



**SS** Stainless Steel

**3 Type**

- A** Lockable in the extended position
- AK** Lockable in the extended position, with lock nut
- E** Lockable in the extended or retracted position
- EK** Lockable in the extended or retracted position, with lock nut

**4 Coding**

- SC** With key (Keyed alike)
- SU** With key (Keyed differently)

**Metric table**

Dimensions in: millimeters - inches

d <sub>1</sub> Pin $_{-0.02}^{+0.04}$ Bore H7	l <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	k	l <sub>2</sub> ≈	l <sub>3</sub>	A/F	Spring load ≈	
									Initial	End
8 0.31	8 0.31	M 16 x 1.5	34 1.34	23 0.91	21 0.83	68.5 2.70	26 1.02	19 0.75	18 N 4.05 lbf	33 N 7.42 lbf
8 0.31	12 0.47	M 16 x 1.5	34 1.34	23 0.91	21 0.83	68.5 2.70	26 1.02	19 0.75	11 N 2.47 lbf	33 N 7.42 lbf
10 0.39	12 0.47	M 16 x 1.5	34 1.34	23 0.91	21 0.83	68.5 2.70	26 1.02	19 0.75	11 N 2.47 lbf	33 N 7.42 lbf
12 0.47	15 0.59	M 20 x 1.5	34 1.34	23 0.91	21 0.83	73 2.87	31.5 1.24	19 0.75	11 N 2.47 lbf	33 N 7.42 lbf

**Specification**

- Threaded body  
Stainless steel AISI 303  
Plunger pin chemically nickel plated
- Knob  
Plastic (Polyamide PA)  
- Black, matte finish  
- Temperature resistant up to 176 °F (80 °C)
- Spring  
Stainless steel AISI 301
- Lock mechanism  
Zinc die-cast / stainless steel
- Key (two pieces)  
Steel, nickel plated
- Hex nut ISO 8675  
Stainless steel AISI 304
- *Load Rating Information* → page QVX
- *ISO Fundamental Tolerances* → page QVX
- *Plastic Characteristics* → page QVX
- *Stainless Steel Characteristics* → page QVX
- **RoHS compliant**

**Information**

GN 814 lockable indexing plungers are used for applications where unauthorized operation is to be prevented. Types A and AK secure the plunger pin in the extended position after locking. Types E and EK additionally secure the plunger pin in the retracted position if it is not to protrude temporarily.

The key can be removed in the end positions. Locks with coding SC are keyed alike, allowing each lock to be operated with the same key. Locks with coding SU have different locks with 68 different lock versions and correspondingly numbered keys.

For assembly, the indexing plunger can be screwed in or out via a hex socket, which is only accessible when the knob is pulled back. If necessary, lock nuts should be secured against tampering, e.g. by gluing or welding.

**How to order**

**GN 814-8-12-AK-SC-NI**

1	Pin diameter d <sub>1</sub>
2	Stroke l <sub>1</sub>
3	Type
4	Coding
5	Material

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10