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

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

STANDARD EXECUTIONS
For mounting with flush door and jamb (Fig. 1).
- **CFDX-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-C-p:** stainless steel threaded studs on the narrow body (jamb), brass bushings with blind threaded holes on the wide body (door).
- **CFDX-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-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-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 (SH VERSIONS)
- Secure the narrow body to the jamb and the wide body to the door.
- Use a suitable tool to 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

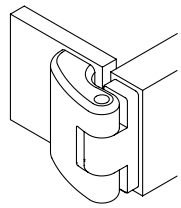
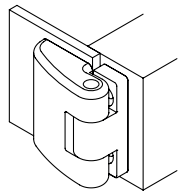
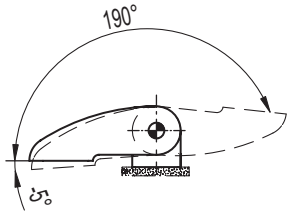
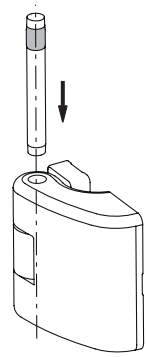


Fig. 2







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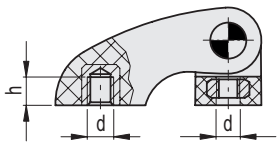
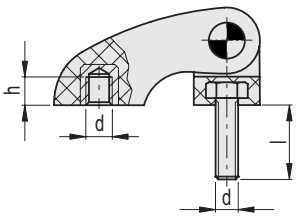
Test for resistance	Axial Stress		Radial Stress		90° Angled Stress	
Description	Maximum working load Ea [N]	Breaking load Ra [N]	Maximum working load Er [N]	Breaking load Rr [N]	Maximum working load E90 [N]	Breaking load R90 [N]
CFDX-C.40-B-M5	498	2859	399	1633	401	1373
CFDX-C.40-p-M5x14	341	2924	417	1563	405	1545
CFDX-C.40-SH.5	451	2759	417	1579	473	1356
CFDX-C.50-B-M6	776	2837	1219	1738	1747	2165
CFDX-C.50-p-M6x14	759	2596	1283	2263	1779	2591
CFDX-C.50-SH.6	969	2836	1152	3556	1763	2903
CFDX-C.60-B-M6	837	3540	1112	2072	1824	2158
CFDX-C.60-p-M6x14	856	3396	896	1997	1933	2436
CFDX-C.60-SH.6	928	3218	1163	3411	1502	4773

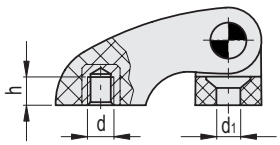
CFDX-C-B

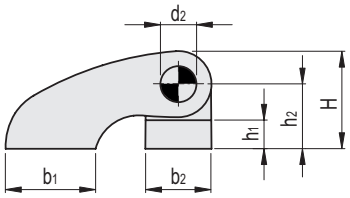


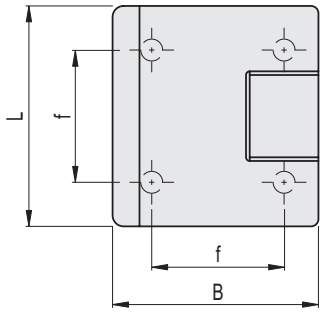
CFDX-C-p



CFDX-C-SH







CFDX-C-B

INOX STAINLESS STEEL

Code	Description	L	B	f	d	d_2	b_1	b_2	H	h	h_1	h_2	C# [Nm]	C## [Nm]	⚖
422621	CFDX-C.40-B-M5	40	43	25	M5	4	23	14	21	7	6.5	14	5	3	38
422626	CFDX-C.50-B-M6	50	50	30	M6	6	24	16	23.5	8.5	7	15.5	6	5	59
422631	CFDX-C.60-B-M6	60	56	36	M6	8	24.5	18	26.5	8.5	7.5	17.5	6	5	78

CFDX-C-p

INOX STAINLESS STEEL

Code	Description	L	B	f	d	d_2	l	b_1	b_2	H	h	h_1	h_2	C# [Nm]	C## [Nm]	⚖
422622	CFDX-C.40-p-M5x14	40	43	25	M5	4	14	23	14	21	7	6.5	14	5	6	42
422627	CFDX-C.50-p-M6x14	50	50	30	M6	6	14	24	16	23.5	8.5	7	15.5	6	8	66
422632	CFDX-C.60-p-M6X14	60	56	36	M6	8	14	24.5	18	26.5	8.5	7.5	17.5	6	8	85

