

Hinges

Zinc Die Casting / Stainless Steel, with Adjustable Friction

SPECIFICATION

Type

- Type **A**: 2x2 bores for countersunk screws

Hinge leaves

- Zinc die casting **ZD**
 - Powder coated
 - Black, RAL 9005, textured finish **SW**
 - Silver, RAL 9006, textured finish **SR**
- Stainless Steel AISI 316 **A4**
 - Matte shot-blasted finish **GS**

Friction cone

- Plastic (Polyacetal POM)
- Operating temperature -20 °C to +80 °C
- Black, RAL 9005

Adjustment screw / Hex nut

- Steel, zinc plated, blue passivated for ZD
- Stainless steel for A4



INFORMATION

The adjustment screw in the hinges GN 437 allows the mobility of the hinge to be changed. This also generates a constant braking torque adjustable across the whole of the rotating range. The rotation of doors and flaps is so inhibited, also preventing the inadvertent movement. The friction torque is accomplished by interlocking two slim friction cones. The large friction surface and the hard-wearing plastic of the friction cones guarantee a long service life with only slight reduction in the friction torque over time. This can be re-adjusted, if necessary, with the adjustment screw.

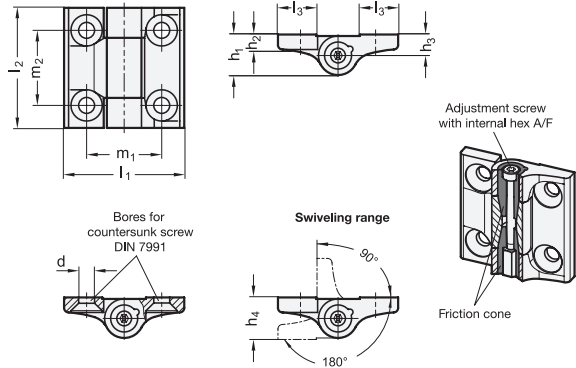
The stainless steel version is particularly suited for applications in highly aggressive conditions.

ACCESSORY

- GN 2372 Plates (with Tapped Holes) (see page 1393)
- GN 2370 Spacer Plates (see page 1392)
- GN 2376 Plates (with Threaded Studs) (see page)

TECHNICAL INFORMATION

- List of Hinge Types (see page 1362)
- Load Rating Information of Hinges (see page A40)
- Plastic Characteristics (see page A2)
- Stainless Steel Characteristics (see page A26)



* Complete with

SW RAL9005 **SR** RAL9006

GN 437-ZD

| Description | l ₁ | l ₂ | d | h ₁ | h ₂ | h ₃ | h ₄ | l ₃ | m ₁ | m ₂ | A/F | max. recommended tightening torque of the setting screw in Nm | Friction torque in Nm ≈ | ⚖ |
|---------------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|---------------------------------------------------------------|-------------------------|-----|
| GN 437-ZD-40-40-A-* | 40 | 40 | 5.3 | 13.5 | 5 | 7 | 14 | 13 | 25 | 25 | 2.5 | 0.5 | 2 | 54 |
| GN 437-ZD-50-50-A-* | 50 | 50 | 6.5 | 15.5 | 6 | 8 | 16 | 16.5 | 30 | 30 | 3 | 0.75 | 4 | 90 |
| GN 437-ZD-60-60-A-* | 60 | 60 | 8.3 | 18.5 | 7.5 | 9.5 | 19 | 20 | 36 | 36 | 4 | 1.5 | 6.5 | 158 |

Weight SW

GN 437-A4

STAINLESS STEEL

| Description | l ₁ | l ₂ | d | h ₁ | h ₂ | h ₃ | h ₄ | l ₃ | m ₁ | m ₂ | A/F | max. recommended tightening torque of the setting screw in Nm | Friction torque in Nm ≈ | ⚖ |
|----------------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|---------------------------------------------------------------|-------------------------|-----|
| GN 437-A4-40-40-A-GS | 40 | 40 | 5.3 | 13.5 | 5 | 7 | 14 | 13 | 25 | 25 | 2.5 | 0.5 | 3 | 60 |
| GN 437-A4-50-50-A-GS | 50 | 50 | 6.5 | 15.5 | 6 | 8 | 16 | 16.5 | 30 | 30 | 3 | 0.75 | 4 | 113 |
| GN 437-A4-60-60-A-GS | 60 | 60 | 8.3 | 18.5 | 7.5 | 9.5 | 19 | 20 | 36 | 36 | 4 | 1.5 | 6 | 188 |