

GN 617 | Indexing plungers

Steel or stainless steel



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THREADED BODY

GN 617: black-oxide steel.
GN 617-NI: AISI 303 stainless steel.

PLUNGER

GN 617: black-oxide steel with hardened end.
Suggested tolerance for matching hole = H7.
GN 617-NI: nickel-plated AISI 303 stainless steel.
Suggested tolerance for matching hole = H7.

LOCKING NUT

GN 617: black-oxide steel.
GN 617-NI: stainless steel.

KNOB

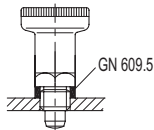
High-resilience polyamide based (PA) technopolymer, black colour, matte finish or AISI 303 stainless steel.

STANDARD EXECUTIONS

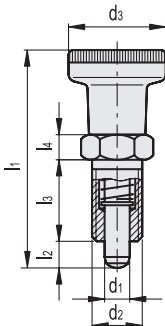
- **GN 617-A**: with knob, without locking nut.
 - **GN 617-AK**: with knob, with locking nut.
 - **GN 617-G**: without knob, without locking nut.
 - **GN 617-GK**: without knob, with locking nut.
- GN 617-G and GN 617-GK, without knob, are provided with threaded drive rod for combination with knobs on customer's request or to join the rod to an operating mechanism of the machine.
- **GN 617-A-NI**: with technopolymer knob, without locking nut.
 - **GN 617-AN-NI**: with AISI 303 stainless steel knob, without locking nut.
 - **GN 617-AK-NI**: with technopolymer knob, with locking nut.
 - **GN 617-AKN-NI**: with AISI 303 stainless steel knob, with locking nut.
 - **GN 617-G-NI**: without knob, without locking nut.
 - **GN 617-GK-NI**: without knob, with locking nut.
- GN 617-G-NI and GN 617-GK-NI, without knob, are provided with threaded drive rod for combination with knobs on customer's request or to join the rod to an operating mechanism of the machine.

ACCESSORIES ON REQUEST

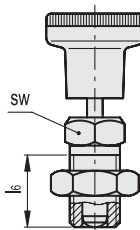
- AISI 303 stainless steel distance bushings GN 609.5 (see page 1030) for assembling the plunger on thin sheets.



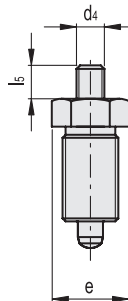
GN 617-A
GN 617-A-NI
GN 617-AN-NI



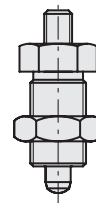
GN 617-AK
GN 617-AK-NI
GN 617-AKN-NI



GN 617-G
GN 617-G-NI



GN 617-GK
GN 617-GK-NI



Indexing and positioning elements

Conversion Table 1 mm = 0.039 inch	
d1	
mm	inch
5	0.20
6	0.24
8	0.31
10	0.39

GN 617

METRIC

Code	Description	d1											Spring preload [N]	Spring max load [N]		
		Plunger -0.02 -0.04 Hole H7	d2	d3	d4	e	l1	l2	l3	l4	l5	l6				sw
GN.35101	GN 617-5-A	5	M10x1	21	-	13.8	45	5	17	5	-	15	12	7	17	18
GN.35111	GN 617-6-A	6	M12x1.5	25	-	16.2	54.5	6	20	6	-	17	14	9	24	32
GN.35121	GN 617-8-A	8	M16x1.5	31	-	21.9	69	8	26	8	-	23	19	11	30	70
GN.35131	GN 617-10-A	10	M20x1.5	31	-	25.4	80	10	33	10	-	30	22	19	45	110
GN.35102	GN 617-5-AK	5	M10x1	21	-	13.8	45	5	17	5	-	15	12	7	17	24
GN.35112	GN 617-6-AK	6	M12x1.5	25	-	16.2	54.5	6	20	6	-	17	14	9	24	42
GN.35122	GN 617-8-AK	8	M16x1.5	31	-	21.9	69	8	26	8	-	23	19	11	30	90
GN.35132	GN 617-10-AK	10	M20x1.5	31	-	25.4	80	10	33	10	-	30	22	19	45	143
GN.35106	GN 617-5-G	5	M10x1	21	M5	13.8	45	5	17	5	6	15	12	7	17	15
GN.35116	GN 617-6-G	6	M12x1.5	25	M6	16.2	54.5	6	20	6	10	17	14	9	24	25
GN.35126	GN 617-8-G	8	M16x1.5	31	M8	21.9	69	8	26	8	12	23	19	11	30	53
GN.35136	GN 617-10-G	10	M20x1.5	31	M8	25.4	80	10	33	10	12	30	22	19	45	98
GN.35107	GN 617-5-GK	5	M10x1	21	M5	13.8	45	5	17	5	6	15	12	7	17	22
GN.35117	GN 617-6-GK	6	M12x1.5	25	M6	16.2	54.5	6	20	6	10	17	14	9	24	35
GN.35127	GN 617-8-GK	8	M16x1.5	31	M8	21.9	69	8	26	8	12	23	19	11	30	72
GN.35137	GN 617-10-GK	10	M20x1.5	31	M8	25.4	80	10	33	10	12	30	22	19	45	129

