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PIN

Zinc-plated steel, blue passivated

PAWLS

Stainless Steel AISI 304

SPRING

Stainless steel AISI 302

L-HANDLE

Glass-fibre reinforced polyamide-based technopolymer (PA), black colour with mounting holes for coupling ring.
Working temperature up to 80°.

BUTTON

Acetal-based technopolymer (POM), red colour.
Working temperature up to 80°.

FEATURES AND APPLICATIONS

GN 114.11 lock pins with axial locking are used to quickly fix, connect and secure various components. They are generally used as support bolts when frequent disassembly and reassembly is required.

The rectangular pawls made of stainless steel sheet keep the lock pin in the axial position in the hole. They are retracted by pressing the button and, once released, the compression spring returns them to the locked position. The pawls are not aligned with the L-handle.

ACCESSORIES

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

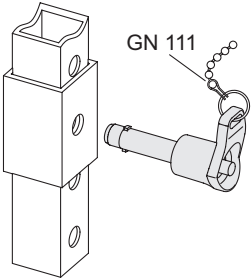
- ball chains GN 111 (see page 611);
- retaining cables GN 111.2 (see page 612);
- spiral retaining cables GN 111.4 (see page 613).

INSTRUCTIONS OF USE

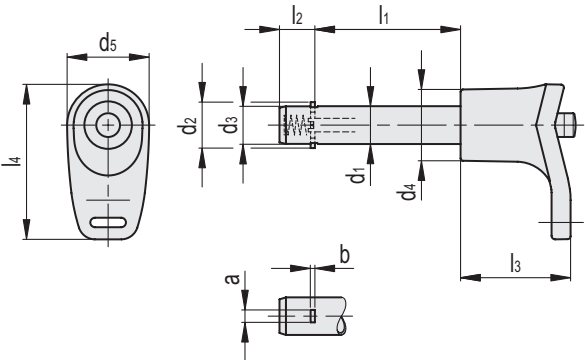
By pressing the push button the two pawls are freed and the pin can be pulled-out or inserted.



Application example



Conversion Table	
1 mm = 0.039 inch	
d1	
mm	inch
6	0.23
8	0.31
10	0.39

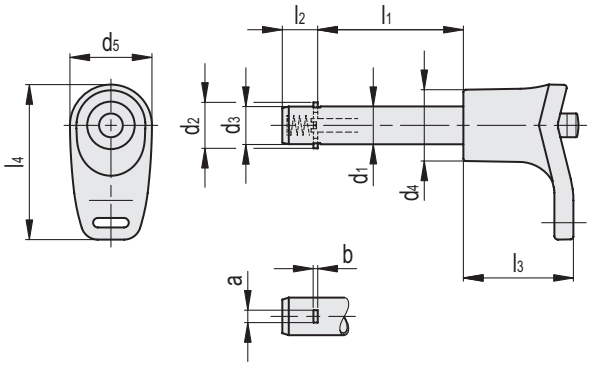
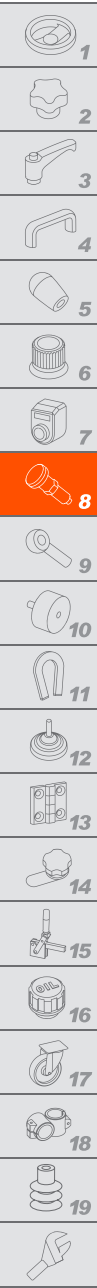


