



K15.12 ROLLENBAND

01.04.2015



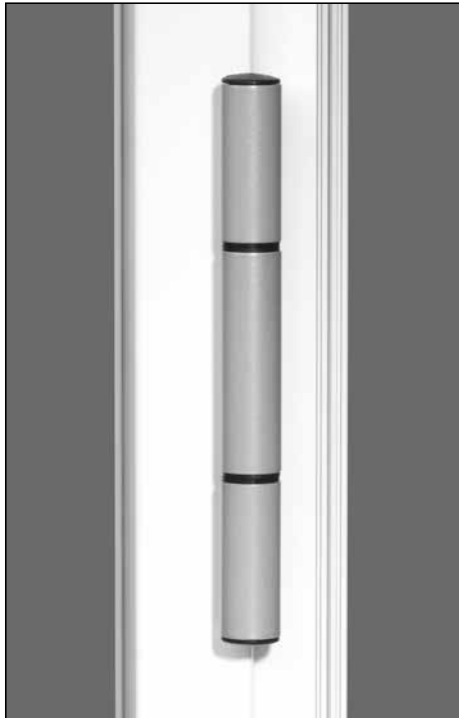
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1. General characteristics

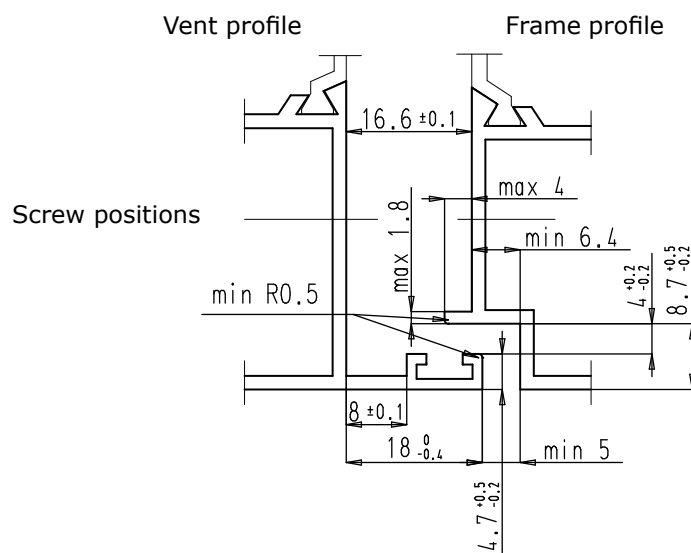


- Three-part screwable door hinge for open in doors with flush profiles. These hinges are profile dependent and will be developed on request.
- Vent weights up to 180 kg (with 4 hinges and profile dependent).
- Same hinge for left hand and right hand doors.
- Simple and efficient installation.
- Adjustable in two directions without disassembly of the vent but with unscrewing the fixing screws.
- The main advantage of this adjustment: there's no offset between the frame part and the vent part during adjustment. In other words, the cylindrical shape of the hinge is preserved.
- Material: entirely made of non-corroding materials.
- Maintenance-free with high quality synthetic bushes.
- Finish: available anodised, stainless steel look and polyester powder coated in more than 450 RAL colours.
- The hinges are profile-dependent and are fabricated on request.

2. Application range

Profiles

- The profiles must have the following dimensions to apply the hinge.

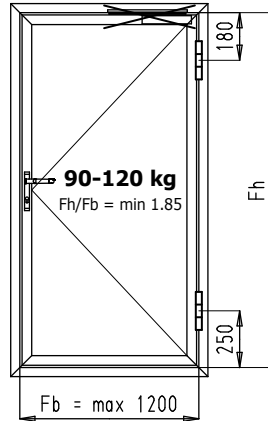
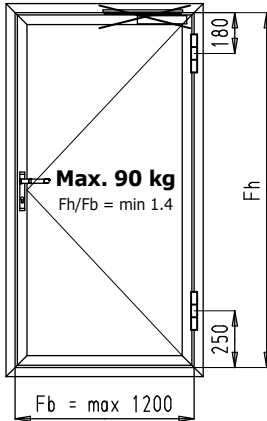




