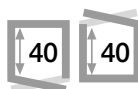


Swarf protection, even against hot swarf, cost-effective



e-tubes | Series R157 | Lids openable along the inner radius, from both sides  
 e-tubes | Series R158 | Lids openable along the outer radius, from both sides

| Part No. e-tubes openable along the inner radius | Part No. e-tubes openable along the outer radius | Bi [mm] | Ba [mm] | R Available bend radii [mm] |     |     |     |     |     |        |        | R157 [kg/m] | R158 [kg/m] |
|--|--|---------|---------|-----------------------------|-----|-----|-----|-----|-----|--------|--------|-------------|-------------|
|  |  |         |         | 100                         | 125 | 150 | 175 | 200 | 250 |        |        |             |             |
| 157.040.R.0.+ <sup>1)</sup>                      | 158.040.R.0.+ <sup>1)</sup>                      | 40      | 56      | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 1.21 | ≈ 1.21 |             |             |
| 157.050.R.0.+                                    | 158.050.R.0.+                                    | 50      | 66      | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 1.30 | ≈ 1.30 |             |             |
| 157.075.R.0.+                                    | 158.075.R.0.+                                    | 75      | 91      | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 1.50 | ≈ 1.50 |             |             |
| 157.088.R.0.+                                    | 158.088.R.0.+                                    | 88      | 104     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 1.57 | ≈ 1.57 |             |             |
| 157.090.R.0.+ <sup>2)</sup>                      | 158.090.R.0.+ <sup>2)</sup> *                    | 88      | 104     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 1.63 | ≈ 1.63 |             |             |
| 157.100.R.0.+                                    | 158.100.R.0.+                                    | 100     | 116     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 1.71 | ≈ 1.71 |             |             |
| 157.125.R.0.+                                    | 158.125.R.0.+                                    | 125     | 141     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 1.92 | ≈ 1.92 |             |             |
| 157.135.R.0.+                                    | 158.135.R.0.+                                    | 135     | 150     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 2.10 | ≈ 2.10 |             |             |
| 157.150.R.0.+                                    | 158.150.R.0.+                                    | 150     | 166     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 2.13 | ≈ 2.13 |             |             |
| 157.175.R.0.+                                    | 158.175.R.0.+                                    | 175     | 191     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 2.34 | ≈ 2.34 |             |             |
| 157.200.R.0.+                                    | 158.200.R.0.+                                    | 200     | 216     | 100                         | 125 | 150 | 175 | 200 | 250 | ≈ 2.55 | ≈ 2.55 |             |             |

1) Lid removable only, not hinged 2) Same dimensions as 157.088 - less recent design, no hinged option

\*Width available upon request. Please consult igus® for delivery time.

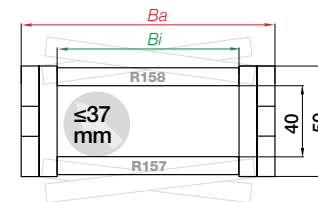
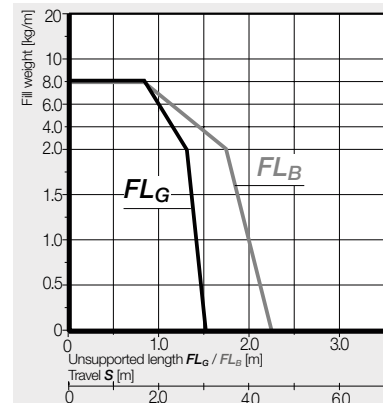
Complete Part No. with required radius (R). Example: 158.100.100.0.+

### Hot swarf up to +850°C for e-tubes

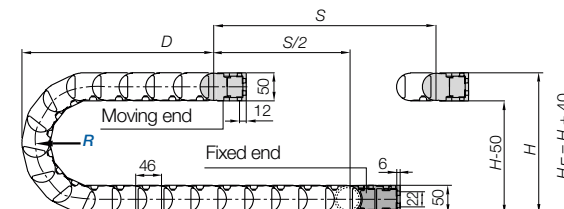
- e-tubes can repel swarf up to +850°C. Special production option with the igus® material igumid HT
  - No hot swarf melting or embedding into the chain
- More information ► [www.igus.eu/HT](http://www.igus.eu/HT)



