

Hinges for narrow jamb

Mounting on glass or panels, SUPER-technopolymer

MATERIAL

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

ROTATING PIN

Glass-fibre reinforced polyamide based (PA) SUPER-technopolymer.

STEP WASHERS

NBR rubber, 70 Shore A hardness (included in the supply). Produced from FDA compliant raw material (FDA CFR.21 and EU 10/2011).

FLAT WASHERS

A4 UNI 6593-MT stainless steel (included in the supply).

STANDARD EXECUTIONS

For mounting with flush door and jamb (Fig. 1).

- **CFDX-G-C-B:** stainless steel nuts with a threaded hole in the narrow body (jamb); brass bushings with a blind threaded hole in the wide body (door).
- **CFDX-G-C-p:** stainless steel threaded studs on the narrow body (jamb), brass bushings with blind threaded holes on the wide body (door).
- **CFDX-G-C-SH:** pass-through-holes with housing for countersunk-head screws on the narrow body (jamb), brass bushings with blind threaded holes on the wide body (door).

For mounting with the door (max. thickness = 5 mm) flush against the jamb (Fig. 2).

- **CFDX-G-R-B:** stainless steel nuts with a threaded hole in the narrow body (jamb); brass bushings with a blind threaded hole in the wide body (door).
- **CFDX-G-R-p:** stainless steel threaded studs on the narrow body (jamb), brass bushings with blind threaded holes on the wide body (door).
- **CFDX-G-R-SH:** pass-through-holes with housing for countersunk-head screws on the narrow body (jamb), brass bushings with blind threaded holes on the wide body (door).

FEATURES AND APPLICATIONS

The hinge (registered design) is made up of two bodies of different sizes (one wide and one narrow) for use, for example, on structures with a narrow jamb. The type of mounting makes tampering by third parties difficult. SH versions are supplied disassembled to facilitate mounting.

ROTATION ANGLE (APPROXIMATE VALUE)

Max 195° (-5° and +190° 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.

ASSEMBLY INSTRUCTIONS

For mounting on glass or panels:

- Drill a hole $\varnothing 10.5 \pm 0.2$ in the glass or in the panel (min. thickness 4 mm).
- Place the hinge at the front centring the matching part (d1) in the hole.
- On the opposite side, insert the step washers and flat washers, and secure with screws (not included).

For version SH:

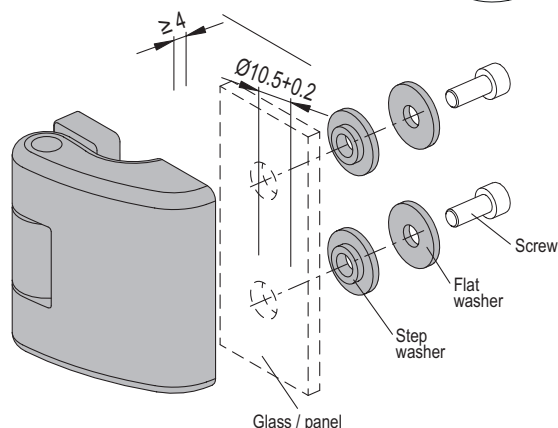
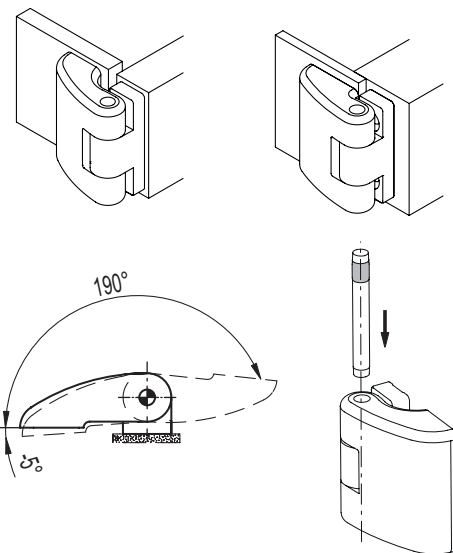
- Assemble the narrow side to the jamb side and the wide side to the door side.
- Insert the rotating pin from the side where the diametric enlargement is not present until it locks in the hinge body.



