

Indexing and positioning elements

PIN
Zinc-plated steel

PAWLS
Stainless Steel AISI 304

SPRING
AISI 301 stainless steel.

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

BUTTON
Polyamide based (PA) technopolymer, red colour, glossy finish.

WORKING TEMPERATURE
From -20°C to +80°C.

FEATURES AND APPLICATIONS
GN 114.2 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.

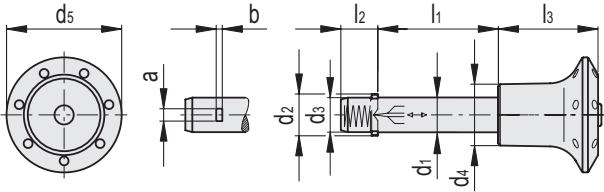
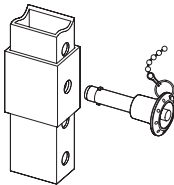
ACCESSORIES
To optimise the use of these lock pins, have been designed:
- ball chains GN 111 (see page 611);
- retaining cables GN 111.2 (see page 612);
- spiral retaining cables GN 111.4 (see page 613).

SPECIAL EXECUTIONS ON REQUEST
Other dimensions.

INSTRUCTIONS OF USE
By pressing the push button the two pawls are freed and the pin can be pulled-out or inserted.



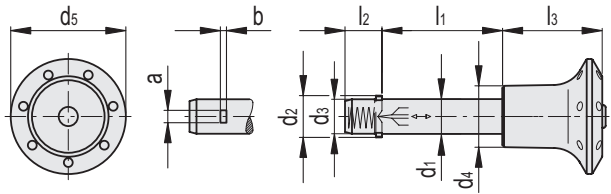
Application example



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

METRIC

Code	Description	d1 -0.1	d2	d3	d4	d5	l1 +0.4	l2	l3	a	b	Double sided shearing force [KN]	
GN.38715	GN 114.2-6-10	6	7.3 +0.5	5.9	15	30	10	7	21	2.3	0.5	14	12
GN.78201	GN 114.2-6-12	6	7.3 +0.5	5.9	15	30	12	7	21	2.3	0.5	14	12
GN.38716	GN 114.2-6-16	6	7.3 +0.5	5.9	15	30	16	7	21	2.3	0.5	14	13
GN.38717	GN 114.2-6-20	6	7.3 +0.5	5.9	15	30	20	7	21	2.3	0.5	14	14
GN.38718	GN 114.2-6-25	6	7.3 +0.5	5.9	15	30	25	7	21	2.3	0.5	14	14
GN.38719	GN 114.2-6-30	6	7.3 +0.5	5.9	15	30	30	7	21	2.3	0.5	14	15
GN.78202	GN 114.2-6-35	6	7.3 +0.5	5.9	15	30	35	7	21	2.3	0.5	14	16
GN.38720	GN 114.2-6-40	6	7.3 +0.5	5.9	15	30	40	7	21	2.3	0.5	14	17
GN.78203	GN 114.2-6-45	6	7.3 +0.5	5.9	15	30	45	7	21	2.3	0.5	14	18
GN.78204	GN 114.2-6-50	6	7.3 +0.5	5.9	15	30	50	7	21	2.3	0.5	14	18
GN.78205	GN 114.2-6-60	6	7.3 +0.5	5.9	15	30	60	7	21	2.3	0.5	14	23
GN.78206	GN 114.2-6-70	6	7.3 +0.5	5.9	15	30	70	7	21	2.3	0.5	14	23
GN.78207	GN 114.2-6-80	6	7.3 +0.5	5.9	15	30	80	7	21	2.3	0.5	14	27
GN.78211	GN 114.2-8-10	8	9.8 +0.5	7.9	15	30	10	8.4	21	2.8	0.6	28	26
GN.78212	GN 114.2-8-16	8	9.8 +0.5	7.9	15	30	16	8.4	21	2.8	0.6	28	16
GN.38721	GN 114.2-8-20	8	9.8 +0.5	7.9	15	30	20	8.4	21	2.8	0.6	28	25
GN.38723	GN 114.2-8-25	8	9.8 +0.5	7.9	15	30	25	8.4	21	2.8	0.6	28	27
GN.38725	GN 114.2-8-30	8	9.8 +0.5	7.9	15	30	30	8.4	21	2.8	0.6	28	21
GN.78213	GN 114.2-8-35	8	9.8 +0.5	7.9	15	30	35	8.4	21	2.8	0.6	28	29
GN.38727	GN 114.2-8-40	8	9.8 +0.5	7.9	15	30	40	8.4	21	2.8	0.6	28	32
GN.78214	GN 114.2-8-45	8	9.8 +0.5	7.9	15	30	45	8.4	21	2.8	0.6	28	34
GN.38729	GN 114.2-8-50	8	9.8 +0.5	7.9	15	30	50	8.4	21	2.8	0.6	28	35
GN.78215	GN 114.2-8-60	8	9.8 +0.5	7.9	15	30	60	8.4	21	2.8	0.6	28	41
GN.78216	GN 114.2-8-70	8	9.8 +0.5	7.9	15	30	70	8.4	21	2.8	0.6	28	47
GN.78217	GN 114.2-8-80	8	9.8 +0.5	7.9	15	30	80	8.4	21	2.8	0.6	28	50
GN.78218	GN 114.2-8-90	8	9.8 +0.5	7.9	15	30	90	8.4	21	2.8	0.6	28	52
GN.78219	GN 114.2-8-100	8	9.8 +0.5	7.9	15	30	100	8.4	21	2.8	0.6	28	54