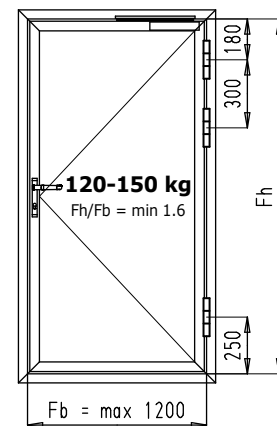
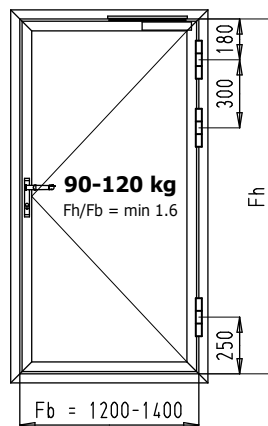
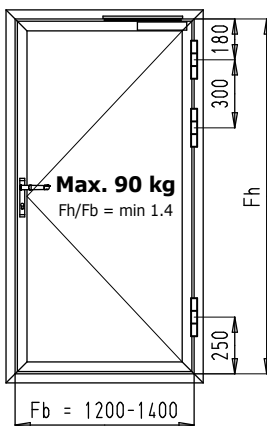
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Application range

- Normal use, without door closer

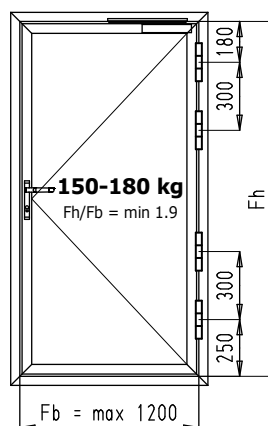
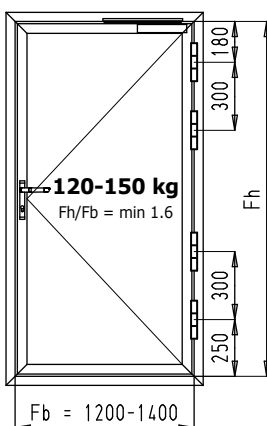


- Heavy use and/or with door closer



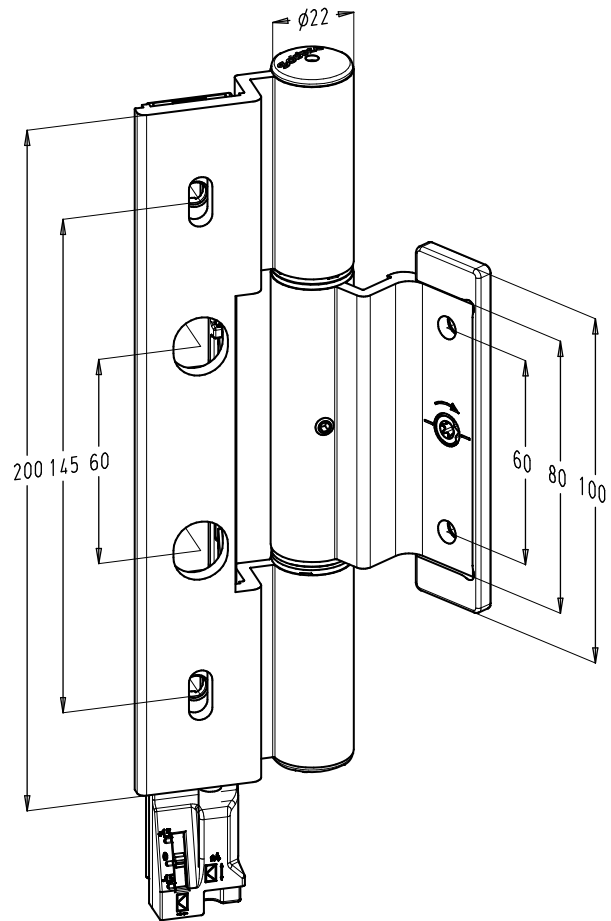
- Extreme applications and/or with door closer

- Only on request.
- Only after study of the profiles.