METRIC

Code	Description	d1 -0.1	d2	d3	d4	d5	l1 +0.4	l2	l3	l4	a	b	Double sided shearing force [KN]	
GN.80231	GN 114.11-6-10	6	7.3	5.9	15	17.5	10	7	23	32.5	2.3	0.5	14	36
GN.80232	GN 114.11-6-12	6	7.3	5.9	15	17.5	12	7	23	32.5	2.3	0.5	14	37
GN.80233	GN 114.11-6-16	6	7.3	5.9	15	17.5	16	7	23	32.5	2.3	0.5	14	38
GN.80234	GN 114.11-6-20	6	7.3	5.9	15	17.5	20	7	23	32.5	2.3	0.5	14	39
GN.80235	GN 114.11-6-25	6	7.3	5.9	15	17.5	25	7	23	32.5	2.3	0.5	14	40
GN.80236	GN 114.11-6-30	6	7.3	5.9	15	17.5	30	7	23	32.5	2.3	0.5	14	41
GN.80237	GN 114.11-6-35	6	7.3	5.9	15	17.5	35	7	23	32.5	2.3	0.5	14	42
GN.80238	GN 114.11-6-40	6	7.3	5.9	15	17.5	40	7	23	32.5	2.3	0.5	14	43
GN.80239	GN 114.11-6-45	6	7.3	5.9	15	17.5	45	7	23	32.5	2.3	0.5	14	44
GN.80240	GN 114.11-6-50	6	7.3	5.9	15	17.5	50	7	23	32.5	2.3	0.5	14	45
GN.80241	GN 114.11-6-60	6	7.3	5.9	15	17.5	60	7	23	32.5	2.3	0.5	14	46
GN.80242	GN 114.11-6-70	6	7.3	5.9	15	17.5	70	7	23	32.5	2.3	0.5	14	47
GN.80243	GN 114.11-6-80	6	7.3	5.9	15	17.5	80	7	23	32.5	2.3	0.5	14	48
GN.80251	GN 114.11-8-10	8	9.8	7.9	15	17.5	10	8.4	23	32.5	2.8	0.6	28	17
GN.80252	GN 114.11-8-16	8	9.8	7.9	15	17.5	16	8.4	23	32.5	2.8	0.6	28	19
GN.80253	GN 114.11-8-20	8	9.8	7.9	15	17.5	20	8.4	23	32.5	2.8	0.6	28	20
GN.80254	GN 114.11-8-25	8	9.8	7.9	15	17.5	25	8.4	23	32.5	2.8	0.6	28	22
GN.80255	GN 114.11-8-30	8	9.8	7.9	15	17.5	30	8.4	23	32.5	2.8	0.6	28	24
GN.80256	GN 114.11-8-35	8	9.8	7.9	15	17.5	35	8.4	23	32.5	2.8	0.6	28	25
GN.80257	GN 114.11-8-40	8	9.8	7.9	15	17.5	40	8.4	23	32.5	2.8	0.6	28	27
GN.80258	GN 114.11-8-45	8	9.8	7.9	15	17.5	45	8.4	23	32.5	2.8	0.6	28	29
GN.80259	GN 114.11-8-50	8	9.8	7.9	15	17.5	50	8.4	23	32.5	2.8	0.6	28	30
GN.80260	GN 114.11-8-60	8	9.8	7.9	15	17.5	60	8.4	23	32.5	2.8	0.6	28	34
GN.80261	GN 114.11-8-70	8	9.8	7.9	15	17.5	70	8.4	23	32.5	2.8	0.6	28	37
GN.80262	GN 114.11-8-80	8	9.8	7.9	15	17.5	80	8.4	23	32.5	2.8	0.6	28	40
GN.80263	GN 114.11-8-90	8	9.8	7.9	15	17.5	90	8.4	23	32.5	2.8	0.6	28	44
GN.80264	GN 114.11-8-100	8	9.8	7.9	15	17.5	100	8.4	23	32.5	2.8	0.6	28	47
GN.80271	GN 114.11-10-15	10	11.7	9.9	18	23	15	9.8	30.5	43.5	3.3	1	38	31
GN.80272	GN 114.11-10-20	10	11.7	9.9	18	23	20	9.8	30.5	43.5	3.3	1	38	34
GN.80273	GN 114.11-10-25	10	11.7	9.9	18	23	25	9.8	30.5	43.5	3.3	1	38	36
GN.80274	GN 114.11-10-30	10	11.7	9.9	18	23	30	9.8	30.5	43.5	3.3	1	38	38
GN.80275	GN 114.11-10-35	10	11.7	9.9	18	23	35	9.8	30.5	43.5	3.3	1	38	41
GN.80276	GN 114.11-10-40	10	11.7	9.9	18	23	40	9.8	30.5	43.5	3.3	1	38	43
GN.80277	GN 114.11-10-45	10	11.7	9.9	18	23	45	9.8	30.5	43.5	3.3	1	38	45
GN.80278	GN 114.11-10-50	10	11.7	9.9	18	23	50	9.8	30.5	43.5	3.3	1	38	48
GN.80279	GN 114.11-10-60	10	11.7	9.9	18	23	60	9.8	30.5	43.5	3.3	1	38	52
GN.80280	GN 114.11-10-70	10	11.7	9.9	18	23	70	9.8	30.5	43.5	3.3	1	38	57
GN.80281	GN 114.11-10-80	10	11.7	9.9	18	23	80	9.8	30.5	43.5	3.3	1	38	61
GN.80282	GN 114.11-10-90	10	11.7	9.9	18	23	90	9.8	30.5	43.5	3.3	1	38	66
GN.80283	GN 114.11-10-100	10	11.7	9.9	18	23	100	9.8	30.5	43.5	3.3	1	38	71
GN.80284	GN 114.11-10-110	10	11.7	9.9	18	23	110	9.8	30.5	43.5	3.3	1	38	75
GN.80285	GN 114.11-10-120	10	11.7	9.9	18	23	120	9.8	30.5	43.5	3.3	1	38	80



