

Can be integrated into KMA mounting brackets

For up to three cables stacked

Reduced installation height, space saving

Excellent durability for dynamic applications

#### chainfix clamps – fitted safely and even faster

- Integration with KMA mounting brackets and C-profile host-option
- Easy to read part no. and lateral marking of the correct installation direction
- Reduced installation height due to optimal housing height (compared to conventional clamps up to 15 mm)
- Space- and time-saving assembly
- Delivery options for complete systems with cables and preassembled strain relief
- Improved base for easy fit on the C-profile
- Setscrews tightened with hex wrench, for easy installation
- Durability for dynamic applications through improved stacker elements: optimised stacker saddles, captive by retaining lugs
- The long contact surface of the stacker elements improves the clamp's stability
- The high rigidity of the stacker elements significantly increases the reliability
- Built-in ribs to the stacker elements - no slipping of cables within the strain relief
- Optional: CFXL clamps with increased holding force for heavy-duty applications (CFXL clamps are always assembled IN FRONT of the e-chain® - CANNOT be integrated into KMA mounting brackets with C-profile host-option!)



Available from stock. Delivery time\* from 24 hrs or same day!

\*Delivery time refers to the time until the product is shipped (after verifying technical feasibility)

#### Product range and materials

- Steel clamp: clamp and screw black painted steel
- Stainless steel clamp: clamp and screw: blank (material 1.4301/AISI 304)
- Stacker elements: bottom saddle and stacker saddle (material igumid G)
- C-profiles: steel (material galvanised steel) or stainless steel (material 1.4301/AISI 304) available

#### Installation height

If the e-chain® glides on itself for long travels, the screw heads of the strain relief at the fixed end of the e-chain® must have a distance of at least 10 mm below the top of the e-chain®. As a consequence of this, many strain relief elements described here may not be suitable for use at the fixed end on gliding e-chains®. For unsupported e-chains® these strain relief elements can be used safely.



#### Please note!

- The cables should ideally be fixed at both ends of the e-chain®. **The minimum should be to be fixed at the moving end of the e-chain®.**
- When using chainfix clamps on C-profiles in the mounting bracket for the Series: E4.32/H4.32/R4.32, 280/290 R770, 2828/2928/R7728 a shortened bottom saddle must be used. For shortened bottom saddles supplement part no. with index "K" = Example: Part no. CFX12.1K



For the following igus® series

#### E2/000

● 2400/2500/2450/2480

● 2600/2700/2650/2680

● 3400/3500/3450/3480

#### E4.1

● E4.32/H4.32/R4.32

● E4.42/H4.42/R4.42

● E4.56/H4.56/R4.56

● E4.80/H4.80/R4.80

#### E4/light

● 14040/14140/18840

● 14240/14340

● 14550/14650/19050

● 15050/15150/19850

● 15250/15350

#### E4/00

● 280/290/R770

● 380/390/R780

● 400/410/R880

#### E4/4

● 2828/2928/R7728

● 3838/3938/R7838

● 4040/4140/R8840

● 5050/5150/R9850

#### E6

● E6.40

● E6.52 / R6.52

● E6.62

● E6.80L

● E6.80



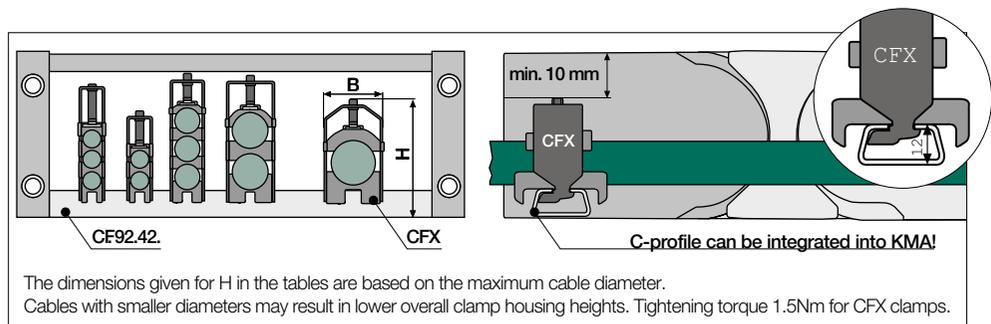
CFX - chainfix housing with reduced height



KMA mounting bracket with integrated C-profile and chainfix clamps



Save both time and space during installation of igus® chainfix clamps



The dimensions given for H in the tables are based on the maximum cable diameter. Cables with smaller diameters may result in lower overall clamp housing heights. Tightening torque 1.5Nm for CFX clamps.

