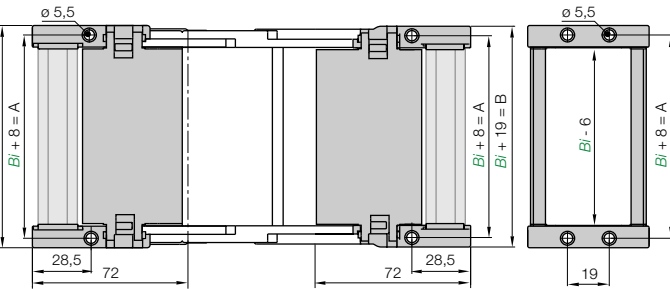
The attachment variants arising automatically by the choice of the KMA mounting bracket

Standard position C-profile

2650 = 26500...1 | 2680 = 26800...1 (pivoting)      2650 = 26500...2 | 2680 = 26800...2 (pivoting)  
2650 = 26510...1 | 2680 = 26810...1 (locking)      2650 = 26510...2 | 2680 = 26810...2 (locking)

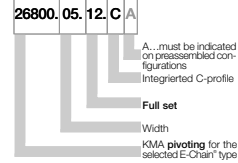
**Moving end**

**Fixed end**



**Maße und Bestellvarianten**

**Part No. structure (pivoting)**

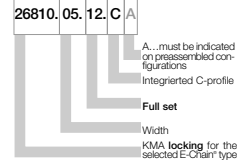


**Full set, for both ends:**  
[26800.05.12.C] (with C-profile)

**Single-part order:**  
[26800.05.1.1.C] (inkl. C-Profil)

Mounting bracket **with bore**  
[26800.05.1.2.C] (inkl. C-Profil)  
Mounting bracket **with pin**

**Part No. structure (locking)**



**Full set, for both ends:**  
[26810.05.12.C] (with C-profile)

**Single-part order:**  
[26810.05.1.1.C] (with C-profile)

Mounting bracket **with bore**  
[26810.05.1.2.C] (with C-profile)  
Mounting bracket **with pin**

For E-Chain*	Part No. full set	Part No. full set	Dim. A [mm]	Dim B [mm]
	with C-profile	without C-profile		
Series 2650/2680				
2650/2680.05	[ ]05.12.C	[ ]05.12	58	69
2650/2680.06	[ ]06.12.C	[ ]06.12	73	84
2650/2680.07	[ ]07.12.C	[ ]07.12	83	94
2650/2680.09	[ ]09.12.C	[ ]09.12	98	109
2650/2680.10	[ ]10.12.C	[ ]10.12	108	119
2650/2680.12	[ ]12.12.C	[ ]12.12	133	144
2650/2680.15	[ ]15.12.C	[ ]15.12	158	169
2650/2680.17	[ ]17.12.C	[ ]17.12	183	194

- For **half E-Tube** please add the Part No. with the requested index  
For the pivoting option e.g. [26500.05.12] or for the locking option e.g. [26510.05.12]
- For the **preassembled** mode please add the index [A] e.g. [26510.05.12.A]
- For **full E-Tube** please add the Part No. with the requested index  
For the pivoting option e.g. [26800.05.12] or for the locking option e.g. [26810.05.12]
- For the **preassembled** mode please add the index [A] e.g. [26810.05.12.A]

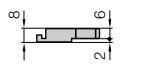


igus® E-ChainSystems®

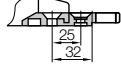


### Tiewrap plate as individual part

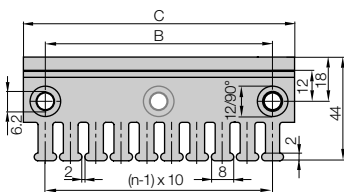
As individual component screwed on KMA. Can be plugged in the mounting brackets. **Details ▶ chapter 10**



Single tiewrap plate



Shown assembled



Tiewrap plate	No. of teeth <i>n</i>	Dim. C [mm]	Dim. B [mm]
3050.ZB	5	50	30
3075.ZB	7	75	55
3100.ZB	10	100	80
3115.ZB	11	115	95
3125.ZB	12	125	105
3150.ZB	15	150	130
3175.ZB	17	175	155
3200.ZB	20	200	180
3225.ZB	22	225	205
3250.ZB	25	250	230

(- = no / + = yes)

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Fax +49- (0) 22 03-96 49-222



### Cable tiewraps as individual part

Cable tiewraps (100-piece bag)	Width x length	max. Ø	Tensile strength
CFB.001	4,8 x 150 mm	36 mm	222 N

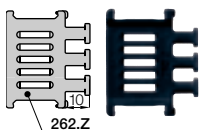


### "Double" strain relief

If an E-Chain® is harnessed with a very large number of cables, strain relief may be necessary at two levels. Our 2050.Z strain relief system was developed for this purpose. It can be placed in any position along the E-Chain®. As required, the 2050.Z strain relief system is simply clamped onto the crossbar of the chain link. No additional installation elements are needed. **Details ▶ chapter 10**

Part No.	Width strain relief [mm]	
2050.Z*	60	*not available for Series 2650/2680

igus® GmbH  
51147 Cologne



### Strain relief separator

Separator with integrated strain relief, for use in the first or last chain link. For manufacturing of switchgear cabinets or for the assembly of machines. Easy to assemble without any fastening device. Separator base 262.Z is 10 mm wide. The possible number of separators per E-Chain® is defined by its inner width *B<sub>i</sub>* and by the cable-diameter. **Details ▶ chapter 10**

