

PIN AND PUSH BUTTON

AISI 303 stainless steel.

BALLS

AISI 420C stainless steel.

SPRING

AISI 631 stainless steel.

CYLINDRICAL BODY TO BE GRIPPED

Shaped for a safe grip, with groove for the assembly of a security ring and chain.

SECURITY RING (REMOVABLE)

Stainless steel.

MAX. WORKING TEMPERATURE

250°C.

FEATURES AND APPLICATIONS

GN 113.3 ball lock pins have very compact shape and dimensions. They are suitable for use in very limited areas and they 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).

SPECIAL EXECUTIONS ON REQUEST

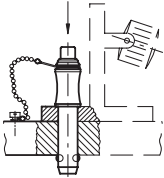
Other dimensions.

INSTRUCTIONS OF USE

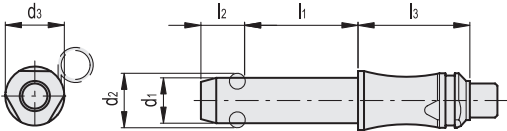
By pressing the push button the two balls are freed and the pin can be pulled-out or inserted.



Application example



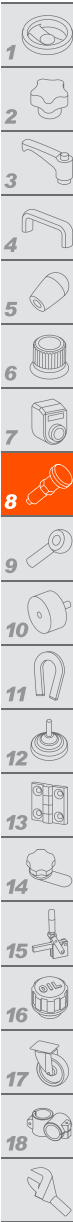
Conversion Table 1 mm = 0.039 inch	
d1	
mm	inch
5	0.20
6	0.24
8	0.31
10	0.39
12	0.47
16	0.63
20	0.79

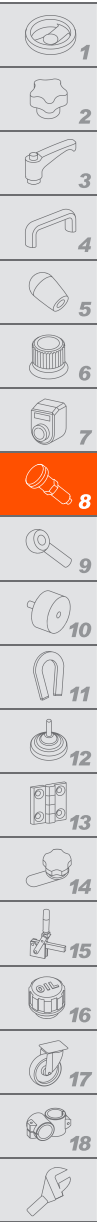


									INOX STAINLESS STEEL	METRIC
Code	Description	d1-0.04-0.08	d2	d3	l1+0.6	l2±1	l3+0.2	Mounting hole H11	Double sided shearing force [KN]	⚖
GN.37981	GN 113.3-5-10	5	5.5	10	10	6	22	5	14	17
GN.37982	GN 113.3-5-15	5	5.5	10	15	6	22	5	14	17
GN.37983	GN 113.3-5-20	5	5.5	10	20	6	22	5	14	17
GN.37984	GN 113.3-5-25	5	5.5	10	25	6	22	5	14	20
GN.77401	GN 113.3-5-30	5	5.5	10	30	6	22	5	14	17
GN.77402	GN 113.3-5-35	5	5.5	10	35	6	22	5	14	17
GN.77403	GN 113.3-5-40	5	5.5	10	40	6	22	5	14	17
GN.77404	GN 113.3-5-45	5	5.5	10	45	6	22	5	14	17
GN.77405	GN 113.3-5-50	5	5.5	10	50	6	22	5	14	17
GN.77406	GN 113.3-5-60	5	5.5	10	60	6	22	5	14	17
GN.77407	GN 113.3-5-70	5	5.5	10	70	6	22	5	14	17
GN.77408	GN 113.3-5-80	5	5.5	10	80	6	22	5	14	17
GN.38011	GN 113.3-6-10	6	7	10	10	7	22	6	21	29
GN.38012	GN 113.3-6-15	6	7	10	15	7	22	6	21	30
GN.38013	GN 113.3-6-20	6	7	10	20	7	22	6	21	31
GN.38014	GN 113.3-6-25	6	7	10	25	7	22	6	21	32
GN.38015	GN 113.3-6-30	6	7	10	30	7	22	6	21	33
GN.77411	GN 113.3-6-35	6	7	10	35	7	22	6	21	33
GN.38016	GN 113.3-6-40	6	7	10	40	7	22	6	21	35
GN.77412	GN 113.3-6-45	6	7	10	45	7	22	6	21	33
GN.77413	GN 113.3-6-50	6	7	10	50	7	22	6	21	33
GN.77414	GN 113.3-6-60	6	7	10	60	7	22	6	21	33
GN.77415	GN 113.3-6-70	6	7	10	70	7	22	6	21	33
GN.77416	GN 113.3-6-80	6	7	10	80	7	22	6	21	33