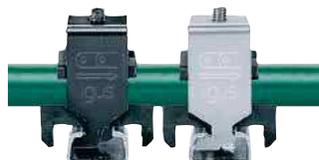


**CFX** | Standard clamps with standard base  
Suitable for C-profiles CF.92.42.XX - Can be integrated into KMA with C-profile-option!

**CFX - Single clamp housing, incl. bottom saddles**

| Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] | Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] |
|----------------|---------------------------|---------|----------------------|--------|----------------|---------------------------|---------|----------------------|--------|
| CFX12.1        | CFX12.1.E                 | 06 - 12 | 16                   | 54     | CFX26.1        | CFX26.1.E                 | 22 - 26 | 30                   | 67     |
| CFX14.1        | CFX14.1.E                 | 12 - 14 | 18                   | 50     | CFX30.1        | CFX30.1.E                 | 26 - 30 | 34                   | 71     |
| CFX16.1        | CFX16.1.E                 | 14 - 16 | 20                   | 52     | CFX34.1        | CFX34.1.E                 | 30 - 34 | 38                   | 75     |
| CFX18.1        | CFX18.1.E                 | 16 - 18 | 22                   | 54     | CFX38.1        | CFX38.1.E                 | 34 - 38 | 42                   | 79     |
| CFX20.1        | CFX20.1.E                 | 18 - 20 | 24                   | 56     | CFX42.1        | CFX42.1.E                 | 38 - 42 | 46                   | 83     |
| CFX22.1        | CFX22.1.E                 | 20 - 22 | 26                   | 58     |                |                           |         |                      |        |

\*Material stainless steel: 1.4301/AISI 304



**CFX - Double clamp housing, incl. bottom and stacker saddles**

| Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] | Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] |
|----------------|---------------------------|---------|----------------------|--------|----------------|---------------------------|---------|----------------------|--------|
| CFX12.2        | CFX12.2.E                 | 06 - 12 | 16                   | 72     | CFX22.2        | CFX22.2.E                 | 20 - 22 | 26                   | 90     |
| CFX14.2        | CFX14.2.E                 | 12 - 14 | 18                   | 74     | CFX26.2        | CFX26.2.E                 | 22 - 26 | 30                   | 109    |
| CFX16.2        | CFX16.2.E                 | 14 - 16 | 20                   | 78     | CFX30.2        | CFX30.2.E                 | 26 - 30 | 34                   | 117    |
| CFX18.2        | CFX18.2.E                 | 16 - 18 | 22                   | 82     | CFX34.2        | CFX34.2.E                 | 30 - 34 | 38                   | 125    |
| CFX20.2        | CFX20.2.E                 | 18 - 20 | 24                   | 86     |                |                           |         |                      |        |

\*Material stainless steel: 1.4301/AISI 304



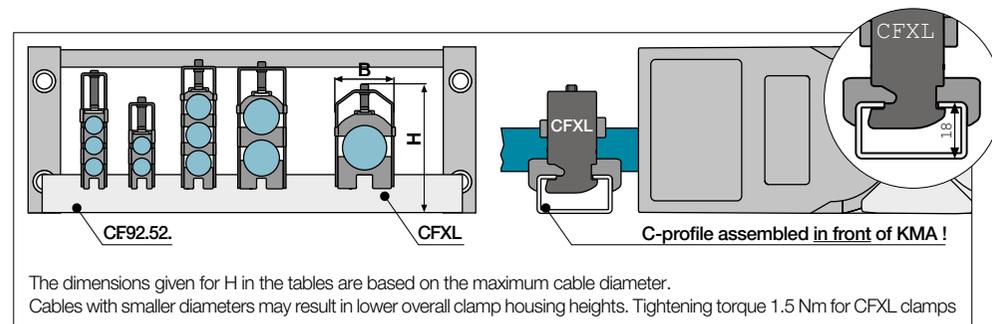
**CFX - Triple clamp housing, incl. bottom and stacker saddles**

| Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] | Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] |
|----------------|---------------------------|---------|----------------------|--------|----------------|---------------------------|---------|----------------------|--------|
| CFX12.3        | -                         | 06 - 12 | 16                   | 100    | CFX18.3        | -                         | 16 - 18 | 22                   | 108    |
| CFX14.3        | -                         | 12 - 14 | 18                   | 96     | CFX20.3        | -                         | 18 - 20 | 24                   | 114    |
| CFX16.3        | -                         | 14 - 16 | 20                   | 102    | CFX22.3        | -                         | 20 - 22 | 26                   | 120    |

\*Material stainless steel: 1.4301/AISI 304



Suitable C-profiles for CFX clamps part no. CF.92.42. ► Page 732



The dimensions given for H in the tables are based on the maximum cable diameter. Cables with smaller diameters may result in lower overall clamp housing heights. Tightening torque 1.5 Nm for CFXL clamps

**CFXL** | Clamps with wide base for increased holding power  
Suitable for C-profiles CF.92.52.XX - C-profile assembled in front of KMA! NO KMA-integration!

**CFXL - Single clamp housing, incl. bottom saddles**

| Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] | Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] |
|----------------|---------------------------|---------|----------------------|--------|----------------|---------------------------|---------|----------------------|--------|
| CFXL12.1       | CFXL12.1.E                | 06 - 12 | 16                   | 60     | CFXL26.1       | CFXL26.1.E                | 22 - 26 | 30                   | 73     |
| CFXL14.1       | CFXL14.1.E                | 12 - 14 | 18                   | 56     | CFXL30.1       | CFXL30.1.E                | 26 - 30 | 34                   | 77     |
| CFXL16.1       | CFXL16.1.E                | 14 - 16 | 20                   | 58     | CFXL34.1       | CFXL34.1.E                | 30 - 34 | 38                   | 81     |
| CFXL18.1       | CFXL18.1.E                | 16 - 18 | 22                   | 60     | CFXL38.1       | CFXL38.1.E                | 34 - 38 | 42                   | 85     |
| CFXL20.1       | CFXL20.1.E                | 18 - 20 | 24                   | 62     | CFXL42.1       | CFXL42.1.E                | 38 - 42 | 46                   | 89     |
| CFXL22.1       | CFXL22.1.E                | 20 - 22 | 26                   | 64     |                |                           |         |                      |        |

\*Material stainless steel: 1.4301/AISI 304



**CFXL - Double clamp housing, incl. bottom and stacker saddles**

| Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] | Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] |
|----------------|---------------------------|---------|----------------------|--------|----------------|---------------------------|---------|----------------------|--------|
| CFXL12.2       | CFXL12.2.E                | 06 - 12 | 16                   | 78     | CFXL22.2       | CFXL22.2.E                | 20 - 22 | 26                   | 86     |
| CFXL14.2       | CFXL14.2.E                | 12 - 14 | 18                   | 80     | CFXL26.2       | CFXL26.2.E                | 22 - 26 | 30                   | 115    |
| CFXL16.2       | CFXL16.2.E                | 14 - 16 | 20                   | 84     | CFXL30.2       | CFXL30.2.E                | 26 - 30 | 34                   | 123    |
| CFXL18.2       | CFXL18.2.E                | 16 - 18 | 22                   | 86     | CFXL34.2       | CFXL34.2.E                | 30 - 34 | 38                   | 131    |
| CFXL20.2       | CFXL20.2.E                | 18 - 20 | 24                   | 92     |                |                           |         |                      |        |

