



igus[®]
chainfix
Strain relief



The diagram shows the new CFU honeycomb strain relief for fast assembly. Simply insert cables and hoses into the honeycomb and close.

igus® chainfix strain relief. Flexible, secure and fast.

Strain relief from igus® is specifically developed for use in e-chains® and dynamic applications. The combination of chainflex® cable materials and the touching plastic components of the chainfix strain relief systems from igus®, have been designed for a long service life of cables and for maximum holding force. For a wide variety of applications, igus® offers the best solution with respect to cost and benefits. Examples are the CFXL clamps for long travels and harsh environments, the CFU.V strain relief with innovative honeycomb design for fast assembly and a high holding force or the chainfix CFN nuggets for simple and cost-effective strain relief solutions. igus® chainfix strain relief components are tested in real-life situations and have been used for years by customers around the world.



Available from stock. Ready to ship in 24 - 48hrs.*

*Average time before the ordered goods are dispatched.

chainfix strain relief systems | Selection table

C-profile - standard and for heavy-duty applications		Page
	● Standard C-profile Part No. 92.42 (can be integrated into KMA)	1432
	● C-profile Part No. 92.52 for increased holding force (mounting in front of e-chain®)	1432
Steel and stainless steel clamps - for maximum tensile forces		Page
	● CFX* single, double, triple clamps with standard base	1436
	● CFXL* single, double, triple clamps with wide base for increased holding force	1437
	● chainfix multi-clamps CFX12*	1439
	● chainfix multi-clamps CFX16*	1440
	● chainfix clamps for pneumatic hoses CFX12	1442
	● chainfix clamps for pneumatic hoses CFX16	1443
chainfix tiwrap plates - universal, bolted or clip-on		Page
	● Option 1A: tiwrap plates as individual parts "series 2000" + cable tiwraps	1446
	● Option 1B: tiwrap plates as individual parts "series 3000" + cable tiwraps	1447
chainfix tiwrap plates - optional variants		Page
	● Option 1: tiwrap plates with clip-on connection to C-profile	1448
	● Option 2: strain relief tooth for top-hat (DIN) 15 (TS92.31)	1448
	● Option 3: integrated strain relief for E2 e-tubes - series R	1449
	● Option 4: tiwrap plates for fixed crossbars	1450
	● Option 5: tiwrap plates for openable crossbars	1451
CFU.V - strain relief with innovative honeycomb design for fast assembly		Page
	● 80% faster filling (compared to CFX strain relief), openable from both sides for assembly in seconds	1452
Strain relief separators - separator with integrated strain relief teeth		Page
	● For easy strain relief with cable tiwraps	1454
CFV strain relief element - stepped strain relief		Page
	● Relieve cable strain easily, for use outside of the e-chain® section. With stepped strain relief teeth, even for fully enclosed e-tubes	1458
CFN - chainfix nuggets for C-profile and top-hat (DIN) rail 35		Page
	● Option 1: simple and universal cable fixation (for cable diameters of Ø 20mm and Ø 30mm)	1459
	● Option 2: fastening through clipping onto standard top-hat (DIN) rail 35	1459
CFB - strain relief connector system, modular and customized		Page
	● CFB polymer strain relief connector system, for many cables in a very confined space	1460

*Standard material: galvanized steel. Also available as stainless steel version (stainless steel material: 1.4301/AISI 304)

chainfix | Select your strain relief system

e-chain® Series/system	CFX clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFXL clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFU Honeycomb strain relief	CFN Nugget	Strain relief separator	CFV Stepped strain relief	Strain relief can be clipped onto mounting brackets/KMA	
E1								
E1.17.021.	—	—	—	—	—	—	—	
easy chain®								
E03	—	—	—	—	—	—	—	
E04	—	—	—	—	—	—	—	
E045/Z045	—	—	—	—	—	—	—	
E06/Z06	—	—	—	—	—	—	—	
E065/Z065	—	—	—	—	—	—	—	
E08/Z08	—	—	—	—	—	—	—	
E14/Z14	—	—	—	—	—	—	—	
E200/Z200	X ¹⁾	—	—	—	—	—	—	
E16/Z16	—	—	—	—	—	—	—	
E26/Z26	X ¹⁾	—	—	—	—	—	—	
E300/Z300	X ¹⁾	—	—	—	—	—	—	
zipper								
047	—	—	—	—	—	—	—	
07/R07	—	—	—	—	—	—	—	
09/R09	—	—	—	—	—	—	—	
15/R15	—	—	—	—	—	—	—	
17/R17	—	—	—	—	—	—	—	
E2 micro								
03	—	—	—	—	—	—	—	
04	—	—	—	—	—	—	—	
045	—	—	—	—	—	—	—	
B07	—	—	—	—	—	—	—	
06	—	—	—	—	—	—	—	
074	—	—	—	—	—	—	—	
094	—	—	—	—	—	—	—	
B09	—	—	—	—	—	—	—	
08	—	—	—	—	—	—	—	
E2 mini								
10	—	—	—	—	—	—	—	
11.031	—	—	—	—	—	—	—	
11.080	—	—	—	—	—	—	—	
11.1/11.2	—	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	
B15/B15i	—	—	—	—	—	—	—	
B17/B17i	—	—	—	—	—	—	—	
F17	—	—	—	—	—	—	—	

1) Assemble before the mounting bracket (CFXL clamps are always assembled before the mounting bracket in a separate C-profile 92.52.XXX)

2) Can be found on the product page of each e-chain® series

3) Half e-tube only

4) For KMA mounting bracket only

5) Combined with other components, CFX standard clamps become multi-clamps or clamps for pneumatic hoses

 = Recommended strain relief for selected e-chain®

chainfix | Select your strain relief system

e-chain® Series/system	CFX clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFXL clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFU Honeycomb strain relief	CFN Nugget	Strain relief separator	CFV Stepped strain relief	Strain relief can be clipped onto mounting brackets/KMA	
E2.1 micro								
E2.10	—	—	—	—	—	—	—	
E2.15	—	—	—	—	—	—	—	
E2.17	—	—	—	—	—	—	—	
E2.1								
E2.21	X ¹⁾	X ¹⁾	—	—	—	—	—	
E2.26	X ¹⁾	X ¹⁾	—	—	26.Z ⁴⁾	—	—	
E2.38	X ¹⁾	X ¹⁾	—	X	—	CFV.42.C	—	
E2.48	X ¹⁾	X ¹⁾	X ¹⁾	X	—	CFV.42.C	—	
E2/000								
1400/1500	X ¹⁾	X ¹⁾	—	—	21.1.Z	—	—	
1450/1480	X ¹⁾	X ¹⁾	—	—	21.1.Z	—	—	
2400/2500	X ¹⁾	X ¹⁾	—	—	2020.Z	—	—	
2450/2480	X ¹⁾	X ¹⁾	—	—	2020.ZR	—	—	
2600/2700	X	X ¹⁾	—	X	262.Z	CFV.42.C	—	
2650/2680	X	X ¹⁾	—	X	—	CFV.42.C	—	
3400/3500	X	X ¹⁾	X ¹⁾	X	301.Z	CFV.42.C	—	
3450/3480	X	X ¹⁾	X ¹⁾	X	34501.Z	CFV.42.C	—	
255	—	—	—	—	—	—	—	
E2 R100								
R117/118	X ¹⁾	X ¹⁾	—	—	—	—	—	
R157/158	X ¹⁾	X ¹⁾	—	—	1585.01.Z	—	—	
R167/168	X ¹⁾	X ¹⁾	X ¹⁾	—	1685.01.Z	—	—	
E2 R								
R48	X ¹⁾	X ¹⁾	—	—	481.ZR	—	—	
R58	X ¹⁾	X ¹⁾	—	—	—	—	—	
R68	X ¹⁾	X ¹⁾	X ¹⁾	—	—	—	—	
R2.1								
R2.26	X ¹⁾	X ¹⁾	—	—	R2.26.Z	CFV.R2.26.Z	—	
R2.40	X ¹⁾	X ¹⁾	—	—	R2.40.Z	CFV.R2.40.Z	—	
R2.48	X ¹⁾	X ¹⁾	X ¹⁾	—	—	CFV.R2.48.Z	—	
R2.75	X ¹⁾	X ¹⁾	—	—	—	CFV.80.C	—	
RX								
RX32	—	—	—	—	—	—	X	
RX40	—	—	—	—	—	—	X	
RX48	—	—	—	—	—	—	X	
RX56	—	—	—	—	—	—	On request	

1) Assemble before the mounting bracket (CFXL clamps are always assembled before the mounting bracket in a separate C-profile 92.52.XXX)

2) Can be found on the product page of each e-chain® series

3) Half e-tube only

4) For KMA mounting bracket only

5) Combined with other components, CFX standard clamps become multi-clamps or clamps for pneumatic hoses

= Recommended strain relief for selected e-chain®

Tiewrap plate Series 2000	Tiewrap plate Series 3000	Tiewrap plate with clip-on connection to C-profile	Tiewrap plate for fixed crossbars	Tiewrap plate for openable crossbars	Tiewrap plate for triflex® R and triflex® 2)	Tiewrap plate for E2 e-tubes	Tiewrap plate/ teeth directly molded on the mounting bracket	CFB Strain relief connector system
—	—	—	—	—	—	—	X	—
—	—	—	—	—	—	—	X	—
—	—	—	—	—	—	—	X	—
—	—	—	—	—	—	—	X	—
2XXX.ZB	—	—	—	—	—	—	—	—
2XXX.ZB	3XXX.ZB	—	C.2.522.XXX.ZS	—	—	—	—	—
—	3XXX.ZB	—	C.2.522.XXX.ZS	—	—	—	—	—
2XXX.ZB	—	—	—	—	—	—	X	—
2XXX.ZB	—	—	—	—	—	—	X	—
2XXX.ZB	—	—	2050.Z	—	—	—	—	—
2XXX.ZB	—	—	—	—	—	—	—	—
2XXX.ZB	3XXX.ZB	30XX.ZC	2050.Z	2050.Z	—	—	—	On request
—	3XXX.ZB	30XX.ZC	—	2050.Z ³⁾	—	—	—	On request
—	3XXX.ZB	30XX.ZC	30XX.Z	30XX.ZS	—	—	—	On request
—	3XXX.ZB	30XX.ZC	—	30XX.ZS ³⁾	—	—	—	On request
2XXX.ZB	—	—	—	—	—	—	—	—
2XXX.ZB	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
2XXX.ZB	—	—	—	—	—	—	—	—
—	—	—	—	—	—	5850.Z	—	—
—	—	—	—	—	—	30XX.Z	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	3XXX.ZB	30XX.ZC	—	—	—	—	—	—
—	3XXX.ZB	30XX.ZC	—	—	—	—	—	—
—	—	—	—	—	—	—	—	X
—	—	—	—	—	—	—	—	X
—	—	—	—	—	—	—	—	X
—	—	—	—	—	—	—	—	X

chainfix | Select your strain relief system

e-chain® Series/system	CFX clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFXL clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFU Honeycomb strain relief	CFN Nugget	Strain relief separator	CFV Stepped strain relief	Strain relief can be clipped onto mounting brackets/KMA	
E4.1L								
E4.31L/R4.31L	X ¹⁾	X ¹⁾	—	—	31.Z	CFV.31.N15	—	
E4.38L/R4.38L	X	X ¹⁾	—	X	38.Z	CFV.42.C	—	
E4.48L/R4.48L	X	X ¹⁾	X ¹⁾	X	48.Z / 48.ZS	CFV.42.C	—	
E4.64L	X	X ¹⁾	—	X	—	CFV.42.C	—	
E4Q								
E4Q.34/E4Q.34	X	X ¹⁾	—	X	—	CFV.42.C	—	
E4Q.44/E4Q.44	X	X ¹⁾	X ¹⁾	X	—	CFV.42.C	—	
E4Q.58/E4Q.58	X	X ¹⁾	—	X	—	CFV.80.C	—	
E4Q.82/E4Q.82	X	X ¹⁾	—	X	—	CFV.80.C	—	
E4.1								
E4.21	X ¹⁾	X ¹⁾	—	—	T2103.Z	—	—	
E4.28/R4.28	X ¹⁾	X ¹⁾	—	—	28.Z / 28.ZT	—	—	
E4.32/H4.32/R4.32	X	X ¹⁾	—	X	—	CFV.42.C	—	
E4.42/H4.42/R4.42	X	X ¹⁾	X ¹⁾	X	—	CFV.42.C	—	
E4.56/H4.56/R4.56	X	X ¹⁾	—	X	—	CFV.80.C	—	
E4.80/H4.80/R4.80	X	X ¹⁾	—	X	—	CFV.80.C	—	
E4.112	X ¹⁾	X ¹⁾	—	—	—	—	—	
E4.162	X ¹⁾	X ¹⁾	—	—	—	—	—	
800	X ¹⁾	X ¹⁾	—	—	—	—	—	
840	X ¹⁾	—	—	—	—	—	—	
E4/light								
14040/14140/18840	X	X ¹⁾	—	X	—	—	—	
14240/14340	X	X ¹⁾	—	X	—	—	—	
14550/14650/19050	X	X ¹⁾	—	X	—	—	—	
15050/15150/19850	X	X ¹⁾	—	—	—	—	—	
15250/15350	X	X ¹⁾	—	—	—	—	On request	
1640/R1608	X	X ¹⁾	—	—	—	—	On request	
YE								
YE.42	X ¹⁾	X ¹⁾	—	—	—	—	—	
YE.56	X ¹⁾	X ¹⁾	—	—	—	—	—	

1) Assemble before the mounting bracket (CFXL clamps are always assembled before the mounting bracket in a separate C-profile 92.52.XXX)

2) Can be found on the product page of each e-chain® series

3) Half e-tube only

4) For KMA mounting bracket only

5) Combined with other components, CFX standard clamps become multi-clamps or clamps for pneumatic hoses

