

## FLASH XXL DOOR HINGE

00598

## Functions

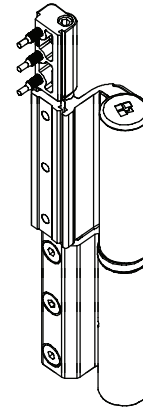
Hinge for heavy-duty doors made with a window profile. The profile is fastened by means of plates to be inserted as for conventional hinges for windows.

## Finish

Elettrogiesse 9

## Packaging

Box of 20 pieces



## Technical features

Clamp hinge designed for making large, heavy-duty doors with intensive use (special frames) that require high performance. Assembly to the profile is done by means of conventional plates to be inserted.

The hinge on the sash side is secured to the profile with 3 self-drilling screws M4.8x26 passing through the hinge body (fig 1).

The bearing between the hinge body on the wing side and the hinge body on the sash side ensures the door slides with the greatest ease even in particularly harsh working conditions due to heavy loads (fig 2).

The hinge pin, which can be entirely or partly extracted, provides three different methods of fitting the wing onto the sash:

1. without extracting the pin, by lifting the wing
2. partially extracting the wing as far as the reference mark (fig 3) when there is little room for manoeuvre
3. fully extracting the pin, making the wing slide on the floor and moving it next to the door panelling, in the case of particularly heavy wings.

Total or partial pin extraction is only possible after removing the grub screw (fig. 4) with the wing open (tamper-proof feature).

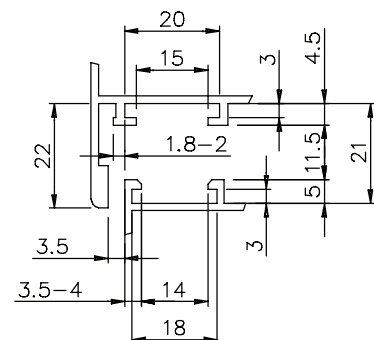
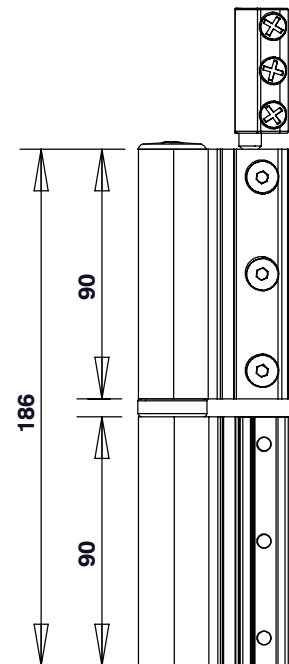
FLASH XXL is adjustable sideways and vertically with the door installed, which is an especially important feature for heavy doors.

The side adjustment (+/- 1 mm) is made by turning the eccentric bush in the hinge on the wing side with the special key 03259N.

The height adjustment (-2/+4 mm) is made by means of the plate secured to the wing by the hinge on the wing side with 3 self-drilling screws M4.8x26.

The wing is raised by adjusting the grub-screw using a 4 mm Allen key.

FLASH XXL has a special pre-loading plate that, set in the channel on the wing side by the lower hinge, forces the door to tilt sideways in the opposite direction to its natural fall and ensures alignment between the wing and sash even under conditions with a particularly high load.



Mainly used with the following series:

SEE THE INDEX OF ACCESSORIES AND THEIR USE ON THE VARIOUS PROFILE SECTIONS

**00598 (continued)**

The pre-loading plate has two different pre-loads, which are identifiable with the markings on the plate, of 1.4 mm (reference 1.4) for the lower hinge and 0.7 mm (reference 0.7) for a middle hinge (fig 5).

On completing side adjustment the plug is never eccentric to the hinge. The lower portion of the pin has an M6 threaded hole to accommodate a trade screw, when needed, to permit extracting the pin with the wing installed, with the aid of pliers.

