

## Hinges

### Technopolymer rotating pin

#### MATERIAL

High-resilience polyamide based (PA) technopolymer, black colour, matte finish.

#### ROTATING PIN

Acetal resin based (POM) technopolymer, black colour.

#### STANDARD EXECUTIONS

- **CFAX-B**: nickel-plated brass bosses with threaded hole.
- **CFAX-p**: nickel-plated steel threaded studs.
- **CFAX-SH**: pass-through holes for countersunk head screws.
- **CFAX-CH**: pass-through holes for cylindrical head screws.

#### ROTATION ANGLE (APPROXIMATE VALUE)

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 performance.

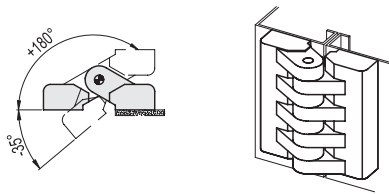
To choose the convenient type and the right number of hinges for your application, see the Guidelines.

#### OTHER EXECUTIONS AVAILABLE

CFK.: false hinge with single body.

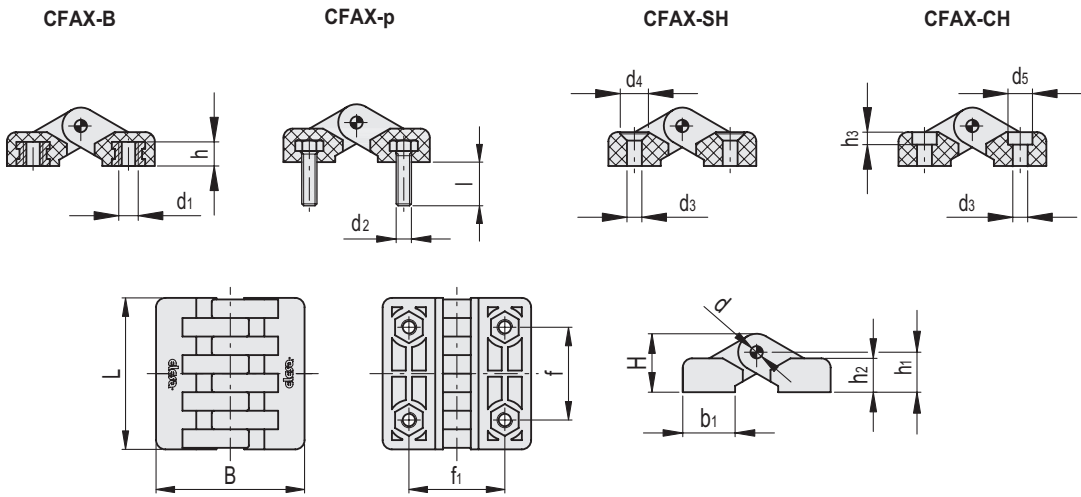


FMM design



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]
CFAX.40 B-M4	200	1850	240	2000	100	560
CFAX.40 SH-4	130	1870	290	1800	280	1370
CFAX.40 CH-4	137	1340	230	1580	180	1200
CFAX.49 B-M5	400	2400	440	2760	170	1320
CFAX.49 p-M5x14	370	3070	360	2400	200	900
CFAX.49 SH-5	300	2660	310	2600	320	2240
CFAX.49 CH-5	360	2480	310	2270	250	1460
CFAX.65 B-M6	640	4000	690	4400	220	1400
CFAX.65 p-M6x18	510	5800	460	4500	220	3190
CFAX.65 SH-6	520	4300	720	4800	240	3760
CFAX.65 CH-6	510	3700	490	5200	260	2870





**CFAX-B**

Code	Description	L	B	d1	h	f $\pm 0.25$	f1 $\pm 0.25$	H	h1	h2	b1	d	C# [Nm]	⚖️
422421	CFAX.40 B-M4	39.5	38.5	M4	6.5	25	25	14	9.5	9.5	14	3	5	23
422431	CFAX.49 B-M5	49.5	48	M5	8.5	30	31	19	13	11	17	4	5	39
422441	CFAX.65 B-M6	65	64	M6	9	40	40	23	15	13.5	24	5	5	85

**CFAX-p**

Code	Description	L	B	d2	l	f $\pm 0.25$	f1 $\pm 0.25$	H	h1	h2	b1	d	C# [Nm]	⚖️
422438	CFAX.49 p-M5x14	49.5	48	M5	14	30	31	19	13	11	17	4	5	45
422448	CFAX.65 p-M6x18	65	64	M6	18	40	40	23	15	13.5	24	5	5	90

**CFAX-SH**

Code	Description	L	B	f $\pm 0.25$	f1 $\pm 0.25$	H	h1	h2	b1	d	d3	d4	C# [Nm]	⚖️
422423	CFAX.40 SH-4	39.5	38.5	25	25	14	9.5	9.5	14	3	4.5	8.5	1	14
422433	CFAX.49 SH-5	49.5	48	30	31	19	13	11	17	4	5.5	10	2	29
422443	CFAX.65 SH-6	65	64	40	40	23	15	13.5	24	5	6.5	12.5	3	62

**CFAX-CH**

Code	Description	L	B	f $\pm 0.25$	f1 $\pm 0.25$	H	h1	h2	h3	b1	d	d3	d5	C# [Nm]	⚖️
422425	CFAX.40 CH-4	39.5	38.5	25	25	14	9.5	9.5	4.5	14	3	4.5	8.5	1	14
422435	CFAX.49 CH-5	49.5	48	30	31	19	13	11	5.5	17	4	5.5	10	2	29
422445	CFAX.65 CH-6	65	64	40	40	23	15	13.5	6.5	24	5	6.5	11	5	62

# Suggested tightening torque for assembly screws.