

Indexing Plungers - Overview of Types

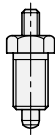
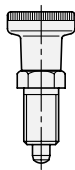
Unlocking by Pulling the Plunger Pin

GN 617

GN 617 ... NI

see page 744

Without rest position
Ø 5 / 6 / 8 / 10

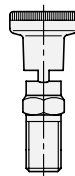
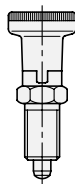


GN 617.1

GN 617.1 ... NI

see page 746

With rest position
Ø 5 / 6 / 8 / 10



Other features:

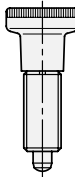
- Guide steel, blackened or stainless steel
- GN 617 / GN 613 / GN 618 with or without knob
- Stainless steel version with plastic or stainless steel knob
- Sturdy plunger pin: no change in Ø over the entire length
- Plunger pin, steel hardened
- High precision plunger pin guide

GN 613

GN 613 ... NI

see page 748

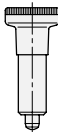
Without rest position
Ø 5 / 6 / 8 / 10



GN 618

see page 760

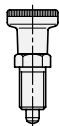
Without rest position
Unthreaded
Weldable steel
Ø 5 / 6 / 8



PMT.100

see page 750

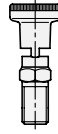
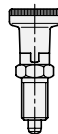
Without rest position
SUPER-Technopolymer
Ø 5 / 6 / 8 / 10



PMT.101

see page 752

With rest position
SUPER-Technopolymer
Ø 5 / 6 / 8 / 10



Other features:

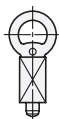
- SUPER-technopolymer threaded body
- Lightness and high mechanical strength
- Steel (hardened) or Stainless Steel plunger pin
- Anticorrosive material: suitable even in the presence of liquid or humidity
- Low friction factor to the plunger stroke; no lubricating maintenance is required
- Resistant to several cleaning cycles with solvents and other chemical agents

GN 722.4

see page

Type B

Without rest position
Ø 8 / 10 / 12 / 14 / 16 / 20



Other features:

- Indexing plungers for welding
- Guide steel or stainless steel
- Plunger pin steel, zinc plated or stainless steel
- Desmontable
- Type A: mounted
- Type AU: unmounted

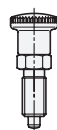
GN 817

GN 817 ... NI

see page 754

Type B / G

Without rest position
Ø 4 / 5 / 6 / 8 / 10 / 12 / 16



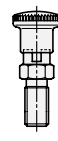
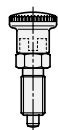
GN 817

GN 817 ... NI

see page 754

Type C

With rest position
Ø 4 / 5 / 6 / 8 / 10 / 12 / 16



Other features:

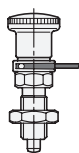
- Guide steel, blackened or stainless steel
- Type G without knob, Type B/C with black or red knob
- 2 strokes/plunger pin Ø 4 / 5 / 6 / 8
- Plunger pin, steel hardened
- High precision plunger pin guide
- Locking mechanism integrated in the knob
- Reduced dimensions

Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

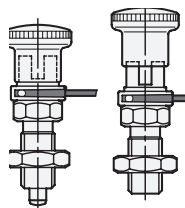
GN 817.6

see page
Type EB
With sensor
Without rest position
Ø 4/5/6/8/
10/12/16



GN 817.6

see page
Type EC
With sensor
With rest position
Ø 4/5/6/8/
10/12/16

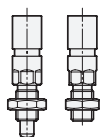


Other features:

- Guide stainless steel
- Plunger pin stainless steel
- Sensor for position monitoring of the plunger pin
- Locking mechanism integrated in the knob

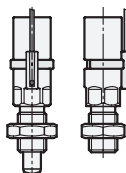
GN 817.7

see page
Coding OP
pneumatically operated
Without position query
Ø 6/8/10/12



GN 817.7

see page
Coding BS0,4
pneumatically operated
With position query
Ø 6/8/10/12

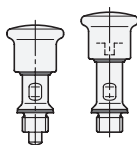


Other features:

- Guide stainless steel
- Plunger pin stainless steel
- pneumatically double-acting / single-acting protruding / retracting
- Coding BS0,4:
Sensor for position monitoring of the plunger pin

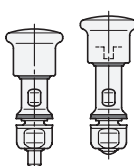
GN 8170

see page
Front Hygiene FH
With / without rest position
Ø 6/8



GN 8170

see page
Full Hygiene VH
With / without rest position
Ø 6/8

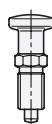


Other features:

- Hygienic Design
- Seals blue, FDA-konType
- Type B: without rest position
- Type C: with rest position
- DGUV certified

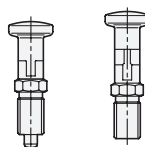
GN 818

see page
Type B / BK / BN / BKN
Without rest position
Ø 4/5/6/8/
10/12



GN 818

see page
Type C / CK / CN / CKN
With rest position
Ø 4/5/6/8/
10/12

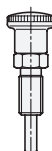


Other features:

- Guide stainless steel AISI 316
- Plunger pin stainless steel AISI 316
- Type B/BK/C/CK:
Knob plastic
- Type BN/BKN/CN/BKN:
Knob stainless steel
- Pressure spring stainless steel

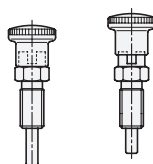
GN 817.8

GN 817.8 ... NI
see page 756
Type B
Without rest position
Ø 4/5/6/8/
10/12/16



GN 817.8

GN 817.8 ... NI
see page 756
Type C
With rest position
Ø 4/5/6/8/
10/12/16



Other features:

- Designed for plunger pins in special design for small pieces
- All individual parts are delivered as an unassembled set so that the plunger pins can be modified.
- Guide steel, blackened or stainless steel
- Plunger pin stainless steel
- High precision plunger pin guide
- Locking mechanism integrated in the knob



∞

Indexing elements

Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 817.2

GN 817.2 ... NI

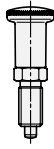
see page 758

Type B

Without rest position

With long knob

Ø 4/5/6/8/10/12



GN 817.2

GN 817.2 ... NI

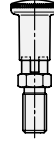
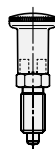
see page 758

Type C

With rest position

With long knob

Ø 4/5/6/8/10/12



Other features:

- Guide steel, blackened or stainless steel
- 2 strokes/Plunger pin-Ø 4/5/6/8
- Plunger pin, steel hardened
- High precision plunger pin guide
- Locking mechanism integrated in the knob



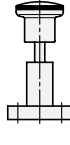
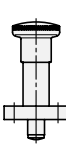
GN 817.1

see page 762

Type B

Without rest position

Ø 6/8/10



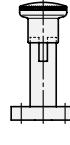
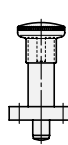
GN 817.1

see page 762

Type C

With rest position

Ø 6/8/10



Other features:

- Guide Zinc die casting, black plastic coated
- Plunger pin stainless steel
- With black or red knob
- Locking mechanism integrated in the knob

GN 722.5

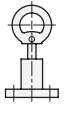
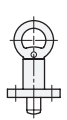
see page

Type B

Without rest position

Ø 8/10/12/

14/16/20



Other features:

- Guide steel precision casting, blue passivated or powder coated or stainless steel
- Plunger pin steel, zinc plated or stainless steel
- Pressure spring stainless steel
- Desmontable



GN 817.9

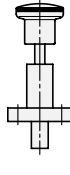
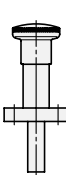
see page 763

Type B

Without rest position

Ø 7/8/10

Length: 20/25/30



GN 817.9

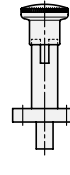
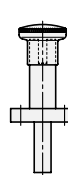
see page 763

Type C

With rest position

Ø 7/8/10

Length: 20/25/30



Other features:

- Designed for plunger pins in special design for small pieces
- All individual parts are delivered as an unassembled set so that the plunger pins can be modified.
- Guide zinc die casting, black plastic coated
- Plunger pin stainless steel
- Locking mechanism integrated in the knob

GN 817.4

GN 817.4 ... NI

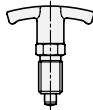
see page 761

Type B

Without rest position

With T-handle

Ø 6/8/10/12



GN 817.4

GN 817.4 ... NI

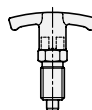
see page 761

Type C

With rest position

With T-handle

Ø 6/8/10/12



Other features:

- Guide steel, blackened or stainless steel
- Plunger pin steel, hardened
- High precision plunger pin guide
- Locking mechanism integrated in the knob
- Reduced dimensions



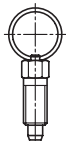
GN 717 ... NI

see page 764

Type A / D

Without rest position

Ø 3/4/5/6/8/10



GN 717 ... NI

see page 764

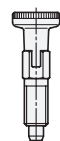
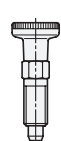
Type B

