

igus® chainfixstrain relief. Flexible and quickly assembled.

Strain relief from igus® specifically developed for use in e-chains® and dynamic applications. The combination of chainflex® cable materials in contact with the polymer strain relief components of igus® chainfix are designed for long cable life and maximum holding power. For a wide variety of applications igus® is the best solution in terms of cost and benefits, from the best chainfix strain relief for long travels or harsh use to chainfix Nuggets, for simple and inexpensive strain relief solutions. igus® chainfix strain relief components are proven in real use by customers around the world.





Available from stock. Delivery time* from 24h or same day! *Delivery time refers the time until the product is shipped (after verifying technical feasibility)



3D-CAD, configurators, PDF, applications ▶ www.igus.eu/chainfix ■

chainfix strain-relief systems | Overview

Clamps, steel (or stainless steel - For maximum tensile strength	► Page 75
	Clamps, saddles and bases	ø [mm]
	CFX* Single, double, triple standard clamps	6-42
	CFXL* Single, double, triple clamps with wide base for maximum tensile forces	6-42
	Clamp elements - saddles and bases	6-42
· 🔤 · · · 🔤 ·	chainfix Multi-Clamps*	6-12
C-profiles		► Page 75
	Standard C-profiles and C-profiles for heavy-duty applications	
	Standard C-profiles part no. CF.92.42. (to be integrated into KMA!)	
	C-profiles part no. CF.92.52. With increased retention force (assembly outs	ide e-chain [®]
Jniversal tiewr	ap clamps, screw or clip mounted	▶ Page 75
	chainfix tiewrap plates	ø [mm]
OM HINCO	Option 1A: Tiewrap plates as single part "Series 2000" + cable tiewraps	
	Option 1B: Tiewrap plates as single part "Series 3000" + cable tiewraps	
	Cable tiewraps as single part	max. 36
Tiewrap plates	, with clip-on connection for the C-profile	► Page 76
	chainfix tiewrap plates	
	Option 2: Tiewrap plates with clip-on connection for the C-profile	
	Option 3: Integrated strain relief for E2 e-tubes - Series R	
	Option 4: Tiewrap plates for fixed crossbars	
	Option 5: Tiewrap plates for opening crossbars	
Clips - High ter	nsile strength, modular clip-on strain relief	▶ Page 76
	chainfix clips	ø [mm]
	Option 1: for all e-chains® with C-profiles and also suitable	4-24
	for assembly in the KMA mounting brackets	
2	Option 2: Clip-on strain relief for opening crossbars	4-24
Strain relief ser	parators - with integrated teeth	► Page 76
	chainfix strain relief separator	
	Separator with integrated strain relief - for easy strain relief with cable ties	
luggets - for t	op hat rail and C-profile	► Page 76
laggete lei t		
0	chainfix nuggets	ø [mm]
	Option 1: simple and universal cable fixation, for diameter with Ø 20 mm and Ø 30 mm	≤ 30
	Option 2: Fastening through clipping onto standard top hat rail	≤ 20
Strain relief blo	ocks - special strain reliefs for hoses	► Page 76
4	Blocks	ø [mm]
9 3	Conventional igus® blocks - strain relief for hoses	4.3-14
6 % - West	CFB polymer strain relief connector system, for many cables in a confined space	