GN 617-NI

INOX STAINLESS STEEL

METRIC

Code	Description	d1											Spring preload [N]	Spring max load [N]		
		Plunger -0.02 -0.04 Hole H7	d2	d3	d4	e	l1	l2	l3	l4	l5	l6				sw
GN.35103	GN 617-5-A-NI	5	M10x1	21	-	13.8	45	5	17	5	-	15	12	6	15	20
GN.35113	GN 617-6-A-NI	6	M12x1.5	25	-	16.2	54.5	6	20	6	-	17	14	8	21	32
GN.35123	GN 617-8-A-NI	8	M16x1.5	31	-	21.9	69	8	26	8	-	23	19	9	26	70
GN.35133	GN 617-10-A-NI	10	M20x1.5	31	-	25.4	80	10	33	10	-	30	22	17	40	115
GN.35141	GN 617-5-AN-NI	5	M10x1	21	-	13.8	45	5	17	5	-	15	12	6	15	30
GN.35145	GN 617-6-AN-NI	6	M12x1.5	25	-	16.2	54.5	6	20	6	-	17	14	8	21	45
GN.35151	GN 617-8-AN-NI	8	M16x1.5	31	-	21.9	69	8	26	8	-	23	19	9	26	85
GN.35155	GN 617-10-AN-NI	10	M20x1.5	31	-	25.4	80	10	33	10	-	30	22	17	40	130
GN.35104	GN 617-5-AK-NI	5	M10x1	21	-	13.8	45	5	17	5	-	15	12	6	15	24
GN.35114	GN 617-6-AK-NI	6	M12x1.5	25	-	16.2	54.5	6	20	6	-	17	14	8	21	42
GN.35124	GN 617-8-AK-NI	8	M16x1.5	31	-	21.9	69	8	26	8	-	23	19	9	26	90
GN.35134	GN 617-10-AK-NI	10	M20x1.5	31	-	25.4	80	10	33	10	-	30	22	17	40	143
GN.35142	GN 617-5-AKN-NI	5	M10x1	21	-	13.8	45	5	17	5	-	15	12	6	15	34
GN.35146	GN 617-6-AKN-NI	6	M12x1.5	25	-	16.2	54.5	6	20	6	-	17	14	8	21	55
GN.35152	GN 617-8-AKN-NI	8	M16x1.5	31	-	21.9	69	8	26	8	-	23	19	9	26	107
GN.35156	GN 617-10-AKN-NI	10	M20x1.5	31	-	25.4	80	10	33	10	-	30	22	17	40	158
GN.35108	GN 617-5-G-NI	5	M10x1	21	M5	13.8	45	5	17	5	6	15	12	6	15	15
GN.35118	GN 617-6-G-NI	6	M12x1.5	25	M6	16.2	54.5	6	20	6	10	17	14	8	21	25
GN.35128	GN 617-8-G-NI	8	M16x1.5	31	M8	21.9	69	8	26	8	12	23	19	9	26	57
GN.35138	GN 617-10-G-NI	10	M20x1.5	31	M8	25.4	80	10	33	10	12	30	22	17	40	100
GN.35109	GN 617-5-GK-NI	5	M10x1	21	M5	13.8	45	5	17	5	6	15	12	6	15	22
GN.35119	GN 617-6-GK-NI	6	M12x1.5	25	M6	16.2	54.5	6	20	6	10	17	14	8	21	35
GN.35129	GN 617-8-GK-NI	8	M16x1.5	31	M8	21.9	69	8	26	8	12	23	19	9	26	77
GN.35139	GN 617-10-GK-NI	10	M20x1.5	31	M8	25.4	80	10	33	10	12	30	22	17	40	130



Indexing and positioning elements