

GN 124.2 | Ball lock pins

Stainless steel



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

PIN

AISI 303 stainless steel.

BALLS

AISI 420C stainless steel.

d1 = 6 - 8: one ball.

d1 = 10 - 12: two balls.

SPRING

AISI 631 stainless steel.

KNOB

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

WORKING TEMPERATURE

From -30°C to +80°C.

FEATURES AND APPLICATIONS

The two balls of GN 124.2 are not provided with a locking mechanism but they are kept in position simply by a spring. This is the reason why their tensile strength is lower compared to those of GN 113.6 and GN 113.3.

GN 124.2 balls 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 inserted continuously.

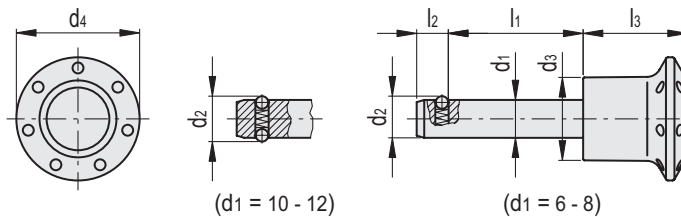
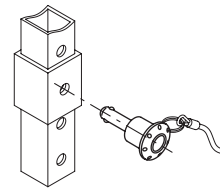
ACCESSORIES ON REQUEST

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).



Application example



Code	Description	d1-0.04-0.08	d2	d3	d4	l1	l2	l3	Mounting hole	Axial holding force [N]*	Double sided shearing force [kN]#	⚖
GN.17503	GN 124.2-6-10	6	6.5	17.5	26	10	5	22	6	8	22	13
GN.17505	GN 124.2-6-15	6	6.5	17.5	26	15	5	22	6	8	22	15
GN.17507	GN 124.2-6-20	6	6.5	17.5	26	20	5	22	6	8	22	16
GN.17509	GN 124.2-6-25	6	6.5	17.5	26	25	5	22	6	8	22	16
GN.17511	GN 124.2-6-30	6	6.5	17.5	26	30	5	22	6	8	22	19
GN.17513	GN 124.2-6-50	6	6.5	17.5	26	50	5	22	6	8	22	16
GN.17525	GN 124.2-8-15	8	8.7	17.5	26	15	6.3	22	8	15	40	19
GN.17527	GN 124.2-8-20	8	8.7	17.5	26	20	6.3	22	8	15	40	16
GN.17529	GN 124.2-8-25	8	8.7	17.5	26	25	6.3	22	8	15	40	20
GN.17531	GN 124.2-8-30	8	8.7	17.5	26	30	6.3	22	8	15	40	25
GN.17533	GN 124.2-8-50	8	8.7	17.5	26	50	6.3	22	8	15	40	35
GN.17545	GN 124.2-10-15	10	12	23	34	15	8.7	28.5	10	30	62	39
GN.17547	GN 124.2-10-20	10	12	23	34	20	8.7	28.5	10	30	62	42
GN.17549	GN 124.2-10-25	10	12	23	34	25	8.7	28.5	10	30	62	45
GN.17551	GN 124.2-10-30	10	12	23	34	30	8.7	28.5	10	30	62	48
GN.17553	GN 124.2-10-50	10	12	23	34	50	8.7	28.5	10	30	62	59
GN.17567	GN 124.2-12-20	12	14.5	23	34	20	9.5	28.5	12	32	90	51
GN.17569	GN 124.2-12-30	12	14.5	23	34	30	9.5	28.5	12	32	90	59
GN.17571	GN 124.2-12-40	12	14.5	23	34	40	9.5	28.5	12	32	90	68
GN.17573	GN 124.2-12-50	12	14.5	23	34	50	9.5	28.5	12	32	90	75

* The axial holding force values reported in the table are the results of laboratory tests at ambient temperature. They represent 50% of the average of the actual values.

The double sided shear force values reported in the table should be treated as guidelines only since no safety factor is considered.

Indexing and positioning elements