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TYPES

- Type **B**: without rest position
- Type **C**: with rest position

IDENTIFICATION

- **FH**: knob side Hygienic Design (front hygiene)
- **VH**: knob and pin side Hygienic Design (full hygiene)

Stainless Steel

AISI 316

Plunger pin case hardened

Spring

Stainless Steel AISI 316Ti

Seals, blue, FDA compliant temperature resistant -25 °C to +110 °C

Sealing ring

H-NBR **H**

Hardness 85±5 Shore A

Wiper

TPU

Hardness 95±5 Shore A

All moving parts lubricated with FDA-compliant special grease

FEATURES AND APPLICATIONS

Both the **FH** and **VH** identifiers of the indexing plungers with rest position are used in applications in which the tip must remain in a retracted position. In that case, the knob is retracted and afterwards turned by 90°. A notch keeps the plunger in this position. GN 8170 indexing plungers are certified according to DGUV Test.

Identification **FH**: knob side Hygienic Design (front hygiene): stainless Steel-Indexing plungers GN 8170 are intended for use in hygienic areas and meet hygiene requirements on the knob side (front hygiene).

Wipers between knob and guide and between guide and pin as well as sealing rings on the guide and sealing nut keep the locking mechanism leak-tight. The finish quality of stainless steel parts prevents dirt adhering and facilitates cleaning. Mounting holes and through-holes in the housing must be at a right angle, free of burrs and without a chamfer. This ensures that the sealing rings will function properly.

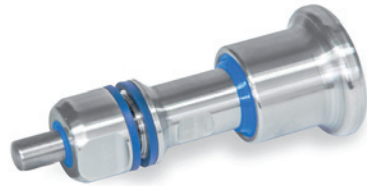
Identification **VH**: knob and pin side Hygienic Design (full hygiene): stainless Steel-Indexing plungers GN 8170 are intended for use in hygienic areas, and with their additional sealing nuts, they meet hygiene requirements on the knob and pin sides (complete hygiene).

Wipers between knob and guide and between guide and pin as well as sealing rings on the guide and sealing nut keep the locking mechanism leak-tight. The finish quality of stainless steel parts prevents dirt adhering and facilitates cleaning. Through-holes in the housing must be at a right angle, free of burrs and without a chamfer. This ensures that the sealing rings will function properly.

See technical data Hygienic Design (see page -).

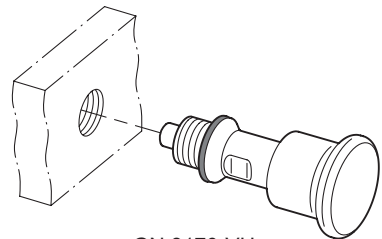


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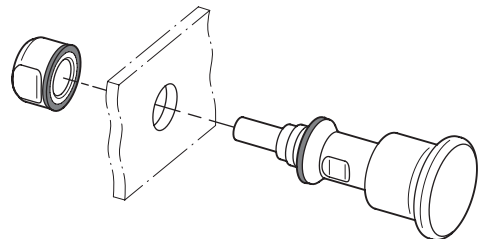


