# **Threaded Lifting Pins** • self-locking, with rotatable shackle 22353.1010





#### **Product Description**

Heavy-duty lifting element for quick and easy use, with moveable, rotatable shackle and locking stud to provide protection against unintentional unlocking. For lifting loads, the threaded lifting pin is inserted into a threaded hole. In contrast to a ringbolt, time-consuming screwing in and out is therefore unnecessary. The rotatable shackle will always align with the tensile direction of pull without the pin rotating. This prevents the lifting device from being turned out of the thread and the component can be lifted safely.

All versions are corrosion-protected. The version made of stainless steel is also resistant to corrosion and weathering, so it is also suitable for external use. In addition, the high-strength, precipitation-hardened pin makes extreme loads possible.

#### **Material**

#### Pin part

 Stainless steel 1.4542, precipitationhardened

#### Press button

Aluminium, orange, anodised

#### Threaded element

 Stainless steel 1.4542, precipitationhardened

#### Shackle

Stainless steel 1.4571

#### Spring

· Stainless Steel

#### Assembly

Threaded lifting pins can be mounted into a thread that is true to gauge.

#### Mounting:

- 1. Press in the button and hold it down.
- 2. Insert the threaded lifting pin.
- 3. Release the button (The button must be back in its original position.).
- 4. Tighten the threaded lifting pin by hand, until it bears compleately on the bearing surface.
- 5. It must be ensured that the threaded segments are engaged in the mounting thread.

#### Dismantling:

- 1. Unscrew the threaded lifting pin approx. a guarter of a turn anticlockwise.
- 2. Press in the button and hold it down.
- 3. Remove the threaded lifting pin.
- 4. Release the button.

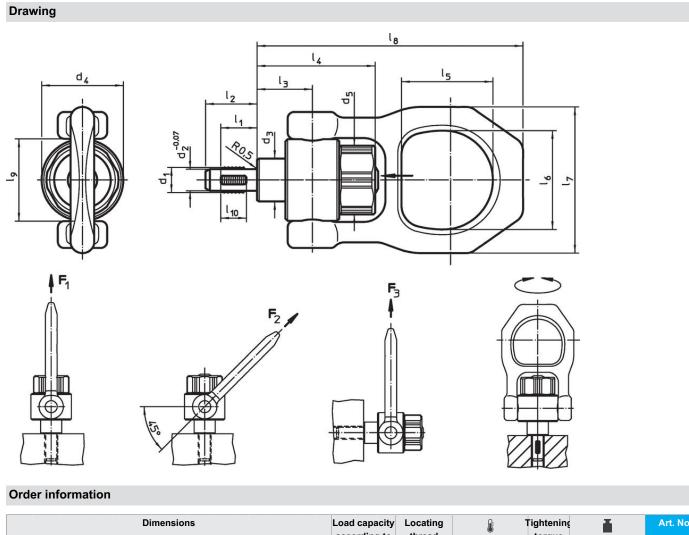
#### Operation

Each threaded lifting pin contains an instruction manual with an EC Declaration of Conformity.

# More information

#### **Further products**

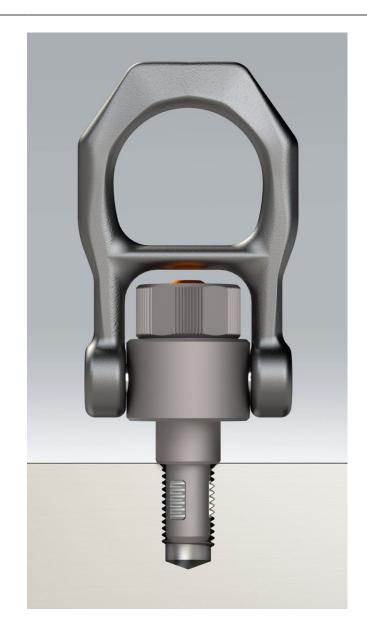
- Lifting Pins, self-locking
- · Lifting Pins, self-locking, stainless steel
- Threaded Lifting Pins, self-locking
- Threaded Lifting Pins, self-locking, for centre holes according to DIN 332
- Threaded Lifting Pins, self-locking INCH
  Threaded Lifting Pins, self-locking, with
- rotatable shackle INCH