Unsupported applications | Short travels



|                               |       |
|-------------------------------|-------|
| Inner height [mm]             | 40    |
| Pitch [mm/link]               | 46    |
| Links/m                       | 22    |
| corresponds to [mm]           | 1,012 |
| e-tube length $L_K = S/2 + K$ |       |

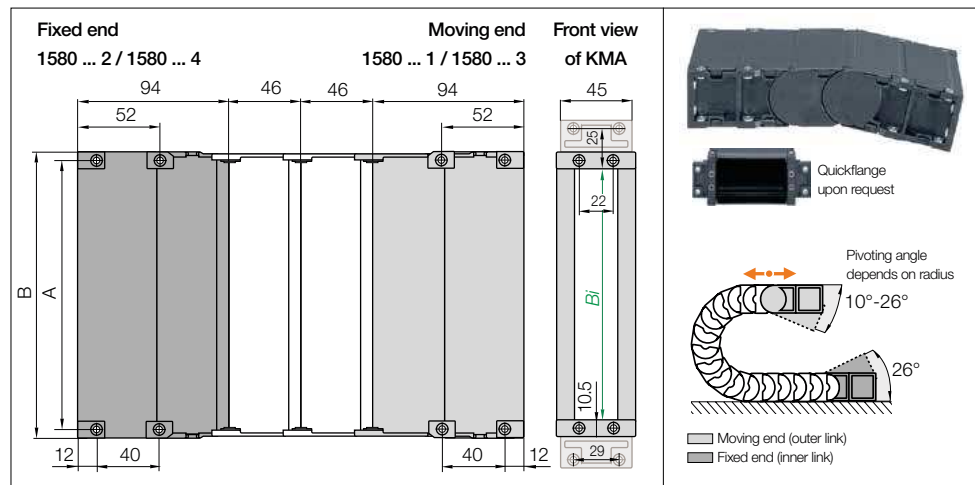


| R | 100 | 125 | 150 | 175 | 200 | 250 |
|---|-----|-----|-----|-----|-----|-----|
| H | 250 | 300 | 350 | 400 | 450 | 550 |
| D | 194 | 219 | 244 | 269 | 294 | 344 |
| K | 410 | 485 | 565 | 645 | 725 | 880 |

The required clearance height:  $H_F = H + 40\text{mm}$  (with 1.0kg/m fill weight)



**i** If a gliding application is required for a long travel, please consult igus®.



**KMA, long pivoting** | Recommended for unsupported applications  
**KMA, long locking** | Recommended for vertical hanging and standing applications

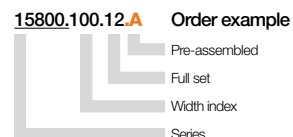
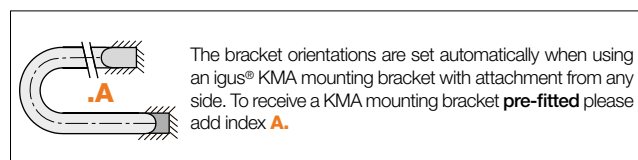
| Width index | Part no. full set<br><b>KMA pivoting</b> | Part No. full set<br><b>KMA locking</b> | A [mm] | B [mm] | Bi [mm] |
|-------------|--|---|--------|--------|---------|
| 040. ▶      | 15801.040.12                             | 15801.040.34                            | 50     | 61     | 40      |
| 050. ▶      | 15800.050.12                             | 15800.050.34                            | 60     | 71     | 50      |
| 075. ▶      | 15800.075.12                             | 15800.075.34                            | 85     | 96     | 75      |
| 088. ▶      | 15800.088.12                             | 15800.088.34                            | 98     | 109    | 88      |
| 090. ▶      | 15801.090.12*                            | 15801.090.34*                           | 98     | 109    | 88      |
| 100. ▶      | 15800.100.12                             | 15800.100.34                            | 110    | 121    | 100     |
| 125. ▶      | 15800.125.12                             | 15800.125.34                            | 135    | 146    | 125     |
| 135. ▶      | 15800.135.12                             | 15800.135.34                            | 145    | 156    | 135     |
| 150. ▶      | 15800.150.12                             | 15800.150.34                            | 160    | 171    | 150     |
| 175. ▶      | 15800.175.12                             | 15800.175.34                            | 185    | 196    | 175     |
| 200. ▶      | 15800.200.12                             | 15800.200.34                            | 210    | 221    | 200     |

(KMA = polymer metal mounting bracket) \*Width available upon request. Please consult igus® for delivery time.