The hinge is equipped with an aluminium cover for the hinge on the wing side and the hinge on the sash side (art. 00599).

**Parts**

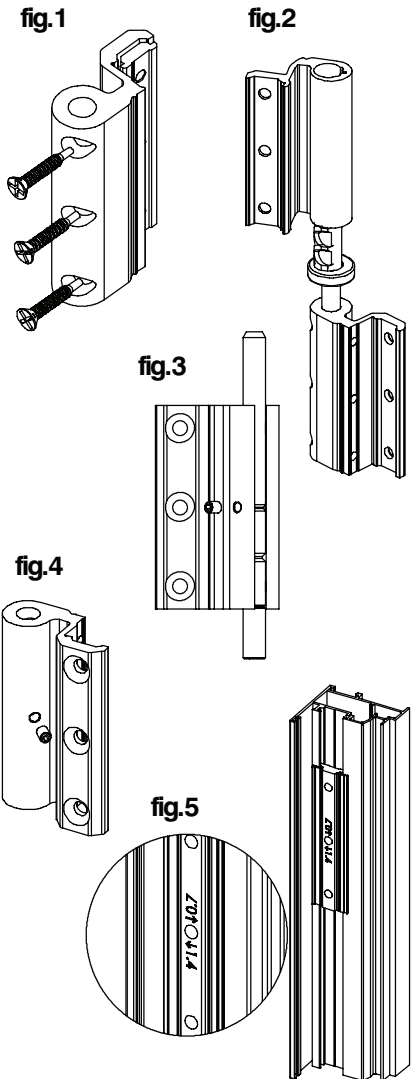
- 1 fixing plate for hinge on wing side
- 2 fixing plates for hinge on sash side
- 1 special pre-loading plate
- 1 height adjustment plate
- 12 hex screws M6x12 UNI 5933
- 9 special self-tapping screws M4.8x26

**Materials**

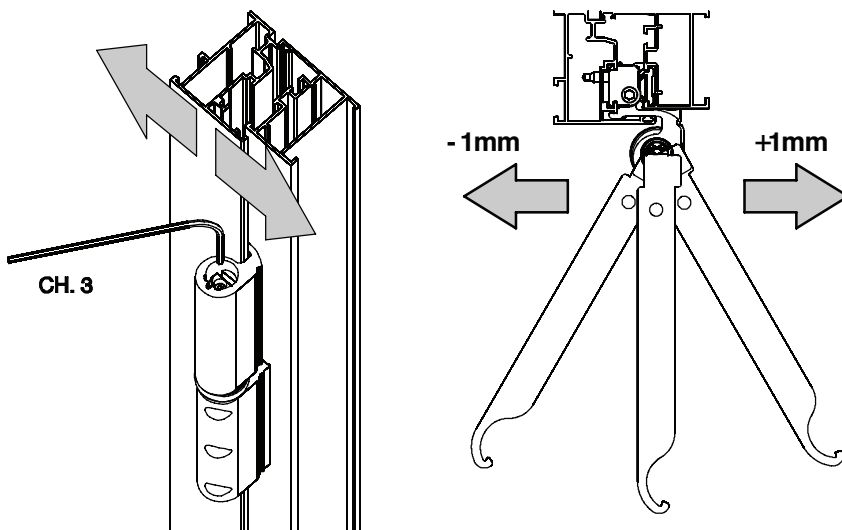
- Extruded aluminium hinge with elettrogiesse 9 finishing
- Fixing plates in extruded aluminium
- Height adjustment plate in die-cast zamak
- Steel bearing
- Stainless steel pin, screws and grub screw fastening pin
- Height adjustment plate grub screw in galvanized steel
- Acetylic resin bush
- Nylon plug

**Capacity**

Max load capacity of 160 kg tested in conformity with the EN1935:2002 standard.  
CE marking in class 14.



**SIDE ADJUSTMENT**



**HEIGHT ADJUSTMENT**

