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**1** **THREADED BODY**  
Black-oxide, sandblasted, nitrided steel.

**2** **PLUNGER**  
Nitrided steel.  
Suggested tolerance for matching hole = H7.

**3** **LOCKING NUT**  
Black-oxide steel.

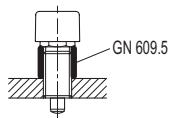
**4** **CONTROL PUSH BUTTON**  
Glass-fibre reinforced polyamide based (PA) technopolymer, black colour, matte finish.

**5** **STANDARD EXECUTIONS**  
- **GN 514-A:** without locking nut.  
- **GN 617-AK:** with locking nut.

**6** **FEATURES AND APPLICATIONS**  
GN 514 indexing plungers base their operation on the cardioid mechanism.

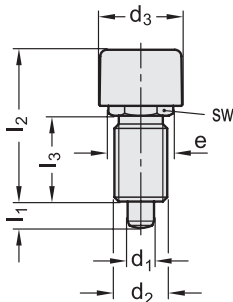
**7** This type of mechanism allows the plunger to stay in the extended or retracted position by simply pushing the control button (PUSH-PUSH locking device).

**8** **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.



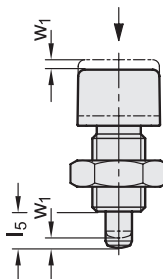
**GN 514-A**

Protruding plunger in locking position with retracted spring

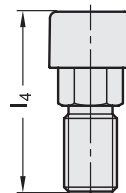


**GN 514-AK**

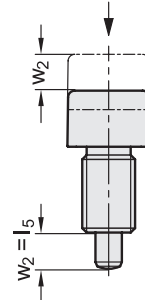
W1= unlocking value protruding plunger



Retracted plunger with spring in rest position



W2= locking value protruding plunger



Code	Description	d1											Spring preload [N]	Spring max load [N]	⚖	
		Plunger -0.02-0.05 Hole H7	d2	d3	e	l1	l2	l3	l4	l5	sw	w1				w2
GN.38281	GN 514-6-A	6	M12x1.5	19	15	6	38	20	44.5	9	13	3	9	20	30	40
GN.38286	GN 514-8-A	8	M16x1.5	25	19	8	46	26	54.5	11	17	3	11	40	65	16
GN.38291	GN 514-6-AK	6	M12x1.5	19	15	6	38	20	44.5	9	13	3	9	20	30	50
GN.38296	GN 514-8-AK	8	M16x1.5	25	19	8	46	26	54.5	11	17	3	11	40	65	79



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Indexing and positioning elements