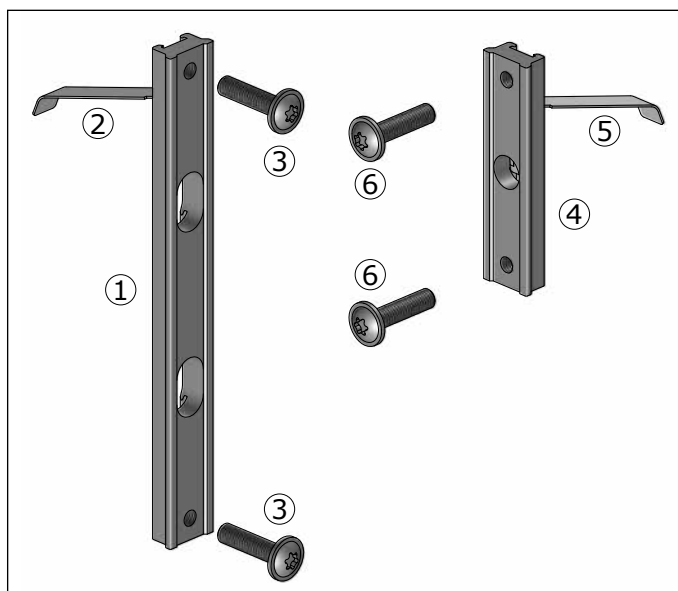


3. Dimensions



4. Fixing set

- The hinges are fixed by clamping plates in the frame profile as well as the vent profile.
- The fixing set contains the clamping plates, pre-mounted on leaf springs and the fixing screws.
- Clamping plates as well as fixing screws are profile dependent.
- Below you can see an example of a fixing set.

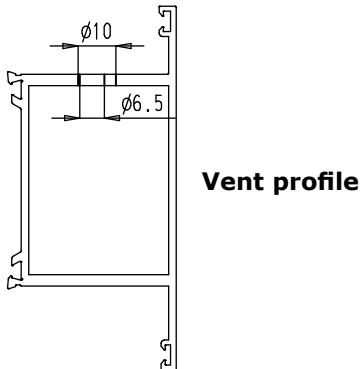


1. Clamping plate frame part
2. Leaf spring frame part
3. Screws frame part
4. Clamping plate vent part
5. Leaf spring vent part
6. Screws vent part

