

Locking Pins

Pin Stainless Steel, T-Handle Plastic, with Axial Lock (Pawl)

SPECIFICATION

Pin

Stainless steel AISI 303

Pawl

Stainless steel sheet metal AISI 304

T-handle

Plastic, polyamide (PA)

- Black
- Operating temperature up to +80 °C
- Bushing
Stainless steel AISI 303

Push button / Slide

Plastic, polyacetal (POM)

- Push button: red
- Operating temperature up to +80 °C

Compression spring

Stainless steel AISI 302



INFORMATION

Locking pins GN 114.8 with axial lock are used to quickly fix, connect and secure various components. Typically, they are used as bearing bolts that have to be frequently assembled and disassembled.

The rectangular pawls made of stainless steel sheet metal hold the locking pin in an axial position in the bore. They are retracted with the push button and when released, the compression spring returns them to the locked position. The pawls are not aligned with the T-handle.

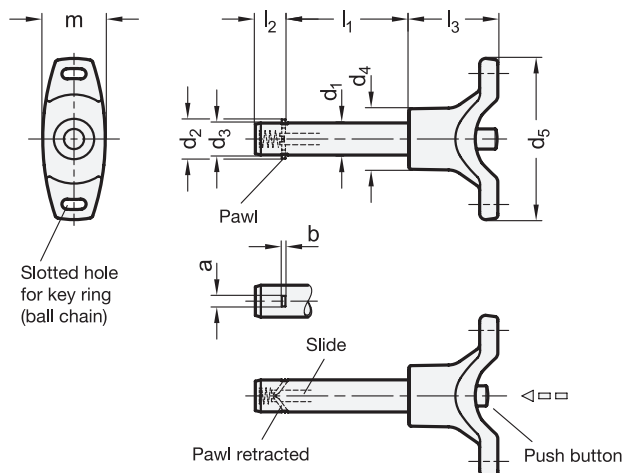
The technical annex contains the load ratings for the double shear strength (breaking strength).

ACCESSORY

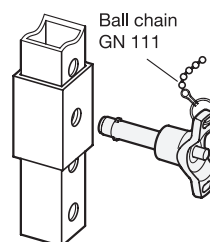
- GN 111 Ball Chains (see page 904) / GN 111.5 Ball Chains (see page 905)
- GN 111.2 Retaining Cables (see page 906)
- GN 111.4 Spiral Retaining Cables (see page 908)

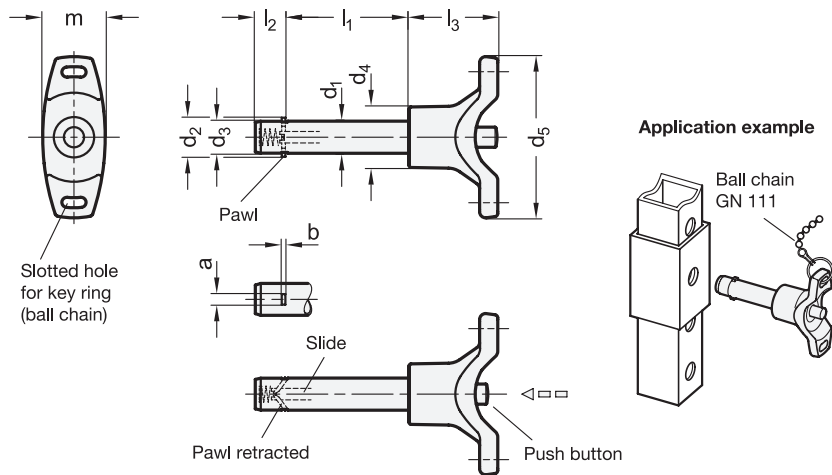
TECHNICAL INFORMATION

- List of Lock Pin Types (see page 868)
- Load Capacity (see page)
- Plastic Characteristics (see page A2)
- Stainless Steel Characteristics (see page A26)



