

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

THREADED BODY AND LOCKING NUT

AISI 303 stainless steel.

PLUNGER

Suggested tolerance for matching hole = H7.
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

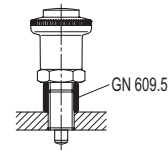
- **GN 414.1-A-NI**: without locking nut.
- **GN 414.1-AK-NI**: with locking nut.

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 retracted position 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.

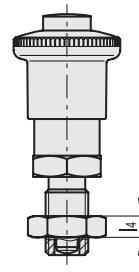
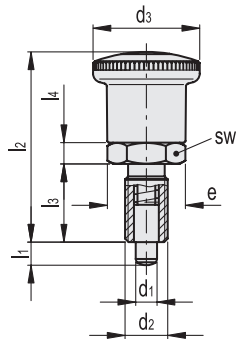
ACCESSORIES ON REQUEST

AISI 303 stainless steel distance bushings GN 609.5 (see page 562) for the assembly of the indexing plunger on thin sheets.



GN 414.1-A-NI

GN 414.1-AK-NI



Conversion Table	
1 mm = 0.039 inch	
d1	
mm	inch
6	0.24
8	0.31
19	0.39

GN 414.1-A-NI

Code	Description	d1		d2	d3	e	l1 min	l2	l3	l4	sw	Spring preload [N]	Spring max load [N]	⚖️
		Plunger -0.02 -0.04	Hole H7											
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 414.1-AK-NI

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

Indexing and positioning elements