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8	0.31
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12	0.47
16	0.63
20	0.79

		INOX STAINLESS STEEL METRIC								
Code	Description	d1 -0.04 -0.08	d2	d3	l1 +0.6	l2 ±1	l3 +0.2	Mounting hole H11	Double sided shearing force [KN]	⚖
GN.77421	GN 113.3-8-10	8	9.5	14	10	8.2	27	8	38	35
GN.77422	GN 113.3-8-15	8	9.5	14	15	8.2	27	8	38	35
GN.38021	GN 113.3-8-20	8	9.5	14	20	8.2	27	8	38	35
GN.38022	GN 113.3-8-25	8	9.5	14	25	8.2	27	8	38	37
GN.38023	GN 113.3-8-30	8	9.5	14	30	8.2	27	8	38	38
GN.77423	GN 113.3-8-35	8	9.5	14	35	8.2	27	8	38	35
GN.38025	GN 113.3-8-40	8	9.5	14	40	8.2	27	8	38	42
GN.77424	GN 113.3-8-45	8	9.5	14	45	8.2	27	8	38	35
GN.77425	GN 113.3-8-60	8	9.5	14	60	8.2	27	8	38	35
GN.38027	GN 113.3-8-50	8	9.5	14	50	8.2	27	8	38	46
GN.77426	GN 113.3-8-70	8	9.5	14	70	8.2	27	8	38	35
GN.77427	GN 113.3-8-80	8	9.5	14	80	8.2	27	8	38	35
GN.77428	GN 113.3-8-90	8	9.5	14	90	8.2	27	8	38	35
GN.77429	GN 113.3-8-100	8	9.5	14	100	8.2	27	8	38	35
GN.77431	GN 113.3-10-15	10	12	14	15	9.6	27	10	60	72
GN.38031	GN 113.3-10-20	10	12	14	20	9.6	27	10	60	72
GN.38032	GN 113.3-10-25	10	12	14	25	9.6	27	10	60	75
GN.38033	GN 113.3-10-30	10	12	14	30	9.6	27	10	60	78
GN.77432	GN 113.3-10-35	10	12	14	35	9.6	27	10	60	72
GN.38035	GN 113.3-10-40	10	12	14	40	9.6	27	10	60	84
GN.77433	GN 113.3-10-45	10	12	14	45	9.6	27	10	60	72
GN.38037	GN 113.3-10-50	10	12	14	50	9.6	27	10	60	90
GN.77434	GN 113.3-10-60	10	12	14	60	9.6	27	10	60	72
GN.77435	GN 113.3-10-70	10	12	14	70	9.6	27	10	60	72
GN.77436	GN 113.3-10-80	10	12	14	80	9.6	27	10	60	72
GN.77437	GN 113.3-10-90	10	12	14	90	9.6	27	10	60	72
GN.77438	GN 113.3-10-100	10	12	14	100	9.6	27	10	60	72
GN.77439	GN 113.3-10-110	10	12	14	110	9.6	27	10	60	72
GN.77440	GN 113.3-10-120	10	12	14	120	9.6	27	10	60	72
GN.77451	GN 113.3-12-20	12	14.5	20	20	10.6	32	12	87	86
GN.38041	GN 113.3-12-25	12	14.5	20	25	10.6	32	12	87	86
GN.38042	GN 113.3-12-30	12	14.5	20	30	10.6	32	12	87	90
GN.77452	GN 113.3-12-35	12	14.5	20	35	10.6	32	12	87	86
GN.38044	GN 113.3-12-40	12	14.5	20	40	10.6	32	12	87	98
GN.77453	GN 113.3-12-45	12	14.5	20	45	10.6	32	12	87	86
GN.38046	GN 113.3-12-50	12	14.5	20	50	10.6	32	12	87	107
GN.38047	GN 113.3-12-60	12	14.5	20	60	10.6	32	12	87	115
GN.77454	GN 113.3-12-70	12	14.5	20	70	10.6	32	12	87	86
GN.77455	GN 113.3-12-80	12	14.5	20	80	10.6	32	12	87	86
GN.77456	GN 113.3-12-90	12	14.5	20	90	10.6	32	12	87	86
GN.77457	GN 113.3-12-100	12	14.5	20	100	10.6	32	12	87	86
GN.77458	GN 113.3-12-110	12	14.5	20	110	10.6	32	12	87	86
GN.77459	GN 113.3-12-120	12	14.5	20	120	10.6	32	12	87	86





