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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**

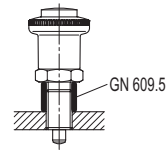
- GN 414.1-A: without locking nut.
- GN 414.1-AK: with locking nut.

**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 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.

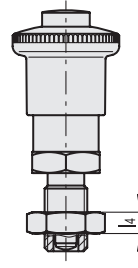
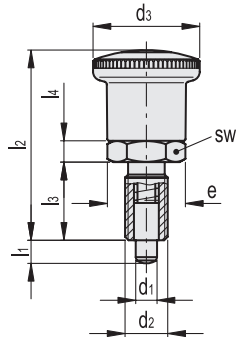
**ACCESSORIES ON REQUEST**

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

GN 414.1-AK



**Conversion Table**  
1 mm = 0.039 inch

d1	
mm	inch
6	0.24
8	0.31
19	0.39

**GN 414.1-A**

METRIC

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 414.1-AK**

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

Indexing and positioning elements