chainfix | Select your strain relief system

chainfix | Select your strain relief system

e-chains® series	Cla	mps¹)	Clip	chainfix Clip	Nugget1)	Strain relief	0: 1	0:	Clip-on for	infix tiewrap	Cross	F1-:0 @3	F
	CFX	FXL**	C-Profile ¹⁾	Crossbars ¹⁾		separator ²⁾	Single part 2000 ²⁾	Single part 30002	C-profile ²⁾	Fixed crossbar ²⁾	Cross bar ²⁾	For triflex®2)	For e-tubes
riflex®						·							
easy triflex®												E33X.XX.2	
riflex®												33X.XX	
easy chain®													
Z/Z200							20XX.ZB			2050.Z			
E/Z26								30XX.ZB					
E/Z300								30XX.ZB					
E2/000								00/01122					
1400/1500		Х				21.1.Z	20XX.ZB						
1450/1480		x				21.1.2	20XX.ZB						
		x				2000 7	20XX.ZB			2050.Z			
2400/2500						2020.Z				2000.2			
2450/2480		X			.,	2020.ZR	20XX.ZB	0010/ 75	2010/ 70				
2600/2700	X	Х	X		X	262.Z		30XX.ZB	30XX.ZC	2050.Z	2050.Z		
2650/2680	X	Х	X		X			30XX.ZB	30XX.ZC		2050.Z*		
3400/3500	X	X	Х		Х	301.Z		30XX.ZB	30XX.ZC	30XX.Z	30XX.ZS		
3450/3480	X	X	Х		X	34501.Z		30XX.ZB	30XX.ZC		30XX.ZS*		
255							20XX.ZB						
= 2													
R117/118		Х					20XX.ZB						
R157/158		X				1585.01.Z	Loronia						
R167/168	-	x				1685.01.Z							
							00VV 7D						
R48		X				481.ZR	20XX.ZB						5050 7
R58		X											5850.Z
R68		Х											30XX.Z
E4.1													
≣4.21		X				T2103.Z							
E4.28/R4.28		X				28.Z / 28.ZT	20XX.ZB				2050.Z		
E4.32/H4.32/R4.32	X	Х	Х		Х			30XX.ZB	30XX.ZC		3850.ZS		
E4.42/H4.42/R4.42	X	Х	Х		Х			30XX.ZB	30XX.ZC		3850.ZS		
E4.56/H4.56/R4.56	X	X	X	Х	X			30XX.ZB	30XX.ZC		45XX.ZS		
E4.80/H4.80/R4.80	X	X	X	X	X			30XX.ZB	30XX.ZC		45XX.ZS		
1640/R1608	X	X	^	X				30XX.ZB	00/01.20		45XX.ZS		
				^							43//.23		
800	X	X		V				30XX.ZB					
840		X		X				30XX.ZB					
E4/00													
210		Х				T2103.Z							
220/R760		X					20XX.ZB				2050.Z		
280/290/R770	X	Х	Х		X			30XX.ZB	30XX.ZC		3850.ZS		
380/390/R780	X	Х	Х		Х			30XX.ZB	30XX.ZC		3850.ZS		
400/410/R880	X	Х	Х	X	Х			30XX.ZB	30XX.ZC		45XX.ZS		
600/601/R608	X	Х		Х				30XX.ZB					
640	X	X		X				30XX.ZB					
E4/4	_ ^	^		^				JUAN.ZD					
2828/2928/R7728	V	V	V		V			30XX.ZB	30XX.ZC		3850.ZS		
	X	X	X		X								
3838/3938/R7838	X	X	X	V	X			30XX.ZB	30XX.ZC		3850.ZS		
1040/4140/R8840	X	X	X	X	Х			30XX.ZB	30XX.ZC		45XX.ZS		
5050/5150/R9850	X	X	Х	X	Х			30XX.ZB	30XX.ZC		45XX.ZS		
E4/light													
14040/14140/18840	X	Х	Х	X	X			30XX.ZB	30XX.ZC		45XX.ZS		
4240/14340	X	Х	Х		Х			30XX.ZB	30XX.ZC		3850.ZS		
4550/14650/19050	X	X	X	Х	X			30XX.ZB	30XX.ZC		45XX.ZS		
5050/15150/19850	X	X	X	X				30XX.ZB	30XX.ZC		45XX.ZS		
15250/15350	X	X	x	^				30XX.ZB	30XX.ZC		3850.ZS		
5250/15350 E6	^	Α	^					JUAN.ZD	30AA.ZU		JUJU.23		
		V				F6 00 00 7	0000 75						
E6.29		X				E6.29.02.Z	20XX.ZB						
R6.29		Х					20XX.ZB						
E6.35		Х				E6.35.02.Z	20XX.ZB						
6.40	X	X	Χ		Х	E6.40.02.Z	20XX.ZB						
6.52	X	Х	Х		Х			30XX.ZB	30XX.ZC		3850.ZS		
R6.52	X	X	X		X			30XX.ZB	30XX.ZC				
E6.62	X	X	X		X			30XX.ZB	30XX.ZC		3850.ZS		
E6.80L	X	X	x	Х	x			30XX.ZB	30XX.ZC		45XX.ZS		
			^	^	^			JUAA.ZD	30ハハ.とし		4000.20		

^{**}CFXL are always assembled in front of the e-chain® - Not integrated into KMA mounting brackets with C-profile-host option!

