METRIC

RoHS POM +65° -5°

MATERIAL
Acetal based (POM) technopolymer. Flammability class UL94-HB. Black colour, matte finish.

PIN
Polycarbonate based (PC) technopolymer, black colour, matte finish. Flammability class UL94-V2.

ADJUSTING BOSS AND SCREW
AISI 304 stainless steel screw.
AISI 303 stainless steel adjusting boss.

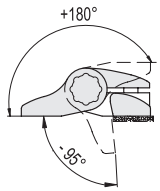
STANDARD EXECUTION
Assembly by means of pass-through holes for cylindrical head screws.

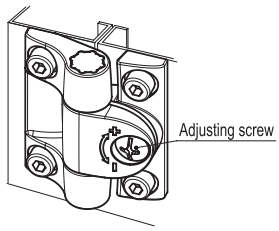
FEATURES AND APPLICATIONS
The main feature of CFU. hinge is the possibility to adjust the resistant torque of the door on which it is assembled, facilitating the door clamping in the various positions of opening, partial opening and closing.
To adjust the friction force, simply turn the screw on the hinge body, clockwise to increase the friction and anti-clockwise to reduce it.

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.

RESISTANT TORQUE
The resistant torque values of 1.4 and 4 Nm can be obtained by applying a maximum tightening torque of 0.8 Nm (CFU.40) and 4 Nm (CFU.60) on the adjusting screw.
The hinge had been tested with more than 60.000 opening and closing cycles and the values of the resistant torque was unchanged.
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 952).

ELESA Original design





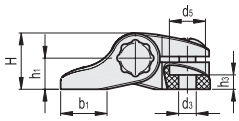
Resistance tests	Axial Stress	Radial Stress	90° Angled Stress	Resistant torque

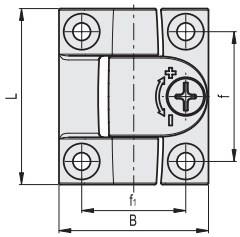
Description	Maximum working load* Ea [N]	Load at breakage Ra [N]	Maximum working load Er [N]	Load at breakage Rr [N]	Maximum working load E90 [N]	Load at breakage R90 [N]	[Nm]
CFU.40 CH-4	300	900	300	1500	230	1000	1.4
CFU.60 CH-6	600	2350	400	3200	350	2500	4

* Elastic deformation 1 mm.

Conversion Table
1 mm = 0.039 inch

L		d5	
mm	inch	mm	inch
43	1.69	9	0.35
63.5	2.5	12.5	0.49





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Code	Description	L	B	f±0.25	f1 ±0.25	H	h1	h3	b1	d3	d5	C# [Nm]	⚖
427512	CFU.40 CH-4	43	36.5	31.7	25.5	14	7.5	3.5	11.5	4.5	9	1	26
427522	CFU.60 CH-6	63.5	56.5	47.5	38	21	11.5	6.5	17.5	6.5	12.5	3	49

Suggested tightening torque for assembly screws.