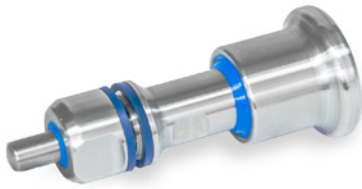
Indexing Plungers

Stainless Steel, DGUV Certified, Hygienic Design, Knob Side (Front Hygiene) / Knob and Pin Side (Full Hygiene)



NV 20099

SPECIFICATION

Types

- Type **B**: Without rest position
- Type **C**: With rest position

Coding

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

Stainless steel AISI 316
Plunger pin case hardened

Pressure spring
Stainless steel AISI 316Ti

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

- Sealing ring
  H-NBR, hardness 85±5 Shore A **H**
- Wiper
  TPU, hardness 95 ±5 Shore A

All moving parts lubricated with FDA-compliant grease

INFORMATION

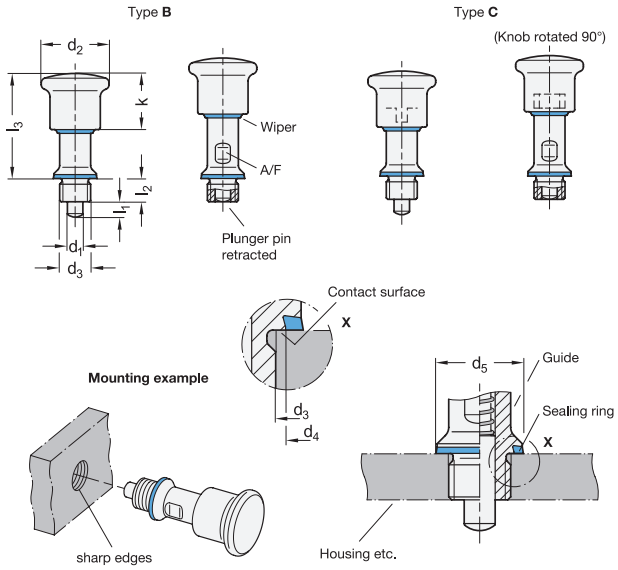
Both Identifications **FH** and **VH**: Indexing plungers with a rest position are used for such applications where the plunger has to stay in its retracted position. In that case, the knob is retracted and afterwards turned by 90°. A notch keeps the plunger in this position.

Identification **FH**: Knob side Hygienic Design (front hygiene): Indexing plungers GN 8170 are certified according to DGUV Test guidelines and meet hygiene requirements on the knob side (front hygiene). Wipers between the knob and the guide as well as the sealing ring between the guide and the housing keep the locking mechanism on the knob side leak-tight. At the same time, the high surface quality and dead-space-free mounting prevent dirt from adhering and facilitate 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 an pin side Hygienic Design (full hygiene): Indexing plungers GN 8170 are certified according to DGUV Test guidelines, and with their additional sealing nuts, they meet hygiene requirements on the knob and pin sides (full 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. At the same time, the high surface quality and dead-space-free mounting prevent dirt from adhering and facilitate 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.

TECHNICAL INFORMATION

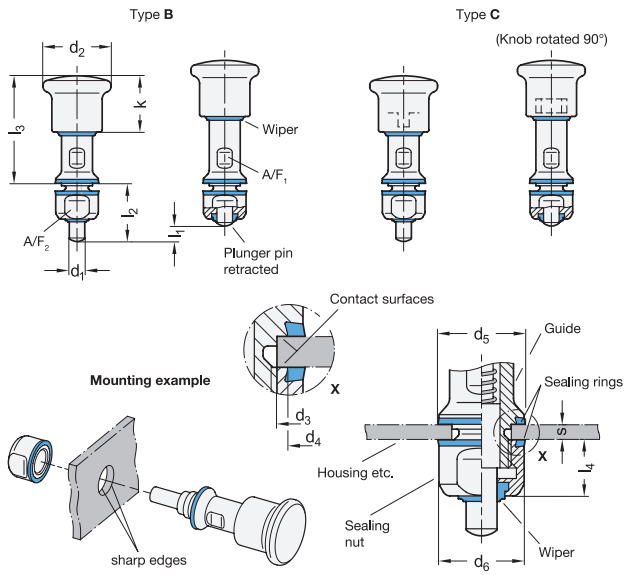
- Load Rating Information (see page A35)
- ISO-Fundamental Tolerances (see page A21)
- Plastic Characteristics (see page A2)
- Stainless Steel Characteristics (see page A26)



GN 8170-FH

STAINLESS STEEL

Description	d1 Plunger f8 Bore H8	d2	d3	d4	d5	l1	l2	l3	k	A/F	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 8170-6-B-FH-H	6	35	M 12 x 1.5	18	22.8	6	12	49.8	29	14	20	36	178
GN 8170-6-C-FH-H	6	35	M 12 x 1.5	18	22.8	6	12	49.8	29	14	20	36	169
GN 8170-8-B-FH-H	8	35	M 16 x 1.5	18	22.8	8	12	54.3	29	14	22	32	195
GN 8170-8-C-FH-H	8	35	M 16 x 1.5	18	22.8	8	12	54.3	29	14	22	32	190



GN 8170-VH

STAINLESS STEEL

Description	d1 Plunger f8 Bore H8	d2	d3 -0.1	d4	d5	d6	l1	l2	l3	l4	k	s min.	s max.	A/F 1	A/F 2	Spring load in N ≈ initial	Spring load in N ≈ end	⚖
GN 8170-6-B-VH-H	6	35	16	18	22.8	22	6	27.5	50.5	14.5	29	1.5	4	14	18	20	36	208
GN 8170-6-C-VH-H	6	35	16	18	22.8	22	6	27.5	50.5	14.5	29	1.5	4	14	18	20	36	199
GN 8170-8-B-VH-H	8	35	16	18	22.8	22	8	29.5	55.5	14.5	29	1.5	4	14	18	22	32	217
GN 8170-8-C-VH-H	8	35	16	18	22.8	22	8	29.5	55.5	14.5	29	1.5	4	14	18	22	32	212