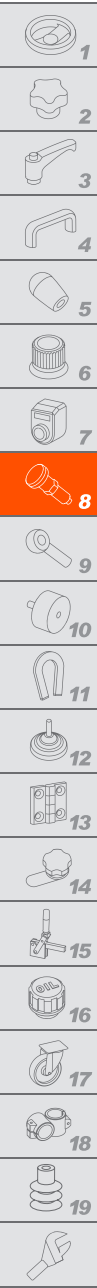


METRIC

Code	Description	d1 -0.1	d2	d3	d4	d5	l1 +0.4	l2	l3	a	b	Double sided shearing force [KN]	
GN.78231	GN 114.2-10-15	10	11.7 +1	9.9	18	34	15	9.8	26	3.3	1	38	24
GN.38731	GN 114.2-10-20	10	11.7 +1	9.9	18	34	20	9.8	26	3.3	1	38	26
GN.38733	GN 114.2-10-25	10	11.7 +1	9.9	18	34	25	9.8	26	3.3	1	38	28
GN.38735	GN 114.2-10-30	10	11.7 +1	9.9	18	34	30	9.8	26	3.3	1	38	31
GN.78232	GN 114.2-10-35	10	11.7 +1	9.9	18	34	35	9.8	26	3.3	1	38	33
GN.38737	GN 114.2-10-40	10	11.7 +1	9.9	18	34	40	9.8	26	3.3	1	38	35
GN.78233	GN 114.2-10-45	10	11.7 +1	9.9	18	34	45	9.8	26	3.3	1	38	37
GN.38739	GN 114.2-10-50	10	11.7 +1	9.9	18	34	50	9.8	26	3.3	1	38	39
GN.78234	GN 114.2-10-60	10	11.7 +1	9.9	18	34	60	9.8	26	3.3	1	38	44
GN.78235	GN 114.2-10-70	10	11.7 +1	9.9	18	34	70	9.8	26	3.3	1	38	49
GN.78236	GN 114.2-10-80	10	11.7 +1	9.9	18	34	80	9.8	26	3.3	1	38	54
GN.78237	GN 114.2-10-90	10	11.7 +1	9.9	18	34	90	9.8	26	3.3	1	38	60
GN.78238	GN 114.2-10-100	10	11.7 +1	9.9	18	34	100	9.8	26	3.3	1	38	63
GN.78239	GN 114.2-10-110	10	11.7 +1	9.9	18	34	110	9.8	26	3.3	1	38	67
GN.78240	GN 114.2-10-120	10	11.7 +1	9.9	18	34	120	9.8	26	3.3	1	38	73
GN.78251	GN 114.2-12-20	12	13.7 +1	11.9	18	34	20	11.3	26	3.8	1	61	33
GN.38741	GN 114.2-12-25	12	13.7 +1	11.9	18	34	25	11.3	26	3.8	1	61	37
GN.38743	GN 114.2-12-30	12	13.7 +1	11.9	18	34	30	11.3	26	3.8	1	61	41
GN.78252	GN 114.2-12-35	12	13.7 +1	11.9	18	34	35	11.3	26	3.8	1	61	44
GN.38745	GN 114.2-12-40	12	13.7 +1	11.9	18	34	40	11.3	26	3.8	1	61	48
GN.78253	GN 114.2-12-45	12	13.7 +1	11.9	18	34	45	11.3	26	3.8	1	61	51
GN.38747	GN 114.2-12-50	12	13.7 +1	11.9	18	34	50	11.3	26	3.8	1	61	55
GN.38749	GN 114.2-12-60	12	13.7 +1	11.9	18	34	60	11.3	26	3.8	1	61	62
GN.78254	GN 114.2-12-70	12	13.7 +1	11.9	18	34	70	11.3	26	3.8	1	61	69
GN.78255	GN 114.2-12-80	12	13.7 +1	11.9	18	34	80	11.3	26	3.8	1	61	76
GN.78256	GN 114.2-12-90	12	13.7 +1	11.9	18	34	90	11.3	26	3.8	1	61	90
GN.78257	GN 114.2-12-100	12	13.7 +1	11.9	18	34	100	11.3	26	3.8	1	61	95
GN.78258	GN 114.2-12-110	12	13.7 +1	11.9	18	34	110	11.3	26	3.8	1	61	102
GN.78259	GN 114.2-12-120	12	13.7 +1	11.9	18	34	120	11.3	26	3.8	1	61	112
GN.38790	GN 114.2-16-30	16	18.7 +1	15.9	22	40	30	14.2	32	4.8	1.2	113	78
GN.38791	GN 114.2-16-35	16	18.7 +1	15.9	22	40	35	14.2	32	4.8	1.2	113	85
GN.78271	GN 114.2-16-40	16	18.7 +1	15.9	22	40	40	14.2	32	4.8	1.2	113	92
GN.78272	GN 114.2-16-45	16	18.7 +1	15.9	22	40	45	14.2	32	4.8	1.2	113	85
GN.38792	GN 114.2-16-50	16	18.7 +1	15.9	22	40	50	14.2	32	4.8	1.2	113	104
GN.38793	GN 114.2-16-60	16	18.7 +1	15.9	22	40	60	14.2	32	4.8	1.2	113	118
GN.38794	GN 114.2-16-70	16	18.7 +1	15.9	22	40	70	14.2	32	4.8	1.2	113	133
GN.78273	GN 114.2-16-80	16	18.7 +1	15.9	22	40	80	14.2	32	4.8	1.2	113	144
GN.78274	GN 114.2-16-90	16	18.7 +1	15.9	22	40	90	14.2	32	4.8	1.2	113	147
GN.78275	GN 114.2-16-100	16	18.7 +1	15.9	22	40	100	14.2	32	4.8	1.2	113	173
GN.78276	GN 114.2-16-110	16	18.7 +1	15.9	22	40	110	14.2	32	4.8	1.2	113	186
GN.78277	GN 114.2-16-120	16	18.7 +1	15.9	22	40	120	14.2	32	4.8	1.2	113	199
GN.78278	GN 114.2-16-130	16	18.7 +1	15.9	22	40	130	14.2	32	4.8	1.2	113	213
GN.78279	GN 114.2-16-140	16	18.7 +1	15.9	22	40	140	14.2	32	4.8	1.2	113	226
GN.78280	GN 114.2-16-150	16	18.7 +1	15.9	22	40	150	14.2	32	4.8	1.2	113	239

