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MATERIAL

High-resilience polyamide based (PA) technopolymer, black colour, matte finish.

ROTATING PIN

AISI 303 stainless steel.

STANDARD EXECUTION

Pass-through holes for cylindrical head screws.

ROTATION ANGLE (APPROXIMATE VALUE)

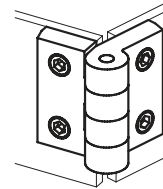
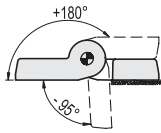
Max 275° (-95° and +180° being 0° the condition where the two interconnected surfaces are on the same plane).

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

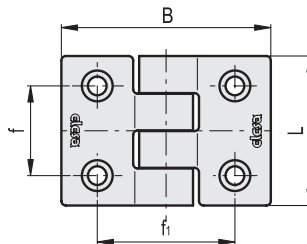
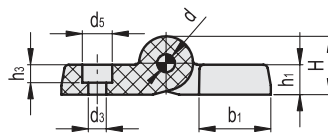
To choose the convenient type and the right number of hinges for your application, see the Guidelines (see page 1448).



FM design



| Resistance tests | | | | | |
|-----------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|
| AXIAL STRESS | | RADIAL STRESS | | 90° ANGLED STRESS | |
| Maximum working load Ea [N] | Load at breakage Ra [N] | Maximum working load Ea [N] | Load at breakage Ra [N] | Maximum working load Ea [N] | Load at breakage Ra [N] |
| 200 | 2440 | 380 | 3830 | 190 | 1950 |



| Conversion Table 1 mm = 0.039 inch | | | |
|---------------------------------------|------|----|------|
| L | | d5 | |
| mm | inch | mm | inch |
| 50 | 1.97 | 10 | 0.39 |
| | | 13 | 0.51 |

METRIC

| Code | Description | L | B | f ₂ ±0.25 | f ₁ ±0.25 | H | h ₁ | h ₃ | b ₁ | d | d ₃ | d ₅ | C# [Nm] | ⚖ |
|--------|-------------|----|------|----------------------|----------------------|------|----------------|----------------|----------------|---|----------------|----------------|---------|----|
| 424021 | CFH.50 CH-6 | 50 | 69.5 | 30 | 45.5 | 19.5 | 10 | 6.5 | 24 | 6 | 6.5 | 10 | 3 | 46 |
| 424031 | CFH.50 CH-8 | 50 | 69.5 | 30 | 45.5 | 19.5 | 10 | 4.5 | 24 | 6 | 8.5 | 13 | 3 | 42 |