37-223.2 (11-25)

Allegion NL B.V. - Energiestraat 2 - 3903 AV Veenendaal - Nederland - info.axa.home@allegion.com - axahomesecurity.com



AXA HOME/SECURITY
Titan hinges

EN

SKG®

POLITIE KEURMERK VEILIG WONEN

Information

You have just acquired a high quality AXA product. The instructions below must be followed closely in order to effectively install and operate this product.

Application
For doors and windows

The AXA Titan is a direct replacement for all 89x89x3 mm hinges.

Installation method

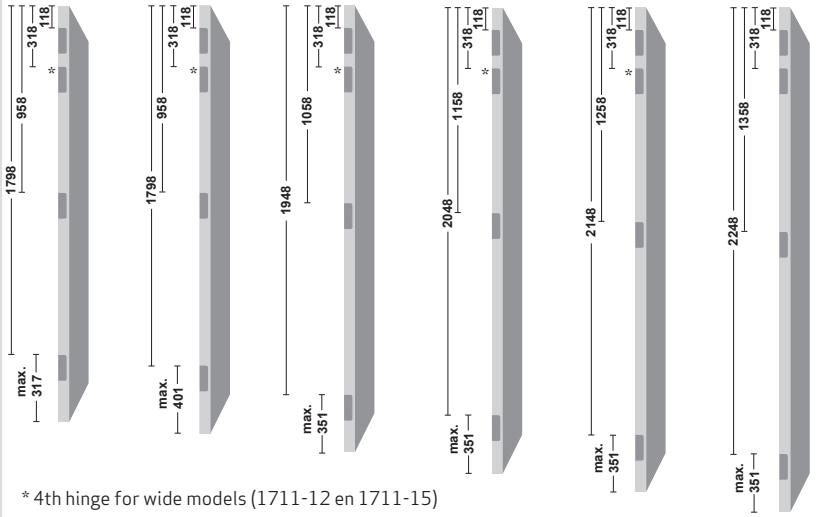
The AXA Titan is available in two technical versions:
1 The security version for: outward-opening external doors and windows.
2 The standard version for: inwards-opening external doors and internal doors.

Load bearing capacity

Type (h x b)	89 x 89 mm		89 x 125 mm		89 x 150 mm	
Number	2	3	3	4	3	4
Kg	120	180	120	140	100	120

Profile details, as well as hanging and closing seams, must be carried out in accordance with the KVT, published by the Dutch Trade Association for the Carpentry Industry (NBvT)

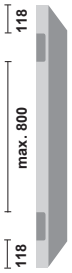
Door SKG2 + SKG3 resistance class 2/3



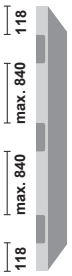
* 4th hinge for wide models (1711-12 en 1711-15)

Max. 2115 mm | Max. 2199 mm | Max. 2299 mm | Max. 2399 mm | Max. 2499 mm | Max. 2599 mm

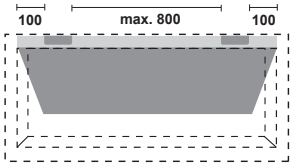
Window SKG2 + SKG3 resistance class 2/3



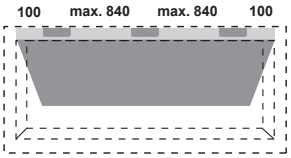
Window SKG2 + SKG3 resistance class 2/3



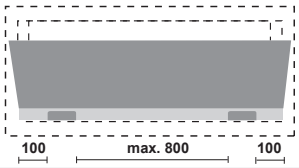
Top-hung window SKG2 + SKG3 resistance class 2/3



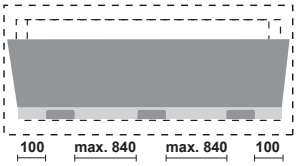
Top-hung window heavy SKG2 + SKG3 resistance class 2/3



Bottum-hung window SKG2 + SKG3 resistance class 2/3



Bottum-hung window heavy SKG2 + SKG3 resistance class 2/3



Recommendations

- All hinges must be fitted perfectly in line.
- The distance from the centre of the fasteners to the edge of the timber must be at least 8 mm.
- Both windows and doors: 2 mm hanging seam, 3 mm closing seam.
- When using a door closer, the rated door weight must be increased by 100%.
- If a door stop is used at a position less than 60 % of the door's width, measured from the hinge, the rated door weight must be increased by 100%.
- Where the door width exceeds 930 mm and the window width exceeds 800 mm, for every additional 10 mm of door/window width, the weight of the door/window must be increased by 1.5%.
- Before fitting the hinges, the paint in the cut-out must be dry.
- Don't paint over the hinges.
- Ensure that the hinges and screws are made of the same material and/or have the same finish (galvanised with galvanised, stainless steel with stainless steel).

Example:
Door width 1030 mm and weight 80 kg => 100 mm wider than 930 mm => 100 mm divided by 10 mm = 10 × 1.5% = 15%, 80 kg × 1.15 = 92 kg.

Maintenance
To ensure the hinges function optimally, the hinge pin and bearings should be lubricated once a year with WD-40 Multi-Use Product.

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Installation manual

Installation tools (recommended)
Tape measure, chisel or router bit, 3 mm drill bit, awl/pencil.

Screw thickness	Pre-drilling softwood	Pre-drilling hardwood
4,5 mm	Ø 3,0 mm	Ø 3,0 mm

Use SKH-certified screws, size: 4.5 x 45 mm (all types of wood) and, taking the load into account, ensure that the wooden frame and door/window are of a high standard.

If the hinge positions are not marked out, mark out the positions of the hinges as shown in the diagram (as shown).
Cut the hinge to 3 mm + the thickness of any shim plate you may use (item number 1143-01-95).

1. Place the 2-piece hinge plate into the recess in the window frame and mark out the screw holes (4) with an awl or mark them with a pencil. Repeat this for all the hinges.
2. Place the single-piece hinge plate in the recess of the door/window and mark out the screw holes (4) with an awl or mark them out with a pencil. Repeat this for all the hinges.
3. Pre-drill the holes.
4. Fasten the hinge plates with screws.

Tighten the screws securely so that the hinge parts fit together seamlessly (figure A) and the screw heads are flush with the surface.

5. Fit the door/window into the frame so that the single-plate and double-plate hinge plates are aligned.
6. Insert the hinge pin (figure B) into the hinge plates and ensure that the top of the pin is flush with the hinge plate (figure B), the pin will click into place automatically.

With both the security hinge and the standard hinge, the pin locks into place automatically; there is no need to test it.

7. Repeat step 6 for all the hinges.
8. After fitting, lubricate the hinges with WD-40 MUP.

Removing the hinge pin from the safety hinge

9. Open the door or the window.
10. At the safety hinge, use a flat-bladed screwdriver to open the latch fully (figures C and D).
11. Extend the pin at least 5 mm beyond the knot (figure E).

Only strike the pin when the lock is open!

12. Close the door or window and push the pin out further (figure F).

