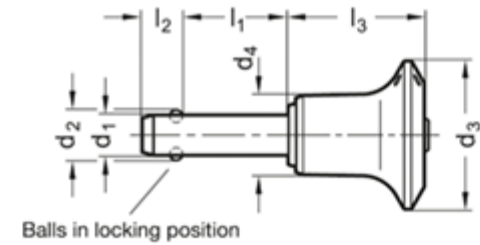


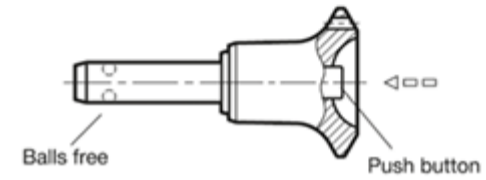
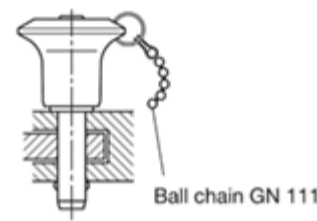
## GN 113.9

### Stainless Steel-Ball lock pins

with Stainless Steel-Knob, plunger material no. AISI 303



#### Application example



|                      | d1 -0.04/-0.08 | l1 +0.6 | d2  | d3 | d4   | l2 ±1 | l3 -0.2 | Locating bore H11 | Load in kN ≈<br>Double sided shearing resistance according DIN 50141 (Breaking strength) |    |  |  |
|----------------------|----------------|---------|-----|----|------|-------|---------|-------------------|--|----|--|--|
| <b>GN 113.9-5-10</b> | 5              | 10      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 23 |  |  |
| <b>GN 113.9-5-15</b> | 5              | 15      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 24 |  |  |
| <b>GN 113.9-5-20</b> | 5              | 20      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 24 |  |  |
| <b>GN 113.9-5-25</b> | 5              | 25      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 25 |  |  |
| <b>GN 113.9-5-30</b> | 5              | 30      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 26 |  |  |
| <b>GN 113.9-5-35</b> | 5              | 35      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 26 |  |  |
| <b>GN 113.9-5-40</b> | 5              | 40      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 27 |  |  |
| <b>GN 113.9-5-45</b> |                |         |     |    |      |       |         |                   |  |    |  |  |
| <b>GN 113.9-5-50</b> | 5              | 45      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 28 |  |  |
| <b>GN 113.9-5-60</b> | 5              | 50      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 28 |  |  |
| <b>GN 113.9-5-70</b> | 5              | 60      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 31 |  |  |
| <b>GN 113.9-5-80</b> | 5              | 70      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 32 |  |  |
|                      | 5              | 80      | 5.5 | 23 | 10.2 | 6     | 20.2    | 5                 | 14   | 33 |  |  |

#### Description

GN 113.9-6-10

6

10

7

23

10.2

7

20.2

6

21

25



## Specification

Plunger  
Stainless Steel AISI 303

Knob, push button  
Stainless Steel AISI 316L

Balls  
Stainless Steel AISI 420C

Spring  
Stainless Steel German material no. 1.4565

## Information

Stainless Steel-Ball lock pins GN 113.9 are used for quick fixing, connecting and locking of various parts and workpieces. A typical application is location pins which have to be often removed and replaced again.

By pressing the spring loaded push button both balls are unlocked and by releasing it, the balls are locked again.

## Technical information

- [ISO-Fundamental Tolerances](#)
- [Stainless Steel characteristics](#)

## Accessory

- Ball chains [GN 111](#)
- Stainless Steel-Ball chains [GN 111.5](#)
- Retaining cables [GN 111.2](#)
- Spiral retaining cables [GN 111.4](#)

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