

## Offset lift-off hinge

### Technopolymer

#### MATERIAL

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

#### AJUSTABLE PIN WITH OCTAGONAL SLOT

Acetal based (POM) technopolymer, black colour.

#### SCREW-COVERS

Polyester based (PBT) technopolymer, black colour, glossy finish, snap-in assembly.

#### COVERS FOR PIN SLOT

Technopolymer, black colour, matte finish; to be fitted after assembly.

#### HINGE ASSEMBLY ON FRAME AND DOOR

Pass-through holes for hexagonal head screws, cylindrical head screws with hexagon socket or M5 hexagonal nuts (UNI 5588).

#### FEATURES AND APPLICATIONS

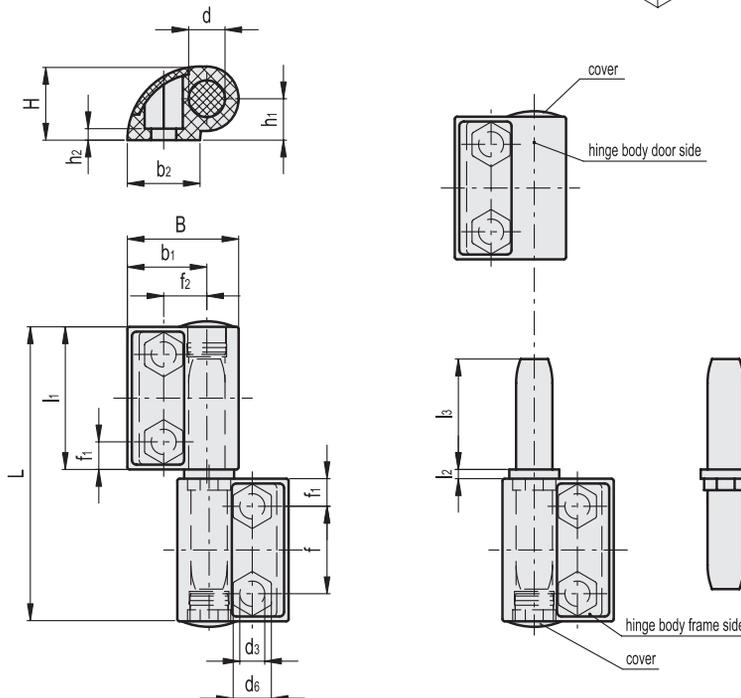
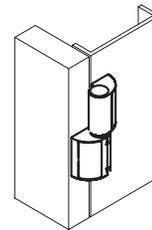
CFO. offset lift-off hinges (ELESA patent) have been designed to adjust possible misalignments between the door and the frame. They can be mounted on doors which open on the right or on the left side. Each body of the hinge has a slot for fitting the pin: the opposite side can be closed with the supplied cover. To choose the convenient type and the right number of hinges for your application, see the Guidelines (on page 1368).

#### SPECIAL EXECUTIONS ON REQUEST

Screw-covers in different RAL colours.



FMMdesign



Code	Description	L	B	f	f <sub>1</sub>	f <sub>2</sub>	H	h <sub>1</sub>	h <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	b <sub>1</sub>	b <sub>2</sub>	d	d <sub>3</sub>	d <sub>6</sub>	C# [Nm]		
426211-C9	CFO.65 EH-5-C9	64	24.5	19	6	9.5	16	9	2.5	31	2	24	17.5	16	8	5.5	8.5	5	25	

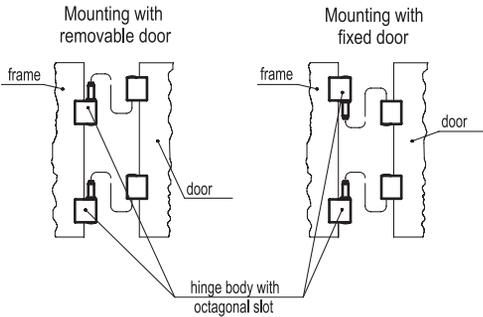
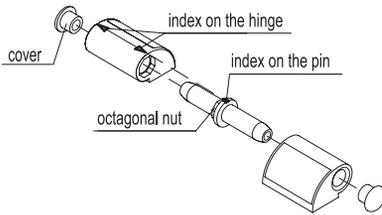
# Suggested tightening torque for assembly screws.

Resistance tests			
AXIAL STRESS		RADIAL STRESS	
Parallel planes	Perpendicular planes	Parallel planes	Perpendicular planes
Maximum working load Ea [N]		Maximum working load Er [N]	
290		200	

The elastic deformation, which occurs on the hinge for values of load exceeding the ones indicated in the table, makes the load at breakage meaningless.

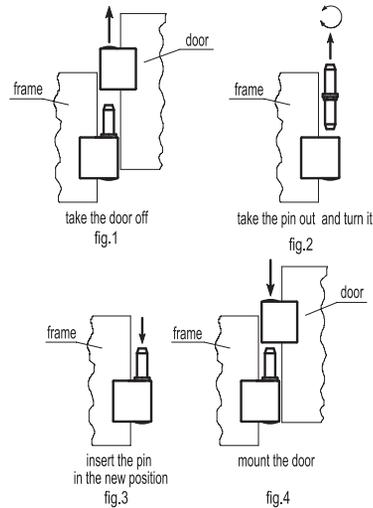
**ASSEMBLY INSTRUCTIONS**

1. Fit the hinge bodies with octagonal slot on the frame and the other two bodies with cylindrical slot on the door.
2. Insert the pins with octagonal slot in the two 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.



**OFF LINE ADJUSTMENTS**

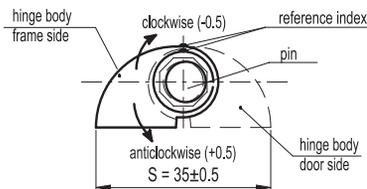
The pin has an octagonal slot which allows different positions for the adjustment of off line door (fig. 1-2-3-4). To have the door in line with the frame, it can be necessary to adjust the pins of both hinges.



**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 octagonal slot of the pins clockwise or anticlockwise.

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



**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 anticlockwise by 45° or 90° and the pin of hinge 2 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 anticlockwise by 45° or 90° and the pin of hinge 2 clockwise.