⁼ Recommended strain relief for selected e-chain®

¹⁾ you'll find on subsequent pages 2) you'll find on the product page of each e-chain® series

chainfix strain relief | Parameters | Overview

chainfix strain relief | Parameters | Overview

igus® d	chainfix- strain relief system	Standard	Standard	A. F.		.2 C C	
Param	eters	CFX Clamps	Tiewrap plates screwed, clip-on	Clips for C-profile or clip-on	Nuggets Strain relief nuggets	Strain relief separators	CFB strain relief connector system
	Recommended standard for the following e-chains®:	E4, E6, for all KMA* with C-profile Polymer metal mounting bracket	easychain®, E2/000, E2 e-tubes, E4, E6	E4, E6, for all KMA* with C-profile Polymer metal mounting bracket	For all KMAs* with C-profile, top-hat rails Polymer metal mounting bracket	E2/000, E2 e-tubes, E6, T3	E4, E6, for all KMA* with C-profile Polymer metal mounting bracket
•	When to use this igus® strain relief system:	accelerations, loads and demanding applications. For many cables, large cable Ø, stacked cables. For long travels, cranes, offshore, machine tools, high speed, hydraulic	For unsupported, gliding, hanging and standing applications in general	saving strain relief for many applications with medium	requirements at medium accelerations. Also available as single parts	and strain relief, ideal for confined space	strain relief with many cables in confined spaces. For applications with high accelerations and loads,
	When not to use it:	No limitation	For large cable diameters	Under high loads	Under high loads	Under high loads	No limitation
Featur	es						
Assem	ibly time index	+	+	+-	+-	+	+-
Adjust	able tensile strength	++	_	+-	-	_	+
Price I		000	•••	•••	•••	•••	000
Modul	arity	yes	yes	yes	yes	yes	yes (special fabrication)
Dynam	nics	high to very high	high	medium	high	high	high to very high

Price Index

Low price category

Medium price category Highest price category

+ + = best suitability + = good suitability

+-= suitable -= conditionally suitable All clamps were tightended with

Cable tie wraps tightened by hand.

chainfix strain relief | Clamps



Can be integrated For up to three into KMA mounting cables stacked brackets

Reduced installation Excellent durability for height, space saving 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 contract 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!)



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

chainfix strain relief | Clamps

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 aliding 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
- F4.42/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

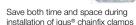
- E6.52 / R6.52
- E6.62
- E6.80L
- E6.80



CFX - chainfix housing with reduced



KMA mounting bracket with integrated C-profile and chainfix clamps



chainfix strain relief | CFX clamps

min. 10 mm C-profile can be integrated into KMA! 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.	Part no.	Ø	B+2	Н	Part no.	Part no.	Ø	B+2	Н
steel	stainless steel*	[mm]	[mm]	[mm]	steel	stainless steel*	[mm]	[mm]	[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 stain	less steel:	1.4301/	AISI 304



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

Part no. steel	Part no. stainless steel*	Ø [mm]	B ⁺² [mm]	H [mm]	Part no. steel	Part no. stainless steel*	Ø [mm]	B ⁺² [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 stair	nless steel:	1.4301/	AISI 304



CFX - Triple clamp housing, incl. bottom and stacker saddles									
Part no. steel	Part no. stainless steel*	Ø [mm]	_	H [mm]		Part no. stainless steel'	Ø [mm]	B ⁺² [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



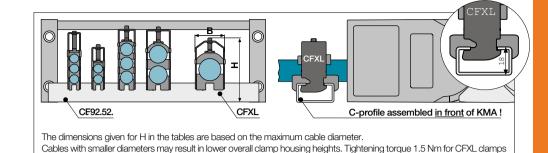
*Material stainless steel: 1.4301/AISI 304





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

chainfix strain relief Optional | 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+2 [mm]	H [mm]	Part no. steel	Part no. stainless steel*	Ø [mm]	B+2 [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 stainle	ess steel: 1.	4301/4	NSI 304



CEXL - Double clamp housing, incl. bottom and stacker saddles

Part no. steel	Part no. stainless steel*	Ø [mm]	B ⁺² [mm]	H [mm]	Part no. steel	Part no. stainless steel*	Ø [mm]	B ⁺² [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 stainle	ess steel: 1.	4301/A	ISI 304



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

Part no. steel	Part no. stainless steel*	Ø [mm]	B ⁺² [mm]	H [mm]	Part no. steel	Part no. stainless steel*	Ø [mm]	B ⁺² [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 stainle	ess steel: 1.	4301/A	AISI 304





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

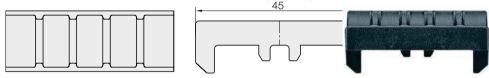
chainfix strain relief | Clamps | Single parts

