



- 2 Type**
 - B Without rest position
 - C With rest position
- 3 Identification**
 - VH Knob and pin side Hygienic Design (full hygiene)

d ₁	d ₂	d ₃ -0,1	d ₄	d ₅	d ₆	l ₁	l ₂	l ₃	l ₄	k	s	Clamping length min. max.		A/F ₁	A/F ₂	Spring load in N ≈	
Pin f8 Bore H8																Initial	End
6	35	16	18	22,8	22	6	27,5	51,5	14,5	30	1,5	4	14	18	20	36	
8	35	16	18	22,8	22	8	29,5	56,5	14,5	30	1,5	4	14	18	22	32	

Specification

- Guide / Plunger pin / Knob / Nut**
Stainless steel AISI 316
Plunger pin surface hardened
- Pressure spring**
Stainless steel AISI 316Ti
- Seals**
 - Blue
 - FDA compliant material
 - Operating temperature -25 °C to +110 °C
 - Sealing ring
H-NBR, hardness 85 ±5 Shore A
 - Wiper
TPU, hardness 95 ±5 Shore A
- All moving parts**
lubricated with FDA compliant grease
- RoHS

Technical Information	Page
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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 (Ra < 0,8 µm) and dead-space-free mounting prevent dirt from adhering and facilitate cleaning. Indexing plungers with a rest position (Type C) 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.

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 also... **GN 8170** Indexing Plungers (Front Hygiene) **Page** QVX

Accessory
GN 7600 Sealing Rings **Page** QVX

How to order	1 d ₁
	2 Type
	3 Identification
	4 Material (Sealing ring)

GN8170-6-B-VH-H