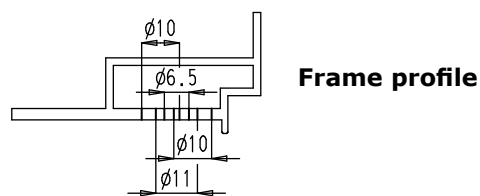
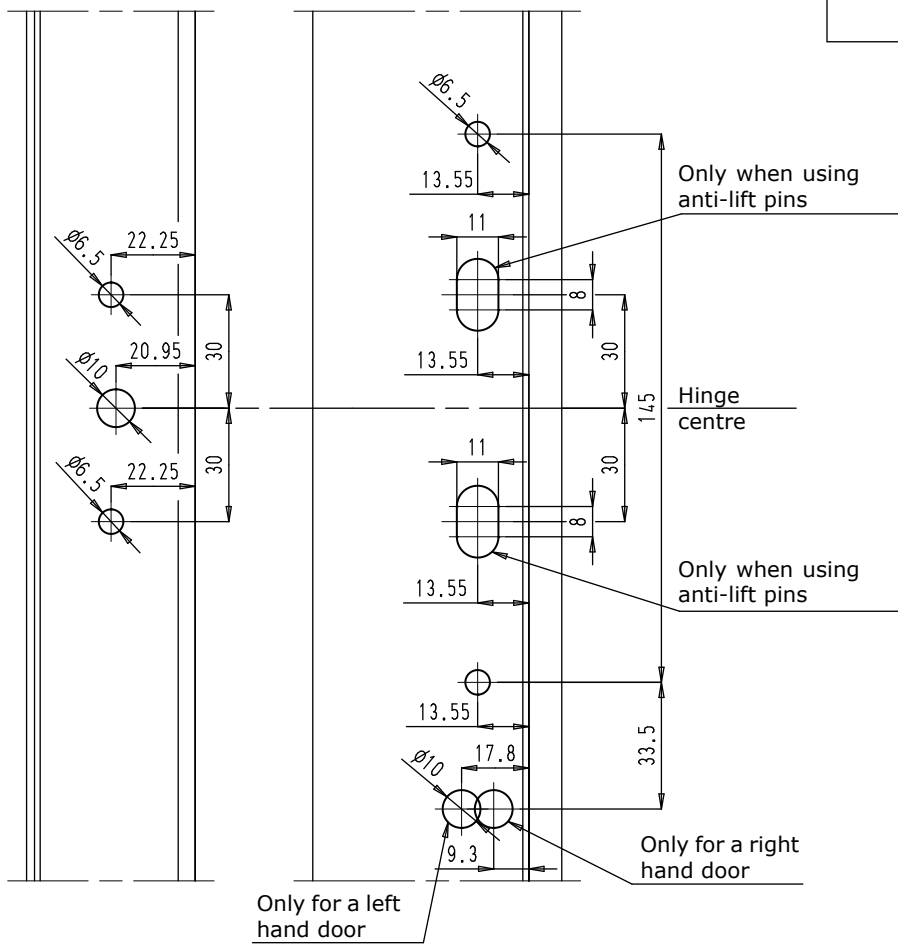
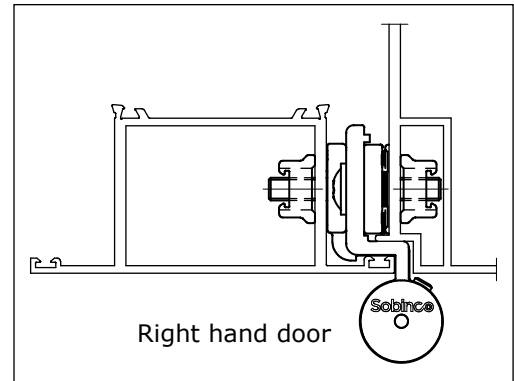


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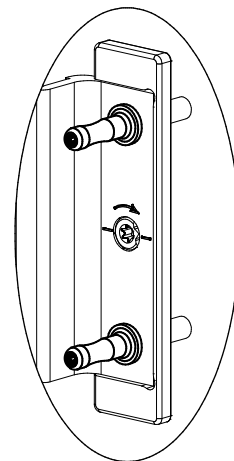
5. Preparations



