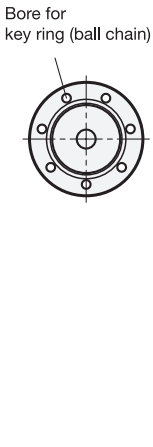
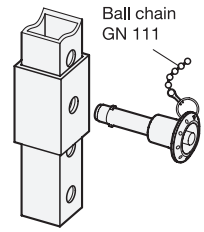
GN 114.2 Locking pins

with axial lock (Pawl)



Application example



1 d_1 −0,1	2 l_1 +0,4 Minimum size										a	b	d_2	d_3	d_4	d_5	l_2	l_3	Load in kN ≈ (Double sided shear force) See information
6	10	12	16	20	25	30	35	40	45	50	2,3	0,5	7,5 +0,5	5,9	15	30	7	21	14
8	16	20	25	30	35	40	45	50	-	-	2,8	0,6	10 +0,5	7,9	15	30	8,4	21	28
10	20	25	30	35	40	45	50	60	-	-	3,3	1	12 +1	9,9	18	34	9,8	26	38
12	25	30	35	40	45	50	60	70	80	-	3,8	1	14 +1	11,9	18	34	11,3	26	61
16	30	35	40	45	50	60	70	80	-	-	4,3	1,2	19 +1	15,9	22	40	14,2	32	113
20	30	35	40	45	50	60	70	80	-	-	4,3	1,2	23 +1	19,8	25	40	14,8	33	187

Specification

- Pin
  Steel
  zinc plated, blue passivated
- Pawl
  Stainless Steel AISI 304 (sheet metal)
- Knob
  Plastic (Polyamide PA)
  - black-grey
  - temperature resistant up to 80 °C
- Push button / Slide
  Plastic
  - Push button: red
  - temperature resistant up to 80 °C
- Spring
  Stainless Steel AISI 301
- *Stainless Steel characteristics → Page 1489*
- *Plastic characteristics → Page 1483*
- RoHS compliant

Accessory

- Ball chains GN 111 / GN 111.5 → *Page 876*
- Retaining cables GN 111.2 → *Page 877*
- Spiral retaining cables GN 111.4 → *Page 878*

Information

Locking pins with axial lock GN 114.2 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 load values given in the above table at shear stress are theoretically obtained and indicative only. They are non-binding recommended values and rule out any liability. They constitute no general warranty of quality and condition. The user must determine from case to case whether a product is suitable for the intended use.

see also...
- *List of lock pin types → Page 746 ff.*
- *Locking pins GN 214.2 (with lifting ring) → Page 754*

How to order

GN 114.2-10-60 (1 2)

1	d_1
2	l_1