\*Material stainless steel: 1.4301/AISI 304



**CFXL - Triple clamp housing, incl. bottom and stacker saddles**

| Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] | Part no. steel | Part no. stainless steel* | ø [mm]  | B <sup>+2</sup> [mm] | H [mm] |
|----------------|---------------------------|---------|----------------------|--------|----------------|---------------------------|---------|----------------------|--------|
| CFXL12.3       | -                         | 06 - 12 | 16                   | 106    | CFXL18.3       | -                         | 16 - 18 | 22                   | 114    |
| CFXL14.3       | -                         | 12 - 14 | 18                   | 102    | CFXL20.3       | -                         | 18 - 20 | 24                   | 120    |
| CFXL16.3       | -                         | 14 - 16 | 20                   | 108    | CFXL22.3       | -                         | 20 - 22 | 26                   | 126    |

\*Material stainless steel: 1.4301/AISI 304



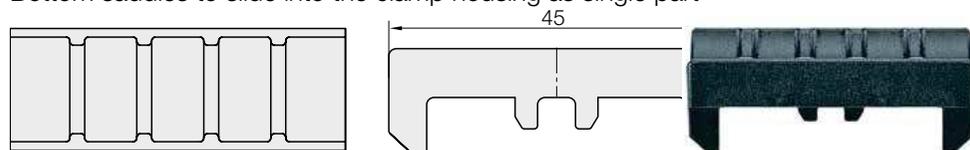
Suitable C-profiles for CFXL clamps part no. CF.92.52. ► Page 732

**Characteristics of igus® chainfix clamps - stacker elements**

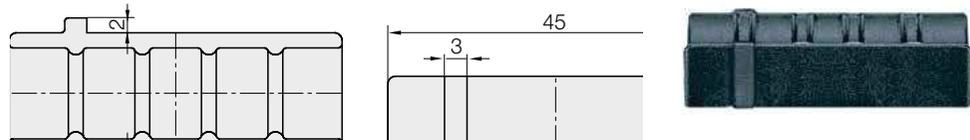
- Built-in ribs for security of cables within the strain relief
- Optimized double-trough, captive by ❶ locking spring and with ❷ spring groove for a simplified and precise installation
- Conventional stacker saddles
- Long contact surface improves the clamp's stability
- More secure due to high stiffness
- Suitable for CFX-and CFXL-clamps



Bottom saddles to slide into the clamp housing as single part

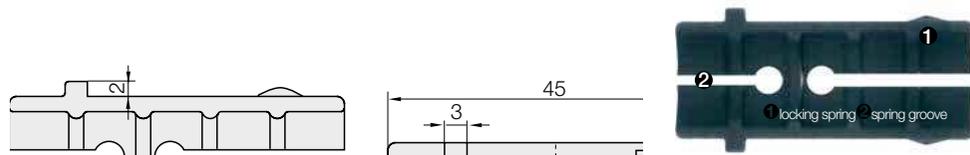


Conventional stacker saddles for all for all double and triple clamps as single part



**NEW** in this catalogue!

Optimised stacker saddles for all double and triple clamps as single part



| Part no. clamp | Part no. bottom saddle | GDXX stacker saddle | GD.XX.C stacker saddle | Cable Ø [mm] | Part no. clamp | Part no. bottom saddle | CDXX stacker saddle | CD.XX.C stacker saddle | Cable Ø [mm] |
|----------------|------------------------|---------------------|------------------------|--------------|----------------|------------------------|---------------------|------------------------|--------------|
| CFX/CFXL12.X   | CG12                   | CD12                | CD.12.C*               | 06 - 12      | CFX/CFXL26.X   | CG26                   | CD26                | CD.26.C*               | 22 - 26      |
| CFX/CFXL14.X   | CG14                   | CD14                | CD.14.C*               | 12 - 14      | CFX/CFXL30.X   | CG30                   | CD30                | CD.30.C*               | 26 - 30      |
| CFX/CFXL16.X   | CG16                   | CD16                | CD.16.C*               | 14 - 16      | CFX/CFXL34.X   | CG34                   | CD34                | CD.34.C*               | 30 - 34      |
| CFX/CFXL18.X   | CG18                   | CD18                | CD.18.C                | 16 - 18      | CFX/CFXL38.X   | CG38                   | -                   | -                      | 34 - 38      |
| CFX/CFXL20.X   | CG20                   | CD20                | CD.20.C*               | 18 - 20      | CFX/CFXL42.X   | CG42                   | -                   | -                      | 38 - 42      |
| CFX/CFXL22.X   | CG22                   | CD22                | CD.22.C*               | 20 - 22      |                |                        |                     |                        |              |



