Clamping Levers with Eccentrical Cam
Steel Components, Plastic Contact Plate

How to order (Inch, zinc die-cast lever)

GN 927-82-5/16X18-40-A-B

1. Lever length l₁
2. Thread d₂
3. Thread length l₁
4. Type
5. Color

How to order (Metric, steel lever)

GN 927.3-101-M8-B

1. Lever length l₁
2. Thread d₂
3. Type

Information

GN 927 / GN 927.3 clamping levers with eccentrical cam are used for rapid clamping and releasing operations. In contrast to a clamping operation utilizing threads, these levers permit torque-free clamping via a combined downward vertical and cam actuated motion.

The lever has been designed to ensure that its movement cannot exceed the maximum clamping position.

There are no loose components since all are assembled and mounted in their correct order.

With these clamping levers, thrust forces of up to 1.800 lbf (8 kN) can be obtained.

Advantages of the Type A:

The distance between the eccentrical cam and the contact surface is adjustable by means of a fine threaded knurled nut. This permits the maximum clamping force to be set by a simple adjustment. In addition this also permits the selection of a preferred lever position in relation to the clamping lever pin.

Specification

- **GN 927**
  - Lever body
  - Zinc die-cast
  - Powder coated (abrasion-proof epoxy resin)
  - Black, RAL 9005
  - Orange, RAL 2004
  - Red, RAL 3000
  - Silver, RAL 9006

- **GN 927.3**
  - Lever body
  - Steel, zinc plated, blue passivated finish

- **Type A**
  - Assembly pin, lag nut / screw
  - Steel, zinc plated, blue passivated finish
  - Contact plate
  - Plastic
  - Technopolymer (Polyacetal POM)
  - Glass fiber reinforced

- **Type B**
  - Assembly pin, lag nut / screw
  - Steel, zinc plated, blue passivated finish
  - Contact plate
  - Plastic
  - Technopolymer (Polyamide PA)
  - Glass fiber reinforced

- RoHS compliant

Inch | Metric

<table>
<thead>
<tr>
<th>Inch</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td><strong>GN 927</strong></td>
<td><strong>GN 927.3</strong></td>
</tr>
<tr>
<td>Lever body</td>
<td>Lever body</td>
</tr>
<tr>
<td>Zinc die-cast</td>
<td>Steel lever</td>
</tr>
<tr>
<td>Powder coated</td>
<td>Steel, zinc plated, blue passivated finish</td>
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<tr>
<td>(abrasion-proof epoxy resin)</td>
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<tr>
<td>Black, RAL 9005</td>
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<tr>
<td>Orange, RAL 2004</td>
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<td>Red, RAL 3000</td>
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<tr>
<td>Silver, RAL 9006</td>
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</table>

Type

- A Plastic contact plate with setting nut
- B Plastic contact plate without setting nut

Information

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Advantages of the Type A:

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## Inch table

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<tr>
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<th>d1</th>
<th>d2</th>
<th>b</th>
<th>d3</th>
<th>d4</th>
<th>d5</th>
<th>h</th>
<th>l6</th>
<th>l7</th>
<th>l8</th>
<th>l9</th>
<th>t</th>
<th>Usable thread length</th>
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<td>10 x 32</td>
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<td>1.38</td>
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<td>1.73</td>
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<td>1.18</td>
<td>1.38</td>
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<td>1.18</td>
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## Metric table

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<th>l1</th>
<th>d1</th>
<th>d2</th>
<th>l2 In clamping position</th>
<th>b</th>
<th>d3</th>
<th>d4</th>
<th>d5</th>
<th>h Stroke at 90° lever movement</th>
<th>l6 In clamping position</th>
<th>l7 Adjustable range</th>
<th>l8 In clamping position</th>
<th>t Usable thread length</th>
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<td>44</td>
<td>M 4</td>
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<td>18.5</td>
<td>0.73</td>
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<td>2.08</td>
<td>2.2</td>
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</table>

## Constructional features (Type A)

- **L1:** Adjustable by the setting screw for optimum clamping force at the preferred lever position.
- **L2:** Lag nut/lag screw
- **L3:** Setting nut
- **L4:** Plastic contact plate
- **L5:** Setting screw
- **L6:** Limitation of rotation angle at max. clamping force (self-arrestering)
- **L7:** Must not be exceeded. Otherwise there is the risk that the positioning thread can no longer absorb the clamping force or may be damaged.