Without rest position

Type C

With rest position

Ø 3/4/5/6/8/10



Other features:

- Guide steel, zinc plated or stainless steel
- Type A: with lifting ring
- Type D: with wire loop
- Standard or fine thread
- Reduced dimensions
- Reasonably priced versions



Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

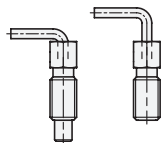
GN 7017 ... ST
GN 7017 ... NI

see page 767

Type B / BK

Without rest position

Ø 4/5/6/8/10



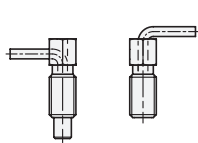
GN 7017 ... ST
GN 7017 ... NI

see page 767

Type C / CK

With rest position

Ø 4/5/6/8/10



Other features:

- Guide steel, zinc plated or stainless steel
- With lever
- Reduced dimensions
- Reasonably priced versions



GN 413 ... ST
GN 413 ... NI

see page 768

Type A

Without rest position

Ø 5/6/8/10



GN 413 ... ST
GN 413 ... NI

see page 768

Type C

With rest position

Ø 5/6/8/10



Other features:

- Guide steel, blackened or stainless steel
- Standard or fine thread
- Plunger pin stainless steel
- Reduced dimensions

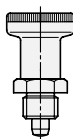


GN 607 ... ST
GN 607 ... NI

see page 769

Without rest position

Ø 6/8

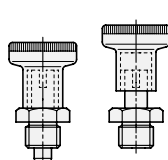


GN 607.1 ... ST
GN 607.1 ... NI

see page 769

With rest position

Ø 6/8



Other features:

- Guide steel, blackened or stainless steel
- Plunger pin, steel hardened
- High precision plunger pin guide
- Locking mechanism integrated in the knob

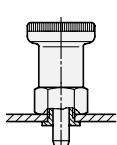


GN 607.2 ... ST
GN 607.2 ... NI

see page 771

Without rest position

Ø 6/8

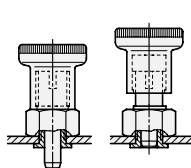


GN 607.3 ... ST
GN 607.3 ... NI

see page 772

With rest position

Ø 6/8



Other features:

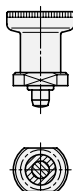
- Designed for use in thin walled sheet metal parts
- Guide steel, zinc plated
- Plunger pin stainless steel
- Locking mechanism integrated in the knob

GN 607.4 ... ST

see page 773

Without rest position

Ø 6/8

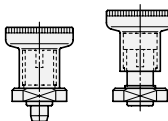


GN 607.5 ... ST

see page 774

With rest position

Ø 6/8



Other features:

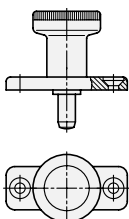
- Plunger for welding
- Guide steel, blackened
- Plunger pin steel, hardened
- Locking mechanism integrated in the knob

GN 608
GN 608.5

see page 776

Without rest position

Ø 6/8

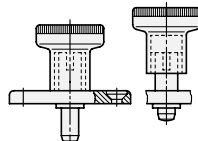


GN 608.1
GN 608.6

see page 778

With rest position

Ø 6/8



Other features:

- Guide zinc die casting, zinc plated
- GN 608/GN 608.1: Plunger pin steel, hardened
- GN 608.5/GN 608.6: Plunger pin stainless steel
- Locking mechanism integrated in the knob



Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 822 ... ST
GN 822 ... NI

see page 780

Type B

Without rest position
Ø 4/5/6/7



GN 822 ... ST
GN 822 ... NI

see page 780

Type C

With rest position
Ø 4/5/6/7

6 indexing positions



Other features:

- Smallest dimensions (indexing plungers)
- Thread without recessed stud for fastening to thin walls (sheets)
- Guide steel, zinc plated or stainless steel
- Plunger pin stainless steel
- Knob plastic
- Covered indexing mechanism

GN 822.1 ... ST
GN 822.1 ... NI

see page 782

Type B

Without rest position
With low knob
Ø 4/5/6/7

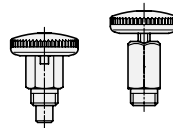


GN 822.1 ... ST
GN 822.1 ... NI

see page 782

Type C

With rest position
With low knob
Ø 4/5/6/7



Other features:

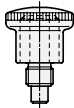
- Smallest dimensions (indexing plungers)
- Thread without recessed stud for fastening to thin walls (sheets)
- Guide steel, zinc plated or stainless steel
- Plunger pin stainless steel
- Knob plastic
- Open indexing mechanism

