



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

d Pin -0.05 Bore +0.05	b ₁	b ₂	b ₃	b ₄	h ₁	h ₂	k ₁	k ₂	k ₃	k ₄	l ₁	l ₂ min.	l ₃	Spring load ≈	
														Initial	End
6 0.24	38 1.50	32 1.26	16 0.63	5.4 0.21	8.5 0.33	6 0.24	27 1.06	5.5 0.22	12 0.47	14.5 0.57	47 1.85	10 0.39	14 0.55	21 N 4.72 lbf	27 N 6.07 lbf
8 0.31	38 1.50	32 1.26	16 0.63	5.4 0.21	8.5 0.33	6 0.24	27 1.06	5.5 0.22	12 0.47	14.5 0.57	47 1.85	10 0.39	14 0.55	21 N 4.72 lbf	27 N 6.07 lbf
8 0.31	46 1.81	40 1.57	20 0.79	6.4 0.25	11 0.43	6 0.24	33 1.30	6.5 0.26	14.5 0.57	19 0.75	59 2.32	12 0.47	17 0.67	25 N 5.62 lbf	38 N 8.54 lbf
10 0.39	38 1.50	32 1.26	16 0.63	5.4 0.21	8.5 0.33	6 0.24	27 1.06	5.5 0.22	12 0.47	14.5 0.57	47 1.85	10 0.39	14 0.55	21 N 4.72 lbf	27 N 6.07 lbf
10 0.39	46 1.81	40 1.57	20 0.79	6.4 0.25	11 0.43	6 0.24	33 1.30	6.5 0.26	14.5 0.57	19 0.75	59 2.32	12 0.47	17 0.67	25 N 5.62 lbf	38 N 8.54 lbf
12 0.47	46 1.81	40 1.57	20 0.79	6.4 0.25	11 0.43	6 0.24	33 1.30	6.5 0.26	14.5 0.57	19 0.75	59 2.32	12 0.47	17 0.67	25 N 5.62 lbf	38 N 8.54 lbf

Specification

- Housing
Zinc die-cast
Powder coated
Black, RAL 9005, textured finish
- Plunger pin
Steel, zinc plated, blue passivated finish
- Spring
Stainless steel AISI 301
- Latch lever
Plastic
Technopolymer (Polyamide PA)
- Temperature resistant up to 230 °F (110 °C)
- Black, matte finish
- Not removable
- Load Rating Information → page 2103
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

Accessory

- Locators GN 416.1 → www.jwwinco.com

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 b₄ = 5.4 mm, #10-32 socket cap screws can be used
- where b₄ = 6.4 mm, #1/4-20 socket cap screws can be used

see also...

- Product Family Standard Parts for Profile Systems → page 18
- List of Indexing Plunger Types → page 915
- T-Nut Assemblies GN 965 (for 30 / 40 mm T-Slot Profile Systems) → page 2048
- T-Nut Assemblies GN 968 (for 30 / 40 / 45 mm T-Slot Profile Systems) → page 2058

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

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

