# Hinges for narrow jambs and doors

Technopolymer

METRIC

RoHS PA +80° -20°

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

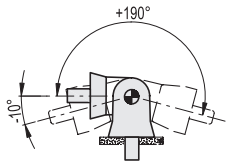
## ROTATING PIN
AISI 303 stainless steel.

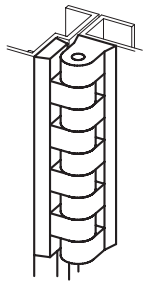
## STANDARD EXECUTION
Pass-through holes for M6 countersunk head screws and referring pins for an accurate positioning of the hinge body.

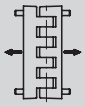
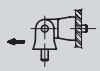
## ROTATION ANGLE *(APPROXIMATE VALUE)*
Max 200° (-10° and +190° being 0° the condition where the two interconnected surfaces are on the same plane).
Do not exceed the rotation angle limit so as not to prejudice the hinge mechanical performance.
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 952).

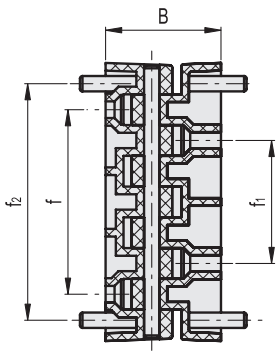
## ASSEMBLY INSTRUCTIONS
1. Remove the rotation pin and fit the two separated bodies of the hinge on the door and on the frame.
2. Assembly the two elements together matching the right alignment of the hinge and insert the rotation pin.

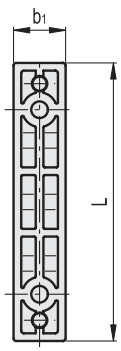


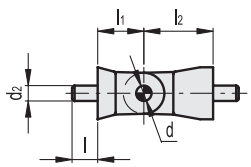


| Resistance tests | | | | | |
|---|---|---|---|---|---|
| Axial Stress | | Radial Stress | | 90° Angled Stress | |
|  | |  | |  | |
| Maximum working load Ea [N] | Load at breakage Ra [N] | Maximum working load Er [N] | Load at breakage Rr [N] | Maximum working load E90 [N] | Load at breakage R90 [N] |
| 610 | 6020 | 640 | 5020 | 520 | 2200 |




**Conversion Table**
*1 mm = 0.039 inch*

| mm | inch |
|---|---|
| 109 | 4.25 |

METRIC

| Code | Description | L | B | d2 | l | l1 | f±0.25 | f1 ±0.25 | f2 ±0.25 | l2 | b1 | d | Pass-through holes | C# [Nm] | ⚖ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 422511 | CFB.108 SH-6 | 109 | 45 | 6 | 10 | 18 | 72.5 | 48.2 | 92.7 | 27 | 20.5 | 6 | 6.5 | 3 | 92 |

# Suggested tightening torque for assembly screws.



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