Characteristics of igus® chainfix clamps - stacker elements

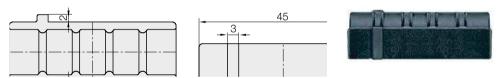
- Built-in ribs for security of cables within the strain relief
- Optimized double-trough, captive by 1 locking spring and with 2 spring groove for a simplified and precise installation
- Conventional stacker saddles
- Long contact surface improves the clamp's stability
- More secure due to high stiffness
- Suitable for CFX-and CFXL-clamps



Bottom saddles to slide into the clamp housing as single part

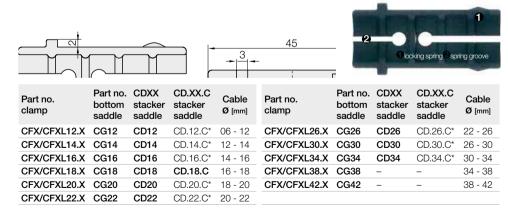


Conventional stacker saddles for all for all double and triple clamps as single part



NEW in this catalogue!

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





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

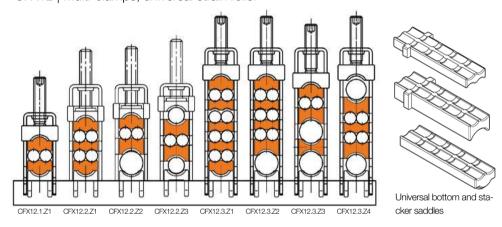
chainfix strain relief | Multi-clamps

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 sa	addles - single parts	s	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

chainfix strain relief | C-profiles

Standard C-profiles part no. CF.92.42.XX

- For all igus® CFX clamps and KMA mounting brackets with C-profile host-option
- Standard material: galvanised steel part no. CF.92.42.

 (XX=length in mm)
- Also available as stainless steel version (Material: 1.4301/AISI 304)

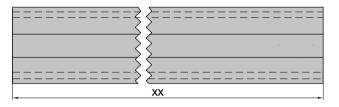
Please add index .E, example: Part no. CF.92.52.XX.XX

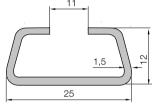
• Length tolerances of ±1 mm possible!



Standard C-profile part no. CF.92.42. | For standard applications

Can be integrated into KMA with C-profile host-option!





Optional | For heavy-duty applications

C-profiles part no. CF.92.52.XX

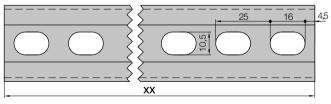
- For all igus® CFXL clamps
- With increased holding power even for harsh applications
- Standard material galvanised steel part no. CF.92.52.
 (XX) (XX = length in mm)
- Also available as stainless steel version

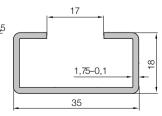
(Material: 1.4301/AISI 304) Please add Index .E, example: Part no. CF.92.52.XX.E

• Length tolerances of ±5 mm possible!



C-profile part no. CF.92.52. With increased holding power for tough applications Assembly in front of the e-chain® - NO integration into KMA!





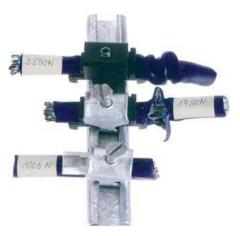
chainfix strain relief | Testing methods



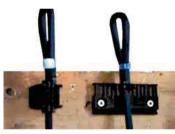
igus® tensile strength test with CFX clamps

igus® strain relief devices are tested under real conditions, taking various parameters into account

Whether under the influence of fluids like water or oil, or at different ambient temperatures. The interaction of chainfix systems with different jacket materials of cables and hoses of course plays a big role in the in-house tests. Detailed information about the tests: chainfix strain relief parameter overview ► Page 724



igus® test: Comparison of three different strain reliefs - Result: Triple tensile strength of igus® chainfix clamps compared to conventional products.



Tensile strength tests with chainflex® cables



Tensile strength tests of igus® clamps with cable tiewraps



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

chainfix strain relief | Tiewrap plates | Universal

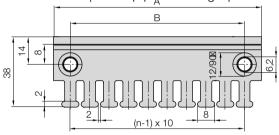
Characteristics of igus[®] chainfix tiewrap plates - Series 2000 Option 1A.: Tiewrap plates as single parts

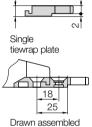
- Available as individual component
- Screwed on KMA* with C-profile (*polymer metal mounting bracket)
- Can be clipped onto the mounting bracket
- Single part for the manufacturing of switchgear cabinets or for the assembly of machines
- Accessory for igus[®] e-chain systems[®]



