

TYPES

- Type **A**: with plastic knob, without lock nut
- Type **AK**: with plastic knob, with lock nut
- Type **AN**: with stainless steel knob, without lock nut
- Type **ANK**: with stainless steel knob, with lock nut

AISI 316 stainless steel **A4**

- Plunger

AISI 316 stainless steel

Case hardened

Compression spring

Stainless steel 316Ti

Knob (type A / AK)

Polyamide based (PA) technopolymer

- Black, matte finish

- Not removable

Knob (type AN / AKN)

- AISI 316 stainless steel

- Not removable

FEATURES AND APPLICATIONS

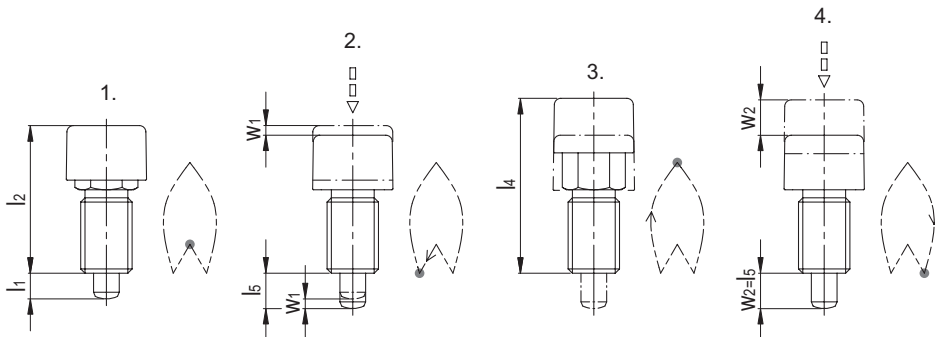
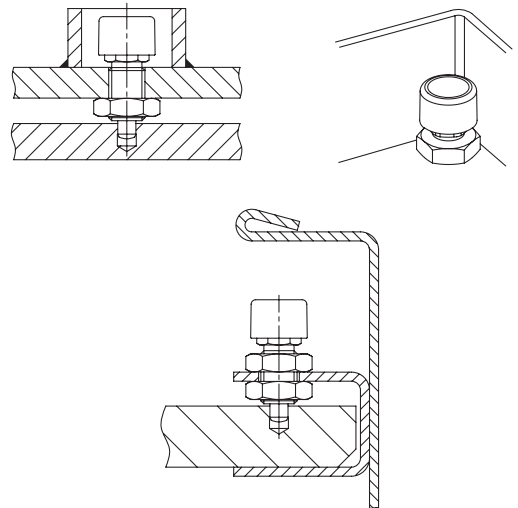
GN 514 indexing plungers base their operation on the cardioid mechanism. They offer very ergonomic operation that requires only repeated pressing of the knob. Thanks to their functional principle, they are well suited for use in tight conditions and are also easy to protect against improper operation, if necessary.

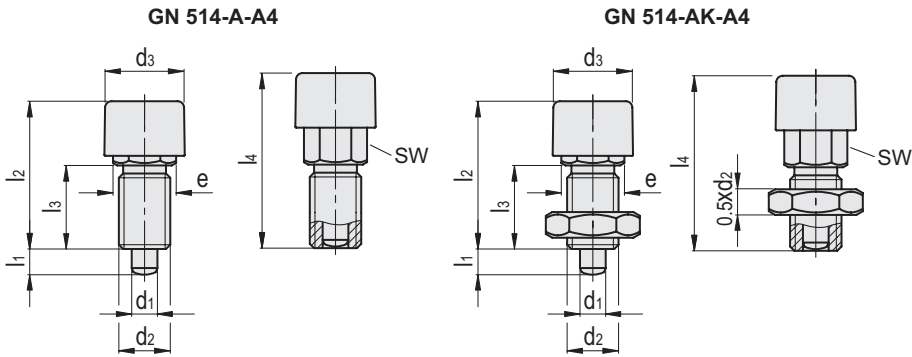
First the plunger pin is brought into the protruding position by pressing the knob. In this position, the cardioid curve mechanism automatically engages to lock the part. Pressing the knob again unlocks the mechanism since the plunger pin retracts automatically by spring force once the button is released. The plunger pin must not be subjected to any axial forces and must move easily.

