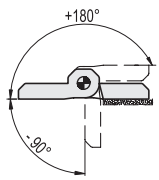
MATERIAL
Glass-fibre reinforced SUPER-polyamide based (PA) technopolymer.

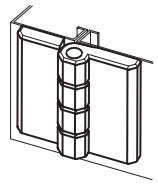
COLOUR
- CFM.: black, matte finish.
- CFM-CLEAN: white similar to RAL 9002, matte finish.

ROTATING PIN
AISI 303 stainless steel.

STANDARD EXECUTIONS
- **CFM-p**: nickel-plated steel threaded studs.
- **CFM-SH**: pass-through holes for countersunk head screws.
- **CFM-CH**: pass-through holes for cylindrical head screws with washer type UNI 6592.
- **CFM-p-SH**: nickel-plated steel threaded studs and pass-through holes for countersunk head screws.
- **CFM-p-CH**: nickel-plated steel threaded studs and pass-through holes for cylindrical head screws with UNI 6592 washer.
- **CFM.60-SL-CH**: pass-through slotted hole for shortened cylindrical head screws UNI 9327 which allow adjustment during clamping.

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]
CFM.30 SH-4	1400	1700	1000
CFM.30 CH-4	1300	1700	850
CFM.40 p-M5x12	2000	1900	1000
CFM.40 SH-5	1900	1900	1280
CFM.40 CH-5	1900	1600	1000
CFM.40 p-M5x12-SH-5	1900	1900	1000
CFM.40 p-M5x12-CH-5	1900	1600	1000
CFM.50 p-M6x12	2340	2560	2100
CFM.50 SH-6	2630	2400	1720
CFM.50-63 SH-6	800	1600	1000
CFM.50-76 SH-6	600	1500	1000
CFM.50 CH-6	2860	2410	1360
CFM.50 p-M6x12-SH-6	2340	2400	1720
CFM.50 p-M6x12-CH-6	2340	2410	1360
CFM.60 p-M8x14.5	3000	3940	2130
CFM.60 SH-8	3320	2960	3070
CFM.60 CH-8	3440	2810	2170
CFM.60 p-M8x14.5-SH-8	3000	2960	2130
CFM.60 p-M8x14.5-CH-8	3000	2810	2130
CFM.60-45-SH-6	2920	3010	1310
CFM.60-SL-CH-6	960	1200	1360

The max static load is the value above which the material may break thus prejudicing the hinge functionality. Obviously, a suitable factor, according to the importance and the safety level of the specific application must be applied to this value. Valid values also for CFM-CLEAN.