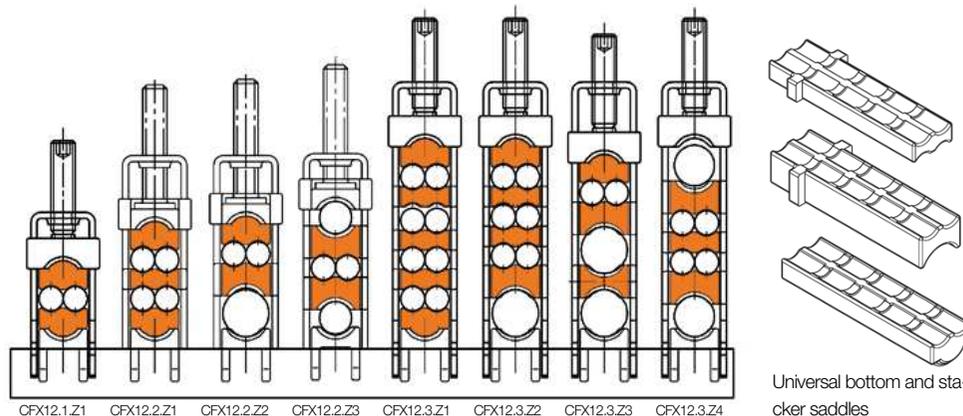
Please note: When using chainfix clamps on C-profile in the mounting bracket for Series E4.32/H4.32/R4.32, 280/290/R770, 2828/2928/R7728, 28/29/R77 a shortened bottom saddle has to be used. For shortened bottom saddles supplement part no. with index "K" = Example: Part no. CFX12.1K

**Characteristics of igus® chainfix multi-clamps**

- Now more flexible options of the proven chainfix strain relief elements with more components
- Universal strain relief – more assembly options
- Saves both time and space during installation
- Compact and modular
- For small outer diameters
- Cost-effective



CFX12 | Multi-clamps, universal strain relief



| Part no. series | Part no. stacker saddles - single parts |             |             |             | For cables Ø max. [mm] |
|-----------------|-----------------------------------------|-------------|-------------|-------------|------------------------|
|                 |                                         |             |             |             |                        |
| CFX12.1.Z1      | X (2-piece)                             | -           | -           | -           | 6                      |
| CFX12.2.Z1      | X (2-piece)                             | X (1-piece) | -           | -           | 6                      |
| CFX12.2.Z2      | X (1-piece)                             | -           | X (1-piece) | -           | 6 + 12                 |
| CFX12.2.Z3      | -                                       | -           | X (2-piece) | -           | 6 + 8                  |
| CFX12.3.Z1      | X (2-piece)                             | X (3-piece) | -           | -           | 6                      |
| CFX12.3.Z2      | X (1-piece)                             | X (2-piece) | X (1-piece) | -           | 6 + 12                 |
| CFX12.3.Z3      | X (1-piece)                             | -           | X (1-piece) | X (1-piece) | 6 + 12                 |
| CFX12.3.Z4      | -                                       | X (1-piece) | X (2-piece) | -           | 6 + 10                 |

Standard material: galvanised steel. For the stainless steel version (material 1.4301/AISI 304) supplement part no. with Index "E" = example: part no. CFX.12.3.Z1.E