

## Tamperproof hinges

### Technopolymer

#### MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.

#### ROTATING PIN

AISI 303 stainless steel, totally moulded in the hinge body.

#### STANDARD EXECUTIONS

- **CFJ-B**: nickel-plated brass bosses with threaded hole.
- **CFJ-p**: nickel-plated steel threaded studs.
- **CFJ-EH**: pass-through holes for hexagonal head screws.
- **CFJ-B-SH**: nickel-plated brass bosses with threaded hole and pass-through holes for countersunk head screws.

#### FEATURES AND APPLICATIONS

The pin is totally moulded in the hinge body (ELESA patent) thus it cannot be extracted, preventing any hinge tampering.

This characteristic makes the hinge particularly suitable for mounting on structures or equipments requiring protection against intrusion.

#### ROTATION ANGLE (APPROXIMATE VALUE)

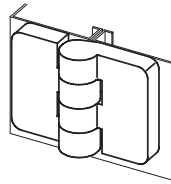
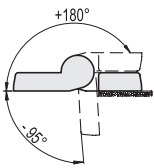
Max 275° (-95° and +180° being 0° the condition where the two interconnected surfaces are on the same plane).

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

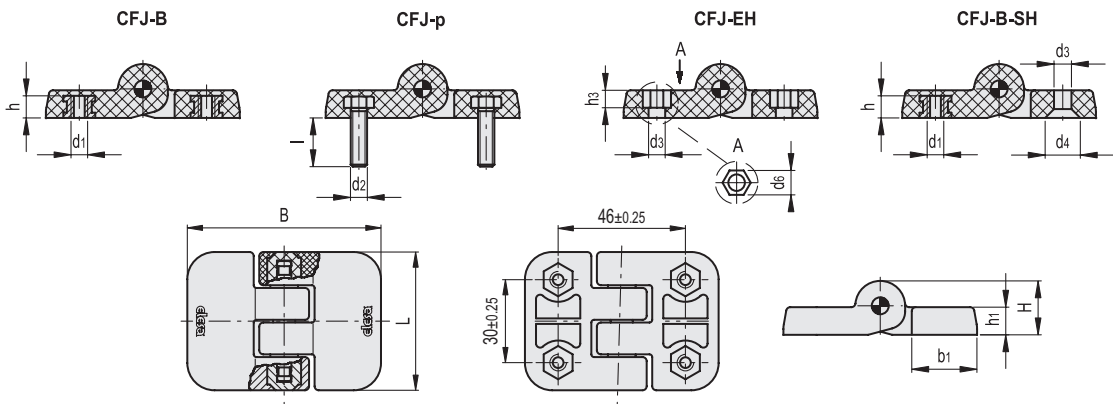
To choose the convenient type and the right number of hinges for your application, see the Guidelines (on page ).



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] |
| CFJ.50 B-M6        | 730                         | 4170                    | 2220                        | 4450                    | 710                          | 2250                     |
| CFJ.50 p-M6x17     | 1420                        | 4410                    | 2180                        | 4350                    | 510                          | 2220                     |
| CFJ.50 EH-6        | 1740                        | 3470                    | 1490                        | 2970                    | 460                          | 2120                     |
| CFJ.50-R-B-M6-SH-6 | 1480                        | 2780                    | 1310                        | 2490                    | 390                          | 1900                     |



| CFJ-B  |             |    |    |                |   |      |                |                |           |    |
|--------|-------------|----|----|----------------|---|------|----------------|----------------|-----------|----|
| Code   | Description | L  | B  | d <sub>1</sub> | h | H    | h <sub>1</sub> | b <sub>1</sub> | C [Nm] B# | ⚖️ |
| 424611 | CFJ.50 B-M6 | 50 | 70 | M6             | 8 | 19.5 | 10             | 23.5           | 5         | 60 |

| CFJ-p  |                |    |    |                |    |      |                |                |           |    |
|--------|----------------|----|----|----------------|----|------|----------------|----------------|-----------|----|
| Code   | Description    | L  | B  | d <sub>2</sub> | l  | H    | h <sub>1</sub> | b <sub>1</sub> | C [Nm] p# | ⚖️ |
| 424621 | CFJ.50 p-M6x17 | 50 | 70 | M6             | 17 | 19.5 | 10             | 23.5           | 4         | 74 |

| CFJ-EH |             |    |    |                |      |                |                |                |                |               |    |
|--------|-------------|----|----|----------------|------|----------------|----------------|----------------|----------------|---------------|----|
| Code   | Description | L  | B  | d <sub>6</sub> | H    | h <sub>1</sub> | h <sub>3</sub> | b <sub>1</sub> | d <sub>3</sub> | C [Nm] EH/SH# | ⚖️ |
| 424631 | CFJ.50 EH-6 | 50 | 70 | 10             | 19.5 | 10             | 5.5            | 23.5           | 6.5            | 5             | 46 |

| CFJ-B-SH |                    |    |    |                |   |      |                |                |                |                |           |               |    |
|----------|--------------------|----|----|----------------|---|------|----------------|----------------|----------------|----------------|-----------|---------------|----|
| Code     | Description        | L  | B  | d <sub>1</sub> | h | H    | h <sub>1</sub> | b <sub>1</sub> | d <sub>3</sub> | d <sub>4</sub> | C [Nm] B# | C [Nm] EH/SH# | ⚖️ |
| 424671   | CFJ.50-R B-M6-SH-6 | 50 | 70 | M6             | 8 | 19.5 | 10             | 23.5           | 6.5            | 12.5           | 5         | 3             | 66 |

# Suggested tightening torque for assembly screws.