X = Recommended strain relief for selected e-chain®

	Tiewrap plate Series 2000	Tiewrap plate Series 3000	Tiewrap plate with clip-on connection to C-profile	Tiewrap plate for fixed crossbars	Tiewrap plate for openable crossbars	Tiewrap plate for triflex® R and triflex® 2)	Tiewrap plate for E2 e-tubes	Tiewrap plate/ teeth directly molded on the mounting bracket	CFB Strain relief connector system
	–	–	2010.ZH	–	–	–	–	–	–
	–	3XXX.ZB	30XX.ZC	–	C622.100.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	C622.100.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	–	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	–	–	–	–	–
	–	3XXX.ZB	30XX.ZC	–	–	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	–	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	–	–	–	–	X
	2XXX.ZB	–	–	–	–	–	–	–	–
	2XXX.ZB	–	–	–	2050.Z	–	–	–	–
	–	3XXX.ZB	30XX.ZC	–	3850.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	3850.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	45XX.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	45XX.ZS	–	–	–	X
	–	3XXX.ZB	–	–	45XX.ZS	–	–	–	X
	–	3XXX.ZB	–	–	–	–	–	–	X
	–	3XXX.ZB	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	3XXX.ZB	30XX.ZC	–	45XX.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	3850.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	45XX.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	45XX.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	3850.ZS	–	–	–	X
	–	3XXX.ZB	–	–	45XX.ZS	–	–	–	–
	–	–	–	–	3850.ZS	–	–	–	–
	–	–	–	–	45XX.ZS	–	–	–	–

chainfix | Select your strain relief system

e-chain® Series/system	CFX clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFXL clamp, (incl. multi-clamp and clamp for pneumatic hoses)	CFU Honeycomb strain relief	CFN Nugget	Strain relief separator	CFV Stepped strain relief	Strain relief can be clipped onto mounting brackets/KMA	
T3								
T3.29	—	—	—	—	E6.29.02.Z	—	20XX.ZB	
E3								
E3.10	—	—	—	—	—	—	E3.00.020	
E3.15	—	—	—	—	—	—	E3.00.020	
E3.22	—	—	—	—	—	—	E3.00.020	
E6.1								
E61.29/EF61.29	X ¹⁾	X ¹⁾	—	—	E6.29.02.Z	—	—	
E61.35	X ¹⁾	X ¹⁾	—	—	E6.35.02.Z	—	—	
E61.40	X	X ¹⁾	—	X	E6.40.02.Z	—	—	
E61.52	X	X ¹⁾	—	X	—	—	—	
E61.62	X	X ¹⁾	—	X	—	—	—	
E61.80	X	X ¹⁾	—	X	—	—	—	
E6								
E6.29	X ¹⁾	X ¹⁾	—	—	E6.29.02.Z	—	—	
R6.29	X ¹⁾	X ¹⁾	—	—	—	—	—	
E6.35	X ¹⁾	X ¹⁾	—	—	E6.35.02.Z	—	—	
E6.40	X	X ¹⁾	—	X	E6.40.02.Z	—	—	
E6.52	X	X ¹⁾	—	X	—	—	—	
R6.52	X	X ¹⁾	—	X	—	—	—	
E6.62	X	X ¹⁾	—	X	—	—	—	
E6.80L	X	X ¹⁾	—	X	—	—	—	
C6								
C6.29	X ¹⁾	X ¹⁾	—	—	C6.29.5.Z	—	—	
C6.38	X ¹⁾	X ¹⁾	—	—	C6.38.5.Z	—	—	
C6.53	X	X ¹⁾	—	—	—	—	—	
e-skin®								
SK28	—	—	—	—	—	—	2000.077.ZB	
SK40	—	—	—	—	—	—	2000.077.ZB	
triflex® R								
TRC	X ¹⁾	X ¹⁾	—	—	—	—	—	
TRC	X ¹⁾	X ¹⁾	—	—	—	—	—	
TRCF	X ¹⁾	X ¹⁾	—	—	—	—	—	
TRL	X ¹⁾	X ¹⁾	—	—	—	—	—	
TRLF	X ¹⁾	X ¹⁾	—	—	—	—	—	
triflex®								
easy triflex®	X ¹⁾	—	—	—	—	—	—	
triflex®	X ¹⁾	—	—	—	—	—	—	

1) Assemble before the mounting bracket (CFXL clamps are always assembled before the mounting bracket in a separate C-profile 92.52.XXX)

2) Can be found on the product page of each e-chain® series

3) Half e-tube only

4) For KMA mounting bracket only

5) Combined with other components, CFX standard clamps become multi-clamps or clamps for pneumatic hoses

X = Recommended strain relief for selected e-chain®



	Tiewrap plate Series 2000	Tiewrap plate Series 3000	Tiewrap plate with clip-on connection to C-profile	Tiewrap plate for fixed crossbars	Tiewrap plate for openable crossbars	Tiewrap plate for triflex® R and triflex® 2)	Tiewrap plate for E2 e-tubes	Tiewrap plate/ teeth directly molded on the mounting bracket	CFB Strain relief connector system
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	2XXX.ZB	–	–	–	–	–	–	–	–
	2XXX.ZB	–	–	–	–	–	–	–	X
	2XXX.ZB	–	–	–	–	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	2050.Z	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	3850.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	45XX.ZS	–	–	–	X
	2XXX.ZB	–	–	–	–	–	–	–	–
	2XXX.ZB	–	–	–	–	–	–	–	–
	2XXX.ZB	–	–	–	–	–	–	–	X
	2XXX.ZB	–	–	–	–	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	2050.Z	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	–	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	3850.ZS	–	–	–	X
	–	3XXX.ZB	30XX.ZC	–	45XX.ZS	–	–	–	X
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	3XXX.ZB	30XX.ZC	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	X	–	–	–
	–	–	–	–	–	X	–	–	–
	–	–	–	–	–	X	–	–	–
	–	–	–	–	–	X	–	–	–
	–	–	–	–	–	X	–	–	–
	–	–	–	–	–	E33X.XX.2	–	–	
	–	–	–	–	–	33X.XX	–	–	

chainfix strain relief | Parameters | Overview

igus® chainfix strain relief system



		CFX - clamps	Tiewrap plates - bolted, clip-on	CFU.V - with innovative honeycomb design	
	Recommended standard for the following e-chains®:	E4, E6, for all KMA* with C-profile *Plastic metal mounting bracket	easy chain®, E2/000, E2 e-tubes, E4, E6	E2.48, 3400/3500, 3450/3480, R68, R167/168, R2.48, E4.48L/R4.48L, E4.42/H4.42/R4.42, E61.52, E6.52/R6.52	
	When to use this strain relief?	Standard for high accelerations, loads and demanding applications. For many cables, large cable diameters and stacked cables. For long travels, cranes, offshore, machine tools, high speeds and hydraulic cables.	Standard for many applications at medium and low accelerations. For unsupported, gliding, hanging and standing applications in general machinery and machine tools. For cables side by side. Also available as an individual part, for example in control cabinets.	CFU.V strain relief with innovative honeycomb design for fast assembly and high holding force. Openable on both sides. Easy positioning of cables for a variable filling. Cables with different diameters can be strain-relieved easily in one layer. Different attachment options in front of the e-chain®, strain relief can be screwed in from above and below.	
	When do I not take them:	No limitation	For large cable diameters	For high loads and large cable diameters	

Properties

Assembly time index	+	+	+++	
Definable tensile strength	++	—	+	
Price index	●●●	●●●	●●●	
Modularity	yes	yes	yes	
Dynamics	high to very high	high	medium	

Price index

- low price category
- medium price category
- highest price category

- +++ = best suitability
- ++ = good suitability
- + = suitable
- = limited suitability

			
CFN nuggets	Strain relief separators	CFV - strain relief element	CFB - strain relief connector system
For all KMA* with C-profile or top-hat (DIN) rail 35 *Plastic metal mounting bracket	E2/000, E2 e-tubes, E6, T3	E2/000, R2.1, E4.1L, E4.1	E4, E6, for all KMA* with C-profile *Plastic metal mounting bracket
Cost-effective, fast strain relief for simpler application with small spaces and medium accelerations. Also available as single parts for fixed applications, e.g. in cabinets, etc.	Combination of separator and strain relief, ideal for small spaces. For applications with medium accelerations. For small cable diameters. Ideal for e-tubes. For machine tools and automation.	For both e-chains® and e-tubes. Stepped strain relief for use outside of the energy chain cross section - even with different connectors. A subsequent installation is possible. Easy installation in a top-hat (DIN) rail 15 (TS92.31) or in the C-profile of the KMA mounting brackets.	Space-saving, modular strain relief with many cables in confined spaces. For applications with high accelerations and loads e.g. machine tools.
For high loads	For high loads	For high loads	No limitation
+ - - ● ● ● yes high	+ - ● ● ● yes high	++ - ● ● ● yes medium	+ - + ● ● ● yes (special fabrication) high to very high

Standard C-profile Part No. 92.42.XXX

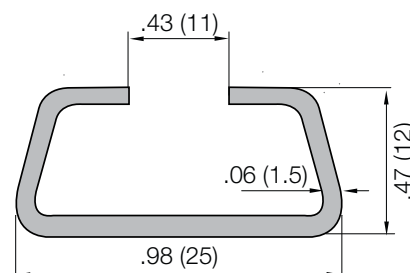
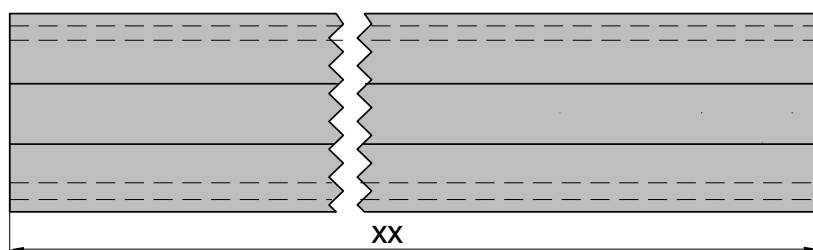
- For all igus® CFX clamps and KMA mounting brackets with C-profile option
- Standard material galvanized steel
- Also available as stainless steel* version
- Length tolerances for C-profiles of $\pm .04"$ (1mm) possible!

Complete Part No. with the required length **XXX** in mm. Example: **92.42.075** for 75mm.

*For stainless steel material AISI 304, please add index **.E**. Example: **92.42.075.E**

**Standard C-profile Part No. 92.42. | For standard applications**

Can be integrated into KMA with C-profile option!

**Optional | For heavy-duty applications****C-profile Part No. 92.52.XXX**

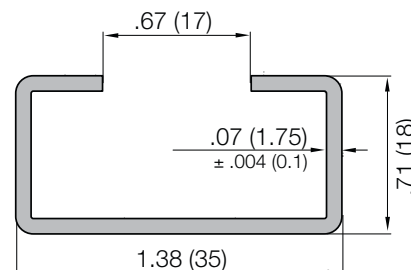
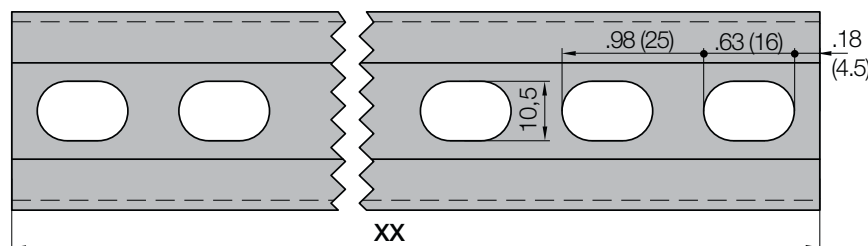
- For all igus® CFXL clamps
- With increased holding force - even for harsh applications
- Standard material galvanized steel
- Also available as stainless steel* version
- Length tolerances for C-profiles of $\pm .20"$ (5mm) possible!

Complete Part No. with the required length **XXX** in mm. Example: **92.52.075** for 75mm.

*For stainless steel material AISI 304, please add index **.E**. Example: **92.52.075.E**

**C-profile Part No. 92.52 | For increased holding force for harsh applications**

Always assembled in front of the e-chain®. Cannot be integrated into KMA!

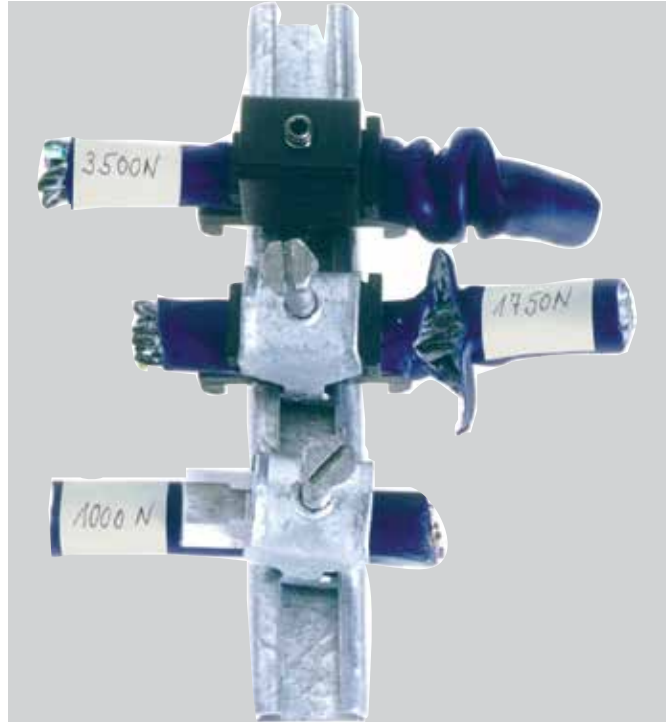


igus® chainfix strain relief devices are tested in the in-house igus® laboratory under real-world conditions, taking many parameters into account

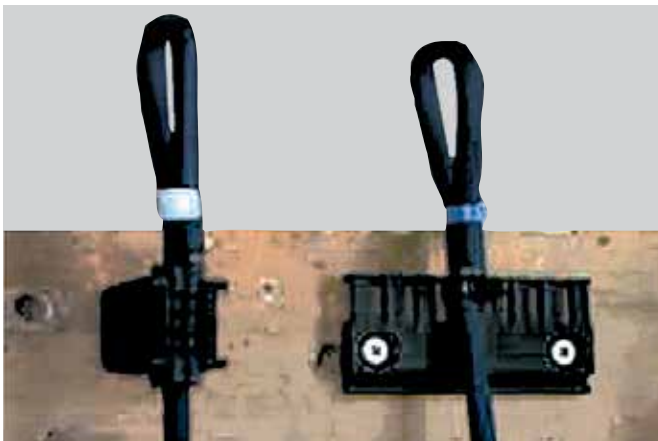
Whether under the influence of fluids like water or oil, or at different ambient temperatures. The interaction of chainfix systems with different jacket materials of cables and hoses plays a big role in the in-house test program.