The stainless steel design is suitable for applications in highly corrosive environments thanks to the A4 materials used.

DESCRIPTION OF FUNCTION

1. In the protruding position, the plunger pin protrudes by distance l_1 and is locked.
2. The knob is pressed by distance w_1 , thereby unlocking the plunger pin.
3. Then the plunger pin is retracted by the compression spring and held in the retracted position.
4. The knob is pressed by distance w_2 and locks again in the protruding position after release.





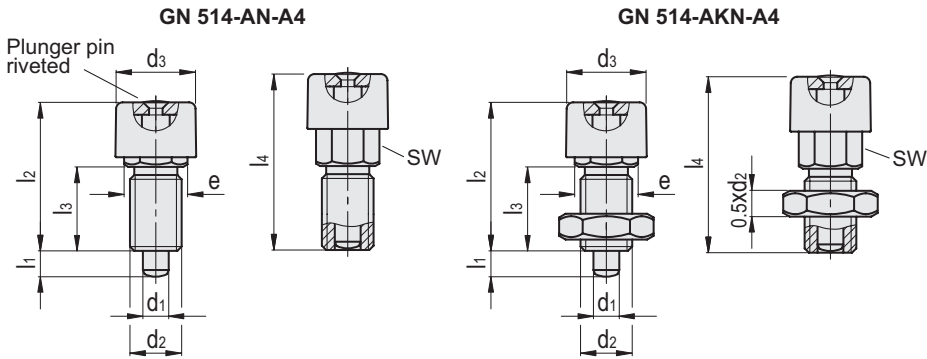
GN 514-A-A4

INOX STAINLESS STEEL METRIC

Code	Description	d1 Plunger -0.02 -0.05 Hole H7	d2	d3	e	l1	l2	l3	l4	l5	sw	w1	w2	Spring preload [N]	Spring max load [N]	△
GN.38282	GN 514-6-A-A4	6	M 12 x 1.5	19	15	6	38	19.5	44.5	9	13	3	9	8.5	25	31
GN.38287	GN 514-8-A-A4	8	M 16 x 1.5	25	19	8	46	25.5	54.5	11	17	3	11	18	44	68

GN 514-AK-A4

Code	Description	d1 Plunger -0.02 -0.05 Hole H7	d2	d3	e	l1	l2	l3	l4	l5	sw	w1	w2	Spring preload [N]	Spring max load [N]	△
GN.38292	GN 514-6-AK-A4	6	M 12 x 1.5	19	15	6	38	19.5	44.5	9	13	3	9	8.5	25	31
GN.38297	GN 514-8-AK-A4	8	M 16 x 1.5	25	19	8	46	25.5	54.5	11	17	3	11	18	44	68



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

GN 514-AN-A4

INOX STAINLESS STEEL METRIC

Code	Description	d1 Plunger -0.02 -0.05 Hole H7	d2	d3	e	l1	l2	l3	l4	l5	sw	w1	w2	Spring preload [N]	Spring max load [N]	△
GN.38283	GN 514-6-AN-A4	6	M 12 x 1.5	19	15	6	38	19.5	44.5	9	13	3	9	8.5	25	31
GN.38288	GN 514-8-AN-A4	8	M 16 x 1.5	25	19	8	46	25.5	54.5	11	17	3	11	18	44	68

GN 514-AKN-A4

Code	Description	d1 Plunger -0.02 -0.05 Hole H7	d2	d3	e	l1	l2	l3	l4	l5	sw	w1	w2	Spring preload [N]	Spring max load [N]	△
GN.38293	GN 514-6-AKN-A4	6	M 12 x 1.5	19	15	6	38	19.5	44.5	9	13	3	9	8.5	25	31
GN.38298	GN 514-8-AKN-A4	8	M 16 x 1.5	25	19	8	46	25.5	54.5	11	17	3	11	18	44	68