**Ball Lock Pin / Rapid Release Pin Types**

**GN 113.3**  
**GN 113.4**  
**Page 1062**  
With finger recess  
Pin Ø 5 / 6 / 8 / 10 / 12 / 16 / 20 / 25 mm  
**Function:**  
The locking element consists of two balls that are freed by depressing the spring loaded push button and locked by releasing the push button.  
**Features:**  
- GN 113.3: stainless steel AISI 303  
- GN 113.4: stainless steel AISI 630, precipitation hardened

**GN 113.5**  
**GN 113.6**  
**Page 1063**  
With plastic knob  
Pin Ø 5 / 6 / 8 / 10 / 12 / 16 mm  
**Function:**  
The locking element consists of two balls that are freed by depressing the spring loaded push button and locked by releasing the push button.  
**Features:**  
- GN 113.5: stainless steel AISI 303  
- GN 113.6: stainless steel AISI 630, precipitation hardened

**GN 113.7**  
**GN 113.8**  
**Page 1064**  
With stainless steel knob  
Pin Ø 5 / 6 / 8 / 10 / 12 / 16 / 20 / 25 mm  
**Function:**  
The locking element consists of two balls that are freed by depressing the spring loaded push button and locked by releasing the push button.  
**Features:**  
- GN 113.7: stainless steel AISI 303  
- GN 113.8: stainless steel AISI 630, precipitation hardened

**GN 113.9**  
**GN 113.10**  
**Page 1065**  
With plastic T-handle  
Pin Ø 5 / 6 / 8 / 10 / 12 / 16 / 20 / 25 mm  
**Function:**  
The locking element consists of two balls that are retracted by depressing the spring loaded push button and locked by releasing the push button.  
**Features:**  
- GN 113.9: stainless steel AISI 303  
- GN 113.10: stainless steel AISI 630, precipitation hardened

**GN 314**  
**Page 1066**  
With plastic L-handle  
Lockable  
Pin Ø 8 / 10 / 12 / 16 / 20 mm  
**Function:**  
The locking element consists of a pawl at the front end of the shank pin, which is “retracted” or brought into the locking position by a 180° turn of the key.  
**Features:**  
- Shank pin, pawl: stainless steel AISI 303  
- Lock mechanism: zinc die-cast / stainless steel  
- Key: steel, nickel plated

**RP 200**  
**RP 200.1**  
**Page 1068**  
With aluminum knob  
Pin Ø .250 / .313 / .375 / .500 / .625”  
**Function:**  
The locking element consists of two balls that are retracted by depressing the spring loaded push button and locked by releasing the push button.  
**Features:**  
- RP 200: zinc plated steel  
- RP 200.1: stainless steel 17-4, heat treated

**WN 100.1**  
**Page 1069**  
With plastic T-handle  
Pin Ø .250 / .313 / .375 / .500 / .625”  
**Function:**  
The locking element consists of two balls that are retracted by depressing the spring loaded push button and locked by releasing the push button.  
**Features:**  
- Pin in stainless steel 17-4, heat treated  
- T-handle in black anodized aluminum die-cast A383
Ball Lock Pin / Rapid Release Pin Types

GN 114.2
GN 114.3
GN 114.6

With plastic / stainless steel knob
Pin Ø 6 / 8 / 10 / 12 / 16 / 20 mm

Function:
The locking element consists of rectangular pawls that are retracted by depressing the spring loaded push button and locked by releasing the push button.

Features:
- GN 114.2
  - Pin in zinc plated steel
  - Knob, push button and push rod in plastic
- GN 114.3
  - Pin in stainless steel AISI 303
  - Knob, push button and push rod in plastic
- GN 114.6
  - Pin in stainless steel AISI 303
  - Knob, push button and push rod in stainless steel

GN 214.2
GN 214.3
GN 214.6

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With pull ring
(stainless steel AISI 301)
Pin Ø 6 / 8 / 10 / 12 / 16 mm

Function:
The locking element consists of rectangular pawls that are retracted by depressing the spring loaded push button and locked by releasing the push button.