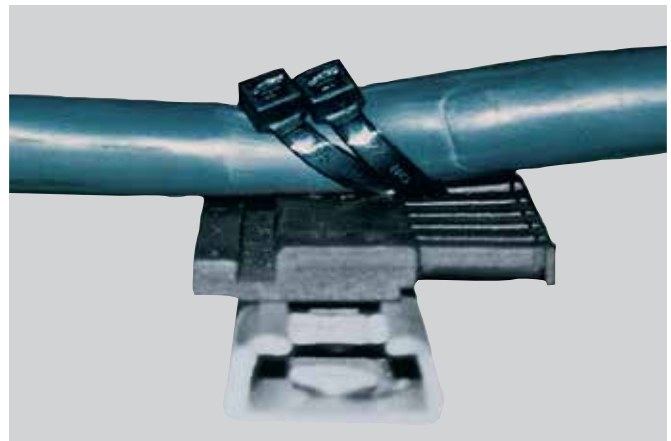
igus® tensile strength test CFX clamps with stacker saddle.
Conclusion: the tensile strength of igus® chainfix clamps is three times higher when compared with conventional strain relief



Comparison test of three different strain relief systems.
Conclusion: the tensile strength of igus® chainfix clamps is three times higher when compared with conventional strain relief



Tensile strength tests with chainflex® cables



Tensile strength tests of igus® chainfix tiwrap plate with cable tiwraps



Can be integrated
into igus® KMA
mounting bracket

For up to three
cables stacked
above one another

Reduced
installation height,
space-saving

High strength
for dynamic
applications

chainfix clamps - fitted quickly and securely

- CFX clamps with special stacker saddles for strain relief of pneumatic hoses without crushing them or reducing the cross-section
- Sizes for cable diameters 1.65"-1.81" (42-46mm) and 1.81"-1.97" (46-50mm) are also available
- chainfix clamps with up to .59" (15mm) reduced installation height compared to conventional clamps due to optimized housing height
- Tested: up to 3.5 times higher force absorption compared to conventional clamps
- Easy to read the part number and mark indicating the correct installation direction
- Space and time-saving assembly
- Delivery options for complete systems with cables and pre-assembled strain relief
- Improved base for easier fit into the C-profile
- Simple assembly with threaded pins screwed with an Allen wrench
- Durability for dynamic applications with improved stacker elements
- Integrated ribs on the stacker elements prevent the cables from coming loose from the strain relief
- Optional: CFXL clamps for increased holding force for heavy-duty applications (**note:** CFXL clamps are always assembled in front of the e-chain®. They cannot be integrated into KMA mounting brackets with C-profile option!)



Available from stock. **Ready to ship in 24 - 48hrs.***

*Average time before the ordered goods are dispatched.

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 (igumid G material)
- Steel C-profile available (material galvanized steel)
- Stainless steel C-profile available (material 1.4301/AISI 304)

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 10mm from the top of the e-chain®. As a result, many strain relief elements described here may not be suitable for use at the fixed end on long gliding e-chains®. For unsupported e-chains®, strain relief elements can always be safely used.



Please note

- The cables should ideally be fixed at both ends of the e-chain®.
- **As a minimum they need to be attached at the moving end of the e-chain®!**
- When using chainfix clamps on C-profiles in the mounting bracket for the series E4.38L/R4.38L, E4Q.34/H4Q.34, E4.32/H4.32/R4.32 (also for the classic series 280/290/R770, 2828/2928/R7728), a shortened bottom saddle must be used. For shortened bottom saddles, please add the part number with index **K**. Example: **Part No. CFX12.1K**



CFX - reduced installation height due to threaded pin and optimal housing height



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



For the following igus® series

E2.1

- E2.38
- E2.48

E2/000

- 2600/2700/2650/2680
- 3400/3500/3450/3480

E4.1L

- E4.38L/R4.38L
- E4.48L/R4.48L
- E4.64L

E4Q

- E4Q.34/H4Q.34
- E4Q.44/H4Q.44
- E4Q.58/H4Q.58
- E4Q.82/H4Q.82

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
- E4.112/R4.112
- E4.162

E4/light

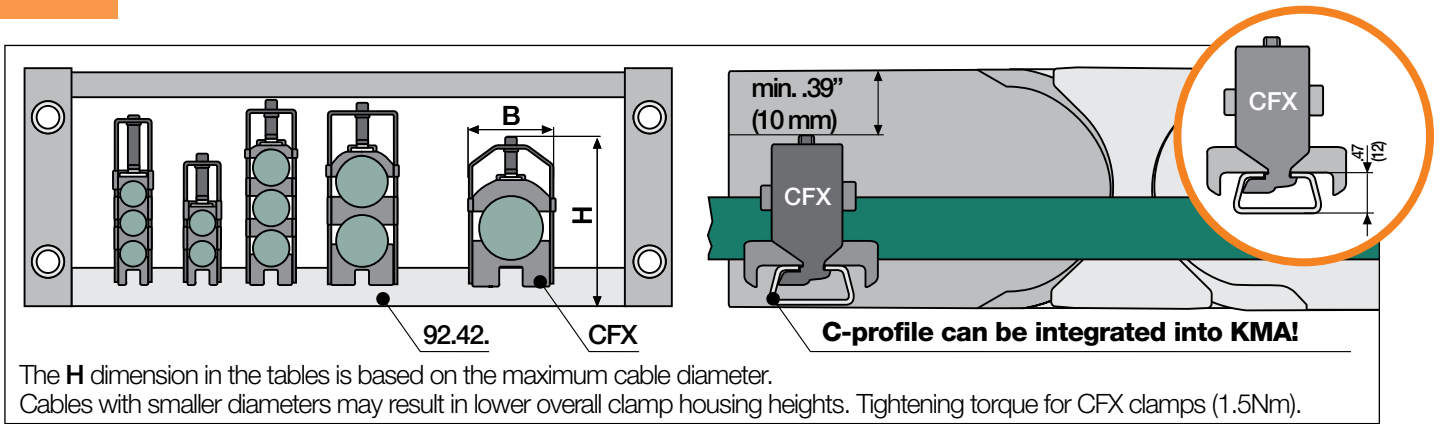
- 14040/14140/18840
- 14240/14340
- 14550/14650/19050
- 15050/15150/19850
- 15250/15350

E6.1

- E61.40
- E61.52
- E61.62
- E61.80

E6

- E6.40
- E6.52/R6.52
- E6.62
- E6.80L
- E6.80



CFX | Standard clamps with standard base

(suitable for C-profile 92.42.XXX - can be integrated into KMA with C-profile option)

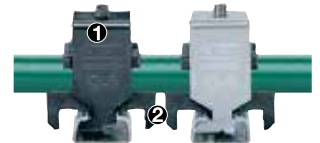
Single clamp housing, includes bottom saddle

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFX12.1	CFX12.1.E	.24 - .47 (6 - 12)	.63 (16)	1.57 (40)
CFX14.1	CFX14.1.E	.47 - .55 (12 - 14)	.71 (18)	1.97 (50)
CFX16.1	CFX16.1.E	.55 - .63 (14 - 16)	.79 (20)	2.05 (52)
CFX18.1	CFX18.1.E	.63 - .71 (16 - 18)	.87 (22)	2.13 (54)
CFX20.1	CFX20.1.E	.71 - .79 (18 - 20)	.94 (24)	2.20 (56)
CFX22.1	CFX22.1.E	.79 - .87 (20 - 22)	1.02 (26)	2.28 (58)
CFX26.1	CFX26.1.E	.87 - 1.02 (22 - 26)	1.18 (30)	2.64 (67)

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFX30.1	CFX30.1.E	1.02 - 1.18 (26 - 30)	1.34 (34)	2.80 (71)
CFX34.1	CFX34.1.E	1.18 - 1.34 (30 - 34)	1.50 (38)	2.95 (75)
CFX38.1	CFX38.1.E	1.34 - 1.50 (34 - 38)	1.65 (42)	3.11 (79)
CFX42.1	CFX42.1.E	1.50 - 1.65 (38 - 42)	1.81 (46)	3.27 (83)
CFX46.1	CFX46.1.E	1.65 - 1.81 (42 - 46)	2.01 (51)	4.53 (115)
CFX50.1	CFX50.1.E	1.81 - 1.97 (46 - 50)	2.20 (55)	4.76 (121)

*Stainless steel material: 1.4301/AISI 304

- ① Clamp
- ② Bottom saddle
- ③ Stacker saddle



Double clamp housing, includes bottom and stacker saddles

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFX12.2	CFX12.2.E	.24 - .47 (6 - 12)	.63 (16)	2.83 (72)
CFX14.2	CFX14.2.E	.47 - .55 (12 - 14)	.71 (18)	2.91 (74)
CFX16.2	CFX16.2.E	.55 - .63 (14 - 16)	.79 (20)	3.07 (78)
CFX18.2	CFX18.2.E	.63 - .71 (16 - 18)	.87 (22)	3.23 (82)
CFX20.2	CFX20.2.E	.71 - .79 (18 - 20)	.94 (24)	3.38 (86)

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFX22.2	CFX22.2.E	.79 - .87 (20 - 22)	1.02 (26)	3.54 (90)
CFX26.2	CFX26.2.E	.87 - 1.02 (22 - 26)	1.18 (30)	4.29 (109)
CFX30.2	CFX30.2.E	1.02 - 1.18 (26 - 30)	1.34 (34)	4.61 (117)
CFX34.2	CFX34.2.E	1.18 - 1.34 (30 - 34)	1.50 (38)	4.92 (125)

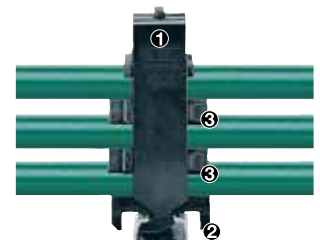


Triple clamp housing, includes bottom and stacker saddles

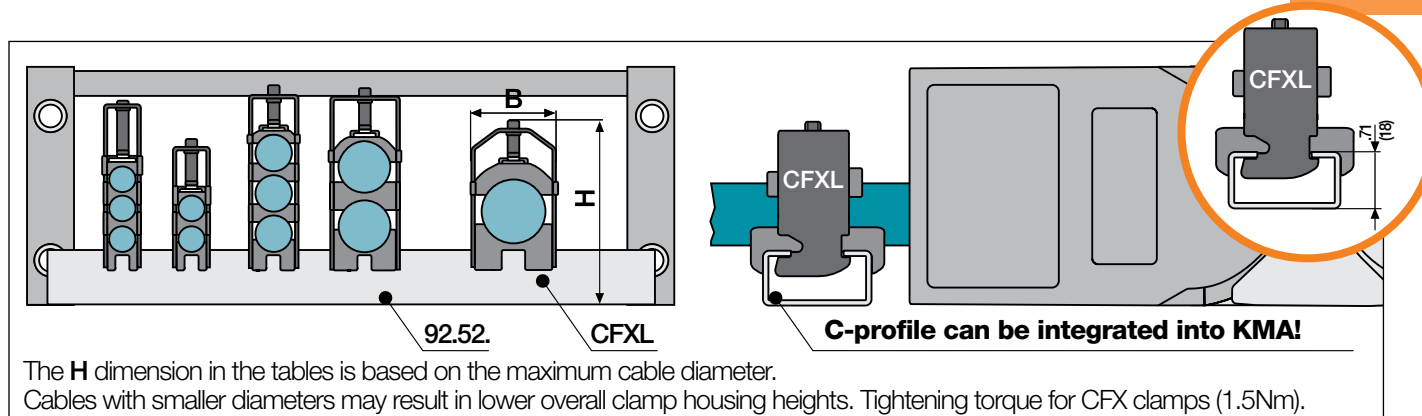
Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFX12.3	CFX12.3.E	.24 - .47 (6 - 12)	.63 (16)	3.94 (100)
CFX14.3	CFX14.3.E	.47 - .55 (12 - 14)	.71 (18)	3.78 (96)
CFX16.3	CFX16.3.E	.55 - .63 (14 - 16)	.79 (20)	4.02 (102)

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFX18.3	CFX18.3.E	.63 - .71 (16 - 18)	.87 (22)	4.25 (108)
CFX20.3	CFX20.3.E	.71 - .79 (18 - 20)	.94 (24)	4.49 (114)
CFX22.3	CFX22.3.E	.79 - .87 (20 - 22)	1.02 (26)	4.72 (120)

*Stainless steel material: 1.4301/AISI 304



Suitable C-profile for CFX clamps ► Page 1432



CFXL | Clamps with wide base for increased holding force

(suitable for C-profile 92.52.XXX - always assembled before the energy chain. Cannot be integrated into KMA!)

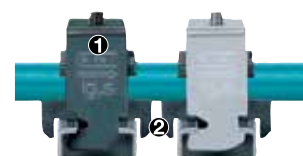
Single clamp housing, includes bottom saddle

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFXL12.1	CFXL12.1.E	.24 - .47 (6 - 12)	.63 (16)	2.36 (60)
CFXL14.1	CFXL14.1.E	.47 - .55 (12 - 14)	.71 (18)	2.20 (56)
CFXL16.1	CFXL16.1.E	.55 - .63 (14 - 16)	.79 (20)	2.28 (58)
CFXL18.1	CFXL18.1.E	.63 - .71 (16 - 18)	.87 (22)	2.36 (60)
CFXL20.1	CFXL20.1.E	.71 - .79 (18 - 20)	.94 (24)	2.44 (62)
CFXL22.1	CFXL22.1.E	.79 - .87 (20 - 22)	1.02 (26)	2.52 (64)
CFXL26.1	CFXL26.1.E	.87 - 1.02 (22 - 26)	1.18 (30)	2.87 (73)

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFXL30.1	CFXL30.1.E	1.02 - 1.18 (26 - 30)	1.34 (34)	3.03 (77)
CFXL34.1	CFXL34.1.E	1.18 - 1.34 (30 - 34)	1.50 (38)	3.19 (81)
CFXL38.1	CFXL38.1.E	1.34 - 1.50 (34 - 38)	1.65 (42)	3.35 (85)
CFXL42.1	CFXL42.1.E	1.50 - 1.65 (38 - 42)	1.81 (46)	3.50 (89)
CFXL46.1	CFXL46.1.E	1.65 - 1.81 (42 - 46)	2.01 (51)	4.80 (122)
CFXL50.1	CFXL50.1.E	1.81 - 1.97 (46 - 50)	2.20 (55)	4.92 (125)

*Stainless steel material: 1.4301/AISI 304

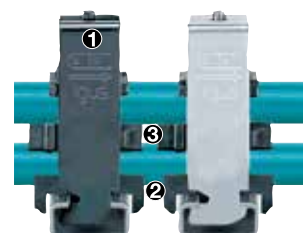
- ① Clamp
- ② Bottom saddle
- ③ Stacker saddle



Double clamp housing, includes bottom and stacker saddles

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFXL12.2	CFXL12.2.E	.24 - .47 (6 - 12)	.63 (16)	3.07 (78)
CFXL14.2	CFXL14.2.E	.47 - .55 (12 - 14)	.71 (18)	3.15 (80)
CFXL16.2	CFXL16.2.E	.55 - .63 (14 - 16)	.79 (20)	3.31 (84)
CFXL18.2	CFXL18.2.E	.63 - .71 (16 - 18)	.87 (22)	3.39 (86)
CFXL20.2	CFXL20.2.E	.71 - .79 (18 - 20)	.94 (24)	3.62 (92)

