

Locking Pins

Steel, with Axial Lock (Pawl)

SPECIFICATION

- Pin
- Steel
- zinc plated, blue passivated
- Pawl
- Stainless Steel sheet metal AISI 304
- Lifting ring
- Stainless Steel AISI 301
- Push button / Slide
- Plastic
- temperature resistant up to 80 °C
- Push button red
- Spring
- Stainless Steel AISI 301

INFORMATION

Locking pins with axial lock GN 214.2 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 replaced 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 version with swivelling lifting ring is ideal for the use in confined spaces. 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.

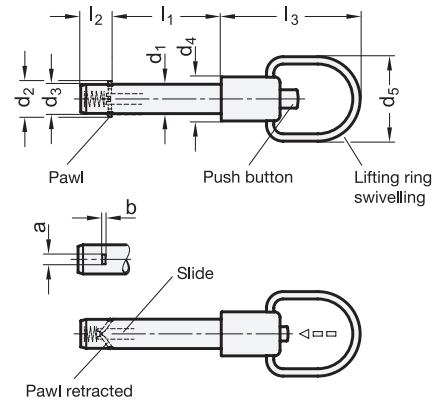
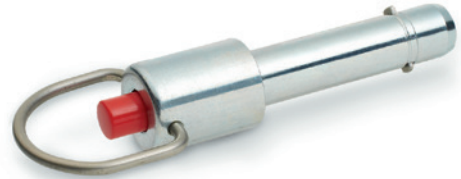
- Range of locking pins (see page 868)

ACCESSORY

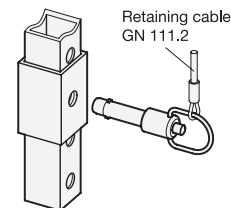
- Ball chains GN 111 (see page 904)
- Stainless Steel-Ball chains GN 111.5 (see page 905)
- Retaining cables GN 111.2 (see page 906)
- Spiral retaining cables GN 111.4 (see page 908)

TECHNICAL INFORMATION

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




Application example



GN 214.2

Description	d1 -0.1	l1 +0.4	a	b	d2	d3	d4	d5	l2	l3	Load in kN ≈ Double sided shearing resistance according DIN 50141 (Breaking strength)	⚖️
GN 214.2-6-10	6	10	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	18
GN 214.2-6-12	6	12	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	18
GN 214.2-6-16	6	16	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	18
GN 214.2-6-20	6	20	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	19
GN 214.2-6-25	6	25	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	20
GN 214.2-6-30	6	30	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	21
GN 214.2-6-35	6	35	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	22
GN 214.2-6-40	6	40	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	23
GN 214.2-6-45	6	45	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	23
GN 214.2-6-50	6	50	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	24
GN 214.2-6-60	6	60	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	25
GN 214.2-6-70	6	70	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	30
GN 214.2-6-80	6	80	2.3	0.5	7.5+0.5	5.9	12	23	7	38	14	31
GN 214.2-8-10	8	10	2.8	0.6	10+0.5	7.9	12	23	8.4	38	28	20

GN 214.2

Description	d1 -0.1	l1 +0.4	a	b	d2	d3	d4	d5	l2	l3	Load in kN ≈ Double sided shearing resistance according DIN 50141 (Breaking strength)	
												
