



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 inter-connected surfaces are on the same plane).

Do not exceed the rotation angle limit so as not to prejudice the hinge mechanical performance.

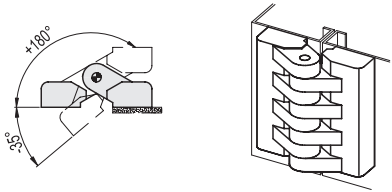
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 952).

OTHER EXECUTIONS AVAILABLE

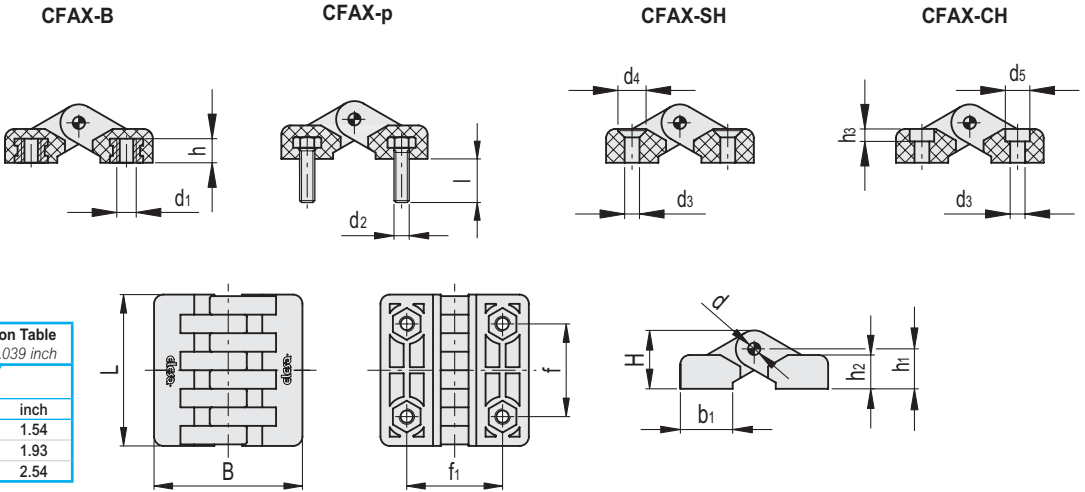
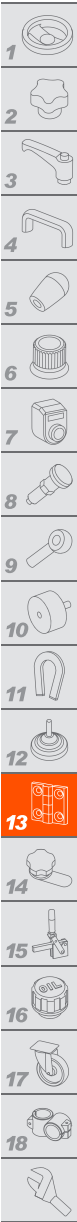
CFK. (on page -): false hinge with single body.



FMM design



| Resistance tests |                                                                                     |                            |                                                                                     |                            |                                                                                       |                             |
|------------------|-------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|-----------------------------|
| Axial Stress     |                                                                                     | Radial Stress              |                                                                                     | 90° Angled Stress          |                                                                                       |                             |
|                  |  |                            |  |                            |  |                             |
| Description      | Maximum working load<br>Ea [N]                                                      | Load at breakage<br>Ra [N] | Maximum working load<br>Er [N]                                                      | Load at breakage<br>Rr [N] | Maximum working load<br>E90 [N]                                                       | Load at breakage<br>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±0.25 | f1 ±0.25 | H  | h1  | h2   | b1 | d | C#<br>[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±0.25 | f1 ±0.25 | H  | h1 | h2   | b1 | d | C#<br>[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±0.25 | f1 ±0.25 | H  | h1  | h2   | b1 | d | d3  | d4   | C#<br>[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±0.25 | f1 ±0.25 | H  | h1  | h2   | h3  | b1 | d | d3  | d5  | C#<br>[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.