For the following

Series 2000 | Tiewrap plate as single part





7	2
S	ingle
ti	ewrap plate
	18 25
D	rawn assembled

2	igus® series
Single	easychain®
iewrap plate	● E200/Z200
	E2/000
	1400/1500/1450/1480
18	2400/2500/2450/2480
25	255
Drawn assembled	E2 e-tubes
	● R117/R118
	● R48
	E4.1

● F4.28

● E6.35

● E6.40

● 220 (2050.Z)

● E6.29/R6.29

E4/00

Tiewrap plate	n Number of teeth	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	Centre bore
2020.ZB	3	30	15	-	-
2030.ZB	4	40	20	-	_
2040.ZB	5	50	30	-	_
2050.ZB	6	60	40	-	_
2070.ZB	8	80	60	-	_
2090.ZB					
(= 2030.ZB + 2040.ZB)	9	90	-	-	_
2100.ZB	10	100	80	_	_
2125.ZB (= 2050.ZB + 2050.ZB)	12	120	_	_	_

Cable tiewraps separately

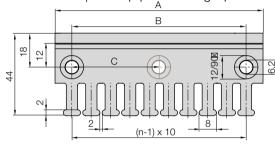
Cable tiewraps (100-piece bag)	Width x length [mm]	Maximum Ø	Pull force resistance [N]
CFB.001	4.8 x 150	36	222 N

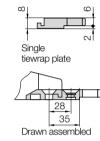
Characteristics of igus[®] chainfix tiewrap plates - Series 3000 Option 1B.: Tiewrap plates as individual parts

- Available as individual component
- Screwed on KMA* with C-profile (*polymer metal mounting bracket)
- Can be clipped onto the mounting bracket
- Single part for the manufacturing of switchgear cabinets or for the assembly of machines
- Accessory for igus[®] e-chain systems[®]



Series 3000 | Tiewrap plate as single part





1		
1		2
S	ingle	
tie	ewrap plate	
\perp		لـــــلك
	35	
D	rawn asseml	bled

Tiewrap plate	n Number of teeth	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	Centre bore
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	90	+
3225.ZB	22	225	205	102.5	+
3250.ZB	25	250	230	115	+

Cable tiewraps

Cable tiewraps (100-piece bag)	Width x length [mm]	Maximum Ø	Pull force resistance [r
CFB.001	4.8 x 150	36	222 N

For the following iaus® series

easvchain® ● E26/Z26

● E300/Z300

E2/000 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
- 1640

800

840

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
- 600/601/R608

640

● 2828/2928/R7728

- 3838/3938/R7828
- 4040/4140/R8840
- 5050/5150/R9850

E6

- E6.52/R6.52
- E6.62
- E6.80L / E6.80



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

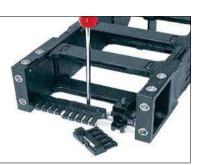
*Delivery time refers the time until the product is shipped (after verifying technical feasibility)

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

chainfix strain relief | Tiewrap plates | Optional

Characteristics of igus® chainfix tiewrap plates Option 2: With clip-on connection for the C-profile

- Can be clipped into the KMA C-profile
- Easy to assemble without any screws
- Easy to remove with screwdriver yet secure
- Single part for the manufacturing of switchgear cabinets or for the assembly of machines Accessory for igus® e-chain systems®



Option 2 | Tiewrap plate with clip-on connection for C-profile

	_
- 4	Λ
1 5	ヨΝ
- 1/2	╡丿

For all mounting brackets with C-profile!

Part no.	Width [mm]	Number of teeth	
3050.ZC	50	5	
3075.ZC	75	7	

Characteristics of igus® chainfix tiewrap plates Option 3: Integrated strain relief for E2 e-tubes - Series R

- Strain relief integrates completely into the e-tube
- Easy to assemble without any screws
- Single part for the manufacturing of switchgear cabinets or for the assembly of machines
- Accessory for igus[®] e-chain systems[®]



Option 3 | Tiewrap plate for E2 e-tubes of series R



Part no.	Width [mm]	Number of teeth	For series
3050.Z	50	5	R68
3075.Z	75	7	R68
5850.Z	46	4	R58



chainfix strain relief | Tiewrap plates | Optional

Characteristics of igus® chainfix tiewrap plates Option 4: For fixed crossbars or option 5: For opening crossbars

- Can be clipped onto fixed and opening crossbars
- In case of many harnessed cables
- Dual level strain relief
- If the KMA is too small for the C-profile
- Easy to assemble without any screws
- Accessory for igus[®] e-chain systems[®]