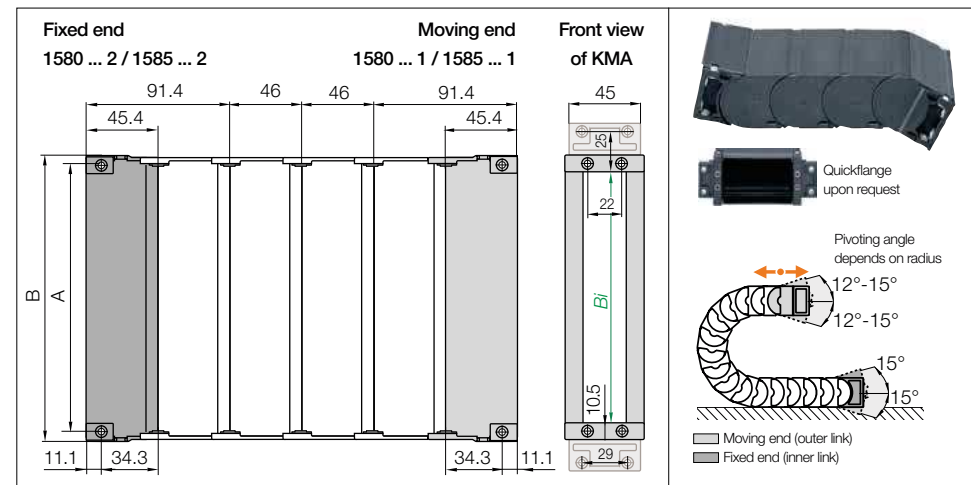
The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Washer 5.3 DIN 125-ST
- Hexagon nut M5 DIN 934-8

To receive full sets with pre-fitted quickflange please add index QF ▶ For example: Part No. 15800.100.12.QF. Unassembled quickflange: Part No. 15800.QF



**Strain relief** e.g. clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1392



**KMA, short pivoting** | Recommended for unsupported applications  
**KMA, short locking** | Recommended for vertical hanging and standing applications

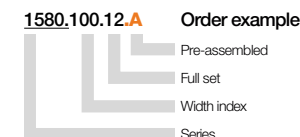
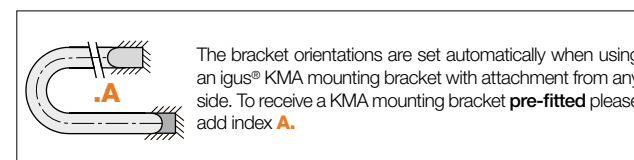
| Width index | Part no. full set<br><b>KMA pivoting</b> | Part No. full set<br><b>KMA locking</b> | A [mm] | B [mm] | Bi [mm] |
|-------------|--|---|--------|--------|---------|
| 040. ▶      | 1580.040.12                              | 1585.040.12                             | 50     | 61     | 40      |
| 050. ▶      | 1580.050.12                              | 1585.050.12                             | 60     | 71     | 50      |
| 075. ▶      | 1580.075.12                              | 1585.075.12                             | 85     | 96     | 75      |
| 088. ▶      | 1580.088.12                              | 1585.088.12                             | 98     | 109    | 88      |
| 090. ▶      | 1580.090.12*                             | 1585.090.12*                            | 98     | 109    | 88      |
| 100. ▶      | 1580.100.12                              | 1585.100.12                             | 110    | 121    | 100     |
| 125. ▶      | 1580.125.12                              | 1585.125.12                             | 135    | 146    | 125     |
| 135. ▶      | 1580.135.12                              | 1585.135.12                             | 145    | 156    | 135     |
| 150. ▶      | 1580.150.12                              | 1585.150.12                             | 160    | 171    | 150     |
| 175. ▶      | 1580.175.12                              | 1585.175.12                             | 185    | 196    | 175     |
| 200. ▶      | 1580.200.12                              | 1585.200.12                             | 210    | 221    | 200     |

(KMA = polymer metal mounting bracket) \*Width available upon request. Please consult igus® for delivery time.