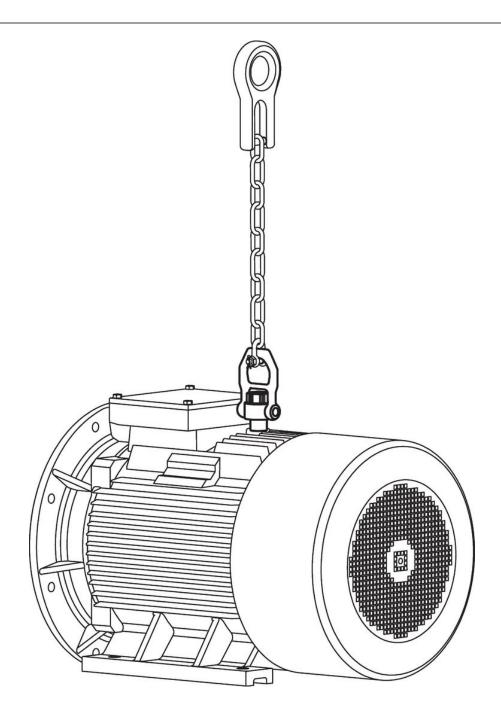


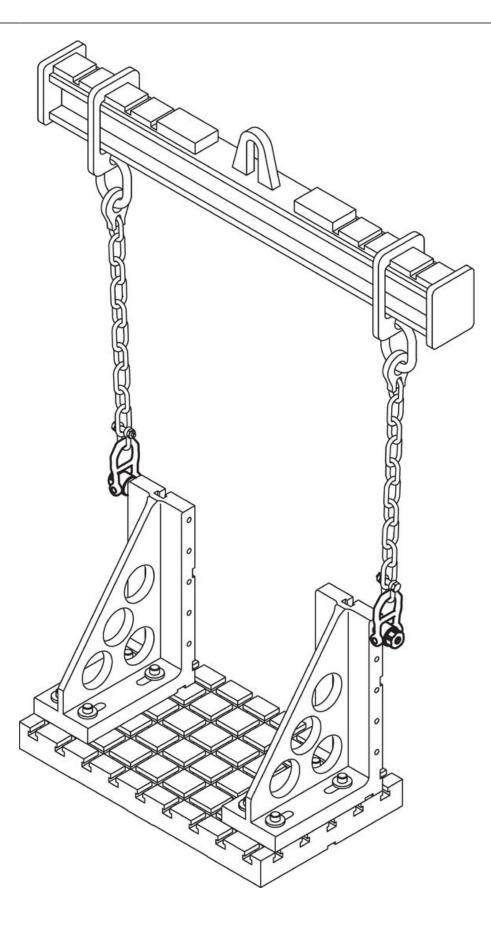
|   | Dimensions      |    |                     |                |                  |                |                                 |                |                |                |                |                |                |                 | Load capacity  |      | Locating       | Â    | Tightening | <b>1</b> | Art. No. |            |
|---|-----------------|----|---------------------|----------------|------------------|----------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|------|----------------|------|------------|----------|----------|------------|
|   | ar              |    |                     |                |                  |                |                                 |                |                |                |                |                |                |                 | according to   |      | thread         |      | torque     | _        |          |            |
|   | D               |    |                     |                |                  |                |                                 |                |                |                |                |                |                |                 | DIN EN 13155   |      |                |      | max.       |          |          |            |
|   | d1              | I1 | <b>d</b> 2<br>-0.07 | d <sub>3</sub> | d <sub>4</sub> c | l <sub>5</sub> | l <sub>2</sub>   l <sub>3</sub> | I <sub>4</sub> | I <sub>5</sub> | I <sub>6</sub> | I <sub>7</sub> | I <sub>8</sub> | l <sub>9</sub> | I <sub>10</sub> | F <sub>1</sub> | F₂   | F <sub>3</sub> |      | max.       |          |          |            |
|   | [mm]            |    |                     |                |                  |                |                                 |                |                |                |                |                |                |                 |                | [kN] |                | [mm] | [°C]       | [Nm]     | [g]      |            |
| S | Stainless steel |    |                     |                |                  |                |                                 |                |                |                |                |                |                |                 |                |      |                |      |            |          |          |            |
| ٨ | /10             | 14 | 8.35                | 20             | 38 33            | 3.5 2          | 20 25.                          | 7 54.9         | 42.5           | 46             | 68             | 123.7          | 38             | 10              | 3.9            | 1.5  | 1.5            | M10  | 250        | 2        | 691      | 22353.1010 |

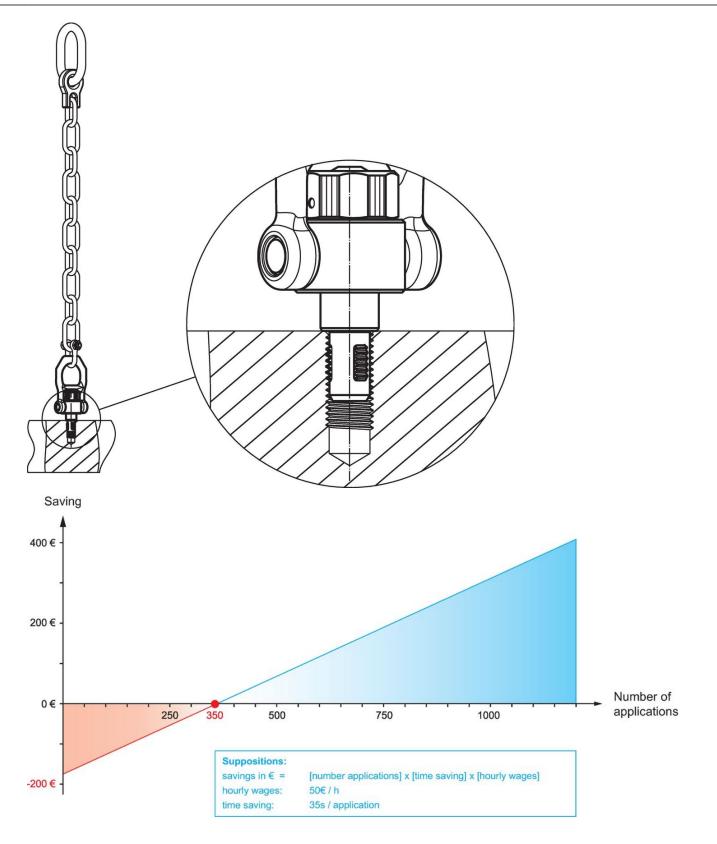
# Application example











## Compliance

# **RoHS compliant**

Contains lead - compliant according to exceptions 6a / 6b / 6c.

Contains SVHC substances >0,1% w/w Contains lead - SVHC list [REACH] as of 27.06.2024.

### **Contains Proposition 65 substances**

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Lead can cause cancer and reproductive harm from exposure https://www.P65Warnings.ca.gov/

#### Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.

