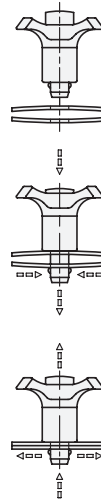


Application example



ROSTFREI
Inox
Stainless
Steel

1

2

| d ₁ ^{-0.04 -0.08} | l ₁ (5mm stroke) | | d ₂ | d ₃ | d ₄ | l ₂ | l ₃ | Locating bore H11 | Clamping force max. in N ≈ |
|---|-----------------------------|------|----------------|----------------|----------------|----------------|----------------|-------------------|----------------------------|
| | max. | min. | | | | | | | |
| 6 | 5 | 0 | 7 | 38 | 17,5 | 5 | 30 | 6 | 16 |
| 6 | 10 | 5 | 7 | 38 | 17,5 | 5 | 30 | 6 | 18 |
| 8 | 5 | 0 | 9,5 | 38 | 17,5 | 6,5 | 30 | 8 | 16 |
| 8 | 10 | 5 | 9,5 | 38 | 17,5 | 6,5 | 30 | 8 | 18 |
| 10 | 5 | 0 | 12 | 47 | 23 | 8,7 | 36 | 10 | 21 |
| 10 | 10 | 5 | 12 | 47 | 23 | 8,7 | 36 | 10 | 23 |
| 12 | 5 | 0 | 14 | 47 | 23 | 9,4 | 36 | 12 | 21 |
| 12 | 10 | 5 | 14 | 47 | 23 | 9,4 | 36 | 12 | 23 |

Specification

- Pin
Stainless steel AISI 303
- Handle
Plastic (Polyamide PA)
- Black-gray / red
- Temperature resistant up to 80 °C
- Balls
Stainless steel AISI 420C
- Pressure spring
Stainless steel AISI 631
- ISO Fundamental Tolerances → Page 2151
- Plastic Characteristics → Page 2158
- Stainless Steel Characteristics → Page 2166
- RoHS

Accessory

- Ball Chains GN 111 / GN 111.5 → Page 1174
- Retaining Cables GN 111.2 → Page 1176
- Spiral Retaining Cables GN 111.4
→ Page 1175

Information

Ball lock pins GN 113.1 are used for rapid clamping and, at the same time, play-free clamping of thin components in particular where frequent clamping and releasing is required. A typical application is the alignment and clamping of sheet metal during a welding process.

By depressing the spring-loaded push button the pin advances by the length l_2 and at the same time frees the two balls.

see also...

- List of Lock Pin Types → Page 1008 ff.

How to order

GN 113.1-6-5

1 d₁

2 l₁ min.