Mounting examples

GN 8170-FH

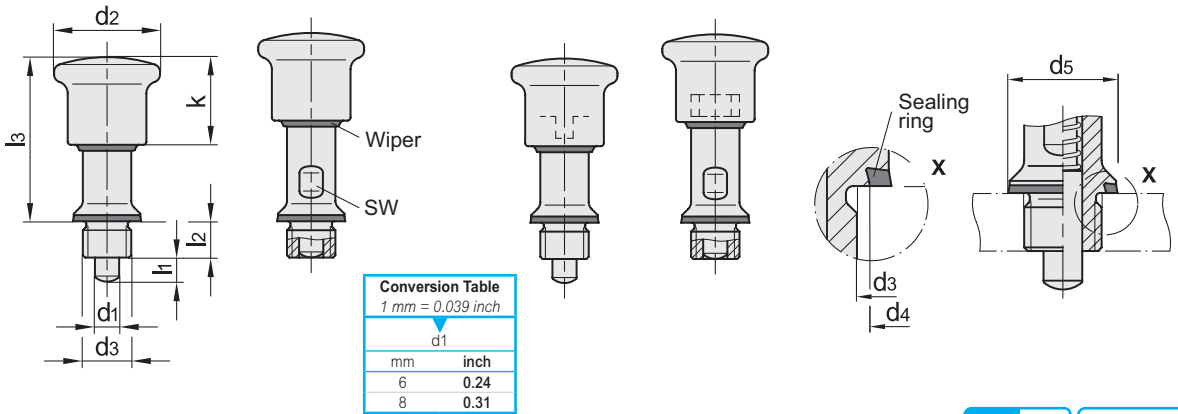


GN 8170-VH



GN 8170-B-FH

GN 8170-C-FH



GN 8170-B-FH

Code	Description	d1 Plunger ♂ Hole H8	d2	d3	d4	d5	k	l1	l2	l3	sw	Spring preload [N]	Spring max load [N]	⚖️
GN.81701	GN 8170-6-B-FH-H	6	35	M12x1.5	18	22.8	29	6	12	49.8	14	20	36	178
GN.81711	GN 8170-8-B-FH-H	8	35	M16x1.5	18	22.8	29	8	12	54.3	14	22	32	195

INOX STAINLESS STEEL METRIC

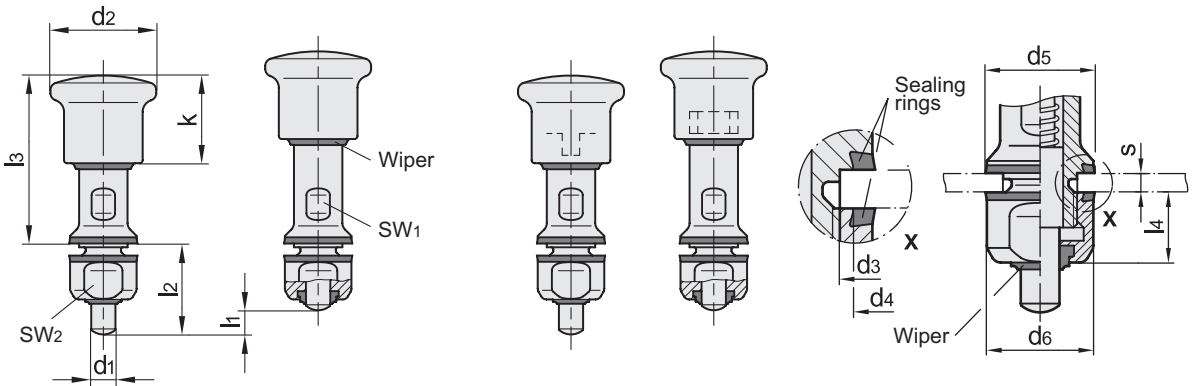
GN 8170-C-FH

Code	Description	d1 Plunger ♂ Hole H8	d2	d3	d4	d5	k	l1	l2	l3	sw	Spring preload [N]	Spring max load [N]	⚖️
GN.81706	GN 8170-6-C-FH-H	6	35	M12x1.5	18	22.8	29	6	12	49.8	14	20	36	169
GN.81716	GN 8170-8-C-FH-H	8	35	M16x1.5	18	22.8	29	8	12	54.3	14	22	32	190

INOX STAINLESS STEEL METRIC

GN 8170-B-VH

GN 8170-C-VH



GN 8170-B-VH

Code	Description	d1 Plunger ♂ Hole H8	d2	d3-0.1	d4	d5	d6	k	l1	l2	l3	l4	s min.	s max.	sw1	sw2	Spring preload [N]	Spring max load [N]	⚖️
GN.81702	GN 8170-6-B-VH-H	6	35	16	18	22.8	22	29	6	27.5	50.5	14.5	1.5	4	14	18	20	36	208
GN.81712	GN 8170-8-B-VH-H	8	35	16	18	22.8	22	29	8	29.5	55.5	14.5	1.5	4	14	18	22	32	217

INOX STAINLESS STEEL METRIC

GN 8170-C-VH

Code	Description	d1 Plunger ♂ Hole H8	d2	d3-0.1	d4	d5	d6	k	l1	l2	l3	l4	s min.	s max.	sw1	sw2	Spring preload [N]	Spring max load [N]	⚖️
GN.81707	GN 8170-6-C-VH-H	6	35	16	18	22.8	22	29	6	27.5	50.5	14.5	1.5	4	14	18	20	36	199
GN.81717	GN 8170-8-C-VH-H	8	35	16	18	22.8	22	29	8	29.5	55.5	14.5	1.5	4	14	18	22	32	212

INOX STAINLESS STEEL METRIC