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFXL22.2	CFXL22.2.E	.79 - .87 (20 - 22)	1.02 (26)	3.39 (86)
CFXL26.2	CFXL26.2.E	.87 - 1.02 (22 - 26)	1.18 (30)	4.53 (115)
CFXL30.2	CFXL30.2.E	1.02 - 1.18 (26 - 30)	1.34 (34)	4.84 (123)
CFXL34.2	CFXL34.2.E	1.18 - 1.34 (30 - 34)	1.50 (38)	5.16 (131)

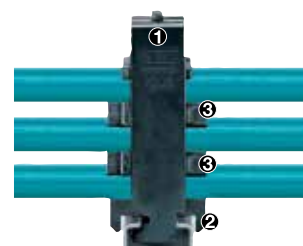


Triple clamp housing, includes bottom and stacker saddles

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFXL12.3	—	.24 - .47 (6 - 12)	.63 (16)	4.17 (106)
CFXL14.3	—	.47 - .55 (12 - 14)	.71 (18)	4.02 (102)
CFXL16.3	—	.55 - .63 (14 - 16)	.79 (20)	4.25 (108)

Part Number		≤ Ø in. (mm)	B ^{±2} in. (mm)	H in. (mm)
Steel	Stainless Steel			
CFXL18.3	—	.63 - .71 (16 - 18)	.87 (22)	4.49 (114)
CFXL20.3	—	.71 - .79 (18 - 20)	.94 (24)	4.72 (120)
CFXL22.3	—	.79 - .87 (20 - 22)	1.02 (26)	4.96 (126)

*Stainless steel material: 1.4301/AISI 304



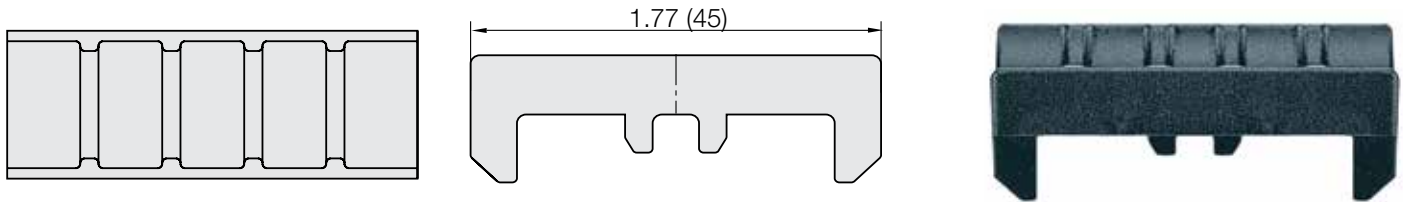
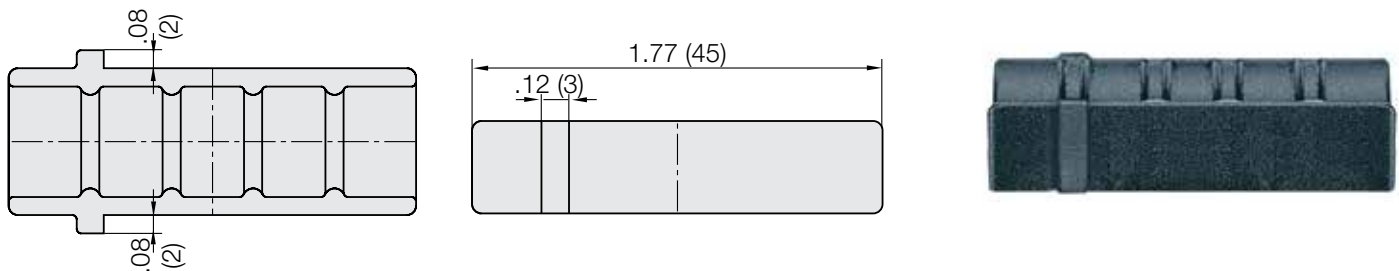
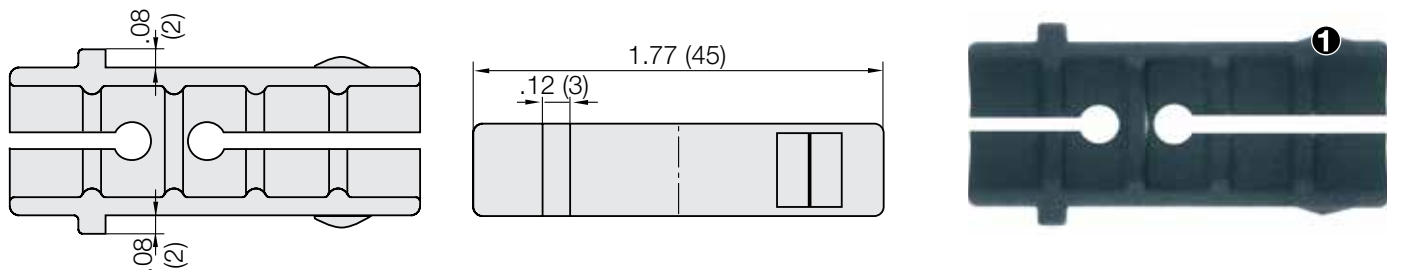
Suitable C-profile for CFXL clamps ► Page 1432



3D CAD, configurators, service life calculation and more ► www.igus.com/chainfix

Characteristics of igus® Chainfix clamps - stacker elements

- Built-in ribs for secure grip on cables
- Optimized stacker saddles, 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
- Significantly more secure due to high rigidity

**CGXX | Bottom saddles to fit into the clamp housing as an individual part****CDXX | Conventional stacker saddles for all for all double and triple clamps as an individual part****CD.XX.C | Optimized stacker saddles for all double and triple clamps as an individual part**

CGXX	CDXX	CDXX.C	For clamp	≤ Ø in. (mm)
CG12	CD12	CD.12.C	CFX/CFXL12.X	.24-.47 (6 – 12)
CG14	CD14	CD.14.C	CFX/CFXL14.X	.47-.55 (12 – 14)
CG16	CD16	CD.16.C	CFX/CFXL16.X	.55-.63 (14 – 16)
CG18	CD18	CD.18.C	CFX/CFXL18.X	.63-.71 (16 – 18)
CG20	CD20	CD.20.C	CFX/CFXL20.X	.71-.79 (18 – 20)
CG22	CD22	CD.22.C	CFX/CFXL22.X	.79-.87 (20 – 22)

CGXX	CDXX	CDXX.C	For clamp	≤ Ø in. (mm)
CG26	CD26	CD.26.C	CFX/CFXL26.X	.87-1.02 (22 – 26)
CG30	CD30	CD.30.C	CFX/CFXL30.X	1.02 -1.18 (26 – 30)
CG34	CD34	CD.34.C	CFX/CFXL34.X	1.18 -1.34 (30 – 34)
CG38	–	–	CFX/CFXL38.X	1.34-1.50 (34 – 38)
CG42	–	–	CFX/CFXL42.X	1.50-1.65 (38 – 42)



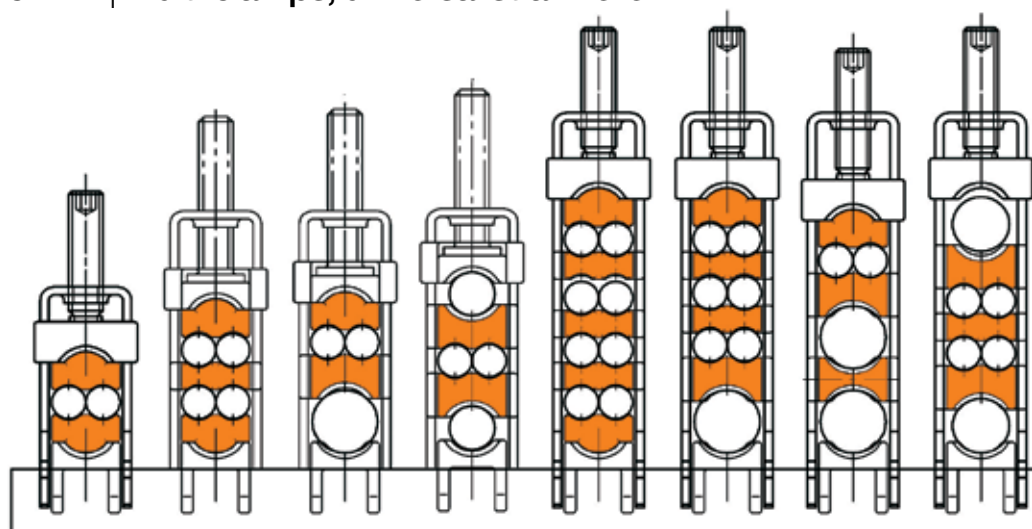
Please note: When using chainfix clamps on C-profiles in the mounting bracket for the series E4.38L/R4.38L, E4Q.34/H4Q.34, E4.32/H4.32/R4.32, a shortened bottom saddle must be used. For shortened bottom saddles, please add the part number with index **K**. Example: **Part No. CFX12.1K**

CFX12 - multi-clamps

- More modular options of the proven igus® chainfix strain relief system
- Universal strain relief for various assembly options
- Save both time and space during installation
- Cost-effective, compact and modular
- For cable diameters from .24" (6mm) to .47" (12mm)



CFX12 | Multi-clamps, universal strain relief



CFX12.1.Z1 CFX12.2.Z1 CFX12.2.Z2 CFX12.2.Z3 CFX12.3.Z1 CFX12.3.Z2 CFX12.3.Z3 CFX12.3.Z4
CFXL12.1.Z1 CFXL12.2.Z1 CFXL12.2.Z2 CFXL12.2.Z3 CFXL12.3.Z1 CFXL12.3.Z2 CFXL12.3.Z3 CFXL12.3.Z4

Stacker saddles - single parts | Maximum cable or hose diameter

Part No. Type	 CDA.4/4-8	 CD4/4	 CD.4/4-8	 CD12	≤ Ø in. (mm)
CFX12.1.Z1 / CFXL12.1.Z1	2 x	–	–	–	.24 (6)
CFX12.2.Z1 / CFXL12.2.Z1	2 x	1 x	–	–	.24 (6)
CFX12.2.Z2 / CFXL12.2.Z2	1 x	–	1 x	–	.24 + .47 (6 + 12)
CFX12.2.Z3 / CFXL12.2.Z3	–	–	2 x	–	.24 + .31 (6 + 8)
CFX12.3.Z1 / CFXL12.3.Z1	2 x	3 x	–	–	.24 (6)
CFX12.3.Z2 / CFXL12.3.Z2	1 x	2 x	1 x	–	.24 + .47 (6 + 12)
CFX12.3.Z3 / CFXL12.3.Z3	1 x	–	1 x	1 x	.24 + .47 (6 + 12)
CFX12.3.Z4 / CFXL12.3.Z4	–	1 x	2 x	–	.24 + .39 (6 + 10)

Standard material: galvanized steel. For the stainless steel version (material 1.4301/AISI 304), please add the part number with index .E. Example: **Part No. CFX12.3.Z1.E**



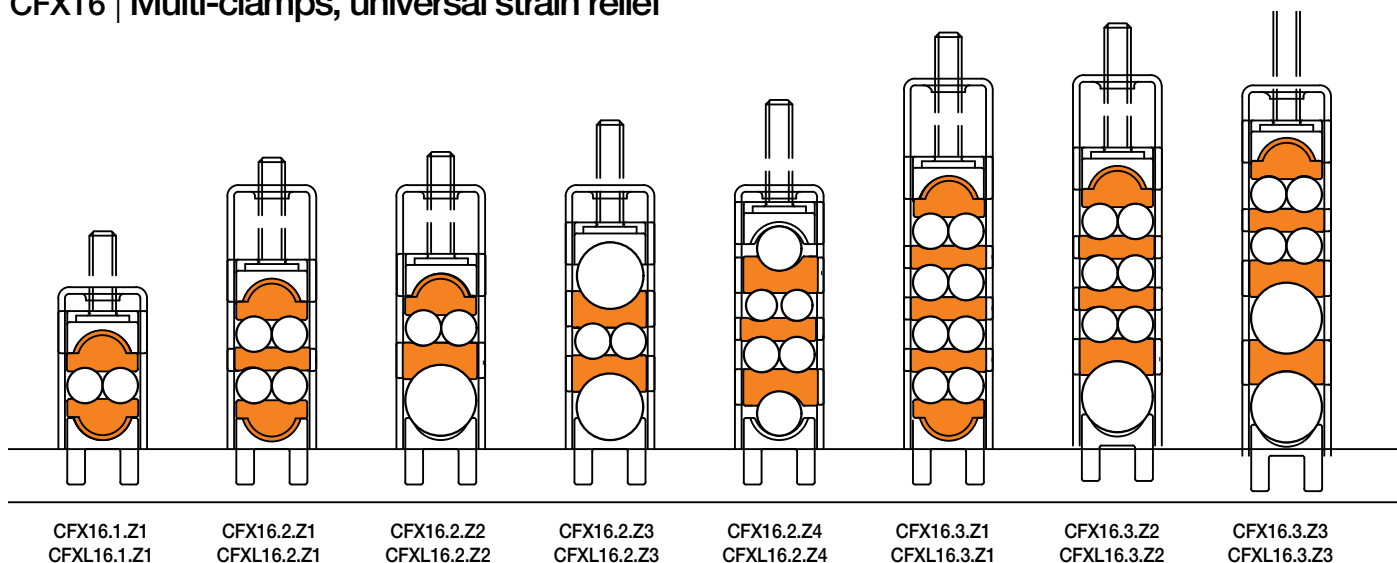
For the following igus® series ► Page 1433



Suitable C-profile for CFX and CFXL clamps ► Page 1432

CFX116 - multi-clamps

- More modular options of the proven igus® chainfix strain relief system
- Universal strain relief for various assembly options
- Save both time and space during installation
- Cost-effective, compact and modular
- For cable diameters from .24" (6mm) to .47" (12mm)

**CFX16 | Multi-clamps, universal strain relief****Stacker saddles - single parts | Maximum cable or hose diameter**

Part No. Type	 CDA.8/8-16	 CD.8/8	 CD.8/8-16	 CD.16	≤ Ø in. (mm)
CFX16.1.Z1 / CFXL16.1.Z1	2 x	–	–	–	.31 (8)
CFX16.2.Z1 / CFXL16.2.Z1	2 x	1 x	–	–	.61 (8)
CFX16.2.Z2 / CFXL16.2.Z2	1 x	–	1 x	–	.31 + .63 (8 + 16)
CFX16.2.Z3 / CFXL16.2.Z3	–	–	2 x	–	.24 + .59 (8 + 15)
CFX16.2.Z4 / CFXL16.2.Z4	–	1 x	2 x	–	.31 + .39 (8 + 10)
CFX16.3.Z1 / CFXL16.3.Z1	2 x	3 x	–	–	.31 (8)
CFX16.3.Z2 / CFXL16.3.Z2	1 x	3 x	1 x	–	.31 + .63 (8 + 16)
CFX16.3.Z3 / CFXL16.3.Z3	1 x	1 x	2 x	1 x	.31 + .63 (8 + 16)

Standard material: galvanized steel. For the stainless steel version (material 1.4301/AISI 304), please add the part number with index **.E**. Example: **Part No. CFX16.3.Z1.E**



For the following igus® series ► **Page 1433**



Suitable C-profile for CFX and CFXL clamps ► **Page 1430**

Pneumatic stacker saddles for CFX and CFXL clamps

- Strain relief of pneumatic hoses without crushing or damage
- For pneumatic hose diameters of .16" (4mm), .24" (6mm), .31" (8mm), .39" (10mm), and .47" (12mm)
- High holding force due to "all-round" grip
- The cross section of pneumatic hoses is fully retained
- No crushing of the hoses, and therefore no loss of hose length
- Colored identification markings, inserts are blue
- Good price-performance ratio
- Fast assembly without checking the tightening torque



CFX12.X.P | CFX16.X.P | Pneumatic stacker saddles



Secure guidance of pneumatic hoses without crushing them or reducing the cross-section

With a new igus® clamp for pneumatic hoses, the cross section of pneumatic hoses is fully retained. At the same time, the hoses are held securely. Due to high sides, the inserts generate a high holding force for pneumatic hoses in the e-chain® and prevent them from being crushed.



