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**THREADED BODY AND LOCKING NUT**

Black-oxide steel or AISI 303 stainless steel.

**PLUNGER**

Suggested tolerance for matching hole = H7.  
Black-oxide steel with hardened end or nickel-plated AISI 303 stainless steel.

**KNOB**

High-resilience polyamide based (PA) technopolymer, black colour, matte finish.

**SAFETY PUSH BUTTON**

High-resilience polyamide based (PA) technopolymer, RAL 3000 red colour, matte finish.

**STANDARD EXECUTIONS**

- **GN 414-A:** black-oxide steel, protruding plunger, without locking nut.
- **GN 414-AK:** black-oxide steel, protruding plunger, with locking nut.
- **GN 414-A-NI:** stainless steel, protruding plunger, without locking nut.
- **GN 414-AK-NI:** stainless steel, protruding plunger, with locking nut.
- **GN 414.1-A:** black-oxide steel, with retracted plunger, without locking nut.
- **GN 414.1-AK:** black-oxide steel, retracted plunger, with locking nut.
- **GN 414.1-A-NI:** stainless steel, retracted plunger, without locking nut.
- **GN 414.1-AK-NI:** stainless steel, retracted plunger, with locking nut.

**FEATURES AND APPLICATIONS**

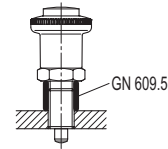
Indexing plungers with safety device are used when it is necessary to prevent any accidental movement of the plunger.

The plunger can be locked in the protruding position (GN 414) or in the retracted position (GN 414.1) and can only be unlocked by pushing the red safety button.

The locking is automatic when the final position has been reached. The locking mechanism is fully integrated with the operating button, malfunction caused by dirt or foreign objects are therefore excluded.

**ACCESSORIES ON REQUEST**

AISI 303 stainless steel distance bushings GN 609.5 (see page 906) for the assembly of the indexing plunger on thin sheets.

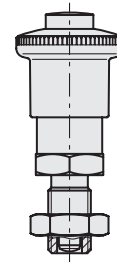
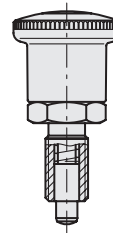
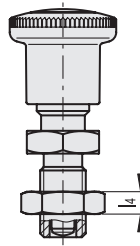
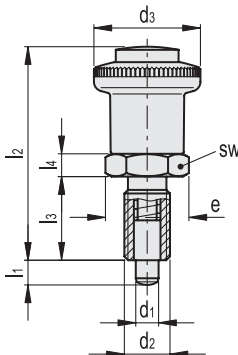


**GN 414-A  
GN 414-A-NI**

**GN 414-AK  
GN 414-AK-NI**

**GN 414.1-A  
GN 414.1-A-NI**

**GN 414.1-AK  
GN 414.1-AK-NI**



## GN 414-A - GN 414-AK

Code	Description	d1										Spring preload [N]	Spring max load [N]	Axial holding force [N]	⚖️
		Plunger -0.02-0.04 Hole H7	d2	d3	e	l1 min	l2	l3	l4	sw					
GN.26246	GN 414-6-6-A	6	M12x1.5	28	21.9	6	56	22	6	19	6.5	19	120	44	
GN.26249	GN 414-6-9-A	6	M12x1.5	28	21.9	9	56	22	6	19	6	25	120	45	
GN.26252	GN 414-8-8-A	8	M16x1.5	28	21.9	8	62	26	8	19	8.5	26	120	70	
GN.26255	GN 414-8-12-A	8	M16x1.5	28	21.9	12	62	26	8	19	8.5	28	120	72	
GN.26258	GN 414-10-12-A	10	M16x1.5	28	21.9	12	62	26	8	19	9.5	38	120	74	
GN.26261	GN 414-6-6-AK	6	M12x1.5	28	21.9	6	56	22	6	19	6.5	19	120	51	
GN.26264	GN 414-6-9-AK	6	M12x1.5	28	21.9	9	56	22	6	19	6	25	120	52	
GN.26267	GN 414-8-8-AK	8	M16x1.5	28	21.9	8	62	26	8	19	8.5	26	120	89	
GN.26270	GN 414-8-12-AK	8	M16x1.5	28	21.9	12	62	26	8	19	8.5	28	120	92	
GN.26273	GN 414-10-12-AK	10	M16x1.5	28	21.9	12	62	26	8	19	9.5	38	120	96	

