



Indexing and positioning elements

PIN AND PUSH BUTTON

AlSi 303 stainless steel.

BALLS

AlSi 420C stainless steel.

SPRING

Stainless steel.

ROUND HANDLE

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 113.5 ball lock pins are generally used for quick fixation of components or 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).

SPECIAL EXECUTIONS ON REQUEST

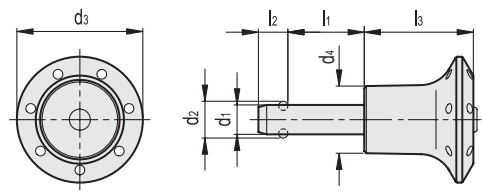
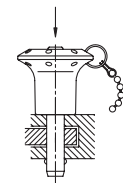
Other dimensions.

INSTRUCTIONS OF USE

By pressing the push button the two balls are freed by exerting a radial retaining action which allows the pin to be engaged or disengaged.



Application example



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.37951	GN 113.5-5-10	5	5.5	30	16	10	6	26	5	14	17
GN.37952	GN 113.5-5-15	5	5.5	30	16	15	6	26	5	14	20
GN.37953	GN 113.5-5-20	5	5.5	30	16	20	6	26	5	14	20
GN.37954	GN 113.5-5-25	5	5.5	30	16	25	6	26	5	14	20
GN.37955	GN 113.5-5-30	5	5.5	30	16	30	6	26	5	14	20
GN.77601	GN 113.5-5-35	5	5.5	30	16	35	6	26	5	14	20
GN.77602	GN 113.5-5-40	5	5.5	30	16	40	6	26	5	14	20
GN.77603	GN 113.5-5-45	5	5.5	30	16	45	6	26	5	14	20
GN.77604	GN 113.5-5-50	5	5.5	30	16	50	6	26	5	14	20
GN.77605	GN 113.5-5-60	5	5.5	30	16	60	6	26	5	14	20
GN.77606	GN 113.5-5-70	5	5.5	30	16	70	6	26	5	14	20
GN.77607	GN 113.5-5-80	5	5.5	30	16	80	6	26	5	14	20
GN.37956	GN 113.5-6-10	6	7	30	16	10	7.1	26	6	21	20
GN.37957	GN 113.5-6-15	6	7	30	16	15	7.1	26	6	21	19
GN.37958	GN 113.5-6-20	6	7	30	16	20	7.1	26	6	21	20
GN.37959	GN 113.5-6-25	6	7	30	16	25	7.1	26	6	21	20
GN.37960	GN 113.5-6-30	6	7	30	16	30	7.1	26	6	21	23
GN.77611	GN 113.5-6-35	6	7	30	16	35	7.1	26	6	21	23
GN.37961	GN 113.5-6-40	6	7	30	16	40	7.1	26	6	21	25
GN.77612	GN 113.5-6-45	6	7	30	16	45	7.1	26	6	21	23
GN.77613	GN 113.5-6-50	6	7	30	16	50	7.1	26	6	21	23
GN.77614	GN 113.5-6-60	6	7	30	16	60	7.1	26	6	21	23
GN.77615	GN 113.5-6-70	6	7	30	16	70	7.1	26	6	21	23
GN.77616	GN 113.5-6-80	6	7	30	16	80	7.1	26	6	21	23

