CFA.

FM Design

EXTENDED RANGE

Hinges

RoHS PA +80° -20°

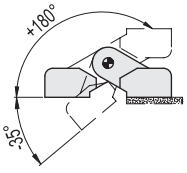
- **Material**
  High-resilience polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- **Colour**
  Black, matte finish.
- **Rotation pin**
  AISI 303 stainless steel.
- **Standard executions**
  - **CFA-B**: nickel-plated brass bosses with threaded hole.
  - **CFA-p**: nickel-plated steel threaded studs.
  - **CFA-SH**: pass-through holes for countersunk head screws.
  - **CFA-CH**: pass-through holes for cylindrical head screws.
  - **CFA-B-p**: nickel-plated brass bosses with threaded hole and nickel-plated steel threaded studs.
  - **CFA-B-SH**: nickel-plated brass bosses with threaded hole and pass-through holes for countersunk head screws.
  - **CFA-B-CH**: nickel-plated brass bosses with threaded hole and pass-through holes for cylindrical head screws.
  - **CFA-p-SH**: nickel-plated steel threaded studs pass-through holes for countersunk head screws.
  - **CFA-p-CH**: nickel-plated steel threaded studs and pass-through holes for cylindrical head screws.

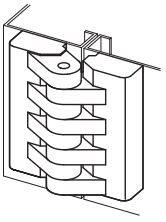
Rotation angle

Max 215° (-35° and + 180° being 0° the condition where the two interconnected surfaces are on the same plane).
Do not exceed the rotation angle limit so as not to prejudice the hinge mechanical peformance.
To choose the convenient type and the right number of hinges for your application, see the Guidelines on catalogue 038, page 792.

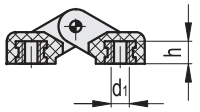
Execution CFK.

False hinge made up of a single body without rotation pin. It can be used for blocking fixed panels, when you want to obtain the same general aesthetical effect.

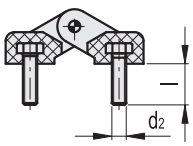




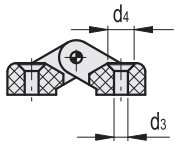
CFA-B



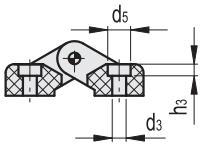
CFA-p



CFA-SH



CFA-CH



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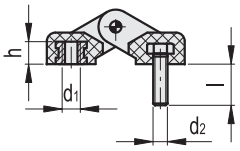

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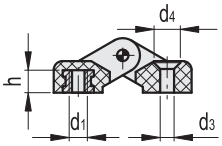
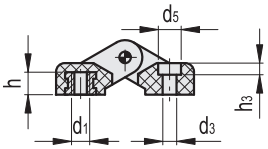
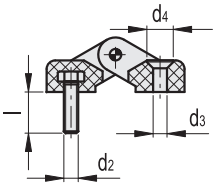