Part No.	Number of teeth	For Series
262.Z	3 one side	2600/2700 E-Chain®



### Strain relief for steel mounting brackets

Clip-on connection is not possible with steel mounting brackets. In this case, the tiewrap plates must be bolted directly into separate bore holes in front of the mounting bracket. Alternatively the tiewrap plates 30XX.Z and ZS can be also used here. **Details ▶ chapter 10**

Internet: www.igus.eu  
E-mail: info@igus.de

### Chainfix strain relief C-profile-solutions - more Details ▶ chapter 10



Other strain relief elements - optional ▶ chapter 10



Chainfix clamps made of steel or stainless steel



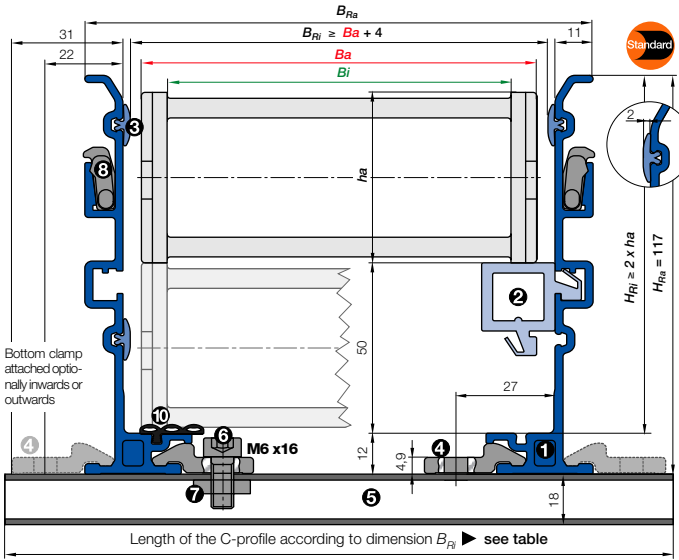
Chainfix Clips - modular, snap-on



Chainfix Nugget with pre-harnessed cable strap



Chainfix - tiewrap plates with clip-on connection



- $B_a$  = Outer width E-Chains\* / E-Tube
- $B_i$  = Inner width E-Chains\* / E-Tube
- $h_a$  = Outer height E-Chains\* / E-Tube
- $H_{Ri}$  = Inner trough height
- $H_{Ra}$  = Outer trough height
- $B_{Ri}$  = Inner trough width ▶ depends on dim.  $B_a$
- $B_{Ra}$  = Outer trough width
- $n_{Mon}$  = Number of installation sets (left/right)
- $n_{Ri}$  = Number of trough sets (left/right)
- $H_{Ri} \geq 2 \cdot h_a$
- $B_{Ri} \geq B_a + 4$
- = Guide trough set    ● = Glide bar
- = Installation set "Basic"    ● = C-Profile

**Installation set "Basic" with C-Profile**

Bottom Clamp attached optionally inwards or outwards

2700.05.200.0 ▶ Order example

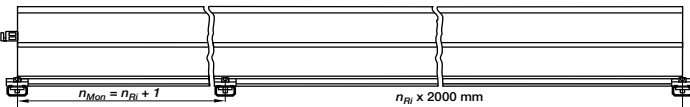
$B_{Ri}$ [mm]	Part No.	
	attached inwards	attached outwards
.05	70	960.30.175
.06	85	960.30.150 960.30.200
.07	95	960.30.150 960.30.200
.09	110	960.30.175 960.30.225
.10	120	960.30.175 960.30.225
.12	145	960.30.200 960.30.250
.15	170	960.30.225 960.30.275
.17	198	960.30.250 960.30.300



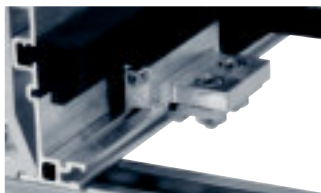
- **Components, trough "Basic":** ① Trough side parts, aluminum, 2 m ② Glide bar, plastic, 2 m ③ Glide strips, plastic, 2 m (without glide strips on request) ⑩ Optional: Silencer profile, rubber
- **Components, installation set "Basic":** ④ Bottom clamp, aluminum ⑤ C-profile, steel galvanized ⑥ Screw M6 x16 ⑦ Sliding nut M6 ⑧ Interface connector, plastic

**Order example: Length of travel 30 m - Center mounted for Series 2700.06.200.0 with  $B_{Ri} = 85$**

- Guide trough set (set of 2 trough side parts, incl. glide strips) **without** glide bar  
**Order text: 16 m guide trough without glide bar (8 x 2 m sections) Part No. 972.30.SL**
- Guide trough set (set of 2 trough side parts, incl. glide strips) **with** glide bar  
**Order text: 16 m guide trough with glide bar (8 x 2 m sections) Part No. 972.32.SL**
- Installation set "Basic" complete (guide trough-sets + 1)  
**Order text: 17 installation sets "Basic" Part No. 960.30.150**
- Module for the fixed end  
**Order text: 1 set Part No. 972.81**
- Option:** For an additional noise dampening with silencer profile, please add Index A - Example:  
**Part No. 972.30.SLA**



Principle sketch: Number of installation sets to be installed = **Number of trough sections + 1**



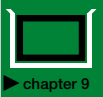
**A quick fix for mounting the stationary end of an E-Chain\***

With this module for the fixed end, fast and easy mounting onto the Aluminum "SuperTrough" is now possible without any drilling. Fast mounting of the E-Chain\* by clamping onto the aluminum trough

- Quick relocation of the stationary end
- No drilling necessary

Insert for the installation set "Heavy-Duty": **972.50.XXX** instead of (960.30.XXX) on the right column "attached outwards"

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▶ page 5.91