

## ציר דומינה "HP"

**Functions**

Surface mounting hinge, 2 or 3 wing version (Giesse patent) for heavy doors made of aluminium. Adjustable in three directions.

For combination with counterplate kit, with expansion dowels for single sealed unit profiles and with M12 direct fixing screw for thermal break profiles.

**Technical Features**

Hinge suitable for doors subject to intensive use (use category 4\* - heavy duty use) with high resistance to fatigue and wear (durability grade 7\* - 200,000 test cycles). Ideal for the assembly of doors characterized by large dimensions, heavy weight and intensive use.

Adjustable in 3 directions with or without door installed:

- micrometric side adjustment ( $\pm 2.5$  mm) with door installed, obtainable by turning the side adjustment screw located in the sash hinge cartridge. The locking grub screw on the sash hinge locks the side adjustment cartridge in the chosen position.
- compression micrometric adjustment ( $\pm 0.5$  mm) obtainable by turning the bushing of the frame hinge (adjuster key art.05053). The locking grub screw, located on the frame hinge, locks the compression adjustment leaving access to the height adjustment.
- micrometric vertical adjustment (0/+4 mm), obtainable by turning the grub screw located at the bottom of the hinge. Insertion of the lower plug guarantees that the height adjustment is maintained.

The internal parts of the hinge are completely preassembled in two groups:

- pin cartridge for side adjustment
- cartridge with thrust bush for height and compression adjustments

Screw-cover plates fixed to hinge using pull screws driven from the inside, removable only with the sash open (tamper-proof).

For combination with counterplate kit, with expansion dowels for single sealed unit profiles and with M12 direct fixing screws for thermal break profiles.

Profile can be prepared with  $\varnothing 11$  mm holes (for all fixing systems) using drill templates item 03237, item 05052 and item 03286 (for c/c distance 55.5).

When applied to a non-flush profile, the hinge is fitted in combination with shim steps selected according to the type of fixing used for the profile:

- steps with centering bushes: for counterplate kit and expansion dowels for single sealed unit profile
- steps without centering bushes: for M12 direct fixing screws.

\* Complies with EN 1935

**Materials**

Extruded aluminium hinge bodies and screw-cover plates

Zamak pin cartridge and bush cartridge with GS Silver Plus finish (up to 500 h corrosion resistance)

$\varnothing 12$  pin, stainless steel

Side adjustment screw made of treated steel ensuring high resistance to corrosion

Thrust bush, acetal resin

Grub screws and vertical adjustment setscrew, stainless steel

Screw concealer plate fixing screws, zinc-coated steel

Polyamide concealer caps

**Capacities**

Up to 160 kg with two 2-wing hinges

Up to 180 kg with three 2-wing hinges

Up to 180 kg with two 3-wing hinges

Up to 200 kg with three 3-wing hinges

CE Mark in compliance EN1935