ELESA Original design

Fig. 1

Fig. 2

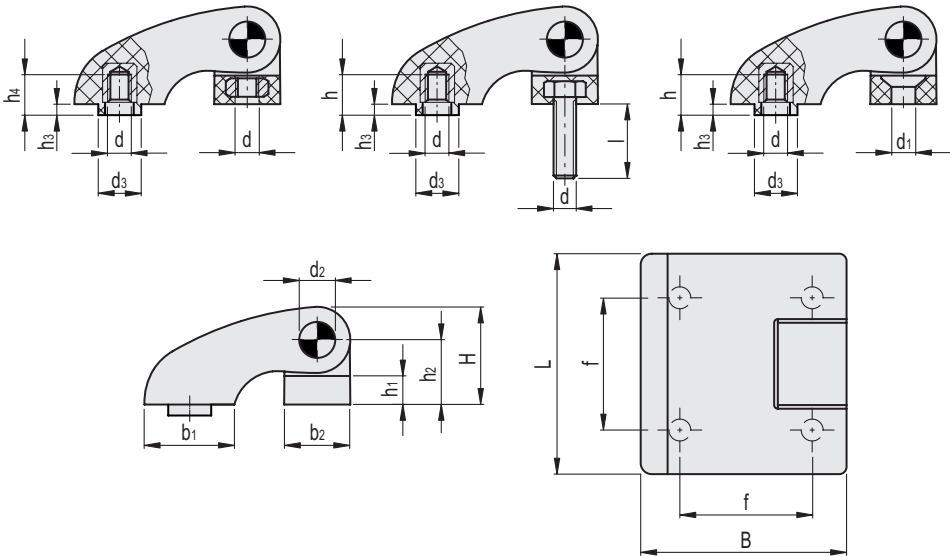


Test for resistance	Axial Stress		Radial Stress		90° Angled Stress	
Description	Maximum working load Ea [N]	Breaking load Ra [N]	Maximum working load Er [N]	Breaking load Rr [N]	Maximum working load E90 [N]	Breaking load R90 [N]
CFDX-G-C.40-B-M5	488	2541	397	1613	347	1361
CFDX-G-C.40-p-M5x14.5	455	2569	362	1679	450	1458
CFDX-G-C.40-SH.5	455	2822	455	1713	492	1377
CFDX-G-C.50-B-M6	909	2567	1051	2034	1211	2161
CFDX-G-C.50-p-M6x14.5	534	2330	1247	2194	1415	2365
CFDX-G-C.50-SH.6	921	2795	1238	2818	1299	2899
CFDX-G-C.60-B-M6	820	3585	1152	2004	1676	2481
CFDX-G-C.60-p-M6x14.5	798	3106	1064	1904	1747	2510
CFDX-G-C.60-SH.6	1072	3560	1092	3326	1877	4587

CFDX-G-C-B

CFDX-G-C-p

CFDX-G-C-SH



CFDX-G-C-B

STAINLESS STEEL

Code	Description	L	B	f	d	d ₂	d ₃	b ₁	b ₂	H	h ₁	h ₂	h ₃	h ₄	C# [Nm]	C## [Nm]	⚖
422636	CFDX-G-C.40-B-M5	40	43	25	M5	4	10.5	23	14	21	6.5	14	2	9.5	4	3	44
422641	CFDX-G-C.50-B-M6	50	50	30	M6	6	10.5	24	16	23.5	7	15.5	2	10.5	5	5	65
422646	CFDX-G-C.60-B-M6	60	56	36	M6	8	10.5	24.5	18	26.5	7.5	17.5	2	10.5	5	5	85

CFDX-G-C-p

STAINLESS STEEL

Code	Description	L	B	f	d	d ₂	d ₃	l	b ₁	b ₂	H	h ₁	h ₂	h ₃	h ₄	C# [Nm]	C## [Nm]	⚖
422637	CFDX-G-C.40-p-M5x14	40	43	25	M5	4	10.5	14	23	14	21	6.5	14	2	9.5	4	6	49
422642	CFDX-G-C.50-p-M6x14	50	50	30	M6	6	10.5	14	24	16	23.5	7	15.5	2	10.5	5	8	72
422647	CFDX-G-C.60-p-M6X14	60	56	36	M6	8	10.5	14	24.5	18	26.5	7.5	17.5	2	10.5	5	8	91

