METRIC

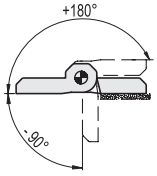
SUPER TECHNO POLYMER · RoHS · PA · +140° -30°

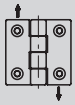
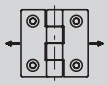
MATERIAL
Glass-fibre reinforced polyamide based (PA) SUPER-technopolymer, black colour, matte finish.

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

STANDARD EXECUTIONS
- **CFMX-SH**: pass-through holes for countersunk head screws.
- **CFMX-CH**: pass-through holes for cylindrical head screws with washer type UNI 6592 / ISO 7089.

ROTATION ANGLE *(APPROXIMATE VALUE)*
Max 270° (-90° 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.
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 952).



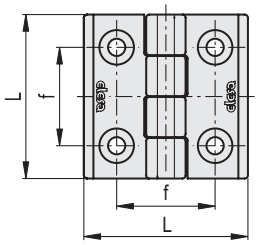
Resistance tests	Axial Stress	Radial Stress	90° Angled Stress
			

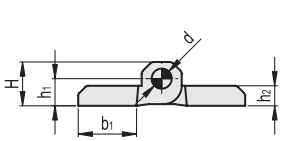
Description	Max limit static load Sa [N]	Max limit static load Sr [N]	Max limit static load S90 [N]
CFMX.30 SH-4	1050	1275	750
CFMX.30 CH-4	975	1275	650
CFMX.40 SH-5	1425	1425	960
CFMX.40 CH-5	1425	1200	750
CFMX.50 SH-6	2360	2160	1550
CFMX.50 CH-6	2580	2170	1220
CFMX.60 SH-6	3000	2660	2700
CFMX.60 SH-8	3000	2660	2700
CFMX.60 CH-8	3100	2530	1950

The max static load is the value beyond which the material may break thus prejudicing the hinge performance. Obviuosly, a suitable coefficient must be applied to this value, according to the importance and the safety level of the specific application.

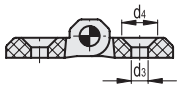
Conversion Table
1 mm = 0.039 inch

L mm	L inch
30	1.18
40	1.57
50	1.97
60	2.36

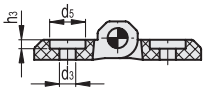




CFMX-SH



CFMX-CH



CFMX-SH

METRIC

Code	Description	L	f±0.25	H	h1	h2	b1	d	d3	d4	C# [Nm]	⚖
425882	CFMX.30 SH-4	30	18	7	4	3.5	10.5	2.5	4.5	8.5	2	5
425892	CFMX.40 SH-5	40	25	9	5.5	5	14	4	5.5	10.5	3	13
425902	CFMX.50 SH-6	50	30	11.5	6.5	6	18	6	6.5	12.5	5	23
425912	CFMX.60 SH-6	60	36	15	8.5	8	21	6	6.5	12.5	5	44
425916	CFMX.60 SH-8	60	36	15	8.5	8	21	8	8.5	16.5	5	44

CFMX-CH

METRIC

Code	Description	L	f±0.25	H	h1	h2	h3	b1	d	d3	d5	C# [Nm]	⚖
425881	CFMX.30 CH-4	30	18	7	4	3.5	1.3	10.5	2.5	4.5	7.5	2	5
425891	CFMX.40 CH-5	40	25	9	5.5	5	1.7	14	4	5.5	10.5	3	13
425901	CFMX.50 CH-6	50	30	11.5	6.5	6	3	18	6	6.5	12.5	5	23
425915	CFMX.60 CH-8	60	36	15	8.5	8	4	21	8	8.5	16.5	5	44

elesa 10/2020