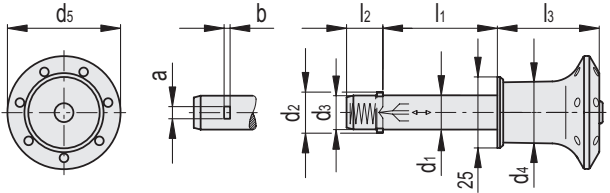


Indexing and positioning elements



Indexing and positioning elements

Conversion Table			
1 mm = 0.039 inch			
d1			
mm	inch	mm	inch
6	0.24	12	0.47
8	0.31	16	0.63
10	0.39	20	0.78



METRIC

Code	Description	d1 -0.1	d2	d3	d4	d5	l1 +0.4	l2	l3	a	b	Double sided shearing	
												force [KN]	
GN.38941	GN 114.2-20-30	20	22.7 +1	19.8	22	40	30	14.8	33	4.8	1.2	187	125
GN.38942	GN 114.2-20-35	20	22.7 +1	19.8	22	40	35	14.8	33	4.8	1.2	187	136
GN.38943	GN 114.2-20-40	20	22.7 +1	19.8	22	40	40	14.8	33	4.8	1.2	187	147
GN.78291	GN 114.2-20-45	20	22.7 +1	19.8	22	40	45	14.8	33	4.8	1.2	187	158
GN.38944	GN 114.2-20-50	20	22.7 +1	19.8	22	40	50	14.8	33	4.8	1.2	187	169
GN.38945	GN 114.2-20-60	20	22.7 +1	19.8	22	40	60	14.8	33	4.8	1.2	187	191
GN.38946	GN 114.2-20-70	20	22.7 +1	19.8	22	40	70	14.8	33	4.8	1.2	187	214
GN.38947	GN 114.2-20-80	20	22.7 +1	19.8	22	40	80	14.8	33	4.8	1.2	187	234
GN.78292	GN 114.2-20-90	20	22.7 +1	19.8	22	40	90	14.8	33	4.8	1.2	187	258
GN.78293	GN 114.2-20-100	20	22.7 +1	19.8	22	40	100	14.8	33	4.8	1.2	187	277
GN.78294	GN 114.2-20-110	20	22.7 +1	19.8	22	40	110	14.8	33	4.8	1.2	187	302
GN.78295	GN 114.2-20-120	20	22.7 +1	19.8	22	40	120	14.8	33	4.8	1.2	187	326
GN.78296	GN 114.2-20-130	20	22.7 +1	19.8	22	40	130	14.8	33	4.8	1.2	187	350
GN.78297	GN 114.2-20-140	20	22.7 +1	19.8	22	40	140	14.8	33	4.8	1.2	187	368
GN.78298	GN 114.2-20-150	20	22.7 +1	19.8	22	40	150	14.8	33	4.8	1.2	187	395