CFDX-G-C-SH

STAINLESS STEEL

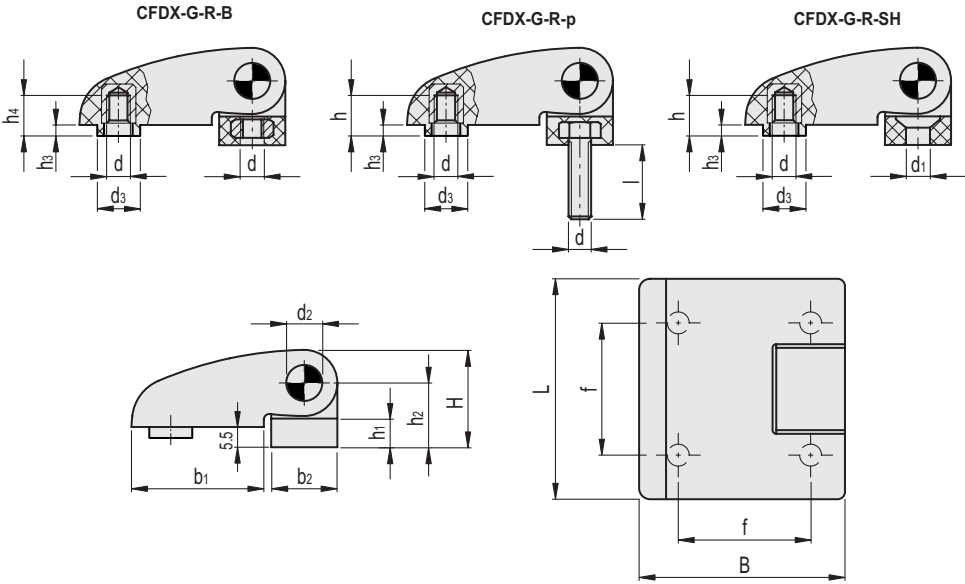
Code	Description	L	B	f	d	d ₁	d ₂	d ₃	b ₁	b ₂	H	h ₁	h ₂	h ₃	h ₄	C# [Nm]	C## [Nm]	⚖
422638	CFDX-G-C.40-SH-5	40	43	25	M5	5.5	4	10.5	23	14	21	6.5	14	2	9.5	4	3	42
422643	CFDX-G-C.50-SH-6	50	50	30	M6	6.5	6	10.5	24	16	23.5	7	15.5	2	10.5	5	5	41
422648	CFDX-G-C.60-SH-6	60	56	36	M6	6.5	8	10.5	24.5	18	26.5	7.5	17.5	2	10.5	5	5	81

Suggested tightening torque, door side.
Suggested tightening torque, jamb side.



12 Hinges and accessories

Test for resistance	Axial Stress		Radial Stress		90° Angled Stress	
						
Description	Maximum working load Ea [N]	Breaking load Ra [N]	Maximum working load Er [N]	Breaking load Rr [N]	Maximum working load E90 [N]	Breaking load R90 [N]
CFDX-G-R.40-B-M5	509	2760	496	1479	555	1437
CFDX-G-R.40-p-M5x14.5	491	2845	541	1592	614	1382
CFDX-G-R.40-SH.5	498	3037	537	1562	608	1434
CFDX-G-R.50-B-M6	853	3550	1186	1540	1784	2430
CFDX-G-R.50-p-M6x14.5	606	2938	1393	2625	1675	2732
CFDX-G-R.50-SH.6	788	2989	1235	3299	1475	3210
CFDX-G-R.60-B-M6	965	3245	1166	2258	1446	2377
CFDX-G-R.60-p-M6x14.5	786	3150	1138	2028	1543	2631
CFDX-G-R.60-SH.6	1187	3563	1104	3374	1569	4784



CFDX-G-R-B

STAINLESS STEEL

Code	Description	L	B	f	d	d ₂	d ₃	b ₁	b ₂	H	h ₁	h ₂	h ₃	h ₄	C# [Nm]	C## [Nm]	⚖
422666	CFDX-G-R.40-B-M5	40	43	25	M5	4	10.5	27	14	21	6.5	14	2	9.5	4	3	41
422671	CFDX-G-R.50-B-M6	50	50	30	M6	6	10.5	32	16	23.5	7	15.5	2	10.5	5	5	64
422676	CFDX-G-R.60-B-M6	60	56	36	M6	8	10.5	36	18	26.5	7.5	17.5	2	10.5	5	5	83

CFDX-G-R-p

STAINLESS STEEL

Code	Description	L	B	f	d	d ₂	d ₃	l	b ₁	b ₂	H	h ₁	h ₂	h ₃	h ₄	C# [Nm]	C## [Nm]	⚖
422667	CFDX-G-R.40-p-M5x14	40	43	25	M5	4	10.5	14	27	14	21	6.5	14	2	9.5	4	6	45
422672	CFDX-G-R.50-p-M6x14	50	50	30	M6	6	10.5	14	32	16	23.5	7	15.5	2	10.5	5	8	71
422677	CFDX-G-R.60-p-M6x14	60	56	36	M6	8	10.5	14	36	18	26.5	7.5	17.5	2	10.5	6	8	90

CFDX-G-R-SH

STAINLESS STEEL

Code	Description	L	B	f	d	d ₁	d ₂	d ₃	b ₁	b ₂	H	h ₁	h ₂	h ₃	h ₄	C# [Nm]	C## [Nm]	⚖
422668	CFDX-G-R.40-SH-5	40	43	25	M5	5.5	4	10.5	27	14	21	6.5	14	2	9.5	4	3	38
422673	CFDX-G-R.50-SH-6	50	50	30	M6	6.5	6	10.5	32	16	23.5	7	15.5	2	10.5	5	5	60
422678	CFDX-G-R.60-SH-6	60	56	36	M6	6.5	8	10.5	36	18	26.5	7.5	17.5	2	10.5	5	5	79

Suggested tightening torque, door side.
Suggested tightening torque, jamb side.