Option 4 | Tiewrap plate for fixed crossbars



For the following igus® series

▶ See table

Part no.	Width [mm]	Number of teeth	For series
2050.Z	60	6	E/Z200, 2400/2500, 2600/2700
3050.Z	50	5	3400/3500
3075.Z	74	7	3400/3500

Option 5 | Tiewrap plate for opening crossbars



For the following iaus® series

See table

Width Number Part no. For series of teeth 2050.Z 60 E4/H4/R4.28, 220, 2650 3035.ZS 35 3 3400/3500 3050.ZS 50 5 3400/3500 3075.ZS 75 7 3400/3500 E4/H4/R4.32, E4/H4/R4.42, 280/290/R770, 3850.ZS 48 380/390/R780,2828/2928/R7728, 3838/3938/R7838, 14240/14340, 15250/15350, E6.52, E6.62 4550.ZS E4/H4/R4.56, E4/H4/R4.80, 400/410/R880, 4040/4140/R8840, 5050/5150/R9850, 14040/14140/18840,14550/14650/19050, 15050/15150/19850, E6.80L, E6.80, 1640/1608 4575.ZS 74 E4/H4/R4.56, E4/H4/R4.80, 400/410/R880, 4040/4140/R8840, 5050/5150/R9850, 14040/14140/18840, 14550/14650/19050, 15050/15150/19850, E6.80L, E6.80.1640/1608



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

chainfix strain relief | Clip-on solutions

Characteristics of igus® chainfix clips Option 1: Modular clip-on strain relief for C-profile

- Available for all igus® e-chains® with C-profiles
- Also suitable for assembly in the KMA mounting brackets
- Polymer, for cable diameters ranging from 4 mm to 24 mm
- Quick assembly without any tools
- 2 to 3 layers on top of one another possible
- Each layer can be detached and changed later on

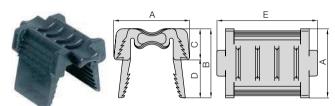


Option 1 | Clip-on strain relief for C-profile

For all mounting brackets with C-profile!

Clamp - Part no. CFC-XX-M

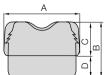
ø Cable [mm]	Part no. clamp	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	Dim. D [mm]	Dim. E [mm]
04 - 08 mm	CFC-08-M	14.5	13	5.5	7.5	30
08 - 12 mm	CFC-12-M	23.7	24	10	14	36
12 - 16 mm	CFC-16-M	32.4	32.5	13.6	18.9	42
16 - 20 mm	CFC-20-M	43.2	39.1	17.6	11.5	45
20 - 24 mm	CFC-24-M	54	49	22	27	50

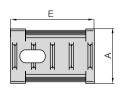


Bottom part - Part no. CFC-XX-C

ø Cable [mm]	Part no. clamp	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	Dim. D [mm]	Dim. E [mm]
04 - 08 mm	CFC-08-C	14.5	12.5	5.5	7	24
08 - 12 mm	CFC-12-C	23.8	18	11	7	28
12 - 16 mm	CFC-16-C	32.4	23.6	13.6	10	32
16 - 20 mm	CEC-20-C	43.2	24.6	17.6	7	36
20 - 24 mm	1-C	54	29	22	7	39







chainfix strain relief | Clip-on solutions

Characteristics of igus® chainfix clips Option 2: Clip-on strain relief for opening crossbars

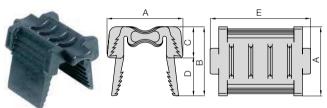
- Available for all igus® e-chains® with opening crossbars Part no. 450.XX.
- Polymer, for cable diameters from 8 mm to 12 mm
- Quick assembly without any tools
- 2 to 3 layers on top of one another possible
- Each layer can be detached and changed later on



Option 2 | Clip-on strain relief for opening crossbars

Clamp - Part no. CFC-XX-M

ø Cable [mm]	Part no.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
	clamp	[mm]	[mm]	[mm]	[mm]	[mm]
08 - 12 mm	CFC-12-M	23.7	24	10	14	36



Bottom part - Part no. CFC-XX-B

ø Cable [mm]	Part no.	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E
	clamp	[mm]	[mm]	[mm]	[mm]	[mm]
08 - 12 mm	CFC-12-B	23.8	21	13	8	38



For the following iaus® series

E٩	4.1				
_	_	 			

- E4.56/H4.56/R4.56
- E4.80/H4.80/R4.80
- 1640
- 840

E4/light

- 14040/14140
- 14550/14650
- 15050/15150

E4/00

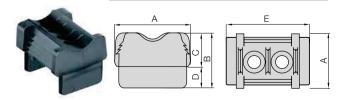
- 400/410
- 640

E4/4

- 4040/4140
- 5050/5150

E6

- E6.80L
- E6.80



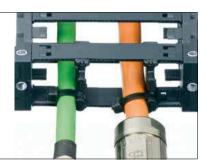


Available from stock. Delivery time* from 24 hrs or same day!

