



**3 Type**

- S** Without latching, non lock-out
- L1** Latching / lock-out via counter-clockwise rotation
- R1** Latching / lock-out via clockwise rotation

**Metric table**

Dimensions in: millimeters - inches

1 d Pin $-0.05$ Bore $+0.1$ $-0.05$	2 b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	h <sub>1</sub>	h <sub>2</sub>	k <sub>1</sub>	k <sub>2</sub>	k <sub>3</sub>	k <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub> min.	l <sub>3</sub>	Spring load ≈	
														Initial	End
6 .24	38 1.50	32 1.26	16 .63	5.4 .21	8.5 .33	6 .24	27 1.06	5.5 .22	12 .47	14.5 .57	47 1.85	10 .39	14 .55	21 N 4.72 lbf	27 N 6.07 lbf
8 .31	38 1.50	32 1.26	16 .63	5.4 .21	8.5 .33	6 .24	27 1.06	5.5 .22	12 .47	14.5 .57	47 1.85	10 .39	14 .55	21 N 4.72 lbf	27 N 6.07 lbf
8 .31	46 1.81	40 1.57	20 .79	6.4 .25	11 .43	6 .24	33 1.30	6.5 .26	14.5 .57	19 .75	59 2.32	12 .47	17 .67	25 N 5.62 lbf	38 N 8.54 lbf
10 .39	38 1.50	32 1.26	16 .63	5.4 .21	8.5 .33	6 .24	27 1.06	5.5 .22	12 .47	14.5 .57	47 1.85	10 .39	14 .55	21 N 4.72 lbf	27 N 6.07 lbf
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**Specification**

- Housing  
Zinc die-cast  
Powder coated  
Black, RAL 9005, textured finish
- Plunger pin  
Steel, zinc plated, blue passivated finish
- Spring  
Stainless steel  
European Standard No. 1.4310 (AISI 301)
- Latch lever  
Plastic  
Technopolymer (Polyamide PA)  
- Temperature resistant up to 230 °F (110 °C)  
- Black, matte finish  
- Not removable
- RoHS compliant

**Information**

GN 416 indexing plunger latch mechanisms are operated by an axial pulling of the latch lever. This kind of operation from the top side is advantageous in certain installation situations.

The plunger pins of type S are engaged in the housing to prevent rotation, and therefore lock in the starting position but not the retracted position. Types R1 and L1 offer a locking function in the starting as well as in the retracted position, preventing unintentional operation. A lock notch holds the latch lever in both positions.

The fastening range is designed so that ISO 7092 washers can be used.

In addition to using metric fasteners for mounting:

- where b<sub>4</sub> = 5.4 mm, #10-32 socket cap screws can be used
- where b<sub>4</sub> = 6.4 mm, #1/4-20 socket cap screws can be used

see also...

- *Product Range Standard Parts for Profile Systems*
- *List of Indexing Plunger Types*
- *T-Nut Assemblies GN 965 (for 30 / 40 mm T-Slot Profile Systems)*
- *T-Nut Assemblies GN 968 (for 30 / 40 / 45 mm T-Slot Profile Systems)*

**Accessory**

- Locators GN 416.1

<p>How to order</p> <p><b>GN 416-8-46-L1</b></p>	1	Pin diameter d
	2	Width b <sub>1</sub>
	3	Type

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9