Easy to install by tightening on block

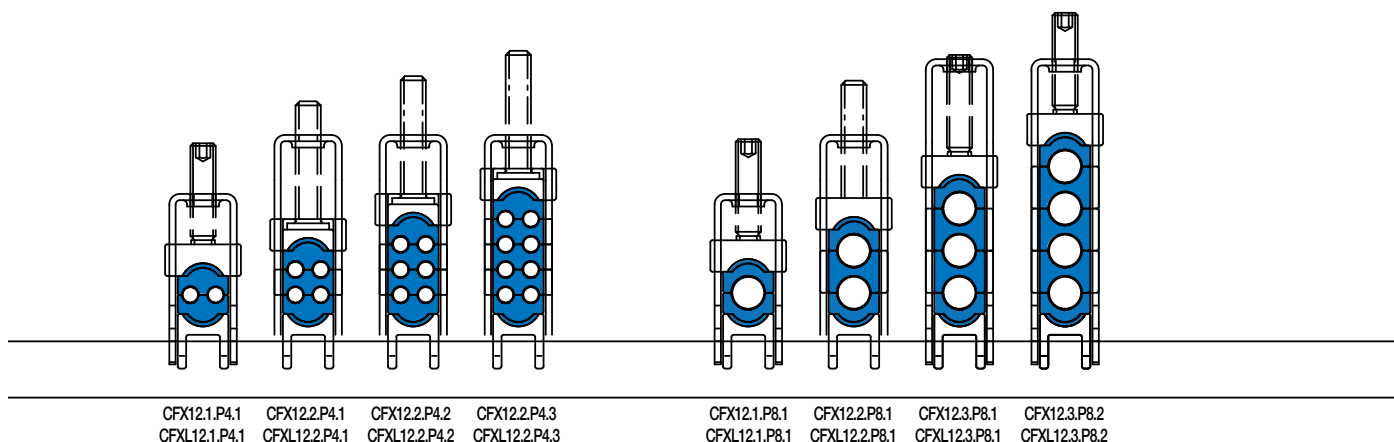


Available from stock. Ready to ship in 24 - 48hrs.*

*Average time before the ordered goods are dispatched.

Pneumatic stacker saddle for CFX12

- For hose diameters 4 and 8mm
- With these options, the proven igus® chainfix strain relief system can be specifically used for pneumatic hoses
- Pneumatic hoses are held securely
- No hose crushing
- Infinite assembly options
- Cost-effective, compact and modular

**CFX12 | With pneumatic stacker saddles | Cable diameter 4mm / 8mm**CFX12.1.P4.1
CFXL12.1.P4.1CFX12.2.P4.1
CFXL12.2.P4.1CFX12.2.P4.2
CFXL12.2.P4.2CFX12.2.P4.3
CFXL12.2.P4.3CFX12.1.P8.1
CFXL12.1.P8.1CFX12.2.P8.1
CFXL12.2.P8.1CFX12.3.P8.1
CFXL12.3.P8.1CFX12.3.P8.2
CFXL12.3.P8.2

Part No. Type	 CDA.4 / 4-12.P	 CD.4 / 4.P	 CDA.8 / 12.P	 CD.8 / 8.P	Ø in. (mm)
CFX12.1.P4.1 / CFXL12.1.P4.1	2 x	–	–	–	.16 (04)
CFX12.2.P4.1 / CFXL12.2.P4.1	2 x	1 x	–	–	.16 (04)
CFX12.2.P4.2 / CFXL12.2.P4.2	2 x	2 x	–	–	.16 (04)
CFX12.2.P4.3 / CFXL12.2.P4.3	2 x	3 x	–	–	.16 (04)
CFX12.1.P8.1 / CFXL12.1.P8.1	–	–	2 x	–	.31 (08)
CFX12.2.P8.1 / CFXL12.2.P8.1	–	–	2 x	1 x	.31 (08)
CFX12.3.P8.1 / CFXL12.3.P8.1	–	–	2 x	2 x	.31 (08)(08)
CFX12.3.P8.2 / CFXL12.3.P8.2	–	–	2 x	3 x	.31 (08)



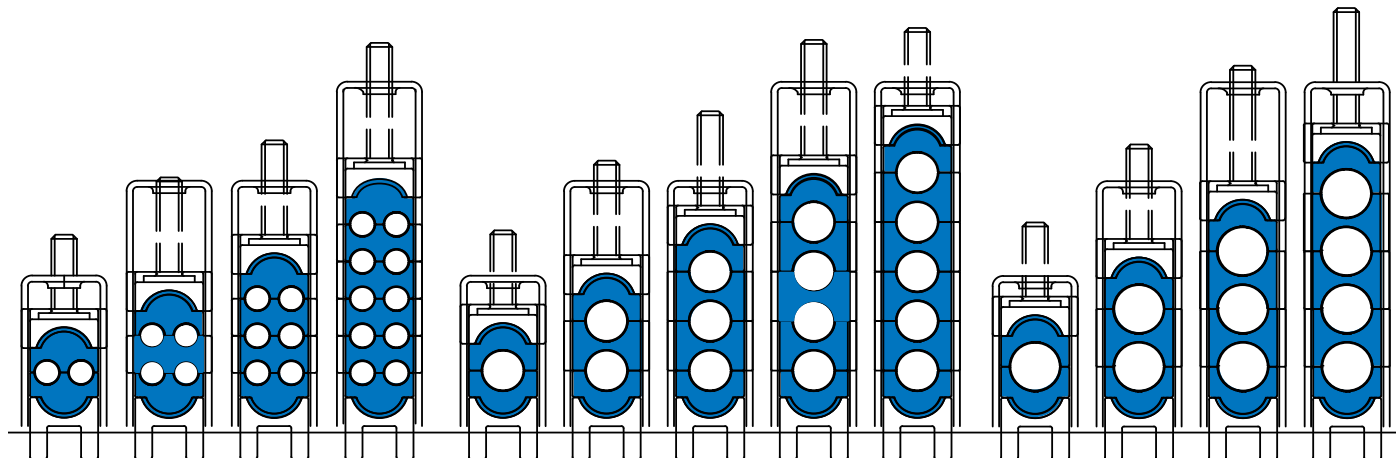
Suitable C-profile for
CFX and CFXL clamps ► Page 1432

Pneumatic hose saddle for CFX16

- For hose diameters .24", .39", and .47" (6, 10 and 12mm)
- With these options, the proven igus® chainfix strain relief system can be specifically used for pneumatic hoses
- Pneumatic hoses are held securely
- No hose crushing
- Infinite assembly options
- Cost-effective, compact and modular



CFX16 | With pneumatic stacker saddles | Cable diameter (6mm / 10mm / 12mm)



CFX16.1.P6.1 CFX16.2.P6.1 CFX16.2.P6.2 CFX16.3.P6.1
CFXL16.1.P6.1 CFXL16.2.P6.1 CFXL16.2.P6.2 CFXL16.3.P6.1

CFX16.1.P10.1 CFX16.2.P10.1 CFX16.2.P10.2 CFX16.3.P10.1 CFX16.3.P10.2
CFXL16.1.P10.1 CFXL16.2.P10.1 CFXL16.2.P10.2 CFXL16.3.P10.1 CFXL16.3.P10.2

CFX16.1.P12.1 CFX16.2.P12.1 CFX16.3.P12.1 CFX16.3.P12.2
CFXL16.1.P12.1 CFXL16.2.P12.1 CFXL16.3.P12.1 CFXL16.3.P12.2

Part No. Type	 CDA.6 / 6-16.P	 CD.6 / 6.P	 CDA.10-16.P	 CD.10 / 10.P	 CDA.12-16.P	 CD.12 / 12.P	Ø in. (mm)
CFX16.1.P6.1 / CFXL16.1.P6.1	2 x	–	–	–	–	–	.24 (06)
CFX16.2.P6.1 / CFXL16.2.P6.1	2 x	1 x	–	–	–	–	.24 (06)
CFX16.2.P6.2 / CFXL16.2.P6.2	2 x	2 x	–	–	–	–	.24 (06)
CFX16.3.P6.1 / CFXL16.3.P6.1	2 x	4 x	–	–	–	–	.24 (06)
CFX16.1.P10.1 / CFXL16.1.P10.1	–	–	2 x	–	–	–	.39 (10)
CFX16.2.P10.1 / CFXL16.2.P10.1	–	–	2 x	1 x	–	–	.39 (10)
CFX16.2.P10.2 / CFXL16.2.P10.2	–	–	2 x	2 x	–	–	.39 (10)
CFX16.3.P10.1 / CFXL16.3.P10.1	–	–	2 x	3 x	–	–	.39 (10)
CFX16.3.P10.2 / CFXL16.3.P10.2	–	–	2 x	4 x	–	–	.39 (10)
CFX16.1.P12.1 / CFXL16.1.P12.1	–	–	–	–	2 x	–	.47 (12)
CFX16.2.P12.1 / CFXL16.2.P12.1	–	–	–	–	2 x	1 x	.47 (12)
CFX16.3.P12.1 / CFXL16.3.P12.1	–	–	–	–	2 x	2 x	.47 (12)
CFX16.3.P12.2 / CFXL16.3.P12.2	–	–	–	–	2 x	3 x	.47 (12)



Suitable C-profile for
CFX and CFXL clamps ► Page 1432



3D CAD, configurators, service life calculation and more ► www.igus.com/chainfix

Tests performed at our customer Schwäbische Werkzeugmaschinen



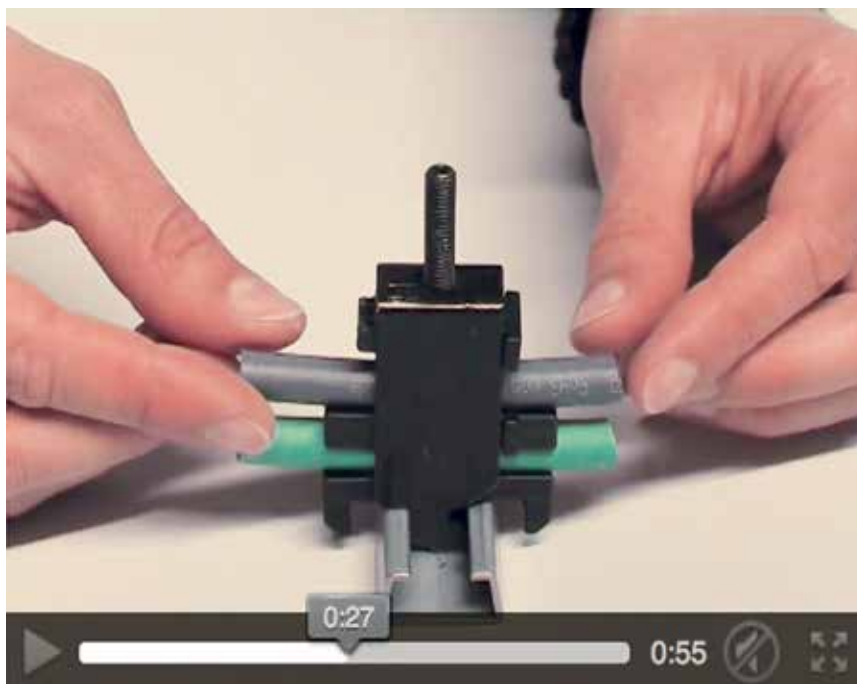
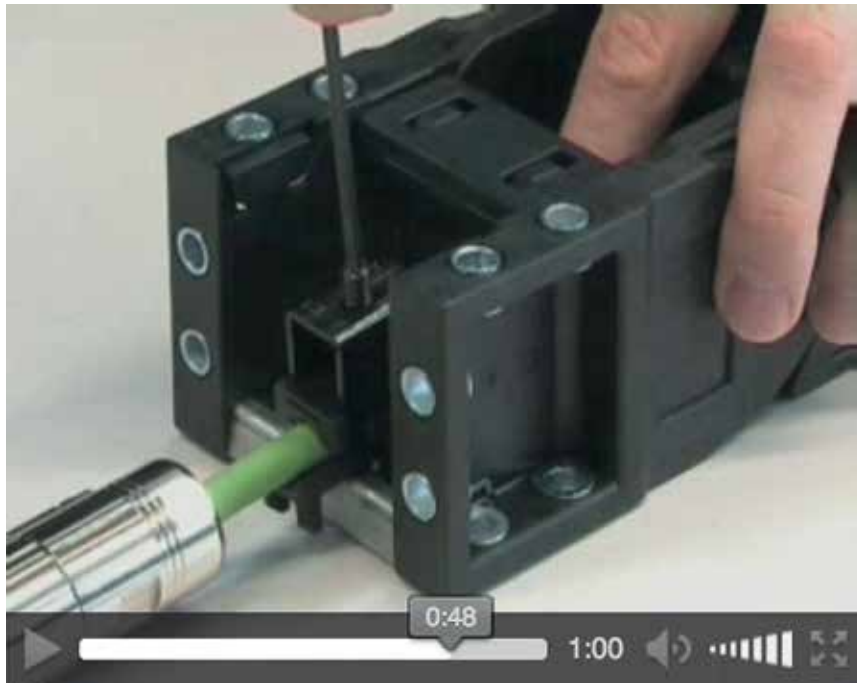
Advantages of igus® clamps for pneumatic hoses