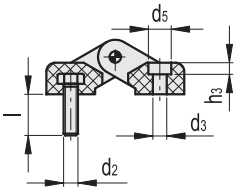
CFA-B -CH

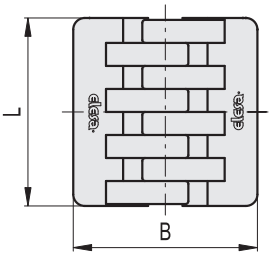


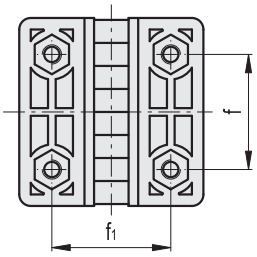
CFA-p-SH

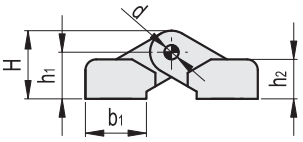


CFA-p-CH



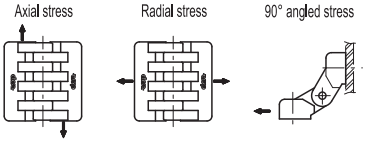






Standard Elements		Main dimensions									Fitting										⚖
											Bosses		Studs		Pass-through holes				C [Nm] #			
Code	Description	L	B	f ±0.25	f1 ±0.25	H	h1	h2	b1	d	d1	h	d2	l	d3	d4	d5	h3	B	p	SH/CH	g
422391	CFA.40 B-M4	39.5	38.5	25.1	25	14	9.5	9.5	14	3	M4	6.5	-	-	-	-	-	-	5	-	-	23
422411	CFA.40 SH-4	39.5	38.5	25.1	25	14	9.5	9.5	14	3	-	-	-	-	4.5	8.5	-	-	-	-	1	14
422412	CFA.40 CH-4	39.5	38.5	25.1	25	14	9.5	9.5	14	3	-	-	-	-	4.5	-	8.5	4.5	-	-	1	14
422111	CFA.49 B-M5	49.5	48	30.5	31	19	13	11	17	4	M5	8.5	-	-	-	-	-	-	5	-	-	39
422113	CFA.49 B-M6	49.5	48	30.5	31	19	13	11	17	4	M6	8	-	-	-	-	-	-	5	-	-	38
422121	CFA.49 p-M5x14	49.5	48	30.5	31	19	13	11	17	4	-	-	M5	14	-	-	-	-	-	5	-	45
422131	CFA.49 SH-5	49.5	48	30.5	31	19	13	11	17	4	-	-	-	-	5.5	10	-	-	-	-	2	29
422132	CFA.49 CH-5	49.5	48	30.5	31	19	13	11	17	4	-	-	-	-	5.5	-	10	5.5	-	-	2	29
422141	CFA.49 B-M5-p-M5x14	49.5	48	30.5	31	19	13	11	17	4	M5	8.5	M5	14	-	-	-	-	5	5	-	42
422151	CFA.49 B-M5-SH-5	49.5	48	30.5	31	19	13	11	17	4	M5	8.5	-	-	5.5	10	-	-	-	-	2	34
422152	CFA.49 B-M5-CH-5	49.5	48	30.5	31	19	13	11	17	4	M5	8.5	-	-	5.5	-	10	5.5	-	-	2	34
422161	CFA.49 p-M5x14-SH-5	49.5	48	30.5	31	19	13	11	17	4	-	-	M5	14	5.5	10	-	-	-	5	2	37
422162	CFA.49 p-M5x14-CH-5	49.5	48	30.5	31	19	13	11	17	4	-	-	M5	14	5.5	-	10	5.5	-	5	2	37
422211	CFA.65 B-M6	65	64	40	40	23	15	13.5	24	5	M6	9	-	-	-	-	-	-	5	-	-	85
422221	CFA.65 p-M6x18	65	64	40	40	23	15	13.5	24	5	-	-	M6	18	-	-	-	-	-	5	-	90
422231	CFA.65 SH-6	65	64	40	40	23	15	13.5	24	5	-	-	-	-	6.5	12.5	-	-	-	-	3	62
422232	CFA.65 CH-6	65	64	40	40	23	15	13.5	24	5	-	-	-	-	6.5	-	11	6.5	-	-	5	62
422241	CFA.65 B-M6-p-M6x18	65	64	40	40	23	15	13.5	24	5	M6	10.5	M6	18	-	-	-	-	5	5	-	88
422251	CFA.65 B-M6-SH-6	65	64	40	40	23	15	13.5	24	5	M6	10.5	-	-	6.5	12.5	-	-	5	-	3	74
422252	CFA.65 B-M6-CH-6	65	64	40	40	23	15	13.5	24	5	M6	10.5	-	-	6.5	-	11	6.5	5	-	5	74
422261	CFA.65 p-M6x18-SH-6	65	64	40	40	23	15	13.5	24	5	-	-	M6	18	6.5	12.5	-	-	-	5	3	76
422262	CFA.65 p-M6x18-CH-6	65	64	40	40	23	15	13.5	24	5	-	-	M6	18	6.5	-	11	6.5	-	5	5	76
422311	CFA.97 B-M10	96.5	97.5	59.5	62.5	35	23	20.5	35	8	M10	15	-	-	-	-	-	-	5	-	-	306
422321	CFA.97 p-M10x20	96.5	97.5	59.5	62.5	35	23	20.5	35	8	-	-	M10	20	-	-	-	-	-	5	-	330
422331	CFA.97 SH-10	96.5	97.5	59.5	62.5	35	23	20.5	35	8	-	-	-	-	10.5	20	-	-	-	-	5	221
422332	CFA.97 CH-10	96.5	97.5	59.5	62.5	35	23	20.5	35	8	-	-	-	-	10.5	-	17	10.5	-	-	5	221
422341	CFA.97 B-M10-p-M10x20	96.5	97.5	59.5	62.5	35	23	20.5	35	8	M10	15	M10	20	-	-	-	-	5	5	-	318
422351	CFA.97 B-M10-SH-10	96.5	97.5	59.5	62.5	35	23	20.5	35	8	M10	15	-	-	10.5	20	-	-	5	-	5	264
422352	CFA.97 B-M10-CH-10	96.5	97.5	59.5	62.5	35	23	20.5	35	8	M10	15	-	-	10.5	-	17	10.5	5	-	5	264
422361	CFA.97 p-M10x20-SH-10	96.5	97.5	59.5	62.5	35	23	20.5	35	8	-	-	M10	20	10.5	20	-	-	-	5	5	276
422362	CFA.97 p-M10x20-CH-10	96.5	97.5	59.5	62.5	35	23	20.5	35	8	-	-	M10	20	10.5	-	17	10.5	-	5	5	276

