



SS Stainless Steel

4 Type

A 2x2 bores for countersunk screws

Metric table

Dimensions in: millimeters - inches

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 adjustment screw in Nm	Friction torque in Nm ≈	
												ZD	A4
40 <i>1.57</i>	40 <i>1.57</i>	5.3 <i>0.21</i>	13.5 <i>0.53</i>	5 <i>0.20</i>	7 <i>0.28</i>	14 <i>0.55</i>	13 <i>0.51</i>	25 <i>0.98</i>	25 <i>0.98</i>	2.5	0.5	2	3
50 <i>1.97</i>	50 <i>1.97</i>	6.5 <i>0.26</i>	15.5 <i>0.61</i>	6 <i>0.24</i>	8 <i>0.31</i>	16 <i>0.63</i>	16.5 <i>0.65</i>	30 <i>1.18</i>	30 <i>1.18</i>	3	0.75	4	4
60 <i>2.36</i>	60 <i>2.36</i>	8.3 <i>0.33</i>	18.5 <i>0.73</i>	7.5 <i>0.30</i>	9.5 <i>0.37</i>	19 <i>0.75</i>	20 <i>0.79</i>	36 <i>1.42</i>	36 <i>1.42</i>	4	1.5	6.5	6

Specification

- Body
Zinc die-cast **ZD**
Powder coated
Black, RAL 9005, textured finish **●SW**
Silver, RAL 9006, textured finish **●SR**
- Body
Stainless steel AISI 316 **A4**
Matte shot-blasted finish **GS**
- 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)
- Hex 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 l ₁
3	Length l ₂
4	Type
5	Finish

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