CFTX-PP | Hinges

Technopolymer (polypropylene)

RoHS PP +80° 0°

MATERIAL

Glass-fibre reinforced polypropylene based (PP) technopolymer, black colour, matte finish.

STANDARD EXECUTIONS

Pass-through holes for countersunk head screws.
- **CFTX-PP**: with AISI 303 stainless steel rotating pin.
- **CFTX-PP-TT**: with titanium grade 2 rotation pin.

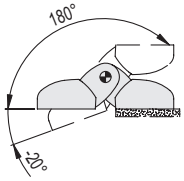
ROTATION ANGLE *(APPROXIMATE VALUE)*

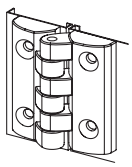
Max 200° (-20° and +180° being 0° the condition where the interconnected surfaces are on the same plane).
Do not exceed the rotation angle limit so as not to prejudice the hinge mechanical performance.
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 952).

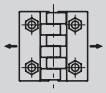
FEATURES AND APPLICATIONS

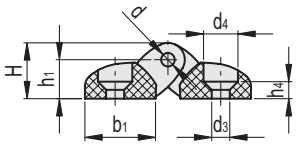
Polypropylene hinges are particularly suitable for those sectors where they can be in contact with chemical agents and/or for frequent washing with acidic or basic detergent solutions, such as in the chemical, process, pharmaceutical, food, textile and paper industry.
The version with grade 2 titanium pin guarantees maximum chemical resistance and is suitable for use in highly aggressive environments such as the galvanic industry and the naval sector.

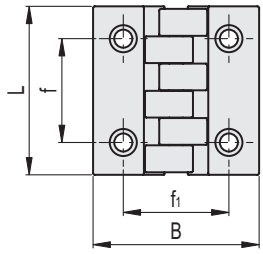
ELESA Original design





Resistance tests	Axial Stress		Radial Stress		90° Angled Stress	
						
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]
CFTX.40	200	1100	200	1200	200	600
CFTX.49	300	1700	300	1400	300	900
CFTX.65	500	3000	500	2100	500	1400





Conversion Table
1 mm = 0.039 inch

mm	inch
39.5	**1.56**
49.5	**1.95**
65	**2.56**

METRIC

Code	Description	Code	Description	L	B	f±0.25	f1 ±0.25	H	h1	h4	b1	d	d3	d4	C# [Nm]	⚖
427311	CFTX.40 PP-SH-4	427313	CFTX.40 PP-TT-SH-4	39.5	38.5	25	25	13	9	4.5	16.5	3	4.5	8.5	2	10
427331	CFTX.49 PP-SH-5	427333	CFTX.49 PP-TT-SH-5	49.5	49	30.5	31	16.5	11.5	5	21	4	5.5	10.5	2	20
427351	CFTX.65 PP-SH-6	427353	CFTX.65 PP-TT-SH-6	65	64	40	40	21.5	15	9	27.5	5	6.5	12.5	2	57

Suggested torque for screw assembly.