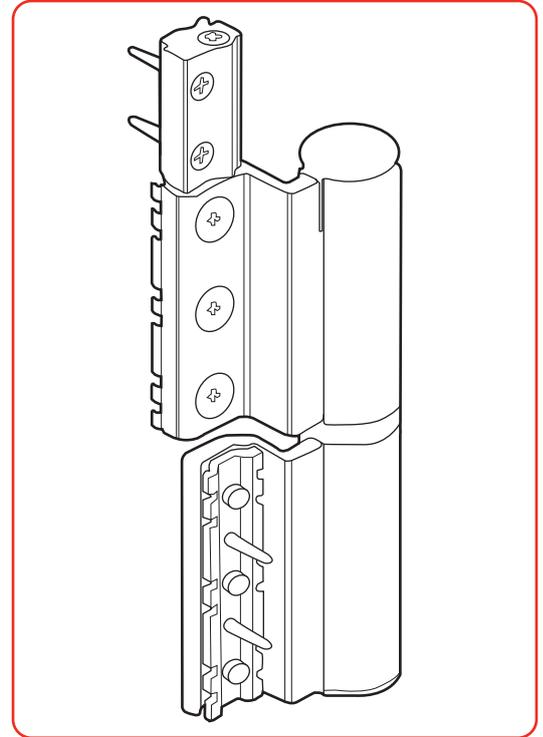


Linea 3D Hinge

Features

- Clamp door hinge for profiles with a channel/ eurogroove
- 3D adjustable (lateral, vertical and compression) once installed
- Lateral adjustment of $\pm 2\text{mm}$ using the grub screw adjuster which will then lock the hinges in its chosen position
- Compression adjustment of $\pm 0.5\text{mm}$ by turning the eccentric bush with the special adjuster key (additional part G03900000)
- Vertical adjustment of $-2\text{mm}/+4\text{mm}$ by mean of the sash lift support block (additional part G00576190) positioned against the top hinge sash leaf
- Adjustment cartridge (patent system) keeps the two halves of the hinge body aligned regardless of the side adjustment position avoiding strain on the hinge
- Trust bearing located between the two body halves increase the hinges resistance to wear and tear
- Suitable for heavy duty doors subject to intensive use (category 4*)
- Specially machined fixing plates guarantees a secure fix on both sides of the profile channel
- Additional reinforcement screws on the frame plate also increase the slip resistance
- Hinge and aluminium covers sold separately for greater stock efficiency. Covers are paintable for application of your required finish
- Covers can be installed after installation avoiding damage to the visible parts of the hinge during assembly, transport and installation



Ordering Details

Product

Linea 3D Hinge (suitable for 16mm Eurogroove)

Description

Part No.

Base Hinge	G00575190
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Please contact the sales office for part numbers suitable for other aluminium profiles

Linea 3D Hinge Covers

Description

Part No.

Painted Silver	G00589020
Metallic Silver	G00589376
Black (RAL 9005)	G00589500
White (RAL 9010)	G00589410

Accessories

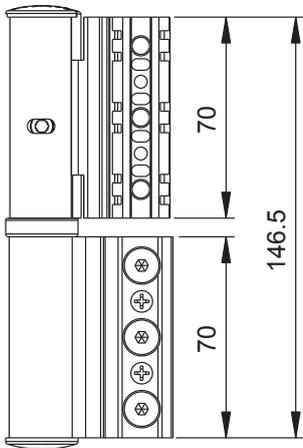
Description

Part No.

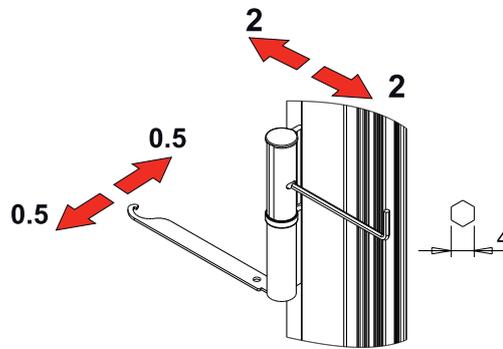
Lateral Adjustment Key	G03900000
Sash Lift Support Block	G00576190



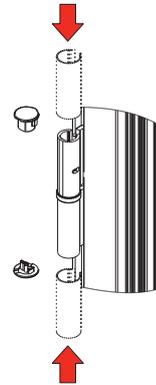
Linea 3D Hinge



Side and compression adjustment

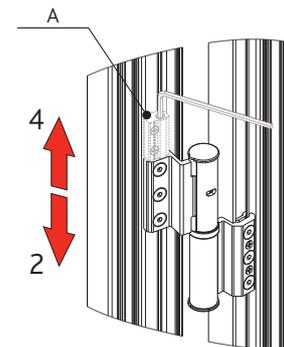
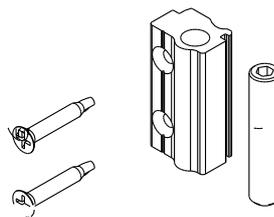


Application of covers



A = Lift support block for height adjustment

Lift support block for vertical adjustment



All dimensions are in mm and are nominal. Giesse reserves the right to change specification without notice. It is the responsibility of the manufacturer to ensure that the finished product meets any required safety and performance specification.

Technical Information

Operation

Durability test to 200,000 cycles, Grade 7 (complies with EN 1935).

Guaranteed to 1,000,000 cycles in compliance with EN1191. CE Mark in compliance with EN1935

Performance

Tested to comply with EN1935:2002 (three hinges)

Max Weight Per Door

2 Hinges - 110kg

3 Hinges - 130kg

Assuming fixtures of 2000mm height and 1000mm width

Adjustment

Lateral ± 2 mm

Vertical -2mm/+4mm

Compression ± 0.5 mm

Packaging

Hinges

20 per box

Covers

20 per box

Material Specification

Hinge Body	Extruded Aluminium, black anodised
Cover	Extruded Aluminium
Cover Coatings	Silver Oxidised Black Powder Coated (RAL 9005)
Adjustment Cartridge	Zamak with GS Silver Plus finish
Thrust Bearing and Fixing Plates	Stainless Steel
Lift Support Block	Extruded Aluminium, black anodised
Bushes	Acetal
Caps	Polyamide
Screws/ M8 Grub Screw	Stainless Steel
Grub Screws	Zinc Nickel plated Steel

Maintenance

All moving parts should be lightly lubricated using a light non-acidic mineral oil (e.g. "3 in 1") twice per year and the surface cleaned with a soft damp cloth. The product may need to be adjusted and fixings tightened to ensure a satisfactory operation.