Installation example



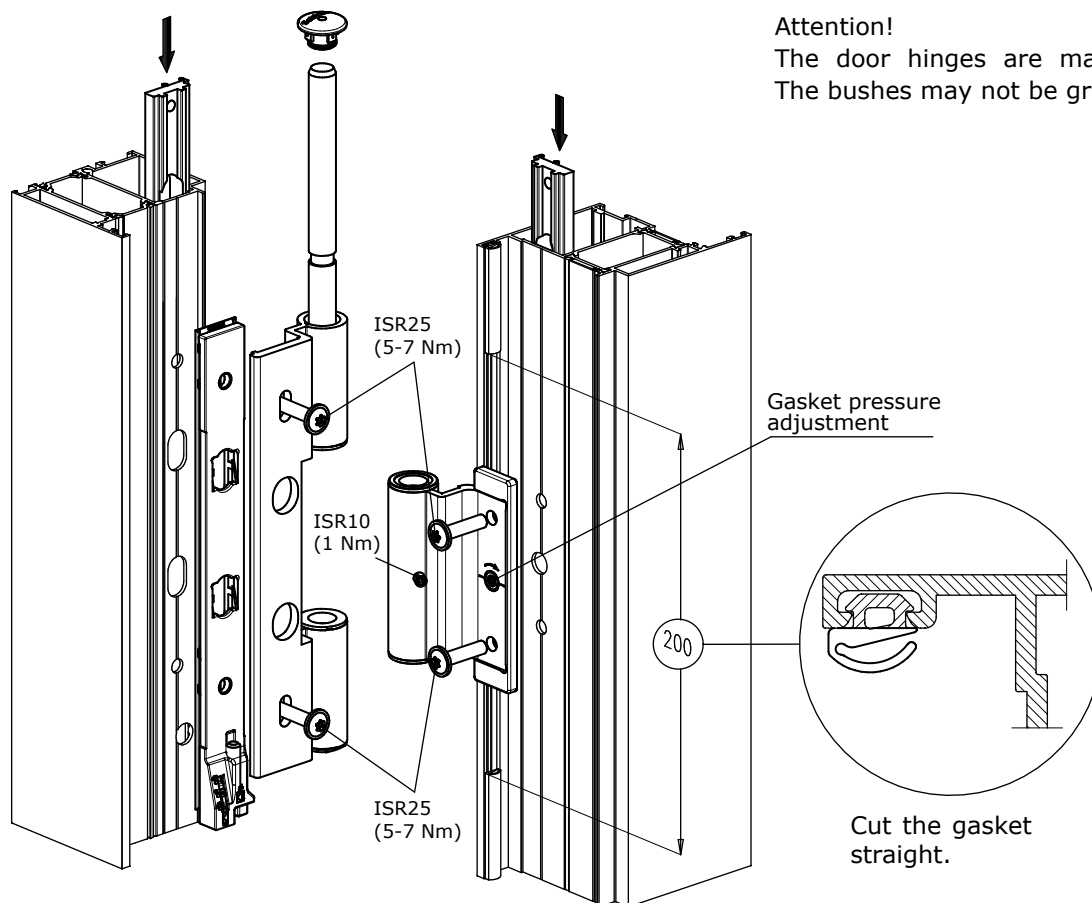
Anti-lift pins



- If required the hinges can be provided with 2 security pins which engage into the frame to provide additional security against forced entry.
- The security pins in stainless steel replace the fixing screws on the vent profile.



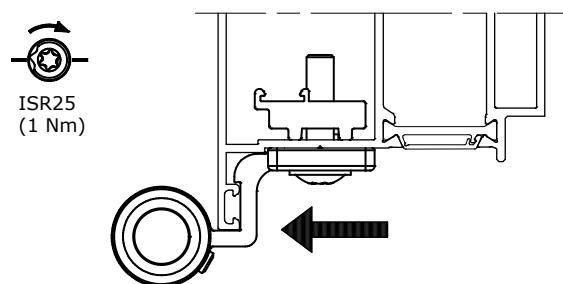
6. Assembly



Attention!
The door hinges are maintenance-free.
The bushes may not be greased!

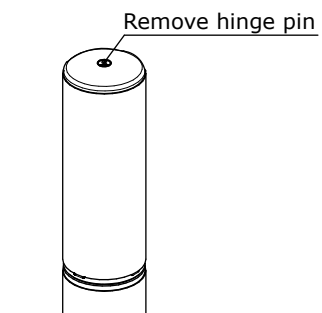
Gasket pressure adjustment

- Before fixing the hinge with the fixing screws, the eccentric bolt must be adjusted so that the vent part is pushed against the profile leg.



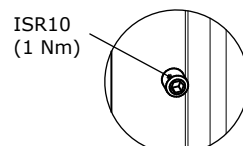
Disassembly

- Loosen the hexagon socket screw ISR10 (hinge pin security) and push the hinge pin through the end cap holes with a pin tool of $\varnothing 3$ mm.