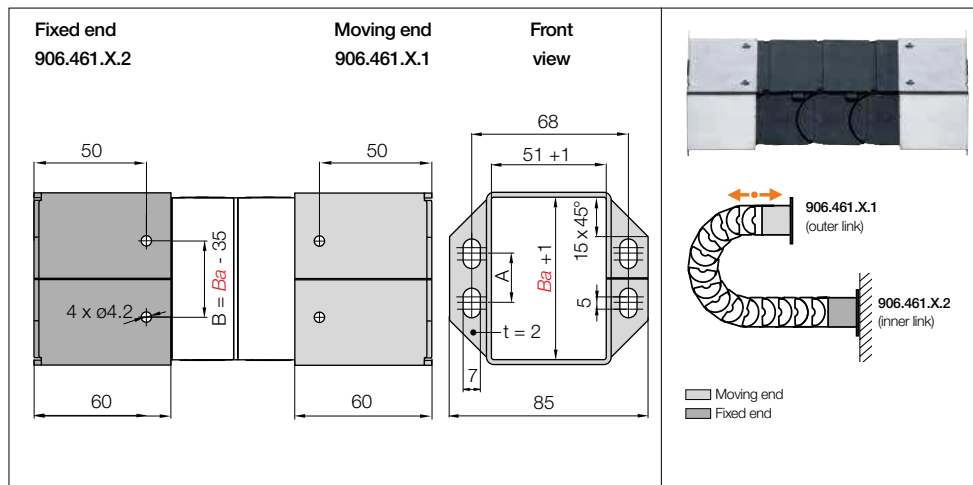
The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Washer 5.3 DIN 125-ST
- Hexagon nut M5 DIN 934-8

To receive full sets with pre-fitted quickflange please add index QF ▶ For example: Part No. 15800.100.12.QF. Unassembled quickflange: Part No. 15800.QF



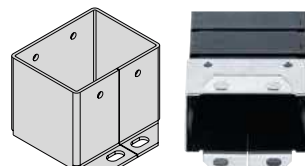
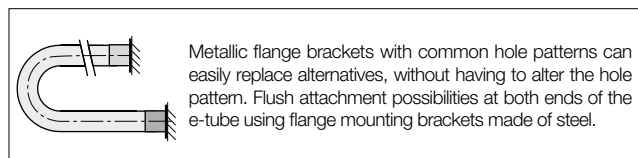
**Strain relief** e.g. clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1392



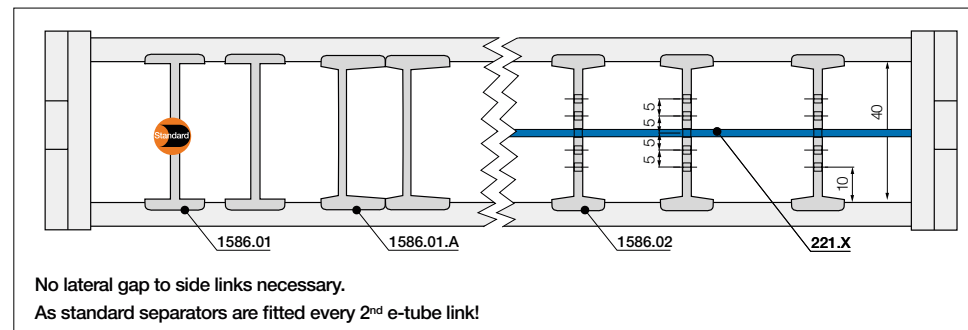
Steel flange, locking | Recommended for unsupported applications

| Width index | Hole pattern | Part No. full set<br>Steel flange | Bi [mm] | Ba [mm] | A [mm] | B [mm] |
|-------------|--------------|-----------------------------------|---------|---------|--------|--------|
| 050. ▶      | 58.05        | 906.461.1.12                      | 50      | 66      | 20     | 31     |
| 075. ▶      | 58.1         | 906.461.2.12                      | 75      | 91      | 30     | 57     |

Mounting only with hexagon socket DIN 912 M6 and washer DIN 125, 6.3mm



**Strain relief** e.g. clamps, tiwrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1392



No lateral gap to side links necessary.  
As standard separators are fitted every 2<sup>nd</sup> e-tube link!

|                         |             |           |
|-------------------------|-------------|-----------|
| Standard separator      | unassembled | 1585.01   |
|                         | assembled   | 1586.01   |
| Separator, asymmetrical | unassembled | 1585.01.A |
|                         | assembled   | 1586.01.A |

Option 1 | Separators  
Standard separator

For simple vertical subdivision. Offers security due to its wide base design, also when used with large cables or hoses.

