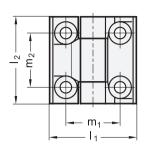
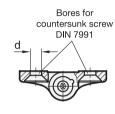
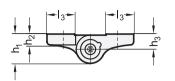
Hinges

with Friction Adjustment



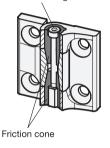






Swiveling range











A 2x2 bores for countersunk screws

Metric table

2	Dimensions in: millimeters - inche												
I ₁	I ₂	d	h ₁	h ₂	h ₃	h ₄	l ₃	m ₁	m ₂	A/F	Max. recommended tightening torque of the adjustment screw in Nm	Friction in Nm ≈	torque A4
												ZU	A4
40 <i>1.57</i>	40 1.57	5.3 0.21	13.5 <i>0.53</i>	5 0.20	7 0.28	14 0.55	13 <i>0.51</i>	25 0.98	25 0.98	2.5	0.5	2	3
50 1.97	50 1.97	6.5 <i>0.26</i>	15.5 <i>0.61</i>	6 0.24	8 0.31	16 <i>0.63</i>	16.5 <i>0.65</i>	30 1.18	30 1.18	3	0.75	4	4
60 2.36	60 2.36	8.3 0.33	18.5 <i>0.73</i>	7.5 0.30	9.5 <i>0.37</i>	19 <i>0.75</i>	20 0.79	36 1.42	36 1.42	4	1.5	6.5	6

Specification





SW

- Body Zinc die-cast ZD Powder coated Black, RAL 9005, textured finish Silver, RAL 9006, textured finish
- SR • Body Stainless steel AISI 316 Α4 GS Matte shot-blasted finish
- Friction cone Plastic Technopolymer (Polyacetal POM) Black, RAL 9005 Temperature resistant up to 176 °F (80 °C)
- · Adjustment screw
 - Steel, zinc plated, blue passivated finish (for ZD)
 - Stainless steel A4 (for A4)
- · Hexagon nut
- Steel, zinc plated, blue passivated finish (for ZD)
- Stainless steel AISI 316LHC (for A4)
- Load Rating Information → page 2088
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

Accessory

• Spacer plates GN 2370 → page 1380

Information

The adjustment screw in GN 437 hinges allows the movement of the hinge to be constrained and adds a friction adjustment which controls the swinging of doors and flaps to eliminate inadvertent movement.

The friction is accomplished by interlocking two slim friction cones that can be adjusted as needed with the adjustment screw. The large friction surface and the low-wear plastic of the friction cones guarantee a long service life with only a slight drop in the friction torque.

Due to the construction and the use of the friction cones, the hinge has hardly any radial play and no axial play at all. The stainless steel version is particularly suitable for use in aggressive environments.

see also...

- List of Hinge Types → page 1324
- Hinges EN 233 (with Friction Adjustment) → page 1417
- Hinges GN 437.1 → page 1337
- Lockable Hinges GN 437.2 (with Clamping Function) → page 1420

How to order	1	Material
	2	Width I₁
	3	Length I ₂
1 2 3 4 5	4	Туре
GN 437-ZD-60-60-A-SR	5	Finish