

## Thin hinge



- **Material**  
Glass-fibre reinforced polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- **Colour**  
Black, matte finish.
- **Rotation pin and end-caps**  
Acetal resin based (POM) technopolymer.
- **Assembly**  
Through holes for self-tapping countersunk head screws diameter 4.8 mm.

### Features and applications

Completely made of technopolymer, without using metal parts, the hinge is suitable for application on machines and equipment in those sectors where laws or particular hygienic, climatic and environmental factors make it mandatory to use corrosion resistant materials.

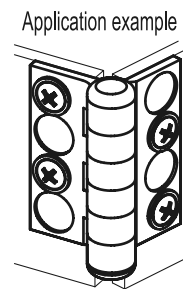
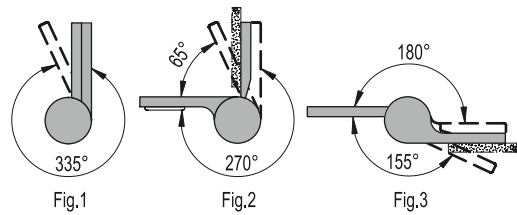
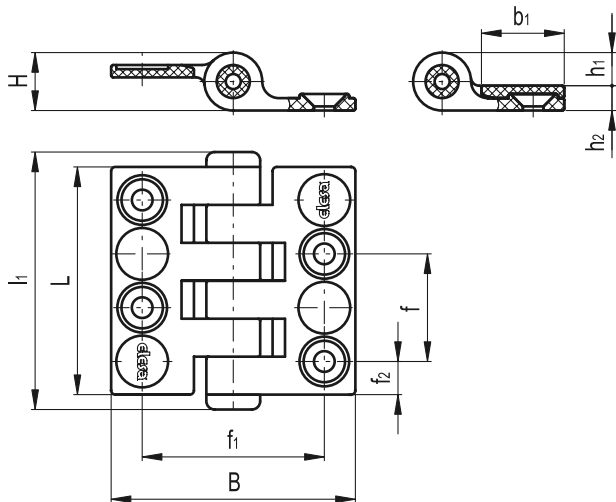
By replacing the technopolymer rotation pin with a metal one with an appropriate form, the hinge is suitable to control a safety micro switch mounted on the structure where the hinge is situated.

### Rotation angle

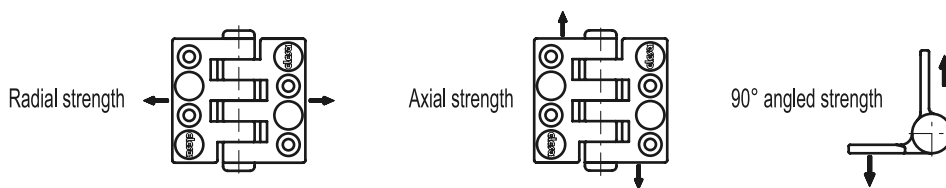
CFC. hinges have a max rotation angle of 335°. Depending on the type of assembly (see Fig. 1, Fig. 2 and Fig. 3) the rotation angle of the door can be lower.

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 applications, see the Guidelines (see page 792).



Standard Elements		Main dimensions									Fitting	⚖	
Code	Description	B	L	f ±0.25	f1 ±0.25	f2	H	h1	h2	l1	b1	Through holes	g
422611	CFC.55 SH-5	59	55	26.1	43.7	8	14	8	6	62	20	4.8	20



Standard Elements		RADIAL STRENGTH		AXIAL STRENGTH		90° ANGLED STRENGTH		Maximum tightening torque [Nm]
Code	Description	Maximum working load Er [N]	Load at breakage Rr [N]	Maximum working load Ea [N]	Load at breakage Ra [N]	Maximum working load E90 [N]	Load at breakage R90 [N]	
422611	CFC.55 SH-5	890	1770	750	1500	180	270	5