Indexing and positioning elements



Conversion Table	
1 mm = 0.039 inch	
d1	
mm	inch
12	0.47
16	0.62
20	0.78

METRIC

Code	Description	d1 -0.1	d2	d3	d4	d5	l1 +0.4	l2	l3	l4	a	b	Double sided shearing force [KN]	⚖
GN.80291	GN 114.11-12-20	12	13.7	11.9	18	23	20	11.3	30.5	43.5	3.8	1	61	42
GN.80292	GN 114.11-12-25	12	13.7	11.9	18	23	25	11.3	30.5	43.5	3.8	1	61	45
GN.80293	GN 114.11-12-30	12	13.7	11.9	18	23	30	11.3	30.5	43.5	3.8	1	61	49
GN.80294	GN 114.11-12-35	12	13.7	11.9	18	23	35	11.3	30.5	43.5	3.8	1	61	53
GN.80295	GN 114.11-12-40	12	13.7	11.9	18	23	40	11.3	30.5	43.5	3.8	1	61	56
GN.80296	GN 114.11-12-45	12	13.7	11.9	18	23	45	11.3	30.5	43.5	3.8	1	61	60
GN.80297	GN 114.11-12-50	12	13.7	11.9	18	23	50	11.3	30.5	43.5	3.8	1	61	64
GN.80298	GN 114.11-12-60	12	13.7	11.9	18	23	60	11.3	30.5	43.5	3.8	1	61	71
GN.80299	GN 114.11-12-70	12	13.7	11.9	18	23	70	11.3	30.5	43.5	3.8	1	61	78
GN.80300	GN 114.11-12-80	12	13.7	11.9	18	23	80	11.3	30.5	43.5	3.8	1	61	86
GN.80301	GN 114.11-12-90	12	13.7	11.9	18	23	90	11.3	30.5	43.5	3.8	1	61	93
GN.80302	GN 114.11-12-100	12	13.7	11.9	18	23	100	11.3	30.5	43.5	3.8	1	61	100
GN.80303	GN 114.11-12-110	12	13.7	11.9	18	23	110	11.3	30.5	43.5	3.8	1	61	108
GN.80304	GN 114.11-12-120	12	13.7	11.9	18	23	120	11.3	30.5	43.5	3.8	1	61	115
GN.80311	GN 114.11-16-30	16	18.7	15.9	22	30.5	30	14.2	38.5	58	4.8	1.2	113	97
GN.80312	GN 114.11-16-35	16	18.7	15.9	22	30.5	35	14.2	38.5	58	4.8	1.2	113	104
GN.80313	GN 114.11-16-40	16	18.7	15.9	22	30.5	40	14.2	38.5	58	4.8	1.2	113	111
GN.80314	GN 114.11-16-45	16	18.7	15.9	22	30.5	45	14.2	38.5	58	4.8	1.2	113	118
GN.80315	GN 114.11-16-50	16	18.7	15.9	22	30.5	50	14.2	38.5	58	4.8	1.2	113	124
GN.80316	GN 114.11-16-60	16	18.7	15.9	22	30.5	60	14.2	38.5	58	4.8	1.2	113	138
GN.80317	GN 114.11-16-70	16	18.7	15.9	22	30.5	70	14.2	38.5	58	4.8	1.2	113	152
