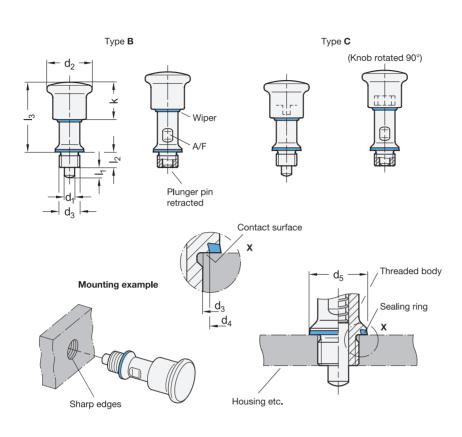
Indexing Plungers

Stainless Steel, DGUV Certified, Lock-Out and Non Lock-Out, Hygienic Design











B Non lock-out C Lock-out

Identification

FH Without sealing lock nut, knob side in Hygienic Design

Dimensions in: millimeters - inches

Metric table



d ₁	d_2	d ₃	d_4	d_5	I ₁	I_2	I ₃	k	A/F	Spring load ≈	
Pin f8 Bore H8		Thread								Initial	End
6	35	M 12 x 1.5	18	22.8	6	12	49.8	29	14	20 N	36 N
0.24	1.38		0.71	0.90	0.24	0.47	1.96	1.14	0.55	4.50 lbf	8.09 lbf
8	35	M 16 x 1.5	18	22.8	8	12	54.3	29	14	22 N	32 N
0.31	1.38		0.71	0.90	0.31	0.47	2.14	1.14	0.55	4.95 lbf	7.19 lbf

Specification

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- Threaded body / knob / plunger pin Stainless steel AISI 316 Plunger pin case-hardened
- Spring Stainless steel AISI 316Ti
- Seals
- Blue
- Temperature resistant from -13 °F to +230 °F (-25 °C to +110 °C)
- FDA compliant
- Sealing ring H-NBR, hardness 85 ±5 shore A
- Wiper TPU, hardness 95 ±5 shore A
- All moving parts are lubricated with a special, FDA compliant grease
- Load Rating Information → page 2103
- ISO Fundamental Tolerances → page 2129
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- · RoHS compliant

Information

GN 8170 indexing plungers are certified according to DGUV Test and meet hygienic requirements on the knob side. Wipers between the knob and the threaded body as well as the sealing ring between the threaded body and the housing keep the mechanics on the knob side sealed. The high surface quality (Ra < 0.8 µm) and the free of dead-space mounting prevent dirt from adhering and facilitate cleaning.

Indexing plungers with lock-out (type C) are used for applications where the plunger pin needs to stay in its retracted position. To achieve this, the knob is rotated by 90 degrees after being retracted. A notch keeps the plunger in the retracted position.

Mounting holes and through-holes in the housing must be drilled at a right angle, free of burrs and without a chamfer. This ensures that the sealing rings will function after being mounted.

- Product Family Hygienic Design → page 16
- List of Indexing Plunger Types → page 915

How to order	1	Pin diameter d₁	
	2	Туре	
1 2 3 4	3	Identification	
GN 8170-8-C-FH-H	4	Sealing ring material	