GN 214.2-8-16	8	16	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	21
GN 214.2-8-20	8	20	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	22
GN 214.2-8-25	8	25	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	24
GN 214.2-8-30	8	30	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	25
GN 214.2-8-35	8	35	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	27
GN 214.2-8-40	8	40	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	27
GN 214.2-8-45	8	45	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	29
GN 214.2-8-50	8	50	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	32
GN 214.2-8-60	8	60	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	38
GN 214.2-8-70	8	70	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	43
GN 214.2-8-80	8	80	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	47
GN 214.2-8-90	8	90	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	49
GN 214.2-8-100	8	100	2.8	0.6	10 +0.5	7.9	12	23	8.4	38	28	51
GN 214.2-10-15	10	15	3.3	1	12 +1	9.9	16	28	9.8	42	38	40
GN 214.2-10-20	10	20	3.3	1	12 +1	9.9	16	28	9.8	42	38	41
GN 214.2-10-25	10	25	3.3	1	12 +1	9.9	16	28	9.8	42	38	43
GN 214.2-10-30	10	30	3.3	1	12 +1	9.9	16	28	9.8	42	38	45
GN 214.2-10-35	10	35	3.3	1	12 +1	9.9	16	28	9.8	42	38	47
GN 214.2-10-40	10	40	3.3	1	12 +1	9.9	16	28	9.8	42	38	50
GN 214.2-10-45	10	45	3.3	1	12 +1	9.9	16	28	9.8	42	38	52
GN 214.2-10-50	10	50	3.3	1	12 +1	9.9	16	28	9.8	42	38	54
GN 214.2-10-60	10	60	3.3	1	12 +1	9.9	16	28	9.8	42	38	59
GN 214.2-10-70	10	70	3.3	1	12 +1	9.9	16	28	9.8	42	38	62
GN 214.2-10-80	10	80	3.3	1	12 +1	9.9	16	28	9.8	42	38	70
GN 214.2-10-90	10	90	3.3	1	12 +1	9.9	16	28	9.8	42	38	75
GN 214.2-10-100	10	100	3.3	1	12 +1	9.9	16	28	9.8	42	38	80
GN 214.2-10-110	10	110	3.3	1	12 +1	9.9	16	28	9.8	42	38	85
GN 214.2-10-120	10	120	3.3	1	12 +1	9.9	16	28	9.8	42	38	89
GN 214.2-12-20	12	20	3.8	1	14 +1	11.9	16	28	11.3	42	61	50
GN 214.2-12-25	12	25	3.8	1	14 +1	11.9	16	28	11.3	42	61	52
GN 214.2-12-30	12	30	3.8	1	14 +1	11.9	16	28	11.3	42	61	56
GN 214.2-12-35	12	35	3.8	1	14 +1	11.9	16	28	11.3	42	61	60
GN 214.2-12-40	12	40	3.8	1	14 +1	11.9	16	28	11.3	42	61	63
GN 214.2-12-45	12	45	3.8	1	14 +1	11.9	16	28	11.3	42	61	67
GN 214.2-12-50	12	50	3.8	1	14 +1	11.9	16	28	11.3	42	61	71
GN 214.2-12-60	12	60	3.8	1	14 +1	11.9	16	28	11.3	42	61	77
GN 214.2-12-70	12	70	3.8	1	14 +1	11.9	16	28	11.3	42	61	85
GN 214.2-12-80	12	80	3.8	1	14 +1	11.9	16	28	11.3	42	61	93
GN 214.2-12-90	12	90	3.8	1	14 +1	11.9	16	28	11.3	42	61	102
GN 214.2-12-100	12	100	3.8	1	14 +1	11.9	16	28	11.3	42	61	109
GN 214.2-12-110	12	110	3.8	1	14 +1	11.9	16	28	11.3	42	61	116
GN 214.2-12-120	12	120	3.8	1	14 +1	11.9	16	28	11.3	42	113	123
GN 214.2-16-30	16	30	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	102
GN 214.2-16-35	16	35	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	109
GN 214.2-16-40	16	40	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	115
GN 214.2-16-45	16	45	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	121
GN 214.2-16-50	16	50	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	128
GN 214.2-16-60	16	60	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	142
GN 214.2-16-70	16	70	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	156
GN 214.2-16-80	16	80	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	169
GN 214.2-16-90	16	90	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	180
GN 214.2-16-100	16	100	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	200
GN 214.2-16-110	16	110	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	210
GN 214.2-16-120	16	120	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	225
GN 214.2-16-130	16	130	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	240
GN 214.2-16-140	16	140	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	255
GN 214.2-16-150	16	150	4.8	1.2	19 +1	15.9	20	32	14.2	46.5	113	270



Indexing elements