

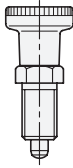
Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 617

Page 892

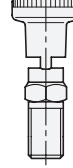
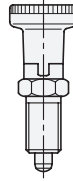
Without rest position
Ø 5/6/8/10



GN 617.1

Page 892

With rest position
Ø 5/6/8/10



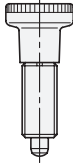
Other features:

- 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

Page 894

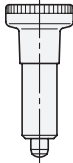
Without rest position
Ø 5/6/8/10



GN 618

Page 896

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

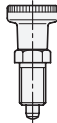


GN 617.2

Page 895

Type B

Without rest position
Ø 5/6/8/10

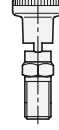
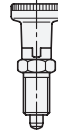


GN 617.2

Page 895

Type C

With rest position
Ø 5/6/8/10



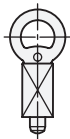
Other features:

- Guide plastic
- Plunger pin, steel hardened or stainless steel
- Low-cost stainless steel version

GN 722.4

Page 897

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



Other features:

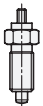
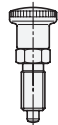
- Indexing plungers for welding
- Guide steel or stainless steel
- Plunger pin steel, zinc plated or stainless steel
- Desmontable
- Type A: mounted
- Type AU: unmounted

GN 817

Page 898

Type B / G

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

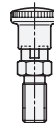
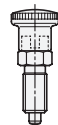


GN 817

Page 898

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

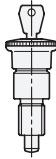
Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 814

Page 899

Without rest position
lockable
Ø 8/10/12



Other features:

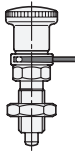
- Guide stainless steel
- Plunger pin chemically nickel plated
- Locks with same or different key
- Type A / AK: Front locking
- Type E / EK: Front and rear locking

GN 817.6

Page 900

Type EB

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

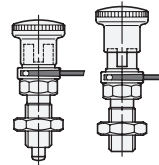


GN 817.6

Page 900

Type EC

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



Other features:

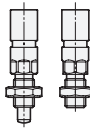
- Guide stainless steel
- Plunger pin stainless steel
- Sensor for position monitoring of the plunger pin
- Locking mechanism integrated in the knob

GN 817.7

Page XYZ

Coding OP

pneumatically operated
without position query
Ø 6/ 8/10/12

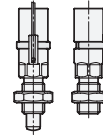


GN 817.7

Page XYZ

Coding BS0,4

pneumatically operated
with position query
Ø 6/ 8/10/12



Other features:

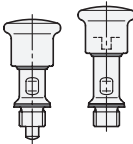
- Guide stainless steel
- Plunger pin stainless steel
- pneumatically double-acting / single-acting protruding/retracting
- Coding BS0,4: Sensor for position monitoring of the plunger pin

GN 8170

Page 902

Front Hygiene FH

With/without rest position
Ø 6/8

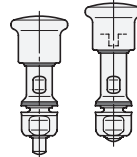


GN 8170

Page 903

Full Hygiene VH

With /without rest position
Ø 6/8



Other features:

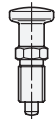
- Hygienic Design
- Seals blau, FDA-konType
- Type B: without rest position
- Type C: with rest position
- DGUV certified

GN 818

Page 904

Type B / BK / BN / BKN

Without rest position
Ø 4/5/6/8/10/12

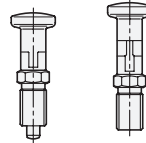


GN 818

Page 905

Type C / CK / CN / CKN

With rest position
Ø 4/5/6/8/10/12



Other features:

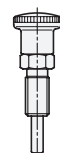
- Guide stainless steel AISI 316
- Plunger pin stainless steel AISI 316
- Type B/BK/C/CK: Knob plastic
- Type BN/BKN/CN/BKN: Knob stainless steel
- Pressure spring stainless steel

GN 817.8

Page 906

Type B

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

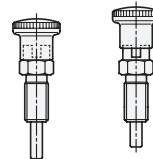


GN 817.8

Page 906

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 Plungers - Overview of Types

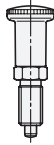
Unlocking by Pulling the Plunger Pin

GN 817.2

Page 907

Type B

Without rest position
With long knob
Ø 4/5/6/8/10/12

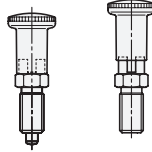


GN 817.2

Page 907

Type C

With rest position
With long knob
Ø 4/5/6/8/10/12



Other features:

