Clamping levers with eccentrical cam GN 927 / GN 927.3 are used for rapid clamping and releasing. Hereby, contrary to a clamping operation via a thread, these levers permit a torque-free clamping.

The lever has been designed to ensure that its movement cannot exceed the max. clamping force. There are no loose components since they are all assembled and mounted in their correct order. With these clamping levers with eccentrical cam GN 927 / GN 927.3, clamping forces of up to 8 kN can be reached.

The type A has the following benefits:

The distance between the lever cam and the clamping surface is adjustable via a fine pitch thread, allowing the clamping position to be set easily with maximum clamping force. Also, the position of the lever relative to the clamping axis can be determined.

### Specification

- **GN 927**
  - Lever
  - Zinc die casting
  - Plastic coated
    - (abrasion proof epoxy resin)
    - black, RAL 9005
    - orange, RAL 2004
    - red, RAL 3000
    - silver, RAL 9006
  - **GN 927.3**
  - Lever
  - Steel (precision casting)
  - Zinc plated, blue passivated

This information applies to both standards:

- **Axis, lag nut / screw**
  - Setting nut and setting screw (only type A)
  - Steel, zinc plated, blue passivated
- **Contact plates**
  - Plastic, glass fiber reinforced
    - Type A: Polyacetal (POM)
    - Type B: Polyamide (PA)
- **Plastic characteristics → Page 1483**
- **RoHS**

### Information

#### How to order (Lever zinc die casting)

1. l₁
2. d₂
3. l₂
4. Type
5. Color

**Type**

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

**GN 927-82-M8-25-A-B**

#### How to order (Lever steel)

1. l₁
2. d₁
3. Type

**GN 927.3-63-M6-A**

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<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>l₃ in clamping position</th>
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Constructional features (Type A)

Plastic contact plate
Setting screw
Lag nut/ lag screw
Setting nut

\[ I_1 \] adjustable by the setting screw for optimum clamping force at the preferred lever position.

Limitation of rotation angle at max. clamping force (self-arresting)

\[ I_2 \] must not be exceeded. Otherwise there is the risk that the positioning thread can no longer absorb the clamping force or may be damaged.

Application examples

Lighting tripod, camera tripod or speaker tripod etc. with tilt adjustment

Shelf tray or storage tray etc. with linear adjustment