Features:
- GN 214.2
  - Pin in zinc plated steel
  - Push button and push rod in plastic
- GN 214.3
  - Pin in stainless steel AISI 303
  - Push button and push rod in plastic
- GN 214.6
  - Pin in stainless steel AISI 303
  - Push button and push rod in stainless steel AISI 303

GN 113.1

Page 1073
With plastic handle
Pin Ø 6 / 8 / 10 / 12 mm

Function:
- Ball lock pins are used for rapid clamping and simultaneously play-free connecting of thin components.
- The pin advances and at the same time frees two balls.

Features:
- Pin in stainless steel AISI 303
- Handle in plastic

GN 124.2

Page 1074
With plastic knob
Pin Ø 6 / 8 / 10 / 12 mm

Function:
The locking element consists of one or two retaining balls that are held in position by a compression spring. The pin can be quickly and easily inserted and removed from the location bore.

Features:
- Pin in stainless steel AISI 303
- Knob in plastic

GN 124.1

Page 1075
With plastic knob
Pin Ø 6 / 8 / 10 / 12 mm

Function:
- In combination with components made from a magnetic material, the magnet that is recessed into the underside of the knob axially retains the pin in its inserted position.
- Appropriate surface conditions and perpendicular location bores favor extremely good axial retaining forces.

Features:
- Pin in stainless steel AISI 303
- Knob in plastic
- Retaining magnet in neodymium, iron, boron
### Ball Lock Pin / Rapid Release Pin Types

<table>
<thead>
<tr>
<th>GN 2342</th>
<th>Page 1076</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type B / E</strong></td>
<td></td>
</tr>
<tr>
<td>Pin Ø 8 / 10 / 12 / 16 / 20 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Function:**
- Type B and E assembly pins are axially positioned by a plain or eyelet washer.
- They are axially secured by a cross hole (identification no. 2) in which a spring cotter pin is inserted.
- Assembly pins with eyelet washer, including the matching spring cotter pins, can additionally be secured against loss with a retaining cable.

**Feature:**
- Pin in stainless steel AISI 304

<table>
<thead>
<tr>
<th>GN 2342</th>
<th>Page 1076</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type L</strong></td>
<td></td>
</tr>
<tr>
<td>Pin Ø 8 / 10 / 12 / 16 / 20 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Function:**
- Type L assembly pins are axially positioned by a mounting shackle washer.
- Attached with a countersunk screw, the mounting shackle washer holds the assembly pin play-free in the hole so that it is secured against rotation.

**Feature:**
- Pin in stainless steel AISI 304

<table>
<thead>
<tr>
<th>GN 124.3</th>
<th>Page XYZ</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pin Ø 6 / 10 / 12 mm</strong></td>
<td></td>
</tr>
<tr>
<td><strong>With eyelet washer</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Function:**
- The locking element consists of one or two guide balls that are held in the locking position using a pressure spring. The bolts can be quickly and easily inserted and removed from the locating hole.

**Feature:**
- Pin in stainless steel AISI 303
- Washer stainless steel AISI 316LHC, metal injection molded

<table>
<thead>
<tr>
<th>GN 113.30</th>
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</thead>
<tbody>
<tr>
<td><strong>Type M</strong></td>
<td></td>
</tr>
<tr>
<td>Pin Ø 6 / 8 / 10 mm</td>
<td></td>
</tr>
<tr>
<td><strong>With finger recess</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Function:**
- The locking element consists of 2 balls, which are “retracted” by press of a button and brought back into the (form-locking) lock function by a pressure spring.

**Feature:**
- Pin titanium
- Balls ceramic
- Key: steel, nickel plated

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Type L</strong></td>
<td></td>
</tr>
<tr>
<td>Pin Ø 6 / 8 / 10 mm</td>
<td></td>
</tr>
<tr>
<td><strong>With L-handle</strong></td>
<td></td>
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</tbody>
</table>

**Function:**
- The locking element consists of 2 balls, which are “retracted” by press of a button and brought back into the (form-locking) lock function by a pressure spring.

**Feature:**
- Pin titanium
- Knob plastic
- Balls ceramic

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<tr>
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<tbody>
<tr>
<td><strong>Type T</strong></td>
<td></td>
</tr>
<tr>
<td>Pin Ø 6 / 8 / 10 mm</td>
<td></td>
</tr>
<tr>
<td><strong>With T-handle</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Function:**
- The locking element consists of 2 balls, which are “retracted” by press of a button and brought back into the (form-locking) lock function by a pressure spring.

**Feature:**
- Pin titanium
- Knob plastic
- Balls ceramic