CFO.

FM Design

Offset lift-off hinge

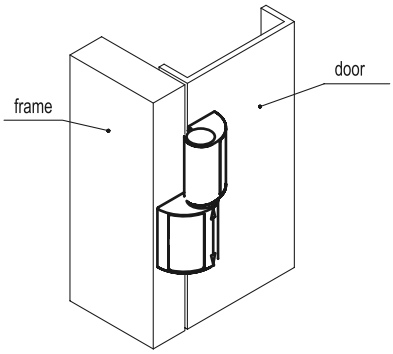
PA | +80° -20°

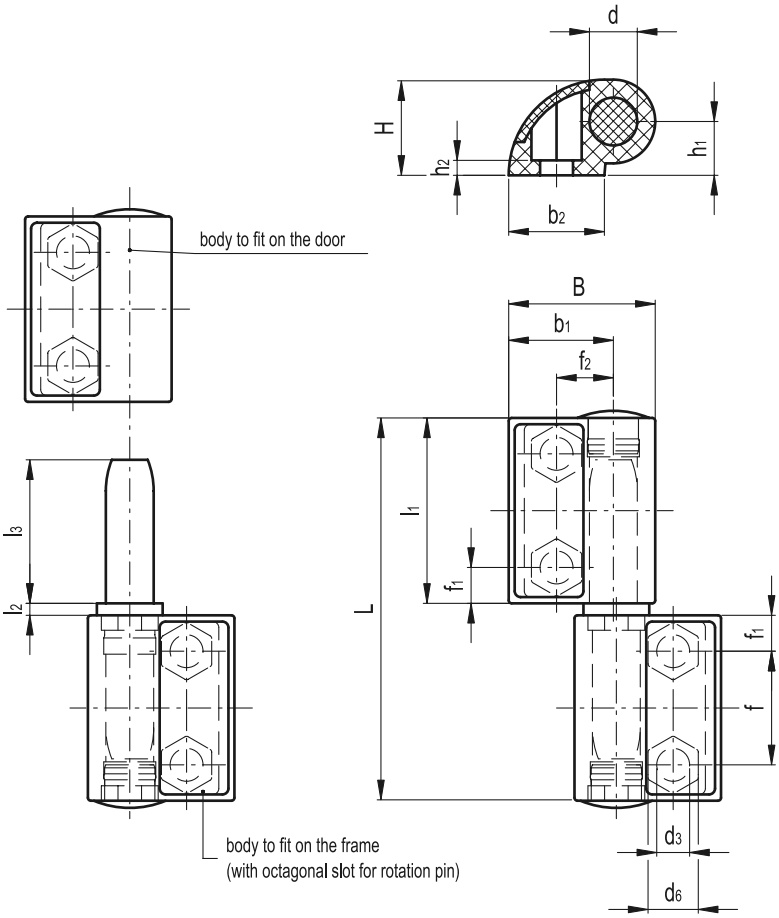
- **Material**
  Glass-fibre reinforced polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- **Colour**
  Black, matte finish.
- **Rotation pin**
  Acetal resin based (POM) technopolymer, black colour.
- **Assembly**
  Through holes for hexagonal head screws, cylindrical head screws with hexagon socket or M5 normal nuts (UNI 5588).
- **Screw-covers**
  Polyester based (PBT) technopolymer, black colour, glossy finish, snap-in assembly.
- **Covers for rotation pin housing**
  Technopolymer, black colour, matte finish; to be fitted after assembly.

Special executions on request *(For sufficient quantities)*
Screw-covers in other RAL colours.

Features and applications
CFO. offset lift-off hinges have been designed with a particular system patented by ELESA which allows the adjustment of the inclination of the door on the frame.
They can be mounted on doors which open on the right or on the left side.
The two bodies of the hinge have two rotation pin housings each: the one which remains on the outer edge of the hinge can be closed with the supplied covers.
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 792).

Application example

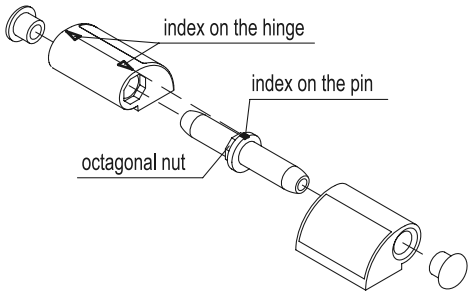


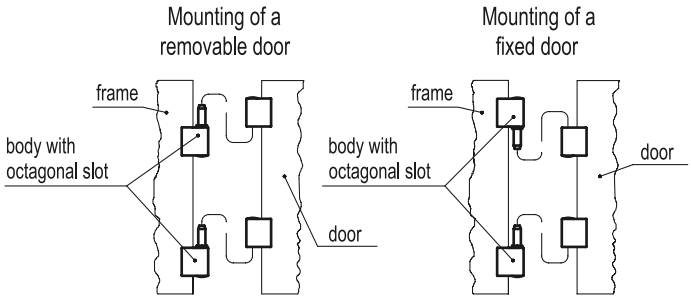


Standard Elements		Main dimensions														Fitting		⚖
Code	Description	L	B	H	f	f1	f2	l1	l2	l3	h1	h2	b1	b2	d	d3	d6	g
426211-C9	CFO.65 EH-5-C9	64	24.5	16	19	6	9.5	31	2	24	9	2.5	17.5	16	8	5.5	8.5	25

