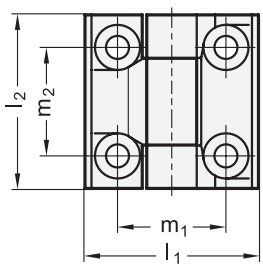
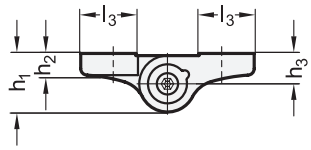
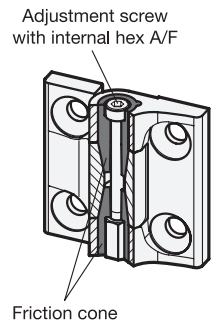
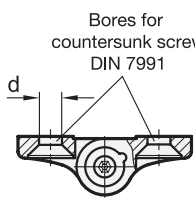
Hinges

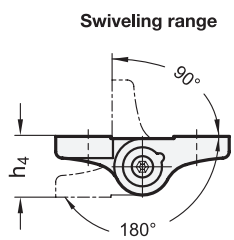
Zinc Die Casting / Stainless Steel, with Adjustable Friction











STAINLESS ★★★★

4 Type

A 2x2 bores
for countersunk screws

2 l_1	3 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 settting screw in Nm	Friction torque in Nm ≈ ZD	A4
40	40	5,3	13,5	5	7	14	13	25	25	2,5	0,5	2	3
50	50	6,5	15,5	6	8	16	16,5	30	30	3	0,75	4	4
60	60	8,3	18,5	7,5	9,5	19	20	36	36	4	1,5	6,5	6

Specification

Hinge leafs

- 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

RoHS

Accessory

GN 2372 Plates (with Tapped Holes)	QVX
GN 2370 Spacer Plates	ganternorm.com
GN 2376 Plates (with Threaded Studs)	ganternorm.com

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.

see also...	Page
GN 233 Hinges (with Adjustable Friction)	QVX
GN 437.1 Hinges	QVX
GN 437.2 Hinges (Lockable)	QVX

Technical Information

Overview of Hinge Types	QVX
Load Rating Information of Metal Hinges	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

How to order

1	**Material**	
2	l_1	
3	l_2	
4	**Type**	
5	**Finish**	

GN 437-ZD-60-60-A-SR