CFDX-C-SH

INOX STAINLESS STEEL

Code	Description	L	B	f	d	d_1	d_2	b_1	b_2	H	h	h_1	h_2	C# [Nm]	C## [Nm]	⚖
422623	CFDX-C.40-SH-5	40	43	25	M5	5.5	4	23	14	21	7	6.5	14	5	3	36
422628	CFDX-C.50-SH-6	50	50	30	M6	6.5	6	24	16	23.5	8.5	7	15.5	6	5	55
422633	CFDX-C.60-SH-6	60	56	36	M6	6.5	8	24.5	18	26.5	8.5	7.5	17.5	6	5	74

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

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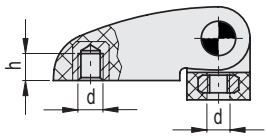
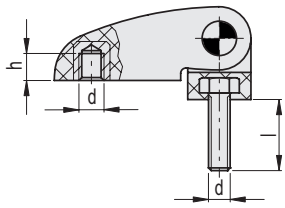
Test for resistance	Axial Stress		Radial Stress		90° Angled Stress	
Description	Maximum working load Ea [N]	Breaking load Ra [N]	Maximum working load Er [N]	Breaking load Rr [N]	Maximum working load E90 [N]	Breaking load R90 [N]
CFDX-R.40-B-M5	571	2592	495	1480	555	1380
CFDX-R.40-p-M5x14.5	427	2562	455	1698	520	1413
CFDX-R.40-SH.5	408	2861	497	1541	525	1443
CFDX-R.50-B-M6	1150	3008	1263	1782	1767	2422
CFDX-R.50-p-M6x14.5	956	3265	1321	2682	1762	2640
CFDX-R.50-SH.6	1137	3069	1056	3240	1670	2682
CFDX-R.60-B-M6	947	3148	1210	2323	1551	2286
CFDX-R.60-p-M6x14.5	649	3077	1123	2039	1908	2492
CFDX-R.60-SH.6	556	3741	1196	3584	1831	4855

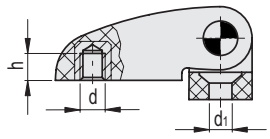
CFDX-R-B

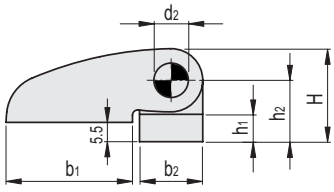


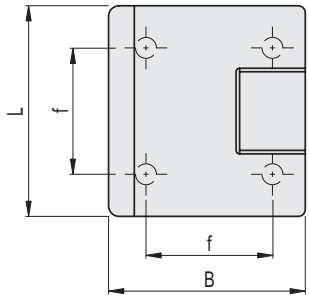
CFDX-R-p



CFDX-R-SH







CFDX-R-B

INOX STAINLESS STEEL

Code	Description	L	B	f	d	d_2	b_1	b_2	H	h	h_1	h_2	C# [Nm]	C## [Nm]	⚖
422651	CFDX-R.40-B-M5	40	43	25	M5	4	27	14	21	6	6.5	14	5	3	34
422656	CFDX-R.50-B-M6	50	50	30	M6	6	32	16	23.5	6	7	15.5	6	5	58
422661	CFDX-R.60-B-M6	60	56	36	M6	8	36	18	26.5	6	7.5	17.5	6	5	77

CFDX-R-p

INOX STAINLESS STEEL

Code	Description	L	B	f	d	d_2	l	b_1	b_2	H	h	h_1	h_2	C# [Nm]	C## [Nm]	⚖
422652	CFDX-R.40-p-M5x14	40	43	25	M5	4	14	27	14	21	6	6.5	14	5	6	39
422657	CFDX-R.50-p-M6x14	50	50	30	M6	6	14	32	16	23.5	6	7	15.5	6	8	65
422662	CFDX-R.60-p-M6X14	60	56	36	M6	8	14	36	18	26.5	6	7.5	17.5	6	8	84

CFDX-R-SH

INOX STAINLESS STEEL

Code	Description	L	B	f	d	d_1	d_2	b_1	b_2	H	h	h_1	h_2	C# [Nm]	C## [Nm]	⚖
422653	CFDX-R.40-SH-5	40	43	25	M5	5.5	4	27	14	21	6	6.5	14	5	3	32
422658	CFDX-R.50-SH-6	50	50	30	M6	6.5	6	32	16	23.5	6	7	15.5	6	5	54
422663	CFDX-R.60-SH-6	60	56	36	M6	6.5	8	36	18	26.5	6	7.5	17.5	6	5	73

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

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