## GN 414-A-NI - GN 414-AK-NI

INOX STAINLESS STEEL

Code	Description	d1										Spring preload [N]	Spring max load [N]	Axial holding force [N]	⚖️
		Plunger -0.02-0.04 Hole H7	d2	d3	e	l1 min	l2	l3	l4	sw					
GN.26436	GN 414-6-6-A-NI	6	M12x1.5	28	21.9	6	56	22	6	19	6.5	19	120	44	
GN.26437	GN 414-6-9-A-NI	6	M12x1.5	28	21.9	9	56	22	6	19	6	25	120	45	
GN.26438	GN 414-8-8-A-NI	8	M16x1.5	28	21.9	8	62	26	8	19	8.5	26	120	70	
GN.26439	GN 414-8-12-A-NI	8	M16x1.5	28	21.9	12	62	26	8	19	8.5	28	120	72	
GN.26440	GN 414-10-12-A-NI	10	M16x1.5	28	21.9	12	62	26	8	19	9.5	38	120	74	
GN.26431	GN 414-6-6-AK-NI	6	M12x1.5	28	21.9	6	56	22	6	19	6.5	19	120	51	
GN.26432	GN 414-6-9-AK-NI	6	M12x1.5	28	21.9	9	56	22	6	19	6	25	120	52	
GN.26433	GN 414-8-8-AK-NI	8	M16x1.5	28	21.9	8	62	26	8	19	8.5	26	120	89	
GN.26434	GN 414-8-12-AK-NI	8	M16x1.5	28	21.9	12	62	26	8	19	8.5	28	120	92	
GN.26435	GN 414-10-12-AK-NI	10	M16x1.5	28	21.9	12	62	26	8	19	9.5	38	120	96	

## GN 414.1-A - GN 414.1-AK

Code	Description	d1										Spring preload [N]	Spring max load [N]	⚖️
		Plunger -0.02-0.04 Hole H7	d2	d3	e	l1 min	l2	l3	l4	sw				
GN.25411	GN 414.1-6-6-A	6	M12x1.5	30	21.9	6	53.5	22	6	19	6.5	19	47	
GN.25412	GN 414.1-6-9-A	6	M12x1.5	30	21.9	9	53.5	22	6	19	6	25	48	
GN.25413	GN 414.1-8-8-A	8	M16x1.5	30	21.9	8	59.5	26	8	19	8.5	26	73	
GN.25414	GN 414.1-8-12-A	8	M16x1.5	30	21.9	12	59.5	26	8	19	8.5	28	75	
GN.25415	GN 414.1-10-12-A	10	M16x1.5	30	21.9	12	59.5	26	8	19	9.5	38	77	
GN.25431	GN 414.1-6-6-AK	6	M12x1.5	30	21.9	6	53.5	22	6	19	6.5	19	54	
GN.25432	GN 414.1-6-9-AK	6	M12x1.5	30	21.9	9	53.5	22	6	19	6	25	55	
GN.25433	GN 414.1-8-8-AK	8	M16x1.5	30	21.9	8	59.5	26	8	19	8.5	26	92	
GN.25434	GN 414.1-8-12-AK	8	M16x1.5	30	21.9	12	59.5	26	8	19	8.5	28	95	
GN.25435	GN 414.1-10-12-AK	10	M16x1.5	30	21.9	12	59.5	26	8	19	9.5	38	101	

## GN 414.1-A-NI - GN 414.1-AK-NI

INOX STAINLESS STEEL

Code	Description	d1										Spring preload [N]	Spring max load [N]	⚖️
		Plunger -0.02-0.04 Hole H7	d2	d3	e	l1 min	l2	l3	l4	sw				
GN.25421	GN 414.1-6-6-A-NI	6	M12x1.5	30	21.9	6	53.5	22	6	19	6.5	19	47	
GN.25422	GN 414.1-6-9-A-NI	6	M12x1.5	30	21.9	9	53.5	22	6	19	6	25	48	
GN.25423	GN 414.1-8-8-A-NI	8	M16x1.5	30	21.9	8	59.5	26	8	19	8.5	26	73	
GN.25424	GN 414.1-8-12-A-NI	8	M16x1.5	30	21.9	12	59.5	26	8	19	8.5	28	75	
GN.25425	GN 414.1-10-12-A-NI	10	M16x1.5	30	21.9	12	59.5	26	8	19	9.5	38	77	
GN.25441	GN 414.1-6-6-AK-NI	6	M12x1.5	30	21.9	6	53.5	22	6	19	6.5	19	54	
GN.25442	GN 414.1-6-9-AK-NI	6	M12x1.5	30	21.9	9	53.5	22	6	19	6	25	55	
GN.25443	GN 414.1-8-8-AK-NI	8	M16x1.5	30	21.9	8	59.5	26	8	19	8.5	26	92	
GN.25444	GN 414.1-8-12-AK-NI	8	M16x1.5	30	21.9	12	59.5	26	8	19	8.5	28	95	
GN.25445	GN 414.1-10-12-AK-NI	10	M16x1.5	30	21.9	12	59.5	26	8	19	9.5	38	101	