- No crushing of the hoses after strain relief thanks to CFX clamps with pneumatic saddles
- Tightening force is limited by the saddle



Disadvantages of commercially available standard clamps

- Hose crushing after strain relief with standard clamps
- Variable adjustment of the tightening force required

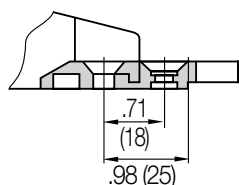
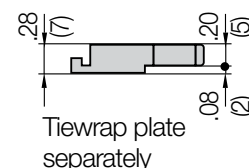
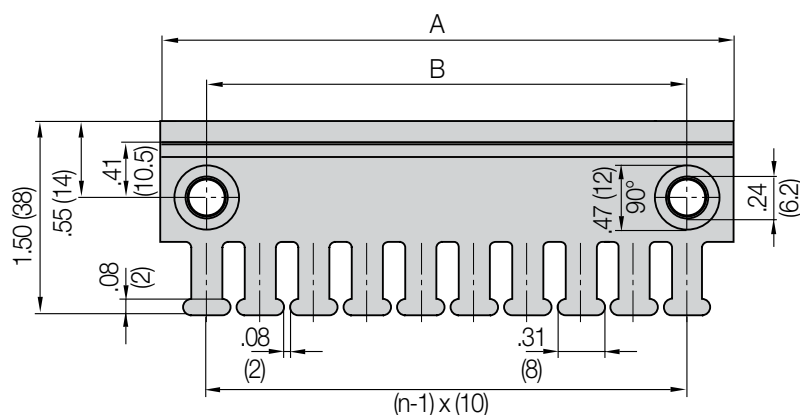


You can find assembly videos for chainfix clamps online at ► www.igus.com/chainfix

Option 1A: chainfix tiewrap plate series 2000

Available as an individual component

- Screwed on KMA with C-profile
(KMA = plastic metal mounting bracket)
- Can be clipped onto some mounting brackets
- Can be used as an individual part in switchgear cabinets or in the assembly of machines

**Series 2000 | Tiewrap plate as an individual part**

Shown assembled

For the following
igus® series**easy chain®**

- E200/Z200

E2.1

- E2.26

E2/000

- 1400/1500/1450/1480
- 2400/2500/2450/2480
- 255

E2 R100

- R117/R118

E2 R

- R48

E4.1

- E4.21

E6.1

- E61.29/EF61.29
- E61.35
- E61.40

E6

- E6.29/R6.29
- E6.35
- E6.40

Part No. Tiewrap plates	Number of teeth [n]	A in. (mm)	B in. (mm)	C in. (mm)	Center bore - = no / + = yes
2020.ZB*	3	1.18 (30)	.59 (15)	-	-
2030.ZB	4	1.57 (40)	.79 (20)	-	-
2040.ZB	5	1.97 (50)	1.18 (30)	-	-
2050.ZB	6	2.28 (58)	1.57 (40)	-	-
2070.ZB	8	3.15 (80)	2.36 (60)	-	-
2090.ZB (= 2030.ZB + 2040.ZB)**	9	3.54 (90)	-	-	-
2100.ZB	10	3.94 (100)	3.15 (80)	-	-
2125.ZB (= 2050.ZB + 2050.ZB)**	12	4.72 (120)	-	-	-

*Not suitable for E4.21.030. series **Strain relief consisting of 2 tiewrap plates

If used with KMA Brackets with profile rail, please add .S to the end of the part number. Example 2050.ZB.S

Cable tiewraps as individual parts

Part No. cable tiewraps	Width x length	≤ Ø	Tensile strength
100-piece bag	in. (mm)	in. (mm)	lbf (N)
CFB.001	.19 (4.8) x 5.91 (150)	1.42 (36)	49.9 (222)

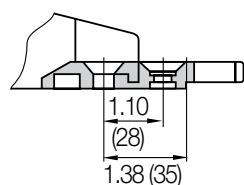
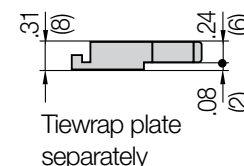
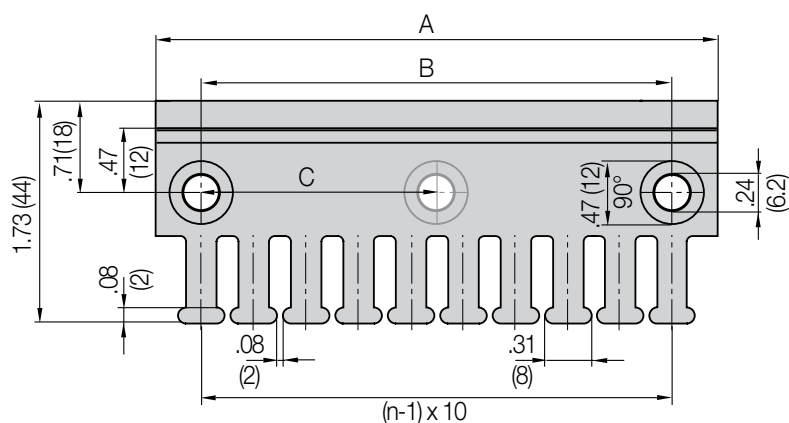
Option 1B: chainfix tiewrap plate Series 3000

Available as an individual component

- Screwed on KMA with C-profile
(KMA = plastic metal mounting bracket)
- Can be clipped onto some mounting brackets
- Can be used as an individual part in switchgear cabinets or in the assembly of machines



Series 3000 | Tiewrap plate as an individual part



Shown assembled

Part No. Tiewrap plates	Number of teeth [n]	A in. (mm)	B in. (mm)	C in. (mm)	Center bore - = no / + = yes
3050.ZB	5	1.97 (50)	1.18 (30)	-	-
3075.ZB	7	2.95 (75)	2.16 (55)	-	-
3100.ZB	10	3.94 (100)	3.15 (80)	-	-
3115.ZB	11	4.53 (115)	3.74 (95)	-	-
3125.ZB	12	4.92 (125)	4.13 (105)	-	-
3150.ZB	15	5.91 (150)	5.12 (130)	-	-
3175.ZB	17	6.89 (175)	6.10 (155)	-	-
3200.ZB	20	7.87 (200)	7.09 (180)	3.54 (90)	+
3225.ZB	22	8.86 (225)	8.07 (205)	4.04 (102.5)	+
3250.ZB	25	9.84 (250)	9.06 (230)	4.53 (115)	+

If used with KMA Brackets with profile rail, please add .S to the end of the part number. Example 3100.ZB.S

Cable tiewraps as individual parts

Part No. cable tiewraps 100-piece bag	Width x length in. (mm)	≤ Ø in. (mm)	Tensile strength lbf (N)
CFB.001	.19 (4.8) x 5.91 (150)	36	49.9 (222)



For the following
igus® series

easy chain®

- E26/Z26
- E300/Z300

E2.1

- E2.38
- E2.48

E2/000

- 2600/2700/2650/2680
- 3400/3500/3450/3480

E4.1L

- E4.38L/R4.38L
- E4.48L/R4.48L
- E4.64L

E4Q

- E4Q.34/H4Q.34
- E4Q.44/H4Q.44
- E4Q.58/H4Q.58
- E4Q.82/H4Q.82

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
- E4.112/R4.112
- E4.162
- 800
- 840

E4/light

- 14040/14140/18840
- 14240/14340
- 14550/14650/19050
- 15050/15150/19850
- 15250/15350
- 1640/1608

E6.1

- E61.52
- E61.62
- E61.80

E6

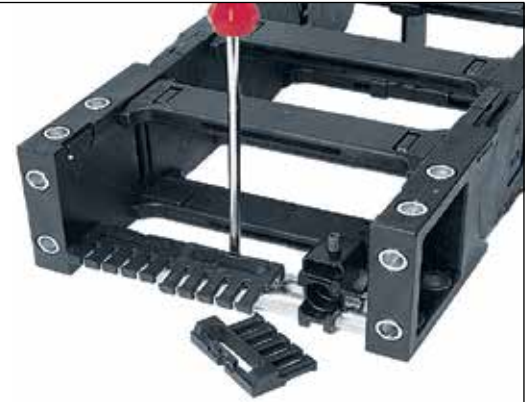
- E6.52/R6.52
- E6.62
- E6.80L
- E6.80

C6

- C6.53

Option 1: chainfix tiewrap plates with clip-on connection to C-profile

- Can be clipped into the KMA C-profile
- Easy to assemble without any screws
- Easy to remove with screwdriver but secure when in use
- Can be used as an individual part in switchgear cabinets or in the assembly of machines

**Option 1 | Tiewrap plate for C-profile**

Part No. Tiewrap plates	Width in. (mm)	Number of teeth	For series
3050.ZC	1.97 (50)	5	For all mounting brackets with C-profile
3075.ZC	2.95 (75)	7	For all mounting brackets with C-profile



For the following
igus® series

C-profile

- For all mounting brackets with C-profile

Option 2: chainfix strain relief tooth for top-hat (DIN) 15 (TS92.31)

- Can be clipped into top-hat (DIN) rails
- Width per strain relief tooth: .39" (10mm)
- Four ZE teeth on each side are required for a 1.57" (40mm) inner width
- Easy to retrofit
- Simple installation into top-hat (DIN) rail 15 (TS92.31)

**Option 2 | Strain relief tooth for top-hat (DIN) rail 15 (TS92.31)**

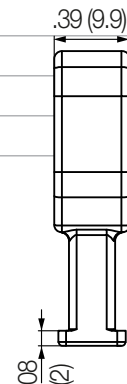
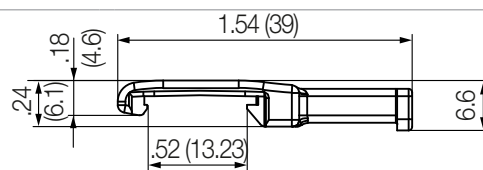
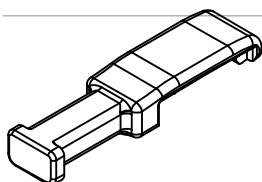
Part No. Tiewrap plates	Width in. (mm)	Number of teeth	For series
2010.ZH	10	1	E4.31L / R4.31L



For the following
igus® series

Top-hat (DIN) rail

- For all top-hat (DIN) rails 15 TS92.31



Option 3: integrated strain relief for R series E2 e-tubes

- Strain relief integrates completely into the e-tube
- Easy to assemble without any screws
- Can be used as an individual part in switchgear cabinets or in the assembly of machines

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

Part No. Tiewrap plates	Width in. (mm)	Number of teeth	For series
3050.Z*	1.97 (50)	5	R68
3075.Z	2.95 (75)	7	R68
5850.Z	1.81 (46)	4	R58
5835.Z	1.26 (32)	3	R58 for series 58.050. <i>Bi</i> 50 only

*Only possible from e-chain® width 100mm and larger



For the following
igus® series

E2 R

- R58
- R68

Option 4: chainfix tiewrap plates for fixed crossbars

- Can be clipped on fixed crossbars
- For use with many harnessed cables
- If the KMA is too small for C-profile
- Easy to assemble without any screws

**Option 4 | Tiewrap plate for fixed crossbars**

Part No. Tiewrap plates	Width in. (mm)	Number of teeth	For series
2050.Z	2.36 (60)	6	E/Z200, 2400/2500, 2600/2700
3050.Z	1.97 (50)	5	3400/3500
3075.Z	2.91 (74)	7	3400/3500
C.2.522.050.ZS	1.89 (48)	4	E2.38, E2.48
C.2.522.065.ZS	2.48 (63)	6	E2.38, E2.48
C.2.522.075.ZS	2.87 (73)	7	E2.38, E2.48



For the following
igus® series

easy chain®

- E200/Z200

E2.1

- E2.38
- E2.48

E2/000

- 2400/2500
- 2600/2700
- 3400/3500

Option 5: chainfix tiewrap plates for openable crossbars

- Can be clipped on openable crossbars
- For use with many harnessed cables
- If the KMA is too small for C-profile
- Easy to assemble without any screws


Option 5 | Tiewrap plate for openable crossbars

Part No. Tiewrap plates	Width in. (mm)	Number of teeth	For series
2050.Z	2.36 (60)	6	2600/2700/2650, E4.28, E61.52, E6.52
3035.ZS	1.38 (35)	3	3400/3500/3450
3050.ZS	1.97 (50)	5	3400/3500/3450
3075.ZS	2.95 (75)	7	3400/3500/3450
3850.ZS	1.89 (48)	5	E4.32/H4.32, E4.42/H4.42, 14240/14340, 15250/15350, E61.62, E6.62
3875.ZS	2.91 (74)	7	E4.32/H4.32, E4.42/H4.42, 14240/14340, 15250/15350, E61.62, E6.62
4550.ZS	2.91 (74)	5	E4.56/H4.56, E4.80/H4.80, E4.112, 14040/14140, 14550/14650, 15050/15150, E61.80, E6.80L, E6.80, 1640
4575.ZS	3.15 (80)	7	E4.56/H4.56, E4.80/H4.80, E4.112, 14040/14140, 14550/14650, 15050/15150, E61.80, E6.80L, E6.80, 1640
C622.100.ZS		8	E4.38L, E4.48L


For the following
igus® series

E2/000

- 2600/2700/2650
- 3400/3500/3450

E4.1L

- E4.38L
- E4.48L

E4.1

- E4.28
- E4.32/H4.32
- E4.42/H4.42
- E4.56/H4.56
- E4.80/H4.80
- E4.112

E4/light

- 14040/14140
- 14240/14340
- 14550/14650
- 15050/15150
- 15250/15350
- 1640

E6

- E6.52
- E6.62
- E6.80L
- E6.80

E6.1

- E61.52
- E61.62
- E61.80

CFU.V strain relief with innovative honeycomb design for fast assembly and high holding force

- 80% faster filling (compared to CFX strain relief), openable from both sides for assembly in seconds
- Flexible honeycomb design for increased holding force
- Tribologically optimized honeycomb design for the best hold
- Different cables with diameters from .08" (2mm) to .67" (17mm) can be strain-relieved without problems
- Cables can be replaced easily
- Easy positioning of cables
- CFU.V cannot be attached to mounting bracket, but has to be installed beforehand on-site



CFU.V | Honeycomb strain relief | Product range

Part No. CFU.V	Bi in. (mm)	Height in. (mm)	For series
CFU.V.64.40.100.25.01	3.94 (100)	2.44 (62)	See table on the right
CFU.V.64.40.125.25.01	4.92 (125)	2.44 (62)	See table on the right
CFU.V.64.40.150.25.01	5.91 (150)	2.44 (62)	See table on the right
CFU.V.64.40.175.25.01	6.89 (175)	2.44 (62)	See table on the right
CFU.V.64.40.200.25.01	7.87 (200)	2.44 (62)	See table on the right
CFU.V.64.40.225.25.01	8.86 (225)	2.44 (62)	See table on the right
CFU.V.64.40.250.25.01	9.84 (250)	2.44 (62)	See table on the right
CFU.V.64.40.275.25.01	10.83 (275)	2.44 (62)	See table on the right
CFU.V.64.40.300.25.01	11.81 (300)	2.44 (62)	See table on the right
CFU.V.64.40.325.25.01	12.80 (325)	2.44 (62)	See table on the right
CFU.V.64.40.350.25.01	13.78 (350)	2.44 (62)	See table on the right
CFU.V.64.40.375.25.01	14.76 (375)	2.44 (62)	See table on the right
CFU.V.64.40.400.25.01	15.75 (400)	2.44 (62)	See table on the right



reddot design award
winner 2018



For the following
igus® series

E2.1

E2.48

E2/000

● 3400/3500/3450/3480

R2.1

● R2.48

E2 R100

● 167/68

E2 R

● R68

E4.1L

● E4.48L/R4.48L

E4.1

● E4.42/H4.42/R4.42

E6.1

● E61.52*

E6

● E6.52/R6.52*

* Available upon request.
Delivery time upon request.



