

Hinges

SUPER-technopolymer

MATERIAL

Glass-fibre reinforced polyamide based (PA) SUPER-technopolymer, white colour similar to RAL 9002, matte finish.

ROTATING PIN

AISI 303 stainless steel.

STANDARD EXECUTION

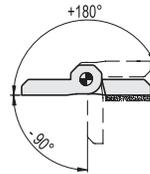
Pass-through holes for countersunk head screws.

ROTATION ANGLE (APPROXIMATE VALUE)

Max 270° (-90° and +180° being 0° the condition where the two interconnected surfaces are on the same plane).

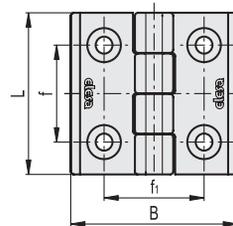
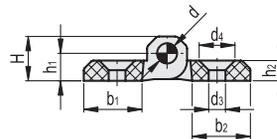
Do not exceed the rotation angle limit so as not to prejudice the hinge mechanical performance.

To choose the convenient type and the right number of hinges for your application, see the Guidelines (on page).



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]
CFM.30-SH-4-CLEAN	1400	1700	1000
CFM.40-SH-5-CLEAN	1900	1900	1280
CFM.50-SH-6-CLEAN	2630	2400	1720
CFM.60-SH-8-CLEAN	3320	2960	3070

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



Code	Description	L	B	f±0.25	f1±0.25	H	h1	h2	b1	b2	d	d3	d4	C# [Nm]	
425441	CFM.30-SH-4-CLEAN	30	30	18	18	7	4	3.5	10.5	10.5	2.5	4.5	8.5	3	11
425541	CFM.40-SH-5-CLEAN	40	40	25	25	9	5.5	5	14	14	4	5.5	10.5	3	14
425641	CFM.50-SH-6-CLEAN	50	50	30	30	11.5	6.5	6	18	18	6	6.5	12.5	5	30
425741	CFM.60-SH-8-CLEAN	60	60	36	36	15	8.5	8	21	21	8	8.5	16.5	5	57

Suggested tightening torque for assembly screws.