Stainless Steel-Ball lock pins

with clamping length compensation

SPECIFICATION

Pin
Stainless Steel AISI 303

Handle
Plastic (Polyamide PA)

- black-grey / red
- temperature resistant up to 80 °C

Balls
Stainless Steel AISI 420C

Spring
Stainless Steel AISI 631

INFORMATION

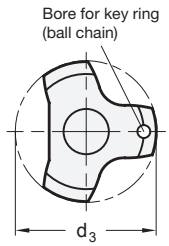
Stainless Steel-Ball lock pins GN 113.1 are used for rapid clamping and, at the same time, play-free clamping of thin components in particular where frequent clamping and releasing is required. A typical application is the alignment and clamping of sheet metal during a welding process.
By depressing the spring-loaded push button the pin advances by the length l_2 and at the same time frees the two balls.
- Range of locking pins (see page 868)

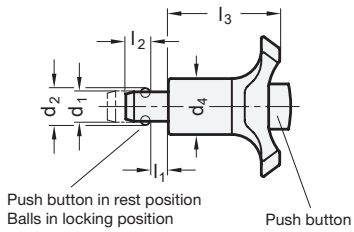
ACCESSORY

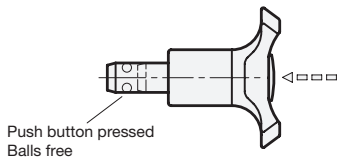
- Ball chains GN 111 (see page 904)
- Stainless Steel-Ball chains GN 111.5 (see page 905)
- Retaining cables GN 111.2 (see page 906)
- Spiral retaining cables GN 111.4 (see page 908)

TECHNICAL INFORMATION

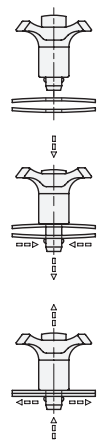
- Stainless Steel characteristics (see page A26)
- Plastic characteristics (see page A2)







Application example



GN 113.1 **STAINLESS STEEL**

Description	d1 -0.04/-0.08	l1 max.	l1 min.	d2	d3	d4	l2	l3	Locating bore H11	Clamping force max. in N ≈	⚖
GN 113.1-6-0	6	5	0	7	38	17.5	5	30	6	16	16
GN 113.1-6-5	6	10	5	7	38	17.5	5	30	6	18	23
GN 113.1-8-0	8	5	0	9.5	38	17.5	6.5	30	8	16	19
GN 113.1-8-5	8	10	5	9.5	38	17.5	6.5	30	8	18	20
GN 113.1-10-0	10	5	0	12	47	23	8.7	36	10	21	38
GN 113.1-10-5	10	10	5	12	47	23	8.7	36	10	23	39
GN 113.1-12-0	12	5	0	14	47	23	9.4	36	12	21	42
GN 113.1-12-5	12	10	5	14	47	23	9.4	36	12	23	44