Installation note: 80% faster (compared to CFX strain relief) for different cable types in different chambers, fully flexible, with strong holding force and easy assembly



Remove the top side with a hexagon wrench, openable on both sides ...



... fill the CFU.V honeycomb with different cables with diameters from .08" (2mm) to .67" (17mm)



Close the top ...



... and screw the top side down with a hexagon wrench



An assembly video is available online at
► www.igus.com/cfu-honeycomb

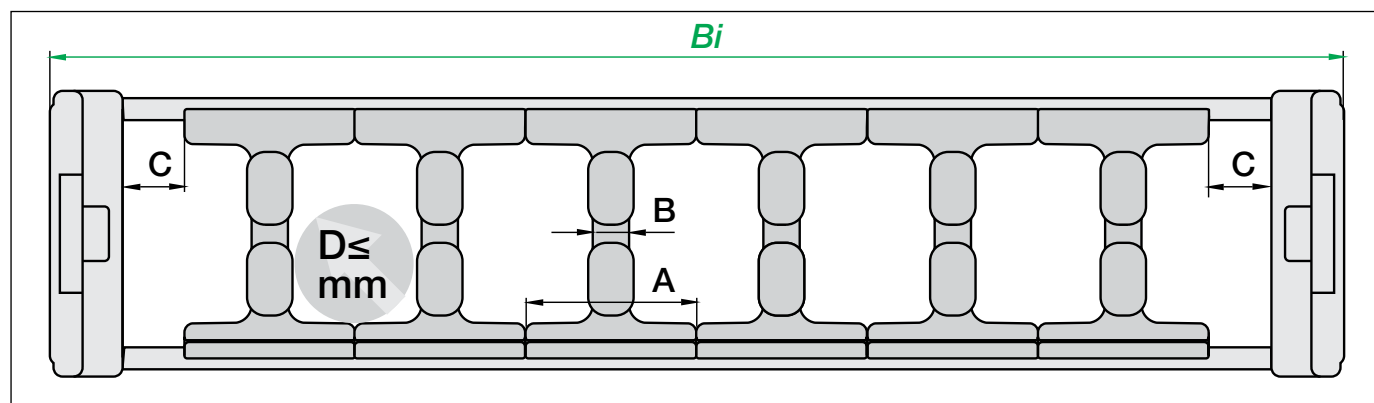
Strain relief separators - separator with integrated strain relief teeth

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

**Strain relief separator | With integrated teeth**

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

Product range | Installation dimensions



Strain relief separator | Product range | Installation dimensions

Part No.	For series	Number of teeth	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)
26.Z*	E2.26	6	0.47 (12)	0.12 (3)	–	0.28 (7)
21.1.Z	1400/1500	4	0.39 (10)	0.16 (4)	–	0.24 (6)
2020.Z	2400/2500	2	0.39 (10)	0.16 (4)	–	0.24 (6)
2020.ZR	2450/2480	4	0.39 (10)	0.16 (4)	–	0.24 (6)
262.Z	2600/2700	3	0.39 (10)	0.16 (4)	–	0.24 (6)
301.Z	3400/3500	3	0.71 (18)	0.16 (4)	–	0.55 (14)
34501.Z	3450/3480	6	0.55 (14)	0.16 (4)	–	0.39 (10)
1585.01.Z	R157/R158	6	0.87 (22)	0.16 (4)	–	0.71 (18)
1685.01.Z	R167/R168	8	0.87 (22)	0.16 (4)	–	0.71 (18)
481.ZR	R48	4	0.39 (10)	1.38 (3.5)	0.39 (10)	2.56 (6.5)
R2.26.Z	R2.26/R2.26i	4	0.39 (10)	0.12 (3)	–	0.24 (6)
R2.40.Z	R2.40/R2i.40	8	0.47 (12)	0.12 (3)	–	0.28 (7)
31.Z	E4.31L/R4.31L	4	0.35 (9)	0.16 (4)	0.24 (6)	0.24 (6)
38.Z	E4.38L/R4.38L	4	0.55 (14)	1.77 (4.5)	0.31 (8)	0.59 (15)
48.Z	E4.48L/R4.48L	4	0.55 (14)	1.77 (4.5)	0.31 (8)	0.79 (20)
48.ZS	E4.48L/R4.48L	4	0.55 (14)	1.77 (4.5)	0.31 (8)	0.79 (20)
T2103.Z	E4.21	2	0.31 (8)	0.16 (4)	0.04 (1)	0.16 (4)
28.Z	E4.28	4	0.39 (10)	0.16 (4)	–	0.24 (6)
28.ZT	R4.28	4	0.39 (10)	0.16 (4)	0.59 (15)	0.24 (6)
E6.29.02.Z	T3.29	2	0.31 (8)	0.16 (4)	0.04 (1)	0.16 (4)
E6.29.02.Z	E6.29/E61.29	2	0.31 (8)	0.16 (4)	0.04 (1)	0.16 (4)
R6.29.02.Z	R6.29	2	0.39 (10)	0.16 (4)	0.39 (10)	0.16 (4)
E6.35.02.Z	E6.35/E61.35	3	0.31 (8)	0.16 (4)	0.04 (1)	0.16 (4)
E6.40.02.Z	E6.40/E61.40	3	0.51 (13)	0.16 (4)	–	0.31 (8)
C6.29.5.Z	C6.29	2	.39 (10)	0.10 (2.5)	–	–
C6.38.5.Z	C6.38	3	.39 (10)	0.10 (2.5)	0.04 (1)	0.31 (8)

*For KMA mounting bracket only



For the following
igus® series

E2.1

- E2.26

E2/000

- 1400/1500
- 2400/2500
- 2450/2480
- 2600/2700
- 3400/3500
- 3450/3480

E2R100

- R157/R158
- R167/R168

E2R

- R48

R2.1

- R2.26/R2i.26
- R2i.40/R2i.40

E4.1L

- E4.31L/R4.31L
- E4.38L/R4.38L
- E4.48L/R4.48L

E4.1

- E4.21
- E4.28/R4.28

T3

- T3.29

E6.1

- E61.29/EF61.29
- E61.35
- E61.40

E6

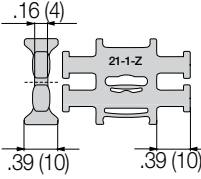
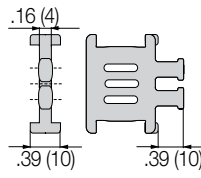
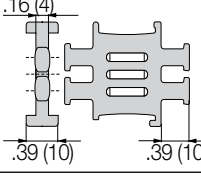
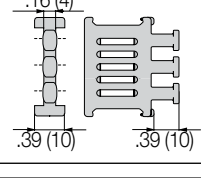
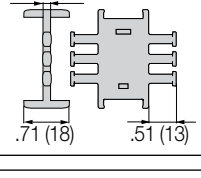
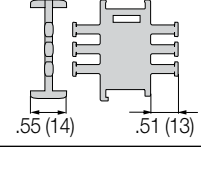
- E6.29
- R6.29
- E6.35
- E6.40

C6

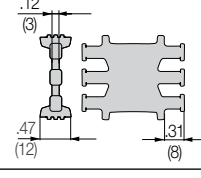
- C6.29
- C6.38

Strain relief separator | Overview

For series E2/000

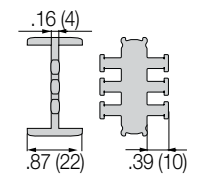
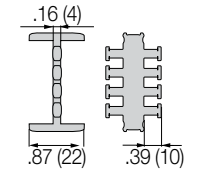
		1400/1500 e-chains® unassembled 21.1.Z assembled 21.1.Z.1
		2400/2500 e-chains® unassembled 2020.Z assembled 2120.Z
		2450/2480 e-tubes unassembled 2020.ZR assembled 2120.ZR
		2600/2700 e-chains® unassembled 262.Z assembled 263.Z
		3400/3500 e-chains® unassembled 301.Z assembled 311.Z
		3450/3480 e-tubes unassembled 34501.Z assembled 34511.Z

For series E2.1 e-chains®

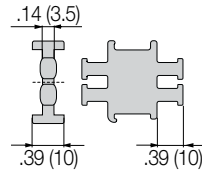
		E2.26-E2i.26* e-chains® unassembled 26.Z assembled 26.Z.1
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*For KMA mounting bracket only

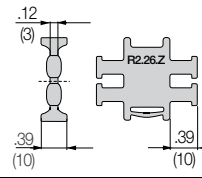
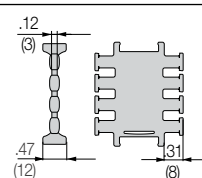
For series R100 E2 e-tubes

		R157/R158 e-tubes unassembled 1585.01.Z assembled 1586.01.Z
		R167/R168 e-tubes unassembled 1685.01.Z assembled 1686.01.Z

For series R E2 e-tubes

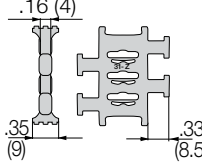
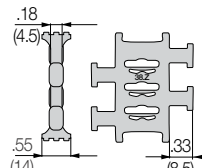
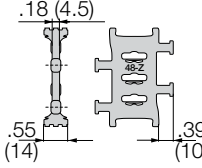
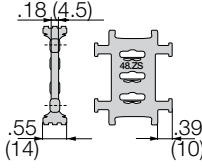
		R48 e-tubes unassembled 481.ZR assembled 482.ZR
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For series R2.1 e-tubes

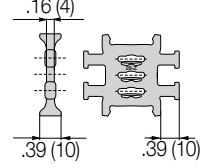
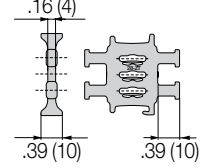
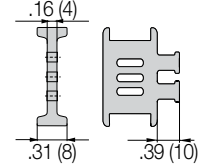
		R2.26-R2i.26 e-tubes unassembled R2.26.Z assembled R2.26.Z.1
		R2.40-R2i.40 e-tubes unassembled R2.40.Z assembled R2.40.Z.1

Strain relief separator | Overview

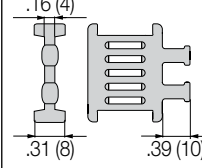
For series E4.1L

		E4.31L/R4.31L e-chains® unassembled 31.Z assembled 31.Z.1
		E4.38L/R4.38L e-chains® unassembled 38.Z assembled 38.Z.1
		E4.48L/R4.48L e-chains® unassembled 48.Z assembled 48.Z.1
		E4.48L/R4.48L e-chains® unassembled 48.ZS assembled 48.ZS.1

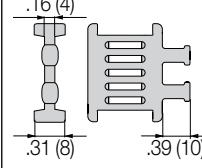
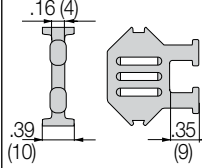
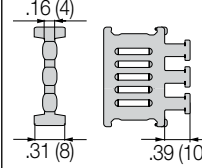
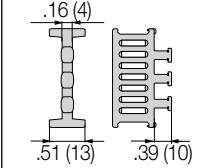
To series E4.1

		E4.28 e-chains® unassembled 28.Z assembled 28.Z.1
		R4.28 e-tubes unassembled 28.ZT assembled 28.ZT.1
		E4.21 e-chains® unassembled T2103.Z assembled T2113.Z

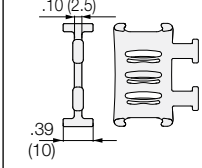
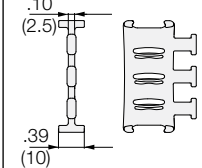
For series T3

		T3.29 e-chains® unassembled E6.29.02.Z assembled E6.29.12.Z
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For series E6.1/E6/R6

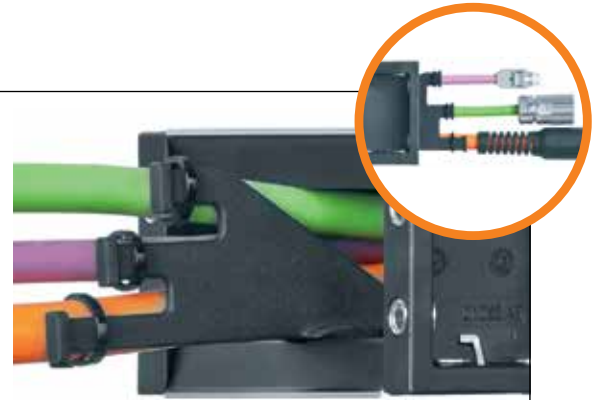
		E6.29/E61.29 e-chains® unassembled E6.29.02.Z assembled E6.29.12.Z
		R6.29 e-tubes unassembled R6.29.02.Z assembled R6.29.12.Z
		E6.35/E61.35 e-chains® unassembled E6.35.02.Z assembled E6.35.12.Z
		E6.40/E61.40 e-chains® unassembled E6.40.02.Z assembled E6.40.12.Z

For series C6

		C6.29 e-chains® unassembled C6.29.5.Z assembled C6.29.5.Z.1
		C6.38 e-chains® unassembled C6.38.5.Z assembled C6.38.5.Z.1

CFV strain relief element - for a stepped strain relief for use outside of the e-chain® section

- Easy strain relief for cables, even in fully enclosed tubes and with different connectors
- For e-chains® and e-tubes
- Subsequent installation into KMA mounting bracket or top-hat (DIN) rail 15 (TS92.31) possible