GN 822.6
GN 822.7

see page 775

Type B / BN

Without rest position
Ø 4/5/6/7/8/10



GN 822.6
GN 822.7

see page 775

Type C / CN

With rest position
Ø 4/5/6/7/8/10

6 indexing positions



Other features:

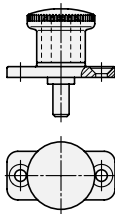
- Smallest dimensions (indexing plungers)
- Guide steel, zinc plated or stainless steel
- Stainless steel version with plastic or stainless steel knob
- Plunger pin stainless steel
- Standard or fine thread

GN 822.8
GN 822.9

see page 786

Type B / BN

Without rest position
Ø 4/5/6/8/10



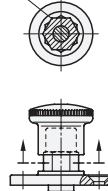
GN 822.8
GN 822.9

see page 786

Type C / CN

With rest position
Ø 4/5/6/8/10

6 indexing positions



Other features:

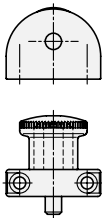
- Smallest dimensions (indexing plungers)
- Guide zinc die casting, black powder coated or stainless steel
- Plunger pin stainless steel
- Stainless steel version (GN 822.9 with plastic or stainless steel knob)

GN 412

see page 789

Type B

Without rest position
Ø 5/6/8/10



GN 412

see page 789

Type C

With rest position
Ø 5/6/8/10

6 indexing positions



Other features:

- Short length
- Mounting from the front or rear (inner thread)
- Guide zinc die casting, black powder coated
- Plunger pin stainless steel
- Mounting blocks GN 412.1



Indexing Plungers - Overview of Types

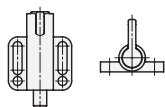
Unlocking by Pulling the Plunger Pin

GN 416

see page 790

Type S

Without locking
in normal position
Without rest position
Ø 6 / 8 / 10 / 12

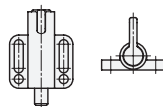


GN 416

see page 790

Type L1/R1

With locking
in normal position
With rest position
Ø 6/8/10/12



Other features:

- Guide zinc die casting, black powder coated
- Plunger pin steel, zinc plated
- Latch lever plastic
- Operation beyond the plunger axis
- Assembly sets for profile systems
- Type L1/R1: Locking via clockwise or counterclockwise rotation of the latch lever
- Locators GN 416.1



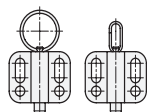
GN 417

see page 792

Type A/D

Without rest position

Ø 4/5/6/8/10



GN 417

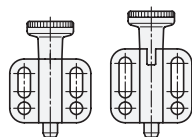
see page 792

Type B

Without rest position

Type C

With rest position
Ø 4/5/6/8/10



Other features:

- Guide zinc die casting, black powder coated or stainless steel
- Plunger pin AISI 303
- Mounting via flange/slotted holes
- Assembly sets for profile systems
- Type A: with lifting ring
- Type D: with wire loop

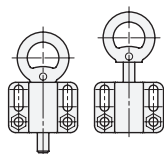


GN 722.6

see page

Without rest position

Ø 8/10/12/
14/16/20



Other features:

- Guide steel precision casting, blue passivated or powder coated or stainless steel
- Plunger pin steel, zinc plated or stainless steel
- Pressure spring stainless steel
- Desmontable

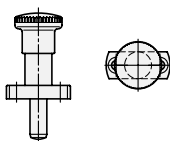


GN 817.3

see page 795

Type B

Without rest position
Plunger pin
cylindrical
Ø 6/8/10

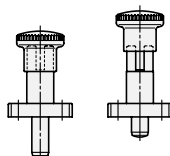


GN 817.3

see page 795

Type C

With rest position
Plunger pin
cylindrical
Ø 6/8/10



Other features:

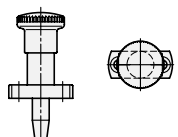
- Designed for precision positioning by using positioning bushings
- Guide steel, blackened
- Plunger pin hardened
- Locking mechanism integrated in the knob
- Reduced dimensions

GN 817.5

see page 795

Type B

Without rest position
Plunger pin conical
Ø 6/8/10

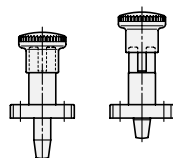


GN 817.5

see page 795

Type C

With rest position
Plunger pin conical
Ø 6/8/10



Other features:

- Designed for precision positioning by using positioning bushings
- Guide steel, blackened
- Plunger pin hardened
- Locking mechanism integrated in the knob
- Reduced dimensions



Indexing elements

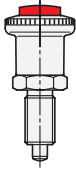
Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 414

GN 414 ... NI

see page 797
With safety lock
Ø 6/8/10



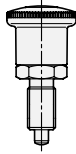
Other features:

- The latching is done automatically in case of a protruding plunger pin and the unlocking using the push-button
- Guide steel, blackened or stainless steel
- Plunger pin, steel hardened
- Knob black, push-button red

GN 414.1

GN 414.1 ... NI

see page 802
With rest position
Ø 6/8/10



Other features:

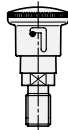
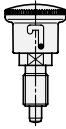
- The rest position is achieved automatically in case of a retracted plunger pin and the unlocking using the push-button
- Guide steel, blackened or stainless steel
- Plunger pin, steel hardened
- Knob black, push-button red

GN 816

see page 798

Type A

Plunger pin in normal position protruded
With rest position
Operation with knob
Ø 6/8/10



GN 816

see page 798

Type B

Plunger pin in normal position protruded
With rest position
Operation with key
Ø 6/8/10



Other features:

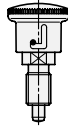
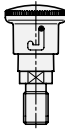
- Rest position secured against unintended release
- Guide steel, zinc plated
- Plunger pin stainless steel AISI 303
- Type B: Operation possible only with special key GN 816-10 (safety function)

GN 816.1

see page 800

Type A

Plunger pin in normal position retracted
With locking
Operation with knob
Ø 6/8/10



GN 816.1

see page 800

Type B

Plunger pin in normal position retracted
With locking
Operation with key
Ø 6/8/10

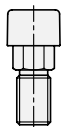
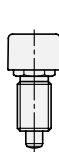


Other features:

- Latch secured against unintended release
- Guide steel, zinc plated
- Plunger pin stainless steel AISI 303
- Type B: Operation possible only with special key GN 816.1-10 (safety function)

GN 514

see page 803
With PUSH-PUSH mechanism
Ø 6/8

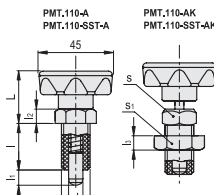


Other features:

- The plunger pin is moved over a so-called 'heart-curve'. This causes the plunger pin to be extended as well as retracted only by pressing the actuation buttons.
- Guide steel, blackened
- Knob plastic

PMT.110

see page 808
Indexing plunger
With knob
Ø 8/10



Other features:

- SUPER-technopolymer threaded body. Lightness and high mechanical strength
- Steel (hardened) or Stainless Steel plunger pin
- Anticorrosive material: suitable even in the presence of liquid or humidity

- Low friction factor to the plunger stroke; no lubricating maintenance is required
- Resistant to several cleaning cycles with solvents and other chemical agents



Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 313 ... ST

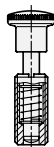
GN 313 ... NI

see page 804

Plunger pin
in normal position
retracted

Type A: With knob

Ø 5/6/8/10



GN 313 ... ST

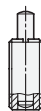
GN 313 ... NI

see page 804

Plunger pin
in normal position
retracted

Type D: Without knob

Ø 5/6/8/10



Other features:

- In the normal position (non-actuated), the bolt is not protruding, i.e. it remains retracted by a pressure spring
- Guide steel, blackened or stainless steel
- Plunger pin stainless steel



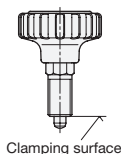
GN 7336.7

see page 806

Clamping knobs

With plunger pin

Ø 5/6/8



Other features:

- Knurled screw with "integrated" spring plunger pin. Thus, elements to be adjusted can be positioned and clamped simultaneously
- Guide steel, blackened
- Plunger pin stainless steel
- Knurled knob plastic

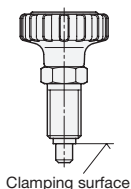
GN 7336.8

see page 807

Clamping

indexing plungers

Ø 6/8



Other features:

- Application like GN 7336.7 with additional safety function. Knurled screw does not help in clamping, but in positioning. The clamping is done using a plunger pin that is connected to an anti-twist knurled knob. After releasing the clamping, the plunger pin cannot be retracted (safety feature!), but only after some rotations of the knurled knob.
- Guide steel, zinc plated
- Plunger pin steel, nitrided
- Knurled knob plastic



8

Indexing elements