

Locking Pins

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

SPECIFICATION

Pin

Steel
Zinc plated, blue passivated

Pawl

Stainless steel sheet metal AISI 304

T-handle

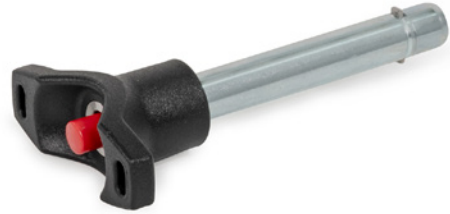
Plastic, polyamide (PA)
• Black
• Operating temperature up to +80 °C
• Bushing
Stainless steel AISI 303

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 114.7 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.

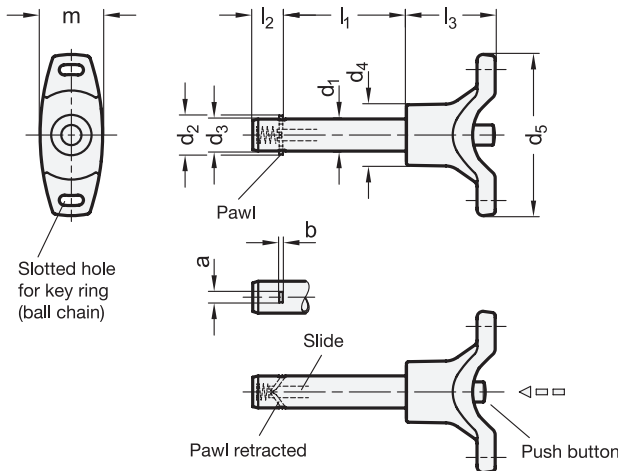
The technical annex contains the load ratings for the double shear strength (breaking strength).

ACCESSORY

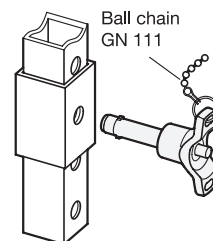
- GN 111 Ball Chains (see page 904) / GN 111.5 Ball Chains (see page 905)
- GN 111.2 Retaining Cables (see page 906)
- GN 111.4 Spiral Retaining Cables (see page 908)