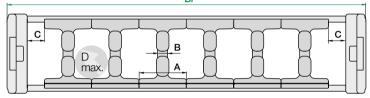


Characteristics of igus® strain relief separators Separator with integrated strain relief teeth

- To be used either at the first or last e-chain® link
- For restricted space conditions
- Easy to assemble without any screws
- The number "n" depends on the selection of the cables (diameter, type) and the available space



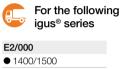
Strain relief separator | With integrated teeth



1400/1500 ▶ 21.1.Z 2 10 4	- 6
2400/2500 2020.Z 2 10 4	- 6
2450/2480 ▶ 2020.ZR 2 10 4	- 6
2600/2700 ▶ 262.Z 3 10 4	- 6
3400/3500 ▶ 301.Z 3 18 4	- 14
3450/3800 ▶ 34501.Z 3 14 4	- 10
R157/R158 ► 1585.01.Z 3 22 4	- 18
R167/R168 ► 1685.01.Z 4 22 4	- 18
R48 ▶ 481.ZR 2 10 3.5 1	10 6.5
E4.21 ► T2103.Z 2 8 4	1 4
E4.28 ▶ 28.Z 2 10 4	- 6
R4.28 ▶ 28.ZT 2 10 4	15 6
T3.29 ► E6.29.02.Z 2 8 4	1 4
E6.29/E61.29 ▶ E6.29.02.Z 2 8 4	1 4
E6.35 ▶ E6.35.02.Z 3	1 4
E6.40 ▶ E6.40.02.Z 3 13 4	- 8

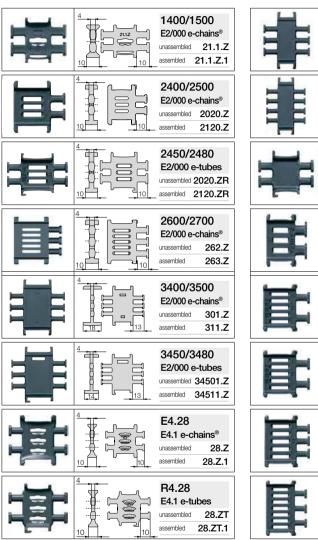


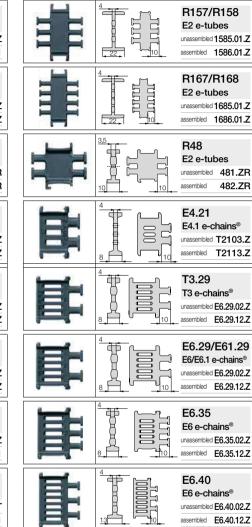
Strain relief separators are fitted either at the first or last e-chain® link. For an intermediate strain relief they can be assembled inside the e-chain®



● 1400/1500
● 2400/2500
● 2450/2480
● 2600/2700
● 3400/3500
● 3450/3480
E2 e-tubes
● R157/R158
● R167/R168
● R48
E4.1
● E4.21
● E4.28/R4.28
T3
● T3.29
E6
● E6.29
● E6.35
● E6.40
E6.1
● E61.29

Strain relief separators | Product range overview







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

chainfix strain relief | Clip-on solutions

Characteristics of igus® chainfix Nuggets Option 1: C-profile and option 2: top hat rail

- Option 1: Universal cable fixation in C-profile
- Option 2: Clip onto a top hat rail
- Simple strain relief harnessed cable tiewraps
- Very small space requirement
- Easy to assemble without any screws and tools
- Adjustable to any e-chain[®] filling



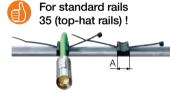
Option 1 | chainfix nuggets for C profile

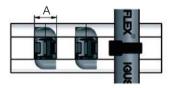
[mm]
10.8
16.4

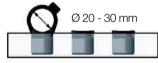


Option 2 | chainfix nuggets for top-hat rail

For top hat rail	Part no. nugget	ø Cable max. [mm]	Dim. A [mm]
Top hat rail 35	CFN.20.N35	20	20.0









chainfix strain relief | Blocks

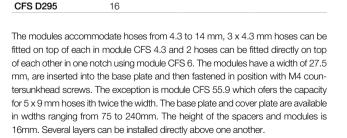
Characteristics of the special strain relief system for hoses igus® blocks