Assembly instructions

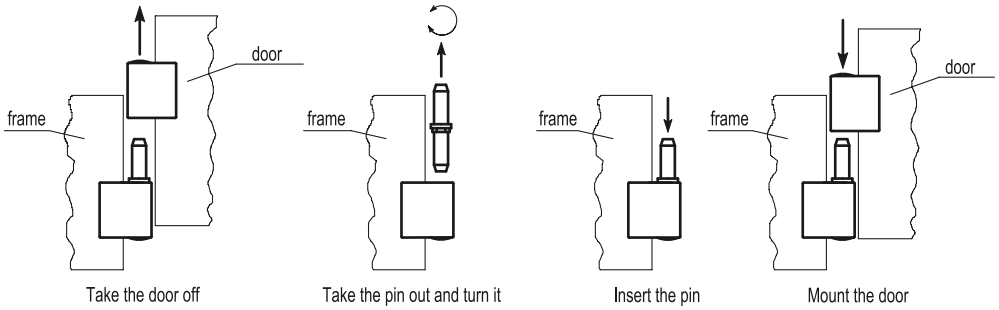
1. Fit the hinge bodies with octagonal slot for rotation pin on the frame and the other two bodies with cylindrical slot on the door.
2. Insert the pins with octagonal nut in the bodies fitted on the frame by matching the indexes engraved on the pin and on the hinge.
3. Mount the door by matching the hinge bodies on the pins.





Instructions for the adjustment of the door

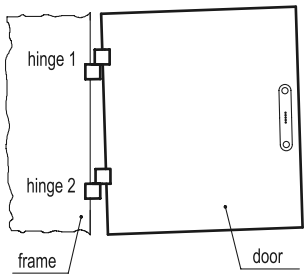
In case the door is off line with the frame, the inclination of the door can be adjusted by turning the pins clockwise or anticlockwise.



Adjustment examples

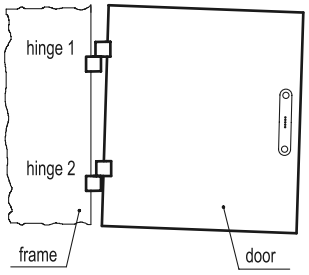
If the door is off line on the bottom side

In order to have the door in line with the frame, turn the pin of hinge 1 anti-clockwise and the pin of hinge 2 by 45° or 90° clockwise.



If the door is off line on the top side

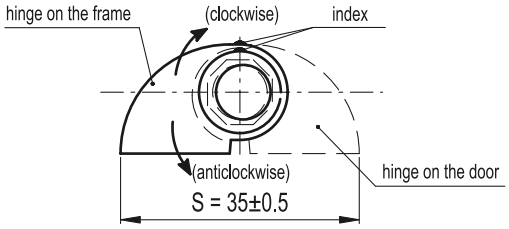
In order to have the door in line with the frame, turn the pin of hinge 1 clockwise and the pin of hinge 2 by 45° or 90° anticlockwise.

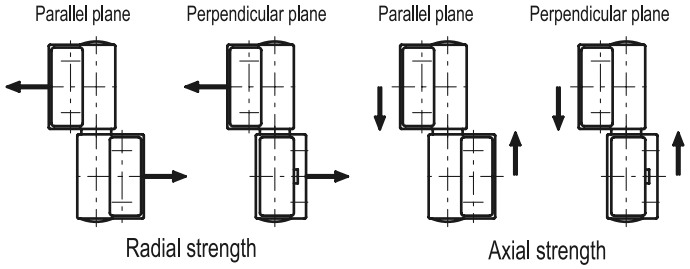


Off line adjustments

Each pin has eight different positions which allow the adjustment of off line door. To have the door in line with the frame, it can be necessary to adjust the pins of both hinges.

By turning the pin anticlockwise, the distance S increases (+0.5) while by turning the pin clockwise, it decreases (-0.5).





Standard Elements		Maximum tightening torque [Nm]	RADIAL STRENGTH	AXIAL STRENGTH
			Maximum working load Er [N]	Maximum working load Ea [N]
Code	Description		Parallel and perpendicular planes	Parallel and perpendicular planes
426211-C9	CFO.65 EH-5-C9	5	200	290

The load at breakage data have not been calculated because CFO. hinges under working conditions exceeding the maximum working load values indicated in the tables, produce a plastic deformation which makes them no more usable.