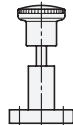
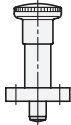
- Guide steel, blackened or stainless steel
- 2 strokes/plunger pin-Ø 4/5/6/8
- Plunger pin, steel hardened
- High precision plunger pin guide
- Locking mechanism integrated in the knob

GN 817.1

Page 908

Type B

Without rest position
Ø 6/8/10

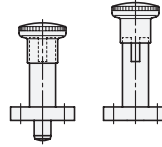


GN 817.1

Page 908

Type C

With rest position
Ø 6/8/10



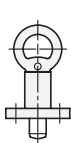
Other features:

- 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

Page 909

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



Other features:

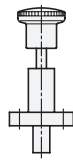
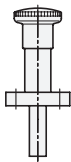
- Guide steel precision casting, blue passivated or powder coated or stainless steel
- Plunger pin steel, zinc plated or stainless steel
- Pressure spring stainless steel
- Desmontable

GN 817.9

Page 910

Type B

Without rest position
Ø 7/8/10
Length: 20/25/30

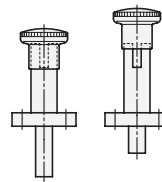


GN 817.9

Page 910

Type C

With rest position
Ø 7/8/10
Length: 20/25/30



Other features:

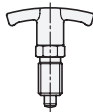
- Designed for plunger pins in special design for small pieces
- All individual parts are delivered as an unassembled set so that the plunger pins can be modified.
- Guide zinc die casting, black plastic coated
- Plunger pin stainless steel
- Locking mechanism integrated in the knob

GN 817.4

Page 911

Type B

Without rest position
With T-Handle
Ø 6/8/10/12

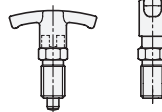


GN 817.4

Page 911

Type C

With rest position
With T-Handle
Ø 6/8/10/12



Other features:

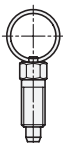
- Guide steel, blackened or stainless steel
- Plunger pin steel, hardened
- High precision plunger pin guide
- Locking mechanism integrated in the knob
- Reduced dimensions

GN 717

Page 912

Type A / D

Without rest position
Ø 3/4/5/6/8/10



GN 717

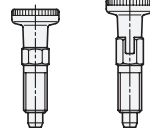
Page 913

Type B

Without rest position

Type C

With rest position
Ø 3/4/5/6/8/10



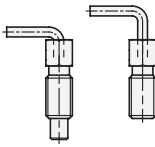
Other features:

- 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

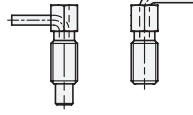
Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 7017
Page 914
Type B / BK
 Without rest position
 Ø 4/5/6/8/10



GN 7017
Page 914
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
Page 915
Type A
 Without rest position
 Ø 5/6/8/10



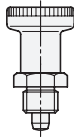
GN 413
Page 915
Type C
 With rest position
 Ø 5/6/8/10



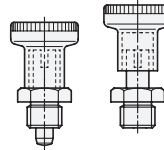
Other features:

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

GN 607
Page 916
 Without rest position
 Ø 6/8



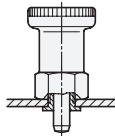
GN 607.1
Page 917
 With rest position
 Ø 6/8



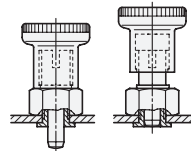
Other features:

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

GN 607.2
Page 918
 Without rest position
 Ø 6/8



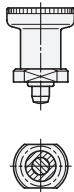
GN 607.3
Page 919
 With rest position
 Ø 6/8



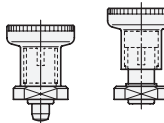
Other features:

- 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
Page 920
 Without rest position
 Ø 6/8



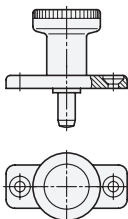
GN 607.5
Page 921
 With rest position
 Ø 6/8



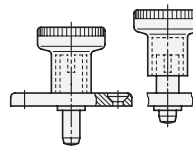
Other features:

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

GN 608
GN 608.5
Page 922
 Without rest position
 Ø 6/8



GN 608.1
GN 608.6
Page 923
 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

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9



Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

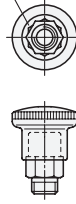
GN 822
 Page 924
Type B
 Without rest position
 Ø 4/5/6/7



GN 822
 Page 924
Type C
 With rest position
 Ø 4/5/6/7



6 indexing positions



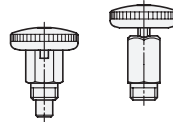
Other features:

- 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
 Page 924
Type B
 Without rest position
 With low knob
 Ø 4/5/6/7



