



Indexing and positioning elements

PIN AND PUSH BUTTON

AlSi 630 stainless steel.

BALLS

AlSi 420C stainless steel.

SPRING

Stainless steel.

KNOB

Glass-fibre reinforced polyamide based (PA) technopolymer, black and red colour, provided with holes for security ring

WORKING TEMPERATURE

From -30°C to +80°C.

FEATURES AND APPLICATIONS

GN 113.6 ball lock pins are generally used for quick fixation or connection of parts to be machined, in particular for elements which need to be removed and reset continuously.

ACCESSORIES ON REQUEST

To optimise the use of these ball lock pins, have been designed:

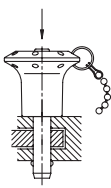
- ball chains GN 111 (see page 611);
- retaining cables GN 111.2 (see page 612);
- spiral retaining cables GN 111.4 (see page 613).

INSTRUCTIONS OF USE

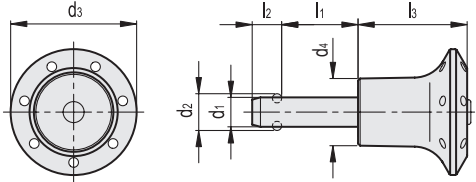
By pressing the push button the two balls are freed and the pin can be pulled-out or inserted.



Application example



Conversion Table	
1 mm = 0.039 inch	
d1	
mm	inch
5	0.20
6	0.24
8	0.31
10	0.39
12	0.47
16	0.63



Code	Description	d1-0.04-0.08	d2	d3	d4	l1+0.6	l2±0.2	l3-0.2	Mounting hole H11	Double sided shearing force [KN]	△
GN.38051	GN 113.6-5-10	5	5.5	30	16	10	6	26	5	24	17
GN.38053	GN 113.6-5-15	5	5.5	30	16	15	6	26	5	24	18
GN.38055	GN 113.6-5-20	5	5.5	30	16	20	6	26	5	24	18
GN.38057	GN 113.6-5-25	5	5.5	30	16	25	6	26	5	24	20
GN.38059	GN 113.6-5-30	5	5.5	30	16	30	6	26	5	24	20
GN.77701	GN 113.6-5-35	5	5.5	30	16	35	6	26	5	24	20
GN.77702	GN 113.6-5-40	5	5.5	30	16	40	6	26	5	24	20
GN.77703	GN 113.6-5-45	5	5.5	30	16	45	6	26	5	24	20
GN.77704	GN 113.6-5-50	5	5.5	30	16	50	6	26	5	24	20
GN.77705	GN 113.6-5-60	5	5.5	30	16	60	6	26	5	24	20
GN.77706	GN 113.6-5-70	5	5.5	30	16	70	6	26	5	24	20
GN.77707	GN 113.6-5-80	5	5.5	30	16	80	6	26	5	24	20
GN.38061	GN 113.6-6-10	6	7	30	16	10	7.1	26	6	35	20
GN.38062	GN 113.6-6-15	6	7	30	16	15	7.1	26	6	35	19
GN.38063	GN 113.6-6-20	6	7	30	16	20	7.1	26	6	35	20
GN.38065	GN 113.6-6-25	6	7	30	16	25	7.1	26	6	35	20
GN.38067	GN 113.6-6-30	6	7	30	16	30	7.1	26	6	35	20
GN.77711	GN 113.6-6-35	6	7	30	16	35	7.1	26	6	35	20
GN.38069	GN 113.6-6-40	6	7	30	16	40	7.1	26	6	35	24
GN.77712	GN 113.6-6-45	6	7	30	16	45	7.1	26	6	35	20
GN.77713	GN 113.6-6-50	6	7	30	16	50	7.1	26	6	35	20
GN.77714	GN 113.6-6-60	6	7	30	16	60	7.1	26	6	35	20
GN.77715	GN 113.6-6-70	6	7	30	16	70	7.1	26	6	35	20
GN.77716	GN 113.6-6-80	6	7	30	16	80	7.1	26	6	35	20