CFV | Strain relief elements with tiwrap teeth

Part No.	For series	Inner height hi in. (mm)	For use in
CFV.31.N15	E4.31L/R4.31L	1.22 (31)	Top-hat (DIN) rail 15 (TS92.31)
CFV.R2.26.Z	R2.26	1.02 (26)	KMA*
CFV.R2.40.Z	R2.40	1.57 (40)	KMA*
CFV.42.C	2600/2700/2650/2680	1.38 (35)	KMA*
	3400/3500/3450/3480	1.77 (45)	KMA*
	E4Q.34/H4Q.34	1.26 (32)	KMA*
	E4.32/H4.32/R4.32	1.26 (32)	KMA*
	E4Q.44/H4Q.44	1.65 (42)	KMA*
	E4.42/H4.42/R4.42	1.65 (42)	KMA*
	E4.38L/R4.38L	1.50 (38)	KMA*
CFV.80.C	E4.48L/R4.48L	1.89 (48)	KMA*
	R2.75	2.95 (75)	KMA*
	E4.64L	2.52 (64)	KMA*
	E4Q.58/H4Q.58	2.20 (56)	KMA*
	E4.56/H4.56/R4.56	2.20 (56)	KMA*
	E4Q.82/H4Q.82	3.15 (80)	KMA*
	E4.80/H4.80/R4.80	3.15 (80)	KMA*

*KMA = polymer metal mounting bracket



For the following
igus® series

E2/000

- 2600/2700
- 2650/2680
- 3400/3500
- 3450/3480

R2.1

- R2.26
- R2.40

E4.1L

- E4.31L/R4.31L
- E4.38L/R4.38L
- E4.48L/R4.48L
- E4.64L

E4Q

- E4Q.34/H4Q.34
- E4Q.44/H4Q.44
- E4Q.58/H4Q.58
- E4Q.82/H4Q.82

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



CFV stepped strain relief elements easily clipped on from above

Option 1: CFN nuggets for C-profile

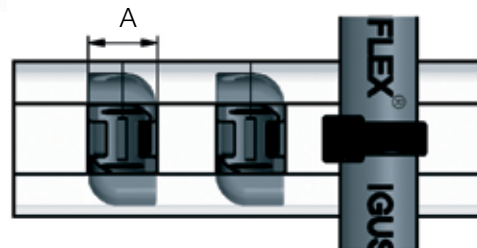
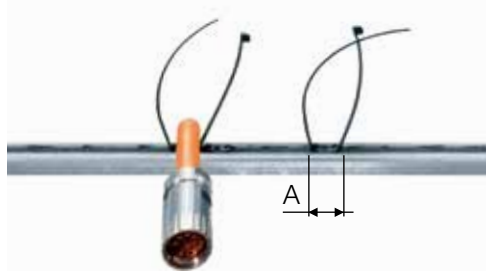
Option 2: CFN nuggets for top-hat (DIN) rail 35

- Universal cable fixation in C-profile or clip onto a standard top-hat (DIN) rail 35
- Simple strain relief with cable tiewraps
- Very little space required
- Easy to assemble without any screws and tools
- Adjustable to every e-chain® filling



Option 1 | CFN nuggets for C-profile

Part No. Nugget	For C-profile	$\leq \varnothing$	A
		in. (mm)	in. (mm)
CFN.20	92.42 ... /92.42 ... E	.79 (20)	.43 (10.8)
CFN.30.52	92.52 ... /92.52 ... E	1.18 (30)	.65 (16.4)



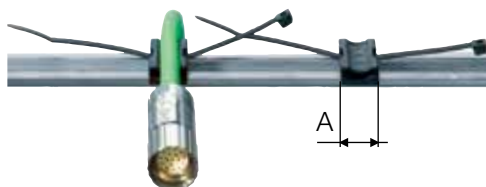
For the following
igus® series

C-profile

- For all mounting brackets with C-profile

Option 2 | CFN nuggets for top-hat (DIN) rail 35

Part No. Nugget	For standard rails	$\leq \varnothing$	A
		in. (mm)	in. (mm)
CFN.20.N35	Top-hat (DIN) rail 35	.79 (20)	.79 (20)



For the following
igus® series

Top-hat (DIN) rail

- Top-hat (DIN) rail 35

CFB strain relief connector system - polymer, modular, can be mounted into the C-profile

- Customized strain relief solutions can be offered
- 2 options available, cost-effective and strong
- Fast assembly with bolted connection
- Can be mounted in the mounting bracket or in front of the e-chain®
- Customized production from 1 piece



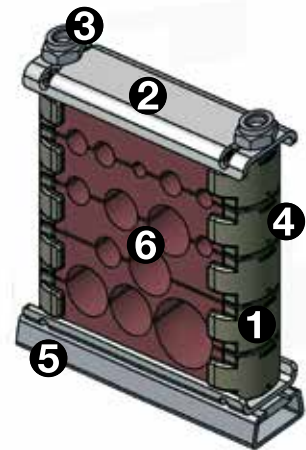
CFB strain relief connector system | Series 907.881

Parts list		
Description	Part No.	Quantity
❶ Outer fixing block	CFB20.1	N x 2
❷ Clamping bar	907.881.1.XXX	2
❸ Threaded bolt with plate	907.825.2.LLL	2
❹ Hexagon nut M8	MAT 0040012	2
❺ C-profile (part of KMA)	92.42.XXX	1
❻ Strain relief block	Customer-specific	1

Order key 907.881.XXX.N

N = Number of layers of fixing blocks
 XXX = **Bi** - 3mm (mounting bracket)
 Part number with version 881

i Please consult igus® when designing with this product



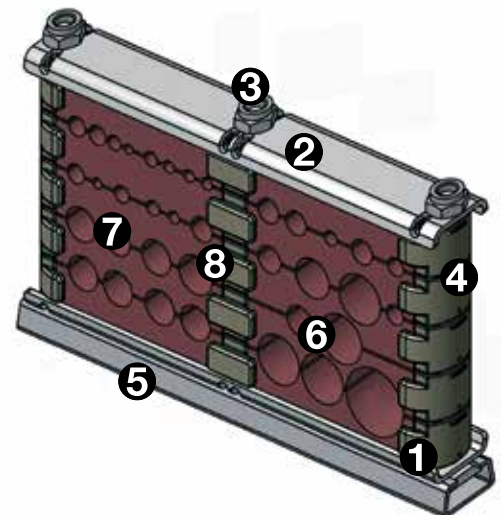
CFB strain relief connector system | Series 907.825

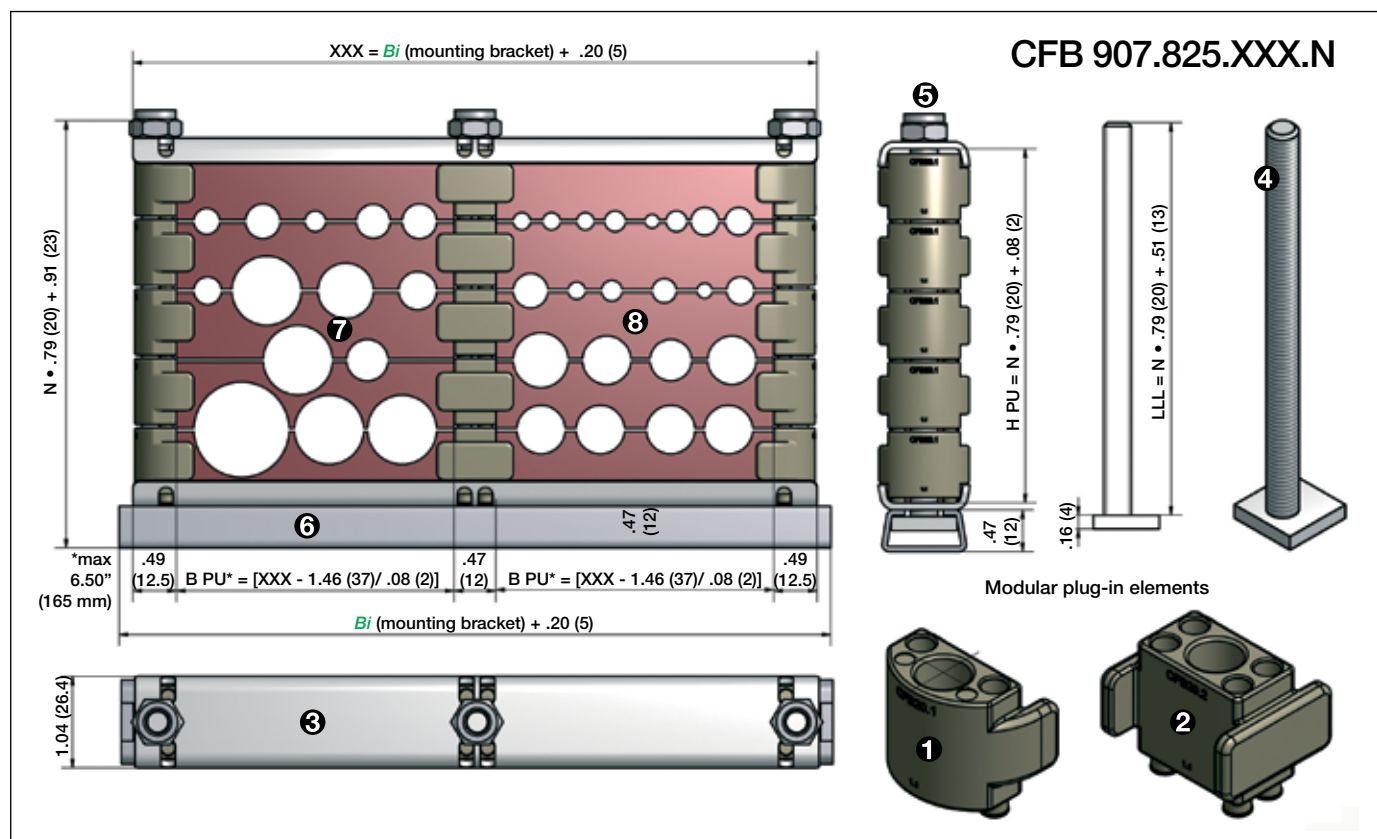
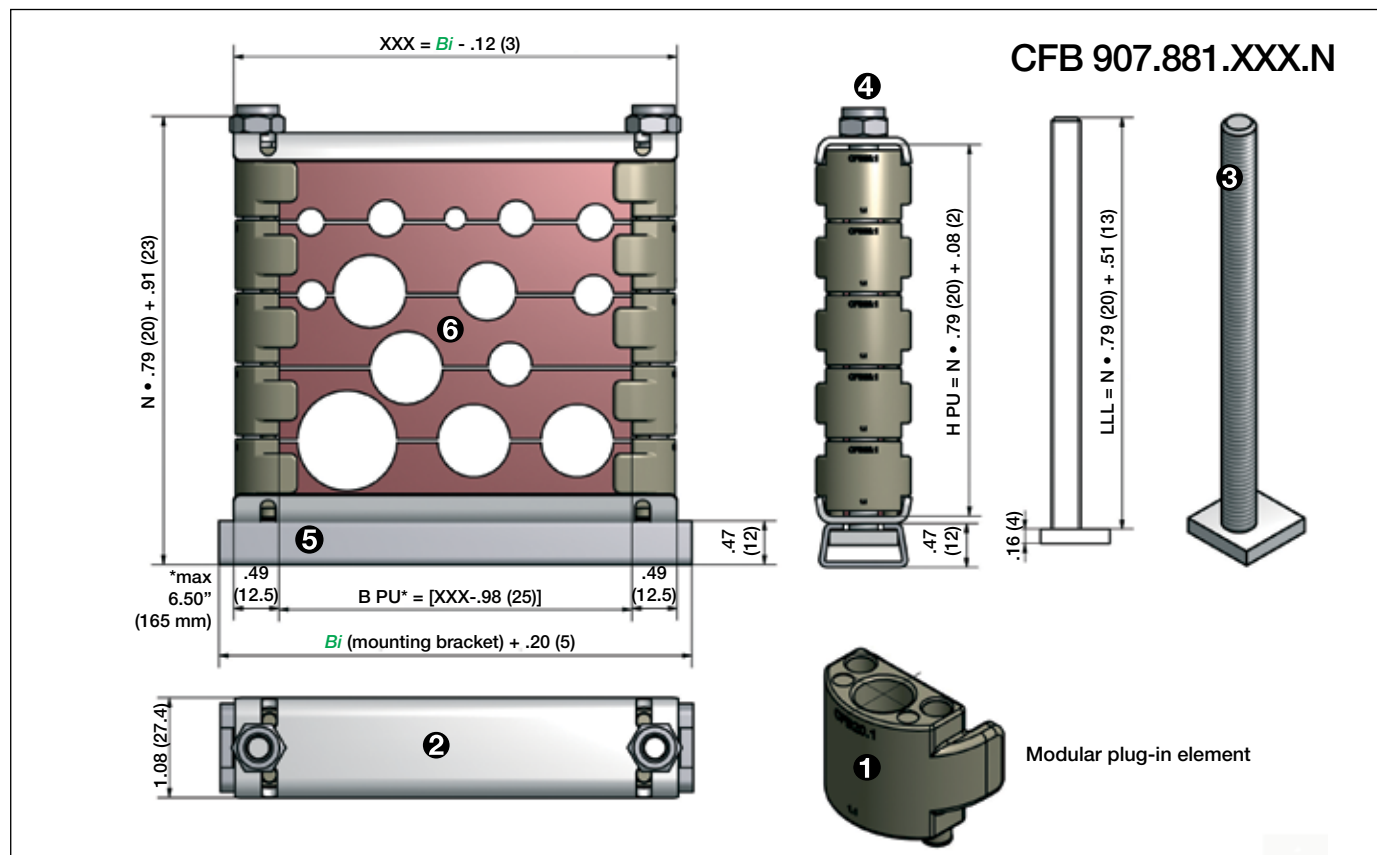
Parts list		
Description	Part No.	Quantity
❶ Outer fixing block	CFB20.1	N x 2
❷ Clamping bar	907.825.1.XXX	2
❸ Threaded bolt with plate	907.825.2.LLL	3
❹ Hexagon nut M8	MAT 0040012	3
❺ C-profile (part of KMA)	92.42.XXX	1
❻ Strain relief block	Customer-specific	1
❼ Strain relief block	Customer-specific	1
❽ Inner fixing block	CFB20.2	N

Order key 907.825.XXX.N

N = Number of layers of fixing blocks
 XXX = **Bi** - 3mm (mounting bracket)
 Part number with version 825

i Please consult igus® when designing with this product





Delivery time upon request due to customer-specific fabrication!



3D CAD, configurators, service life calculation and more ► www.igus.com/chainfix