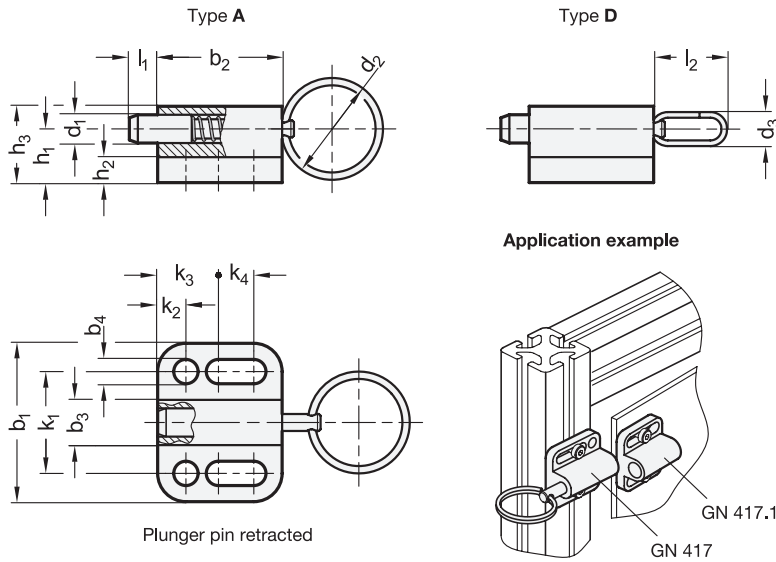


# GN 417

Zinc Die-Cast / Stainless Steel

## Indexing Plunger Latch Mechanisms

Non Lock-Out, with Pull Ring / with Wire Loop



### 2 Type

- A With pull ring
- D With wire loop

## Metric table

Dimensions in: millimeters - inches

d <sub>1</sub> Pin h11 Bore +0.03 -0.06	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub> -0.2	d <sub>2</sub>	d <sub>3</sub>	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	k <sub>1</sub> ±0.05	k <sub>2</sub>	k <sub>3</sub>	k <sub>4</sub>	l <sub>1</sub>	l <sub>2</sub>	Spring load ≈	
																Initial	End
4 0.16	22 0.87	16.5 0.65	6 0.24	3.3 0.13	14 0.55	6 0.24	7 0.28	4 0.16	10 0.39	14 0.55	4 0.16	8 0.31	4.5 0.18	4 0.16	13 0.51	3 N 0.67 lbf	12 N 2.70 lbf
5 0.20	28 1.10	22 0.87	8 0.31	4.3 0.17	18 0.71	7.2 0.28	9.5 0.37	4.5 0.18	13.5 0.53	18 0.71	5 0.20	10 0.39	7 0.28	5 0.20	15.5 0.61	5 N 1.12 lbf	24 N 5.40 lbf
6 0.24	32 1.26	27.5 1.08	10 0.39	5.4 0.21	24 0.94	9.5 0.37	10.5 0.41	5 0.20	15.5 0.61	21 0.83	5.5 0.22	12 0.47	10 0.39	6 0.24	21 0.83	5 N 1.12 lbf	21 N 4.72 lbf
8 0.31	34 1.34	33 1.30	12 0.47	5.4 0.21	30 1.18	11.8 0.46	12.5 0.49	6 0.24	18.5 0.73	23 0.91	5.5 0.22	12 0.47	15.5 0.61	8 0.31	26 1.02	6 N 1.35 lbf	22 N 4.95 lbf
10 0.39	39 1.54	35 1.38	14.5 0.57	6.5 0.26	30 1.18	11.8 0.46	14.5 0.57	6 0.24	21.75 0.86	27 1.06	6 0.24	15 0.59	13.5 0.53	10 0.39	26 1.02	4 N 0.90 lbf	25 N 5.62 lbf

## Specification

- Housing
  - Zinc die-cast  
Powder coated  
Black, textured finish
  - Stainless steel precision casting AISI CF-8 NI  
Plain, matte shot-blasted finish
- Plunger pin  
Stainless steel AISI 303
- Spring  
Stainless steel AISI 301
- Pull ring / wire loop  
Stainless steel AISI 301
- Load Rating Information → page 2103
- ISO Fundamental Tolerances → page 2129
- Stainless Steel Characteristics → page 2143
- RoHS compliant

## Accessory

- Locators GN 417.1 → [www.jwwinco.com](http://www.jwwinco.com)

## Information

GN 417 indexing plunger latch mechanisms with flange are mounted parallel to the plunger pin and are therefore characterized by an especially low height. The mounting hole pattern with slotted holes offers additional mounting options, such as for the use of aluminum profiles. The use of washers makes it easier to mount the parts using the slotted holes.

Type D has a reinforced wire loop, making it especially suited for remote actuation, e.g. by Bowden cable.

The stainless steel version allows the indexing plunger latch mechanisms to be used in aggressive environments.

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> = 3.3 mm, #4-40 socket cap screws can be used
- where b<sub>4</sub> = 4.3 mm, #6-32 socket cap screws can be used
- where b<sub>4</sub> = 5.4 mm, #10-24 socket cap screws can be used

see also...

- List of Indexing Plunger Types → page 915
- Product Family Standard Parts for Profile Systems → page 18

### How to order (Zinc Die-Cast)

1 2  
**GN 417-6-A**

- |   |                             |
|---|-----------------------------|
| 1 | Pin diameter d <sub>1</sub> |
| 2 | Type                        |

### How to order (Stainless steel)

1 2 3  
**GN 417-10-D-NI**

- |   |                             |
|---|-----------------------------|
| 1 | Pin diameter d <sub>1</sub> |
| 2 | Type                        |
| 3 | Material                    |