Suggested tightening torque for assembly screws.



Resistance tests	AXIAL STRESS		RADIAL STRESS		90° ANGLED STRESS	
Description	Maximum working load Ea [N]	Load at breakage Ra [N]	Maximum working load Er [N]	Load at breakage Rr [N]	Maximum working load E90 [N]	Load at breakage R90 [N]
CFA.40 B-M4	200	2050	240	2220	100	730
CFA.40 SH-4	130	2080	290	2030	280	1520
CFA.40 CH-4	137	1800	230	1760	180	1330
CFA.49 B-M5	400	3770	440	3070	170	1470
CFA.49 B-M6	330	3250	470	3250	110	1540
CFA.49 p-M5x14	370	3070	360	1970	200	1680
CFA.49 SH-5	300	2960	310	2880	320	2490
CFA.49 CH-5	360	3080	310	2530	250	1620
CFA.49 B-M5-p-M5x14	370	3070	360	1970	200	1470
CFA.49 B-M5-SH-5	400	2960	280	2880	170	1470
CFA.49 B-M5-CH-5	360	3080	320	2530	170	1470
CFA.49 p-M5x14-SH-5	370	2960	280	1970	200	1680
CFA.49 p-M5x14-CH-5	360	3070	320	1970	200	1620
CFA.65 B-M6	640	4570	690	5670	220	2280
CFA.65 p-M6x18	510	5890	460	6620	220	3190
CFA.65 SH-6	520	4760	720	6270	240	4180
CFA.65 CH-6	510	5280	490	5790	260	3190
CFA.65 B-M6-p-M6x18	510	4570	460	5670	220	2280
CFA.65 B-M6-SH-6	640	4570	690	5670	220	2280
CFA.65 B-M6-CH-6	510	4570	490	5670	220	2280
CFA.65 p-M6x18-SH-6	510	4760	460	6270	220	3190
CFA.65 p-M6x18-CH-6	510	5280	460	5790	220	3190
CFA.97 B-M10	970	7660	2120	17940	590	5210
CFA.97 p-M10x20	890	5950	1730	16190	460	3690
CFA.97 SH-10	1110	6730	1230	10460	510	4100
CFA.97 CH-10	1050	4860	2060	13670	540	4760
CFA.97 B-M10-p-M10x20	890	5950	1730	16190	460	3690
CFA.97 B-M10-SH-10	970	6730	1230	10460	510	4110
CFA.97 B-M10-CH-10	970	4860	2060	13670	540	4760
CFA.97 p-M10x20-SH-10	890	5950	1230	10460	460	3690
CFA.97 p-M10x20-CH-10	890	4860	1730	13670	460	3690