- Modular, space-saving system
- No hose damage
- Combination of hoses and cables possible
- Hose diameters from 4.3 14 mm
- Easy to assemble without any screws and tools
- Adjustable to any e-chain[®] filling



Block | Strain relief for hoses

Part no. block modules	Hose Ø [mm]	Number of hoses	Width [mm]
CFS 4,3	4.3	4 - 12	27.5
CFS 6	6	3 - 6	27.5
CFS 9	9	2	27.5
CFS 55,9	9	5	55.0
CFS 10	10	2	27.5
CFS 12	12	2	27.5
CFS 14	14	1	27.5
Part no. base plate	Part no. cover plate	Width [mm]	
CFS U75	CFS P75	75	
CFS U102,5	CFS P102,5	102.5	
CFS U130	CFS P130	130	
CFS U185	CFS P185	185	
CFS U212	CFS P212	212.5	
CFS U240	CFS P240	240	
CFS U295	CFS PD295	295	
Part no. spacer	Height [mm]		
CFS D 16	16		
CFS D 12	12		





Please contact us!



Oover plate

2Spacers

Base plate

4 Grid-dimensions modules

B = 27.5 mm. H = 16 mm





3D-CAD, configurators, PDF, applications ▶ www.igus.eu/chainfix

chainfix strain relief | Strain relief connector system

igus® CFB: Modular polymer strain relief system, can be mounted onto the C-profile

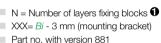
- Customised strain relief solutions can be offered
- 2 variations available
- Fast assembly by standard screw connection
- Can be mounted in the mounting bracket or in front of the e-chain®
- Customised production from 1 piece
- Low priced and effective



CFB 907.881. | Polymer strain relief connector system

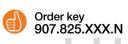
Pa	arts list	Part no.	Number
0	Outer fixing block	CFB20.1	Nx2
0	Clamping bar	907.881.1.XXX	2
0	Threaded bolt with plate	907.825.2.LLL	2
4	Hexagon nut M8	MAT 0040012	2
0	C-profile (part of KMA)	92.42.XXX	1
0	Strain relief block	customised	1



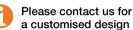


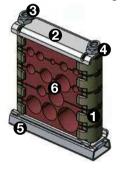
CFB 907.825. | Polymer strain relief connector system

Parts list	Part no.	Number
Outer fixing block	CFB20.1	N x 2
2 Inner fixing block	CFB20.2	N
Clamping bar	907.825.1.XXX	2
Threaded bolt with plate	907.825.2.LLL	3
6 Hexagon nut M8	MAT 0040012	3
6 C-profile (part of KMA)	92.42.XXX	1
Strain relief block	customised	1
Strain relief block	customised	1

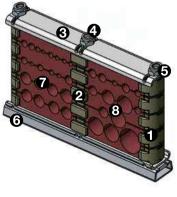


N = Number of layers fixing blocks**2** + **1** XXX= Bi - 3 mm (mounting bracket) Part no. with version 825

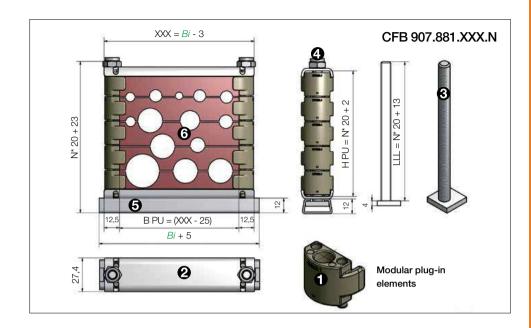


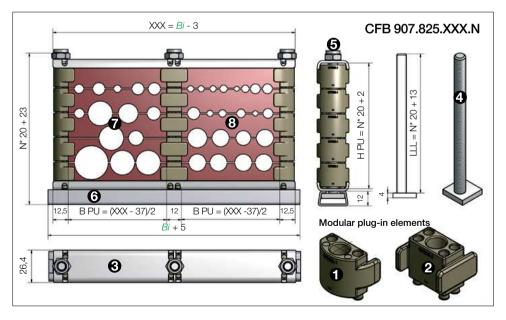


Please contact us for a customised design



chainfix strain relief | Strain relief connector system







Delivery time upon request, customer-specific manufacture!