Separator, asymmetrical

For side-mounted applications. Asymmetrical separator, no additional spacers necessary.

|                              |             |         |
|------------------------------|-------------|---------|
| Slotted separator            | unassembled | 1585.02 |
|                              | assembled   | 1586.02 |
| Full-width shelf for e-tubes | unassembled | 220.X   |
|                              | assembled   | 221.X   |

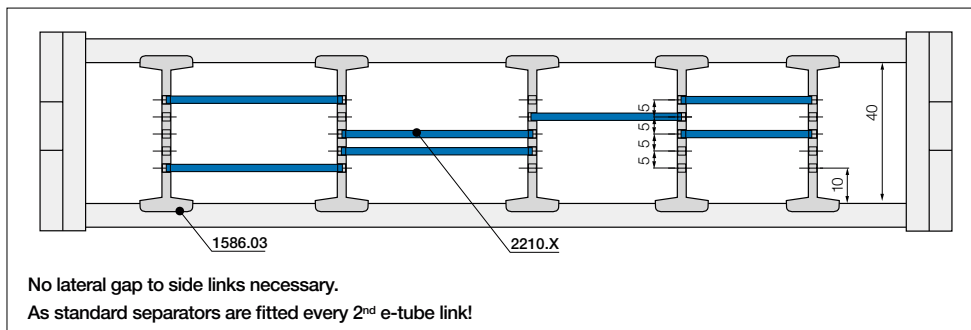
Option 2 | Full-width shelves  
Slotted separator

Vertical separation. The slot allows basic vertical/horizontal shelving arrangements.

Full-width shelf

This option is for applications with many small cables with similar diameters. For full-width separation.

| Full-width shelves<br>Width = X [mm] | X [mm] | unassembled | assembled | X [mm]  | unassembled | assembled | X [mm]  | unassembled | assembled |
|--------------------------------------|--------|-------------|-----------|---------|-------------|-----------|---------|-------------|-----------|
|                                      | 040    | 220.40      | 221.40    | 100     | 220.100     | 221.100   | 175     | 220.175     | 221.175   |
| 050                                  | 220.50 | 221.50      | 125       | 220.125 | 221.125     | 200       | 220.200 | 221.200     |           |
| 075                                  | 220.75 | 221.75      | 135       | 220.135 | 221.135     |           |         |             |           |
| 088                                  | 220.88 | 221.88      | 150       | 220.150 | 221.150     |           |         |             |           |



|  |  |
|--|--|
|  | <p><b>Slotted separator</b></p> <p>unassembled 1585.03<br/>assembled 1586.03</p> |
|  | <p><b>Shelf for e-tubes</b></p> <p>unassembled 2200.X<br/>assembled 2210.X</p>   |

**Option 3 | Partial shelves**  
**Slotted separator**

Allows modular shelving arrangements.

**Shelf**

For applications involving many cables with different diameters, shelves can be fitted at different heights.

| Shelves<br>Width = X [mm] | X [mm] | unassembled | assembled | X [mm]  | unassembled | assembled | X [mm]  | unassembled | assembled |
|---------------------------|--------|-------------|-----------|---------|-------------|-----------|---------|-------------|-----------|
|                           |        | 018         | 2200.18   | 2210.18 | 043         | 2200.43   | 2210.43 | 088         | 2200.88   |
|                           | 023    | 2200.23     | 2210.23   | 048     | 2200.48     | 2210.48   | 099     | 2200.99     | 2210.99   |
|                           | 028    | 2200.28     | 2210.28   | 058     | 2200.58     | 2210.58   | 124     | 2200.124    | 2210.124  |
|                           | 033    | 2200.33     | 2210.33   | 068     | 2200.68     | 2210.68   | 149     | 2200.149    | 2210.149  |
|                           | 038    | 2200.38     | 2210.38   | 073     | 2200.73     | 2210.73   |         |             |           |

**Separator with integrated strain relief teeth**

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

Part No. 1585.01.Z - more information ► From page 1424



White igus® e-tube series E2 R100 in a medical application