# **Ball Lock Pins** • self-locking, with combination handle, precipitation-hardened 22380.0335



# **Product Description**

For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

All versions are corrosion resistant. When using stainless steel 1.4542: high-strength, hardened, abrasion resistant pin with high load capacity.

Ergonomic grip, different colour combinations available. The grip design provides protection of unintentional unlocking.

#### Material

#### Pin part

 Stainless steel 1.4542, precipitationhardened

#### Handle

• Thermoplastic PA 6 grey / grey

#### Spring

· Stainless steel

# **Operation**

The balls are unlocked by pressing the button.

#### Characteristic

Types from stainless steel 1.4542 with marking below the balls.

#### More information

#### **Notes**

Customized design on request.

# References

Stainless steel 1.4305, see EH 22370.

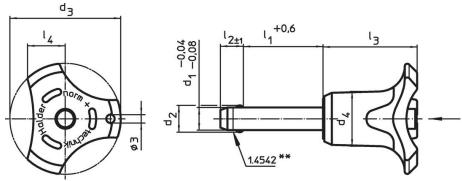
#### Accessories

Can easily be fitted with retaining cable EH 22400.

# **Further products**

- Ball Lock Pins, self-locking, with combination handle
- Locating Bushings, for ball lock pins and socket pins
- Locating Bushings, with flange, for ball lock pins and socket pins
- · Retaining Cables
- · Positioning Bushings, with collar, DIN 172 A
- Positioning Bushings, without collar, DIN 179 A

# **Drawing**



Erwin Halder KG

\*\* Types from stainless steel 1.4542 with marking.

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Published on: 13.11.2024

# **Order information**

| Dimensions                              |                     |                |                |      |                      |                |                |             | Shearing resistance,         | <b>B</b> : |      | I   | Art. No.   |  |
|---|---------------------|----------------|----------------|------|----------------------|----------------|----------------|-------------|------------------------------|------------|------|-----|------------|--|
| <b>d</b> <sub>1</sub><br>-0.04<br>-0.08 | l₁<br>+0.6          | d <sub>2</sub> | d <sub>3</sub> | d₄   | l <sub>2</sub><br>±1 | l <sub>3</sub> | I <sub>4</sub> | hole<br>H11 | two-shear <sup>1)</sup> min. | min.       | max. |     |            |  |
| [mm]                                    |                     |                |                |      |                      |                |                | [mm]        | [kN]                         | [°C]       |      | [g] |            |  |
| Handle                                  | Handle colour: grey |                |                |      |                      |                |                |             |                              |            |      |     |            |  |
| 10                                      | 90                  | 12             | 39.2           | 18.4 | 9.6                  | 33.3           | 13.4           | 10          | 100                          | -30        | 80   | 103 | 22380.0335 |  |

<sup>1)</sup> Shearing resistance similar to DIN 50141

# **Application example**





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# Compliance

# **RoHS** compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

# **Does not contain SVHC substances**

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 27.06.2024.

# Does not contain Proposition 65 substances

No Proposition 65 substances included. 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.



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