Conversion Table	
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8	0.31
10	0.39
12	0.47
16	0.63
20	0.79
25	0.98

METRIC INOX STAINLESS STEEL

Code	Description	d1 -0.04 -0.08	d2	d3	l1 +0.6	l2 ±1	l3 +0.2	Mounting hole H11	Double sided shearing force [KN]	⚖
GN.37985	GN 113.3-16-30	16	19	20	30	14	32	16	155	120
GN.77461	GN 113.3-16-35	16	19	20	35	14	32	16	155	120
GN.37986	GN 113.3-16-40	16	19	20	40	14	32	16	155	130
GN.77462	GN 113.3-16-45	16	19	20	45	14	32	16	155	120
GN.37987	GN 113.3-16-50	16	19	20	50	14	32	16	155	160
GN.37988	GN 113.3-16-60	16	19	20	60	14	32	16	155	160
GN.77463	GN 113.3-16-70	16	19	20	70	14	32	16	155	120
GN.77464	GN 113.3-16-80	16	19	20	80	14	32	16	155	120
GN.77465	GN 113.3-16-90	16	19	20	90	14	32	16	155	120
GN.77466	GN 113.3-16-100	16	19	20	100	14	32	16	155	120
GN.77467	GN 113.3-16-110	16	19	20	110	14	32	16	155	120
GN.77468	GN 113.3-16-120	16	19	20	120	14	32	16	155	120
GN.77469	GN 113.3-16-130	16	19	20	130	14	32	16	155	120
GN.77470	GN 113.3-16-140	16	19	20	140	14	32	16	155	120
GN.77471	GN 113.3-16-150	16	19	20	150	14	32	16	155	120
GN.77481	GN 113.3-20-50	20	25	28	50	20.5	39	20	244	323
GN.37989	GN 113.3-20-60	20	25	28	60	20.5	39	20	244	323
GN.77482	GN 113.3-20-70	20	25	28	70	20.5	39	20	244	323
GN.37990	GN 113.3-20-80	20	25	28	80	20.5	39	20	244	350
GN.77483	GN 113.3-20-90	20	25	28	90	20.5	39	20	244	323
GN.37991	GN 113.3-20-100	20	25	28	100	20.5	39	20	244	420
GN.77484	GN 113.3-20-110	20	25	28	110	20.5	39	20	244	323
GN.77485	GN 113.3-20-120	20	25	28	120	20.5	39	20	244	323
GN.77486	GN 113.3-20-130	20	25	28	130	20.5	39	20	244	323
GN.77487	GN 113.3-20-140	20	25	28	140	20.5	39	20	244	323
GN.77488	GN 113.3-20-150	20	25	28	150	20.5	39	20	244	323
GN.77491	GN 113.3-25-50	25	30.8	28	50	22	39	25	244	323
GN.77492	GN 113.3-25-60	25	30.8	28	60	22	39	25	244	323
GN.77493	GN 113.3-25-70	25	30.8	28	70	22	39	25	244	323
GN.77494	GN 113.3-25-80	25	30.8	28	80	22	39	25	244	323
GN.77495	GN 113.3-25-90	25	30.8	28	90	22	39	25	244	323
GN.77496	GN 113.3-25-100	25	30.8	28	100	22	39	25	244	323
GN.77497	GN 113.3-25-110	25	30.8	28	110	22	39	25	244	323
GN.77498	GN 113.3-25-120	25	30.8	28	120	22	39	25	244	323
GN.77499	GN 113.3-25-130	25	30.8	28	130	22	39	25	244	323
GN.77500	GN 113.3-25-140	25	30.8	28	140	22	39	25	244	323
GN.77501	GN 113.3-25-150	25	30.8	28	150	22	39	25	244	323