

Hinges

Technopolymer certified self-extinguish

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, certified self-extinguishing UL-94 V0, black colour, matte finish.

ROTATING PIN

AISI 303 stainless steel.

STANDARD EXECUTION

Pass-through holes for countersunk head screws.

FEATURES AND APPLICATIONS

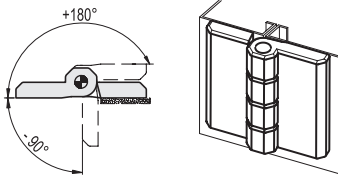
The CFM-AE-V0 hinge can be used in all areas for which specific regulations require the use of materials capable of preventing the risk of fire.


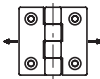

ROTATION ANGLE (APPROXIMATE VALUE)

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

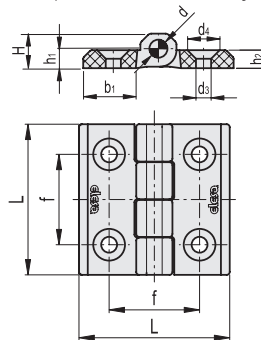
Do not exceed the rotation angle limit so as not to prejudice the hinge mechanical performance.

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



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]
CFM.30 AE-V0 SH-4	300	1200	700	1700	500	800
CFM.40 AE-V0 SH-5	600	1200	900	1700	550	900
CFM.50 AE-V0 SH-6	800	2200	1900	3500	1000	1400
CFM.60 AE-V0 SH-6	1100	2000	1800	3500	1200	1600
CFM.60 AE-V0 SH-8	1100	2000	1800	3500	1200	1700

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	f±0.25	H	h1	h2	b1	d	d3	d4	C# [Nm]	Δ
149001	CFM.30-AE-V0-SH-4	30	18	7	4	3.5	10.5	2.5	4.5	8.5	3	11
149005	CFM.40-AE-V0-SH-5	40	25	9	5.5	5	14	4	5.5	10.5	3	14
149011	CFM.50-AE-V0-SH-6	50	30	11.5	6.5	6	18	6	6.5	12.5	5	30
149021	CFM.60-AE-V0-SH-6	60	36	15	8.5	8	21	6	6.5	12.5	5	58
149022	CFM.60-AE-V0-SH-8	60	36	15	8.5	8	21	8	8.5	16.5	5	57

Suggested tightening torque for assembly screws.