GN.80318	GN 114.11-16-80	16	18.7	15.9	22	30.5	80	14.2	38.5	58	4.8	1.2	113	165
GN.80319	GN 114.11-16-90	16	18.7	15.9	22	30.5	90	14.2	38.5	58	4.8	1.2	113	179
GN.80320	GN 114.11-16-100	16	18.7	15.9	22	30.5	100	14.2	38.5	58	4.8	1.2	113	192
GN.80321	GN 114.11-16-110	16	18.7	15.9	22	30.5	110	14.2	38.5	58	4.8	1.2	113	206
GN.80322	GN 114.11-16-120	16	18.7	15.9	22	30.5	120	14.2	38.5	58	4.8	1.2	113	219
GN.80323	GN 114.11-16-130	16	18.7	15.9	22	30.5	130	14.2	38.5	58	4.8	1.2	113	233
GN.80324	GN 114.11-16-140	16	18.7	15.9	22	30.5	140	14.2	38.5	58	4.8	1.2	113	247
GN.80325	GN 114.11-16-150	16	18.7	15.9	22	30.5	150	14.2	38.5	58	4.8	1.2	113	260
GN.80331	GN 114.11-20-30	20	22.7	19.8	25	30.5	30	14.8	38.5	58	4.8	1.2	187	136
GN.80332	GN 114.11-20-35	20	22.7	19.8	25	30.5	35	14.8	38.5	58	4.8	1.2	187	147
GN.80333	GN 114.11-20-40	20	22.7	19.8	25	30.5	40	14.8	38.5	58	4.8	1.2	187	159
GN.80334	GN 114.11-20-45	20	22.7	19.8	25	30.5	45	14.8	38.5	58	4.8	1.2	187	170
GN.80335	GN 114.11-20-50	20	22.7	19.8	25	30.5	50	14.8	38.5	58	4.8	1.2	187	181
GN.80336	GN 114.11-20-60	20	22.7	19.8	25	30.5	60	14.8	38.5	58	4.8	1.2	187	203
GN.80337	GN 114.11-20-70	20	22.7	19.8	25	30.5	70	14.8	38.5	58	4.8	1.2	187	226
GN.80338	GN 114.11-20-80	20	22.7	19.8	25	30.5	80	14.8	38.5	58	4.8	1.2	187	248
GN.80339	GN 114.11-20-90	20	22.7	19.8	25	30.5	90	14.8	38.5	58	4.8	1.2	187	270
GN.80340	GN 114.11-20-100	20	22.7	19.8	25	30.5	100	14.8	38.5	58	4.8	1.2	187	293
GN.80341	GN 114.11-20-110	20	22.7	19.8	25	30.5	110	14.8	38.5	58	4.8	1.2	187	315
GN.80342	GN 114.11-20-120	20	22.7	19.8	25	30.5	120	14.8	38.5	58	4.8	1.2	187	338
GN.80343	GN 114.11-20-130	20	22.7	19.8	25	30.5	130	14.8	38.5	58	4.8	1.2	187	360
GN.80344	GN 114.11-20-140	20	22.7	19.8	25	30.5	140	14.8	38.5	58	4.8	1.2	187	382
GN.80345	GN 114.11-20-150	20	22.7	19.8	25	30.5	150	14.8	38.5	58	4.8	1.2	187	405

Indexing and positioning elements