

**MATERIAL**

Acetal resin based (POM) technopolymer, black colour, matte finish.

**ROTATING PIN**

Acetal based (POM) technopolymer, black colour.

**SCREW-COVERS**

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

**STANDARD EXECUTIONS**

- **CFP-SH**: pass-through holes for countersunk head screws.
- **CFP-CH**: pass-through holes for cylindrical head screws.
- **CFP-EH**: pass-through holes for hexagonal head screws.

**ROTATION ANGLE (APPROXIMATE VALUE)**

Max 195° (-15° and +180° being 0° the condition where the interconnected surfaces are on the same plane).

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



This hinge can be used combined with the hinge type CFQ. (see page 1305) with the same design, without detent position.

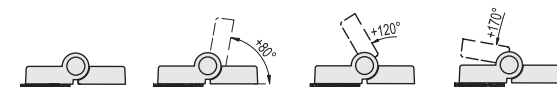
The detent device (ELESA patent) allows four different detent positions of the door (0°, +80°, +120°, +170°).

To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 1298).

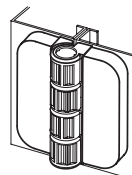
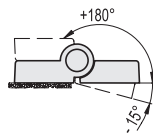
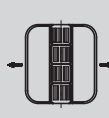
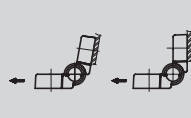
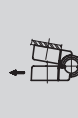
**RESISTANT TORQUE**

All detent positions guarantee a resistant torque of about 1.1 Nm (which is the torque that must be applied to free the detent device of the hinge).

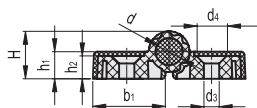
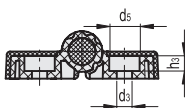
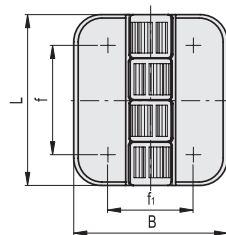
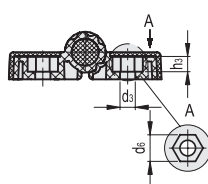
The hinge has been tested with more than 10.000 opening and closing cycles and the value of the resistant torque was unchanged.



FM design

**Resistance tests****AXIAL STRESS****RADIAL STRESS****80° AND 90° ANGLED STRESS****120° ANGLED STRESS****70° ANGLED STRESS****Resistant torque**

Maximum working load Ea [N]	Load at breakage Ra [N]	Maximum working load Er [N]	Load at breakage Rr [N]	Maximum working load E80 e E90 [N]	Load at breakage R80 e R90 [N]	Maximum working load E120 [N]	Load at breakage R120 [N]	Maximum working load E170 [N]	Load at breakage R170 [N]	[Nm]
300	1220	350	1970	345	620	285	855	400	1410	1.1

**CFP-SH****CFP-CH****CFP-EH**

Code	Description	L	B	f	f1	H	h1	h2	h3	b1	d	d3	d4	d5	d6	C# [Nm]	Δ
426311-C9	CFP.50 SH-4-C9	50	45	32	25	14	8	7	-	21.5	8	4.5	8.5	-	-	1.5	17
426312-C9	CFP.50 CH-4-C9	50	45	32	25	14	8	7	4.5	21.5	8	4.5	-	8.5	-	1.5	17
426313-C9	CFP.50 EH-4-C9	50	45	32	25	14	8	7	4.5	21.5	8	4.5	-	-	7	1.5	17