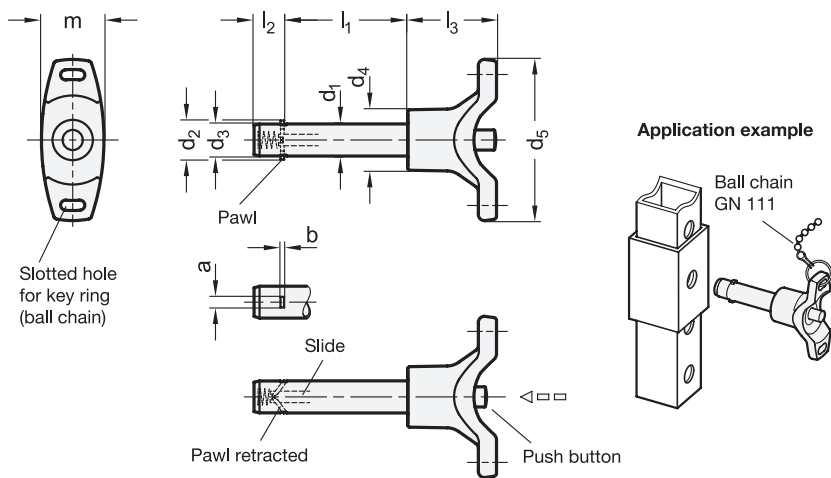
TECHNICAL INFORMATION

- 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 114.7

Description	d1 -0.1	l1 +0.4 Minimum size	a	b	d2	d3	d4	d5	l2	l3	m	Load capacity F in kN ≈	
GN 114.7-6-10	6	10	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	14
GN 114.7-6-12	6	12	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	15
GN 114.7-6-16	6	16	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	16
GN 114.7-6-20	6	20	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	17
GN 114.7-6-25	6	25	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	18
GN 114.7-6-30	6	30	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	19
GN 114.7-6-35	6	35	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	20
GN 114.7-6-40	6	40	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	21
GN 114.7-6-45	6	45	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	22
GN 114.7-6-50	6	50	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	23
GN 114.7-6-60	6	60	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	24
GN 114.7-6-70	6	70	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	25
GN 114.7-6-80	6	80	2.3	0.5	7.3	5.9	15	40	7	22	15.5	14	26
GN 114.7-8-10	8	10	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	17
GN 114.7-8-16	8	16	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	19
GN 114.7-8-20	8	20	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	20
GN 114.7-8-25	8	25	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	22
GN 114.7-8-30	8	30	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	24
GN 114.7-8-35	8	35	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	25
GN 114.7-8-40	8	40	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	27
GN 114.7-8-45	8	45	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	29
GN 114.7-8-50	8	50	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	30
GN 114.7-8-60	8	60	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	34
GN 114.7-8-70	8	70	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	37
GN 114.7-8-80	8	80	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	40
GN 114.7-8-90	8	90	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	44
GN 114.7-8-100	8	100	2.8	0.6	9.8	7.9	15	40	8.4	22	15.5	28	47
GN 114.7-10-15	10	15	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	31
GN 114.7-10-20	10	20	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	33
GN 114.7-10-25	10	25	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	36
GN 114.7-10-30	10	30	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	38
GN 114.7-10-35	10	35	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	40
GN 114.7-10-40	10	40	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	43
GN 114.7-10-45	10	45	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	45
GN 114.7-10-50	10	50	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	47
GN 114.7-10-60	10	60	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	52
GN 114.7-10-70	10	70	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	56
GN 114.7-10-80	10	80	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	61
GN 114.7-10-90	10	90	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	65
GN 114.7-10-100	10	100	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	70
GN 114.7-10-110	10	110	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	75
GN 114.7-10-120	10	120	3.3	1	11.7	9.9	18	48	9.8	27.5	20	38	79
GN 114.7-12-20	12	20	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	41
GN 114.7-12-25	12	25	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	45

GN 114.7

Description	d1 -0.1	l1 +0.4 Minimum size	a	b	d2	d3	d4	d5	l2	l3	m	Load capacity F in kN ≈	
GN 114.7-12-30	12	30	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	48
GN 114.7-12-35	12	35	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	52
GN 114.7-12-40	12	40	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	56
GN 114.7-12-45	12	45	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	59
GN 114.7-12-50	12	50	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	63
GN 114.7-12-60	12	60	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	70
GN 114.7-12-70	12	70	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	78
GN 114.7-12-80	12	80	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	85
GN 114.7-12-90	12	90	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	92
GN 114.7-12-100	12	100	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	100
GN 114.7-12-110	12	110	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	107
GN 114.7-12-120	12	120	3.8	1	13.7	11.9	18	48	11.3	27.5	20	61	115
GN 114.7-16-30	16	30	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	95
GN 114.7-16-35	16	35	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	101
GN 114.7-16-40	16	40	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	108
GN 114.7-16-45	16	45	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	115
GN 114.7-16-50	16	50	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	122
GN 114.7-16-60	16	60	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	135
GN 114.7-16-70	16	70	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	149
GN 114.7-16-80	16	80	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	162
GN 114.7-16-90	16	90	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	176
GN 114.7-16-100	16	100	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	190
GN 114.7-16-110	16	110	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	203
GN 114.7-16-120	16	120	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	217
GN 114.7-16-130	16	130	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	230
GN 114.7-16-140	16	140	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	244
GN 114.7-16-150	16	150	4.8	1.2	18.7	15.9	22	58	14.2	34.5	27	113	257
GN 114.7-20-30	20	30	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	133
GN 114.7-20-35	20	35	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	145
GN 114.7-20-40	20	40	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	156
GN 114.7-20-45	20	45	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	167
GN 114.7-20-50	20	50	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	178
GN 114.7-20-60	20	60	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	201
GN 114.7-20-70	20	70	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	223
GN 114.7-20-80	20	80	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	245
GN 114.7-20-90	20	90	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	268
GN 114.7-20-100	20	100	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	290
GN 114.7-20-110	20	110	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	312
GN 114.7-20-120	20	120	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	335
GN 114.7-20-130	20	130	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	357
GN 114.7-20-140	20	140	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	380
GN 114.7-20-150	20	150	4.8	1.2	22.7	19.8	25	58	14.8	34.5	27	187	402