Hinge pin security!

- After assembly of the hinge pin, this screw must be fitted to secure the hinge pin.

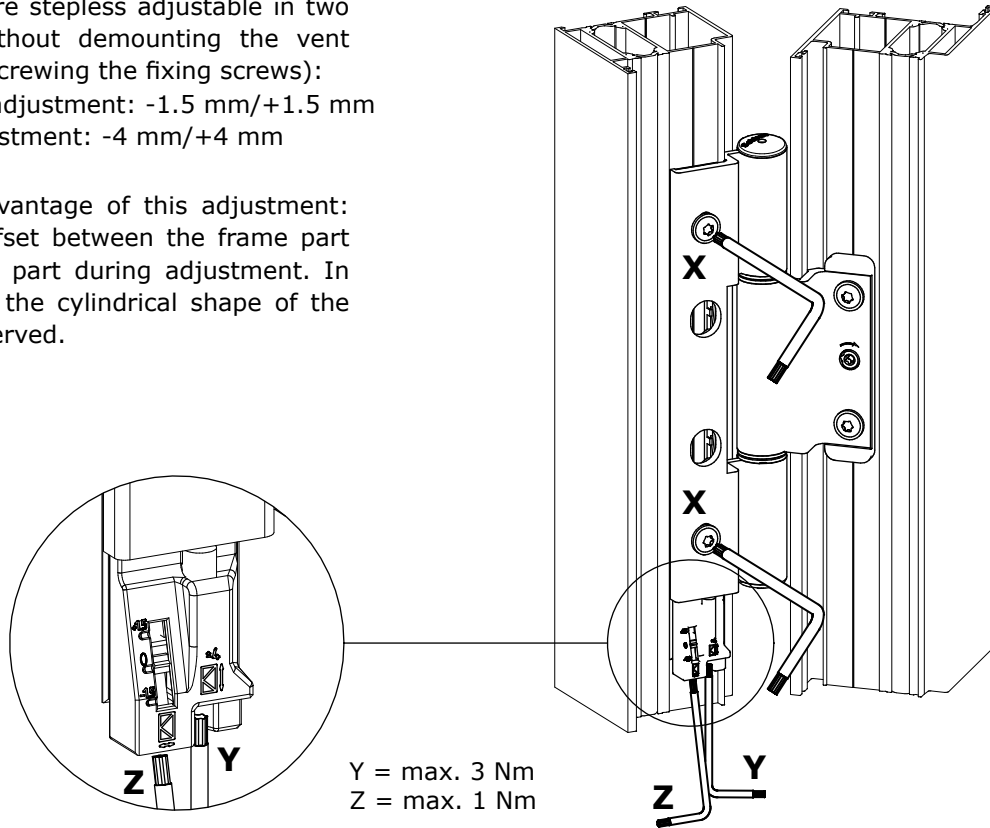




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7. Adjustments

- The hinges are stepless adjustable in two directions without demounting the vent (but with unscrewing the fixing screws):
 - Horizontal adjustment: -1.5 mm/+1.5 mm
 - Height adjustment: -4 mm/+4 mm
- The main advantage of this adjustment: there's no offset between the frame part and the vent part during adjustment. In other words, the cylindrical shape of the hinge is preserved.



Procedure:

- Support the door leaf by using a wedge to unload the hinges.
- Attention : first always loosen the fixing screws before adjustment!
- Vertical adjustment (± 4 mm):
 - loosen fixing screws 'X' (ISR25) a half turn
 - adjust screw 'Y' (ISR15)
- Horizontal adjustment (-1.5 mm):
 - loosen fixing screws 'X' (ISR25) one turn
 - adjust screw 'Z' (ISR15)
- Horizontal adjustment (+1.5 mm):
 - loosen fixing screws 'X' (ISR25) three turns
 - adjust screw 'Z' (ISR15)
- Fix the fixing screws 'X' (ISR25) (5-7 Nm).