Conversion Table

1 mm = 0.039 inch

d1

mm

inch

5

0.20

6

0.24

8

0.31

10

0.39

12

0.47

16

0.63

INOX

STAINLESS STEEL

METRIC

Code	Description	d1 -0.04 -0.08	d2	d3	d4	l1 +0.6	l2 ±0.2	l3 -0.2	Mounting hole H11	Double sided shearing force [KN]	
GN.77721	GN 113.6-8-10	8	9.5	35	19	10	8.2	32.5	8	63	42
GN.77722	GN 113.6-8-15	8	9.5	35	19	15	8.2	32.5	8	63	42
GN.38071	GN 113.6-8-20	8	9.5	35	19	20	8.2	32.5	8	63	42
GN.38072	GN 113.6-8-25	8	9.5	35	19	25	8.2	32.5	8	63	40
GN.38073	GN 113.6-8-30	8	9.5	35	19	30	8.2	32.5	8	63	46
GN.77723	GN 113.6-8-35	8	9.5	35	19	35	8.2	32.5	8	63	46
GN.38074	GN 113.6-8-40	8	9.5	35	19	40	8.2	32.5	8	63	50
GN.77724	GN 113.6-8-45	8	9.5	35	19	45	8.2	32.5	8	63	46
GN.38075	GN 113.6-8-50	8	9.5	35	19	50	8.2	32.5	8	63	60
GN.77725	GN 113.6-8-60	8	9.5	35	19	60	8.2	32.5	8	63	46
GN.77726	GN 113.6-8-70	8	9.5	35	19	70	8.2	32.5	8	63	46
GN.77727	GN 113.6-8-80	8	9.5	35	19	80	8.2	32.5	8	63	46
GN.77728	GN 113.6-8-90	8	9.5	35	19	90	8.2	32.5	8	63	46
GN.77729	GN 113.6-8-100	8	9.5	35	19	100	8.2	32.5	8	63	46
GN.77731	GN 113.6-10-15	10	12	35	19	15	9.6	32.5	10	100	49
GN.38076	GN 113.6-10-20	10	12	35	19	20	9.6	32.5	10	100	49
GN.38077	GN 113.6-10-25	10	12	35	19	25	9.6	32.5	10	100	50
GN.38078	GN 113.6-10-30	10	12	35	19	30	9.6	32.5	10	100	54
GN.77732	GN 113.6-10-35	10	12	35	19	35	9.6	32.5	10	100	54
GN.38079	GN 113.6-10-40	10	12	35	19	40	9.6	32.5	10	100	60
GN.77733	GN 113.6-10-45	10	12	35	19	45	9.6	32.5	10	100	54
GN.38080	GN 113.6-10-50	10	12	35	19	50	9.6	32.5	10	100	60
GN.77734	GN 113.6-10-60	10	12	35	19	60	9.6	32.5	10	100	54
GN.77735	GN 113.6-10-70	10	12	35	19	70	9.6	32.5	10	100	54
GN.77736	GN 113.6-10-80	10	12	35	19	80	9.6	32.5	10	100	54
GN.77737	GN 113.6-10-90	10	12	35	19	90	9.6	32.5	10	100	54
GN.77738	GN 113.6-10-100	10	12	35	19	100	9.6	32.5	10	100	54
GN.77739	GN 113.6-10-110	10	12	35	19	110	9.6	32.5	10	100	54
GN.77740	GN 113.6-10-120	10	12	35	19	120	9.6	32.5	10	100	54
GN.77751	GN 113.6-12-20	12	14.5	42	25	20	10.6	39	12	144	98
GN.38081	GN 113.6-12-25	12	14.5	42	25	25	10.6	39	12	144	98
GN.38083	GN 113.6-12-30	12	14.5	42	25	30	10.6	39	12	144	100
GN.77752	GN 113.6-12-35	12	14.5	42	25	35	10.6	39	12	144	100
GN.38085	GN 113.6-12-40	12	14.5	42	25	40	10.6	39	12	144	120
GN.77753	GN 113.6-12-45	12	14.5	42	25	45	10.6	39	12	144	100
GN.38087	GN 113.6-12-50	12	14.5	42	25	50	10.6	39	12	144	120
GN.38089	GN 113.6-12-60	12	14.5	42	25	60	10.6	39	12	144	120
GN.77754	GN 113.6-12-70	12	14.5	42	25	70	10.6	39	12	144	100
GN.77755	GN 113.6-12-80	12	14.5	42	25	80	10.6	39	12	144	100
GN.77756	GN 113.6-12-90	12	14.5	42	25	90	10.6	39	12	144	100
GN.77757	GN 113.6-12-100	12	14.5	42	25	100	10.6	39	12	144	100
GN.77758	GN 113.6-12-110	12	14.5	42	25	110	10.6	39	12	144	100
GN.77759	GN 113.6-12-120	12	14.5	42	25	120	10.6	39	12	144	100
GN.38091	GN 113.6-16-30	16	19	42	25	30	14	39	16	257	135
GN.77761	GN 113.6-16-35	16	19	42	25	35	14	39	16	257	135
GN.38093	GN 113.6-16-40	16	19	42	25	40	14	39	16	257	140
GN.77762	GN 113.6-16-45	16	19	42	25	45	14	39	16	257	135
GN.38095	GN 113.6-16-50	16	19	42	25	50	14	39	16	257	166
GN.38097	GN 113.6-16-60	16	19	42	25	60	14	39	16	257	180
GN.77763	GN 113.6-16-70	16	19	42	25	70	14	39	16	257	135
GN.77764	GN 113.6-16-80	16	19	42	25	80	14	39	16	257	135
GN.77765	GN 113.6-16-90	16	19	42	25	90	14	39	16	257	135
GN.77766	GN 113.6-16-100	16	19	42	25	100	14	39	16	257	135
GN.77767	GN 113.6-16-110	16	19	42	25	110	14	39	16	257	135
GN.77768	GN 113.6-16-120	16	19	42	25	120	14	39	16	257	135
GN.77769	GN 113.6-16-130	16	19	42	25	130	14	39	16	257	135
GN.77770	GN 113.6-16-140	16	19	42	25	140	14	39	16	257	135
GN.77771	GN 113.6-16-150	16	19	42	25	150	14	39	16	257	135