GN 822.1
 Page 924
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

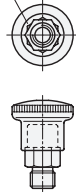
GN 822.6
GN 822.7
 Page 926 / 927
Type B / BN
 Without rest position
 Ø 4/5/6/7/8/10



GN 822.6
GN 822.7
 Page 926 / 927
Type C / CN
 With rest position
 Ø 4/5/6/7/8/10



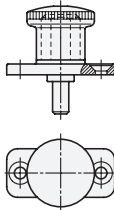
6 indexing positions



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
 Page 928 / 929
Type B / BN
 Without rest position
 Ø 4/5/6/7/8/10



GN 822.8
GN 822.9
 Page 928 / 929
Type C / CN
 With rest position
 Ø 4/5/6/7/8/10



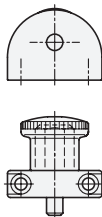
6 indexing positions



Other features:

- Smallest dimensions
- 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
 Page 930
Type B
 Without rest position
 Ø 5/6 / 8 / 10



GN 412
 Page 930
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

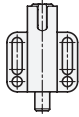
Indexing Plungers - Overview of Types

Unlocking by Pulling the Plunger Pin

GN 416
Page 931

Type S

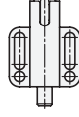
Without locking
in normal position
Without rest position
Ø 6 / 8 / 10 / 12



GN 416
Page 931

Type L1 / R1

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



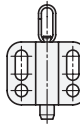
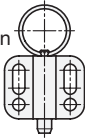
Other features:

- 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
Page 934

Type A / D

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



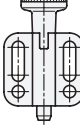
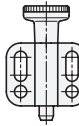
GN 417
Page 935

Type B

Without rest position

Type C

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

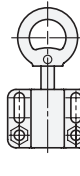
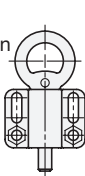


Other features:

- 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
Page 936

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



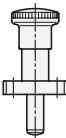
Other features:

- 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
Page 938

Type B

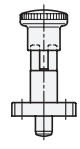
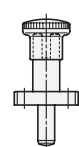
Without rest position
Plunger pin cylindrical
Ø 6 / 8 / 10



GN 817.3
Page 938

Type C

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



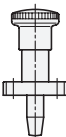
Other features:

- 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
Page 939

Type B

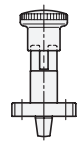
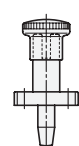
Without rest position
Plunger pin conical
Ø 6 / 8 / 10



GN 817.5
Page 939

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



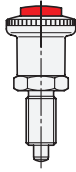
Indexing Plungers - Overview of Types

Special Functions

GN 414

Page 942

With safety lock
Ø 6/8/10



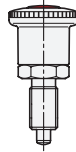
Other features:

- 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

Page 943

With rest position
Ø 6/8/10



Other features:

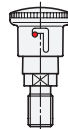
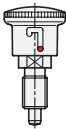
- The rest position is achieved automatically in case of a retracted plunger pin and the unlocking using the push-button
- Guide steel, blackened or stainless steel
- Plunger pin, steel hardened
- Knob black, push-button red

GN 816

Page 944

Type A

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



GN 816

Page 944

Type B

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



Other features:

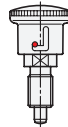
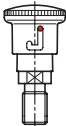
- Rest position secured against unintended release
- Guide steel, zinc plated
- Plunger pin stainless steel AISI 303
- Type B: Operation possible only with special key GN 816-10 (safety function)

GN 816.1

Page 946

Type A

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



GN 816.1

Page 946

Type B

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



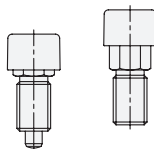
Other features:

- 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

Page 948

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

Indexing Plungers - Overview of Types

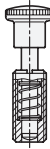
Special Functions

GN 313

Page 949

Plunger pin
in normal position
retracted

Type A: With knob
Ø 5/6/8/10



GN 313

Page 949

Plunger pin
in normal position
retracted

Type D: Without knob
Ø 5/6/8/10



Other features:

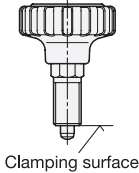
- In the normal position (non-actuated), the bolt is not protruding, i.e. it remains retracted by a pressure spring
- Guide steel, blackened or stainless steel
- Plunger pin stainless steel



GN 7336.7

Page 950

Clamping knobs
With plunger pin
Ø 5/6/8



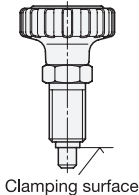
Other features:

- Knurled screw with "integrated" pressure 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

Page 951

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

3.1

3.2

3.3

3.4

3.5

3.6

3.7

3.8

3.9