INOX STAINLESS STEEL

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.77621	GN 113.5-8-10	8	9.5	35	19	10	8.2	32.5	8	38	42
GN.77622	GN 113.5-8-15	8	9.5	35	19	15	8.2	32.5	8	38	42
GN.37962	GN 113.5-8-20	8	9.5	35	19	20	8.2	32.5	8	38	42
GN.37963	GN 113.5-8-25	8	9.5	35	19	25	8.2	32.5	8	38	44
GN.37964	GN 113.5-8-30	8	9.5	35	19	30	8.2	32.5	8	38	50
GN.77623	GN 113.5-8-35	8	9.5	35	19	35	8.2	32.5	8	38	50
GN.37965	GN 113.5-8-40	8	9.5	35	19	40	8.2	32.5	8	38	54
GN.77624	GN 113.5-8-45	8	9.5	35	19	45	8.2	32.5	8	38	50
GN.37966	GN 113.5-8-50	8	9.5	35	19	50	8.2	32.5	8	38	54
GN.77625	GN 113.5-8-60	8	9.5	35	19	60	8.2	32.5	8	38	50
GN.77626	GN 113.5-8-70	8	9.5	35	19	70	8.2	32.5	8	38	50
GN.77627	GN 113.5-8-80	8	9.5	35	19	80	8.2	32.5	8	38	50
GN.77628	GN 113.5-8-90	8	9.5	35	19	90	8.2	32.5	8	38	50
GN.77629	GN 113.5-8-100	8	9.5	35	19	100	8.2	32.5	8	38	50
GN.77631	GN 113.5-10-15	10	12	35	19	15	9.6	32.5	10	60	50
GN.37967	GN 113.5-10-20	10	12	35	19	20	9.6	32.5	10	60	50
GN.37968	GN 113.5-10-25	10	12	35	19	25	9.6	32.5	10	60	52
GN.37969	GN 113.5-10-30	10	12	35	19	30	9.6	32.5	10	60	55
GN.77632	GN 113.5-10-35	10	12	35	19	35	9.6	32.5	10	60	55
GN.37970	GN 113.5-10-40	10	12	35	19	40	9.6	32.5	10	60	61
GN.77633	GN 113.5-10-45	10	12	35	19	45	9.6	32.5	10	60	55
GN.37971	GN 113.5-10-50	10	12	35	19	50	9.6	32.5	10	60	60
GN.77634	GN 113.5-10-60	10	12	35	19	60	9.6	32.5	10	60	55
GN.77635	GN 113.5-10-70	10	12	35	19	70	9.6	32.5	10	60	55
GN.77636	GN 113.5-10-80	10	12	35	19	80	9.6	32.5	10	60	55
GN.77637	GN 113.5-10-90	10	12	35	19	90	9.6	32.5	10	60	55
GN.77638	GN 113.5-10-100	10	12	35	19	100	9.6	32.5	10	60	55
GN.77639	GN 113.5-10-110	10	12	35	19	110	9.6	32.5	10	60	55
GN.77640	GN 113.5-10-120	10	12	35	19	120	9.6	32.5	10	60	55
GN.77651	GN 113.5-12-20	12	14.5	42	25	20	10.6	39	12	87	100
GN.37972	GN 113.5-12-25	12	14.5	42	25	25	10.6	39	12	87	100
GN.37973	GN 113.5-12-30	12	14.5	42	25	30	10.6	39	12	87	100
GN.77652	GN 113.5-12-35	12	14.5	42	25	35	10.6	39	12	87	100
GN.37974	GN 113.5-12-40	12	14.5	42	25	40	10.6	39	12	87	100
GN.77653	GN 113.5-12-45	12	14.5	42	25	45	10.6	39	12	87	100
GN.37975	GN 113.5-12-50	12	14.5	42	25	50	10.6	39	12	87	120
GN.37976	GN 113.5-12-60	12	14.5	42	25	60	10.6	39	12	87	130
GN.77654	GN 113.5-12-70	12	14.5	42	25	70	10.6	39	12	87	100
GN.77655	GN 113.5-12-80	12	14.5	42	25	80	10.6	39	12	87	100
GN.77656	GN 113.5-12-90	12	14.5	42	25	90	10.6	39	12	87	100
GN.77657	GN 113.5-12-100	12	14.5	42	25	100	10.6	39	12	87	100
GN.77658	GN 113.5-12-110	12	14.5	42	25	110	10.6	39	12	87	100
GN.77659	GN 113.5-12-120	12	14.5	42	25	120	10.6	39	12	87	100
GN.37977	GN 113.5-16-30	16	19	42	25	30	14	39	16	155	140
GN.77661	GN 113.5-16-35	16	19	42	25	35	14	39	16	155	140
GN.37978	GN 113.5-16-40	16	19	42	25	40	14	39	16	155	151
GN.77662	GN 113.5-16-45	16	19	42	25	45	14	39	16	155	140
GN.37979	GN 113.5-16-50	16	19	42	25	50	14	39	16	155	170
GN.37980	GN 113.5-16-60	16	19	42	25	60	14	39	16	155	160
GN.77663	GN 113.5-16-70	16	19	42	25	70	14	39	16	155	140
GN.77664	GN 113.5-16-80	16	19	42	25	80	14	39	16	155	140
GN.77665	GN 113.5-16-90	16	19	42	25	90	14	39	16	155	140
GN.77666	GN 113.5-16-100	16	19	42	25	100	14	39	16	155	140
GN.77667	GN 113.5-16-110	16	19	42	25	110	14	39	16	155	140
GN.77668	GN 113.5-16-120	16	19	42	25	120	14	39	16	155	140
GN.77669	GN 113.5-16-130	16	19	42	25	130	14	39	16	155	140
GN.77670	GN 113.5-16-140	16	19	42	25	140	14	39	16	155	140
GN.77671	GN 113.5-16-150	16	19	42	25	150	14	39	16	155	140



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