Application example





GN 114.8

STAINLESS STEEL

Description	d1 -0.1	l1 +0.4 Minimum size	a	b	d2	d3	d4	d5	l2	l3	m	Load capacity F in kN ≈	⚖
GN 114.8-6-10	6	10	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	14
GN 114.8-6-12	6	12	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	15
GN 114.8-6-16	6	16	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	16
GN 114.8-6-20	6	20	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	17
GN 114.8-6-25	6	25	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	18
GN 114.8-6-30	6	30	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	19
GN 114.8-6-35	6	35	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	20
GN 114.8-6-40	6	40	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	21
GN 114.8-6-45	6	45	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	22
GN 114.8-6-50	6	50	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	23
GN 114.8-6-60	6	60	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	24
GN 114.8-6-70	6	70	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	25
GN 114.8-6-80	6	80	2.3	0.5	7.3	5.9	15	40	7	22	15.5	17	26
GN 114.8-8-10	8	10	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	17
GN 114.8-8-16	8	16	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	19
GN 114.8-8-20	8	20	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	21
GN 114.8-8-25	8	25	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	22
GN 114.8-8-30	8	30	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	24
GN 114.8-8-35	8	35	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	26
GN 114.8-8-40	8	40	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	28
GN 114.8-8-45	8	45	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	29
GN 114.8-8-50	8	50	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	31
GN 114.8-8-60	8	60	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	34
GN 114.8-8-70	8	70	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	38
GN 114.8-8-80	8	80	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	41
GN 114.8-8-90	8	90	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	45
GN 114.8-8-100	8	100	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	35	48
GN 114.8-10-15	10	15	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	32
GN 114.8-10-20	10	20	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	34
GN 114.8-10-25	10	25	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	36
GN 114.8-10-30	10	30	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	39
GN 114.8-10-35	10	35	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	41
GN 114.8-10-40	10	40	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	43
GN 114.8-10-45	10	45	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	46
GN 114.8-10-50	10	50	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	48
GN 114.8-10-60	10	60	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	53
GN 114.8-10-70	10	70	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	58
GN 114.8-10-80	10	80	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	62
GN 114.8-10-90	10	90	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	67
GN 114.8-10-100	10	100	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	72
GN 114.8-10-110	10	110	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	77
GN 114.8-10-120	10	120	3.3	1	11.7	9.9	18	48	9.8	27.5	20	47	81
GN 114.8-12-20	12	20	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	42
GN 114.8-12-25	12	25	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	45

GN 114.8

STAINLESS STEEL

Description	d1 -0.1	l1 +0.4 Minimum size	a	b	d2	d3	d4	d5	l2	l3	m	Load capacity F in kN ≈	⚖
GN 114.8-12-30	12	30	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	49
GN 114.8-12-35	12	35	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	53
GN 114.8-12-40	12	40	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	57
GN 114.8-12-45	12	45	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	60
GN 114.8-12-50	12	50	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	64
GN 114.8-12-60	12	60	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	71
GN 114.8-12-70	12	70	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	79
GN 114.8-12-80	12	80	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	86
GN 114.8-12-90	12	90	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	94
GN 114.8-12-100	12	100	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	101
GN 114.8-12-110	12	110	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	109
GN 114.8-12-120	12	120	3.8	1	13.7	11.9	18	48	11.3	27.5	20	75	116
GN 114.8-16-30	16	30	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	96
GN 114.8-16-35	16	35	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	103
GN 114.8-16-40	16	40	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	110
GN 114.8-16-45	16	45	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	116
GN 114.8-16-50	16	50	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	124
GN 114.8-16-60	16	60	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	137
GN 114.8-16-70	16	70	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	151
GN 114.8-16-80	16	80	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	165
GN 114.8-16-90	16	90	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	179
GN 114.8-16-100	16	100	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	192
GN 114.8-16-110	16	110	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	206
GN 114.8-16-120	16	120	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	220
GN 114.8-16-130	16	130	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	234
GN 114.8-16-140	16	140	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	248
GN 114.8-16-150	16	150	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	138	261
GN 114.8-20-30	20	30	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	135
GN 114.8-20-35	20	35	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	146
GN 114.8-20-40	20	40	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	158
GN 114.8-20-45	20	45	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	169
GN 114.8-20-50	20	50	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	181
GN 114.8-20-60	20	60	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	203
GN 114.8-20-70	20	70	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	226
GN 114.8-20-80	20	80	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	249
GN 114.8-20-90	20	90	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	272
GN 114.8-20-100	20	100	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	294
GN 114.8-20-110	20	110	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	317
GN 114.8-20-120	20	120	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	340
GN 114.8-20-130	20	130	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	362
GN 114.8-20-140	20	140	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	385
GN 114.8-20-150	20	150	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	228	408