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**THREADED BODY AND LOCKING NUT**

Black-oxide steel.

**PLUNGER**

Suggested tolerance for matching hole = H7.  
Black-oxide steel with hardened end.

**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**

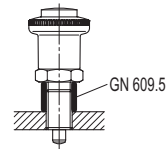
- GN 414-A: without locking nut.
- GN 414-AK: with locking nut.

**FEATURES AND APPLICATIONS**

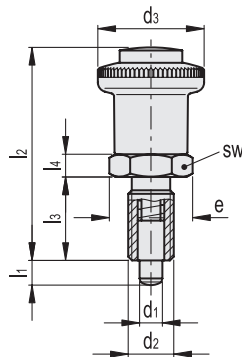
Indexing plungers with safety device are used when it is necessary to prevent any accidental movement of the plunger.  
The plunger can be locked in the protruding position and can only be unlocked by pushing the red safety button.  
The locking is automatic when the final position has been reached.  
The locking mechanism is fully integrated with the operating button, malfunction caused by dirt or foreign objects are therefore excluded.

**ACCESSORIES ON REQUEST**

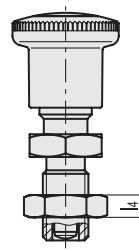
AISI 303 stainless steel distance bushings GN 609.5 (see page 562) for the assembly of the indexing plunger on thin sheets.



GN 414-A



GN 414-AK



**Conversion Table**  
1 mm = 0.039 inch

d1	
mm	inch
6	0.24
8	0.31
19	0.39

**GN 414-A**

Code	Description	d1		d2	d3	e	l1 min	l2	l3	l4	sw	Spring preload [N]	Spring max load [N]	Axial holding force [N]	△
		Plunger -0.02 -0.04	Hole H7												
GN.26246	GN 414-6-6-A	6	M 12 x 1.5	28	21.9	6	56	22	6	19	6.5	19	120	44	
GN.26249	GN 414-6-9-A	6	M 12 x 1.5	28	21.9	9	56	22	6	19	6	25	120	45	
GN.26252	GN 414-8-8-A	8	M 16 x 1.5	28	21.9	8	62	26	8	19	8.5	26	120	70	
GN.26255	GN 414-8-12-A	8	M 16 x 1.5	28	21.9	12	62	26	8	19	8.5	28	120	72	
GN.26258	GN 414-10-12-A	10	M 16 x 1.5	28	21.9	12	62	26	8	19	9.5	38	120	74	

**GN 414-AK**

GN.26261	GN 414-6-6-AK	6	M 12 x 1.5	28	21.9	6	56	22	6	19	6.5	19	120	44
GN.26264	GN 414-6-9-AK	6	M 12 x 1.5	28	21.9	9	56	22	6	19	6	25	120	45
GN.26267	GN 414-8-8-AK	8	M 16 x 1.5	28	21.9	8	62	26	8	19	8.5	26	120	70
GN.26270	GN 414-8-12-AK	8	M 16 x 1.5	28	21.9	12	62	26	8	19	8.5	28	120	72
GN.26273	GN 414-10-12-AK	10	M 16 x 1.5	28	21.9	12	62	26	8	19	9.5	38	120	74