Hinges for narrow jambs and doors

Technopolymer

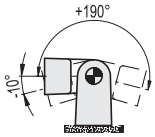
RoHS PA +80° -20°

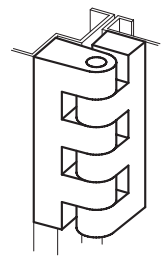
MATERIAL
High-resilience polyamide based (PA) technopolymer, black colour, matte finish.

ROTATING PIN
AISI 303 stainless steel.

STANDARD EXECUTIONS
- **CFF-B**: nickel-plated brass bosses with threaded hole.
- **CFF-p**: nickel-plated steel threaded studs.
- **CFF-B-p**: nickel-plated brass bosses with threaded hole and nickel-plated steel threaded studs.

ROTATION ANGLE *(APPROXIMATE VALUE)*
Max 200° (-10° 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.
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 952).





FM 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]
CFF.30 B-M3	100	1030	150	1190	90	600
CFF.30 p-M3x13	120	900	160	1020	80	560
CFF.30 B-M3-p-M3x13	100	900	150	1020	80	560
CFF.40 B-M4	180	1780	290	1950	150	1160
CFF.40 p-M4x18	170	1490	140	1220	120	710
CFF.40 B-M4-p-M4x18	170	1490	140	1220	120	710
CFF.48 B-M5	370	3250	480	2890	150	1870
CFF.48 p-M5x17	220	2200	370	2480	140	1200
CFF.48 B-M5-p-M5x17	220	2200	370	2480	140	1200
CFF.66 B-M6	310	4660	860	4880	340	2770
CFF.66 p-M6x16	310	2410	590	3520	220	1420
CFF.66 B-M6-p-M6x16	310	2410	590	3520	220	1420

7/2024

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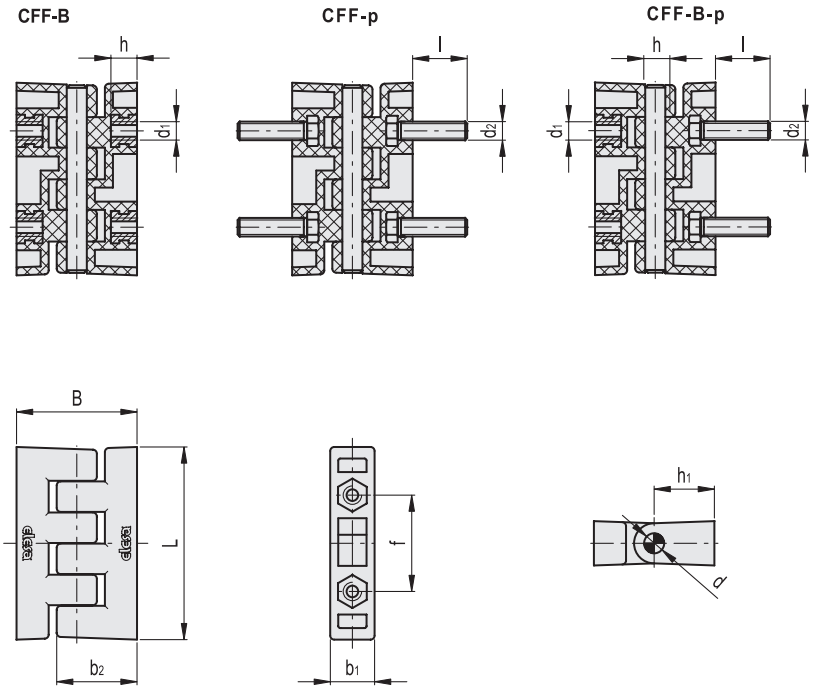

CFF-B

Code	Description	L	B	d1	h	f±0.25	h1	b1	b2	d	C [Nm] B#	⚖
423511	CFF.30 B-M3	30.5	19	M3	4	15	9	7	12.5	2.5	1	6
423611	CFF.40 B-M4	40.5	24	M4	5.5	20	12	9.5	16.5	4	4	15
423711	CFF.48 B-M5	48.5	30	M5	6.5	24	15	11.5	20	5	5	25
423811	CFF.66 B-M6	66	42	M6	9	33	21	15	27.5	6	5	57

CFF-p

Code	Description	L	B	d2	l	f±0.25	h1	b1	b2	d	C [Nm] p#	⚖
423521	CFF.30 p-M3x13	30.5	19	M3	13	15	9	7	12.5	2.5	0.5	8
423621	CFF.40 p-M4x18	40.5	24	M4	18	20	12	9.5	16.5	4	1.5	20
423721	CFF.48 p-M5x17	48.5	30	M5	17	24	15	11.5	20	5	4	33
423821	CFF.66 p-M6x16	66	42	M6	16	33	21	15	27.5	6	4	67

CFF-B-p

Code	Description	L	B	d1	h	d2	l	f±0.25	h1	b1	b2	d	C [Nm] B#	C [Nm] p#	⚖
423531	CFF.30 B-M3-p-M3x13	30.5	19	M3	4	M3	13	15	9	7	12.5	2.5	1	0.5	7
423631	CFF.40 B-M4-p-M4x18	40.5	24	M4	5.5	M4	18	20	12	9.5	16.5	4	4	1.5	17
423731	CFF.48 B-M5-p-M5x17	48.5	30	M5	6.5	M5	17	24	15	11.5	20	5	5	4	28
423831	CFF.66 B-M6-p-M6x16	66	42	M6	9	M6	18	33	21	15	27.5	6	5	4	59

Suggested tightening torque for assembly screws.

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