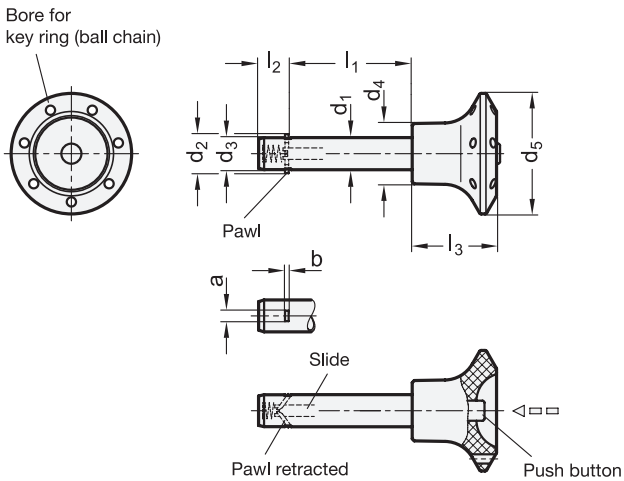
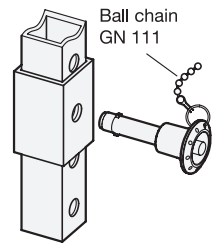
# Locking Pins

Stainless Steel, Knob Plastic, with Axial Lock (Pawl)





**Application example**




STAINLESS *

| 1 $d_1$ −0,1 | 2 $l_1$ +2 | | | | | | | | | | | | | | | a | b | $d_2$ | $d_3$ | $d_4$ | $d_5$ | $l_2$ | $l_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 10 | 12 | 16 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | - | - | 2,3 | 0,5 | 7,3 +0,5 | 5,9 | 15 | 30 | 7 | 21 |
| 8 | 10 | 16 | 20 | 25 | 35 | 30 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 | - | 2,8 | 0,6 | 9,8 +0,5 | 7,9 | 15 | 30 | 8,4 | 21 |
| 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 3,3 | 1 | 11,7 +1 | 9,9 | 18 | 34 | 9,8 | 26 |
| 12 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | - | 3,8 | 1 | 13,7 +1 | 11,9 | 18 | 34 | 11,3 | 26 |
| 16 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 4,8 | 1,2 | 18,7 +1 | 15,9 | 22 | 40 | 14,2 | 32 |
| 20 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 4,8 | 1,2 | 22,7 +1 | 19,8 | 25 | 40 | 14,8 | 33 |

## Specification

**Pin**
Stainless steel AISI 303

**Pawl**
Stainless steel sheet metal AISI 304

**Knob**
Plastic, Polyamide (PA)
- Black-gray
- Operating temperature up to 80 °C

**Push button / Slide**
Plastic, Polyacetal (POM)
- Red
- Operating temperature to 80 °C

**Pressure spring**
Stainless steel AISI 301

RoHS

| Accessory | Page |
|---|---|
| **GN 1140** Holding Bushings | QVX |
| **GN 111** Ball Chains (Steel) | QVX |
| **GN 111.5** Ball Chains (Stainless Steel) | QVX |
| **GN 111.2** Retaining Cables | QVX |
| **GN 111.4** Spiral Retaining Cables | QVX |
| **DIN 172** Guide Bushings (with Collar) | QVX |
| **DIN 179** Guide Bushings (without Collar) | QVX |

Pins with axial lock GN 114.3 are used for quick fixing, connecting and locking of various jig and fixture systems. A typical application is location pins which have to be often removed and re-placed again.
The rectangular pawls made of stainless steel sheet metal keep the locking pin in an axial position in the bore. It can be retracted by pressing the button, once released it returns the pressure spring into its locking position.
The technical appendix contains the load capacities for the double-sided shearing resistance (breaking strength).

| see also... | Page |
|---|---|
| **GN 214.3** Locking Pins (with Lifting Ring) | QVX |

| Technical Information | |
|---|---|
| List of Lock Pin Types | QVX |
| Load Capacity of Ball Lock Pins / Locking Pins | QVX |
| Plastic Characteristics | QVX |
| Stainless Steel Characteristics | QVX |

How to order

GN 114.3-10-60 (1 2)

| | |
|---|---|
| 1 | $d_1$ |
| 2 | $l_1$ |