



4 Form
A 2x2 bores for countersunk screws

Metric table

Dimensions in: millimeters - *inches*

² l ₁	³ l ₂	d	h ₁	h ₂	h ₃	h ₄	l ₃	m ₁	m ₂	A/F	max. tightening torque of the set screw in Nm	≈ Friction torque in Nm
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 <i>0.10</i>	0.5	2
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 <i>0.12</i>	0.75	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 <i>0.16</i>	1.5	6.5

Specification

- Body
Zinc die-cast **ZD**
Powder coated
Black, RAL 9005, textured finish **● SW**
Silver, RAL 9006, textured finish **● SR**
- Friction cone
Plastic
Technopolymer (Polyacetal POM)
Temperature resistant up to 80 °C (176 °F)
- Set screw / hexagon nut
Steel, zinc plated, blue passivated finish
- RoHS compliant

Information

The set screw in GN 437 hinges allow the mobility of the hinge to be changed, and also generates a constant braking torque adjustable across the entire rotating range. The rotation of doors and flaps is inhibited, preventing 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 virtually constant stiffness. This can be re-adjusted, if necessary, with the set screw.

Owing to the structure and the pre-stress of the friction cones, the hinge has virtually no radial play and no play at all in the axial direction.

see also...

- *List of Hinge Types*
- *Adjustable Friction Hinges EN 233 (with Adjustable Friction Hinges)*

Accessory

- GN 2370 spacer plates
- GN 2372 spacer plates with tapped holes

¹ ² ³ ⁴ ⁵

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

1	Material
2	Width l₁
3	Length l₂
4	Type
5	Finish