

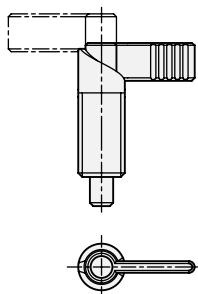
# Cam action indexing plungers

Range



## GN 612 GN 612 ... NI

Cam action  
indexing plungers



**Ø Plunger / Stroke**  
Ø 4 / 6 ... Ø 12 / 12

**Dimensions / Assembly**  
M 10 ... M 20  
M 10 x 1 ... M 20 x 1,5

### Material / Finish

- Steel version:  
Body blackened,  
Plunger nitrided
- Version **NI**:  
Stainless Steel  
AISI 303 / AISI 316L  
Plunger  
chemically nickel plated

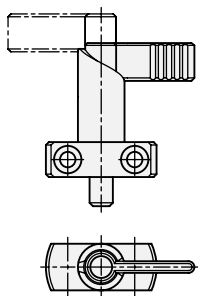
### Other features

Plunger tolerance: -0,02 / -0,04  
Bore tolerance: H7

Cam action indexing plungers GN 612 are used in cases where the locking pin must not protrude all the time. By rotating the lock through 180° the locking pin withdraws itself. A notch is provided in either position to prevent the lock from rotating.

## GN 612.2

Cam action  
indexing plungers  
with flange for surface  
mounting



**Ø Plunger / Stroke**  
Ø 6 / 10 ... Ø 12 / 12

**Dimensions / Assembly**  
Socket head cap screws  
DIN 912-M 5

### Material / Finish

- Steel  
Body blackened,  
Plunger nitrided

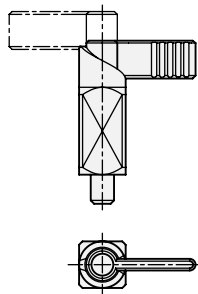
### Other features

Plunger tolerance: -0,02 / -0,04  
Bore tolerance: H7

Cam action indexing plungers GN 612.2 are used in cases where the locking pin must not protrude all the time. By rotating the lock through 180° the locking pin withdraws itself. A notch is provided in either position to prevent the lock from rotating.

## GN 612.3

Cam action  
indexing plungers  
for welding



**Ø Plunger / Stroke**  
Ø 6 / 10 ... Ø 12 / 12

**Dimensions / Assembly**  
for welding

### Material / Finish

- Steel  
weldable  
Body blackened,  
Plunger nitrided

### Other features

Plunger tolerance: -0,02 / -0,04  
Bore tolerance: +0,1 / + 0,14

Cam action indexing plungers GN 612.3 are used in cases where the locking pin must not protrude all the time. By rotating the lock through 180° the locking pin withdraws itself. A notch is provided in either position to prevent the lock from rotating.

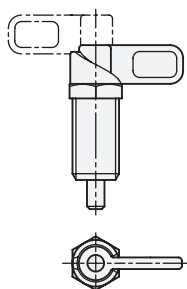
# Cam action indexing plungers

Range



## GN 612.8

Cam action  
indexing plungers



### Ø Plunger / Stroke

Ø 6 / 10 ... Ø 12 / 12

### Dimensions / Assembly

M 16 x 1,5 / M 20 x 1,5

- Body **zinc die casting**  
Zinc die casting,  
corrosion-resistant  
via nano®-coating
- Plunger  
Steel, zinc plated
- Latch plastic

### Other features

Plunger tolerance: -0,05

Bore tolerance: +0,1 / +0,05

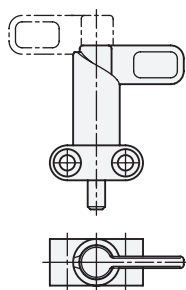
Cam action indexing plungers GN 612.8 are used in cases where the locking pin must not protrude all the time. By rotating the lock through 180° the locking pin withdraws itself. A notch is provided in either position to prevent the lock from rotating.

*Distance bushes GN 609*

*Flat hexagonal nuts GN 909 / GN 909.5*

## GN 612.9

Cam action  
indexing plungers  
with flange for surface  
mounting



### Ø Plunger / Stroke

Ø 6 / 10 ... Ø 12 / 12

### Dimensions / Assembly

Socket head cap screws  
DIN 912-M 5

### Material / Finish

- Body **zinc die casting**  
plastic coated  
black
- Plunger  
Steel, zinc plated
- Latch plastic

### Other features

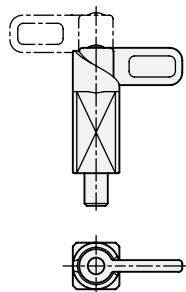
Plunger tolerance: -0,05

Bore tolerance: +0,1 / +0,05

Cam action indexing plungers GN 612.9 are used in cases where the locking pin must not protrude all the time. By rotating the lock through 180° the locking pin withdraws itself. A notch is provided in either position to prevent the lock from rotating.

## GN 722.1

Spring latches  
for welding



### Ø Plunger / Stroke

Ø 8 / 14 ... Ø 14 / 14

### Dimensions / Assembly

for welding

### Material / Finish

- Body / Latch:  
Precision cast
- Body blackened,
- Latch / Plunger  
zinc plated

### Other features

Plunger tolerance: -0,05 / -0,25

Bore tolerance: +0,1 / +0,3

Spring latches GN 722.1 are used when the indexing pin is temporarily not allowed to protrude. The indexing pin retracts by turning the latch by 180°. A lock notch will hold the latch in both positions.

They are designed for use in steel construction or in locksmith shops where less precise positioning / locking is normally required. Therefore functional safety is guaranteed even under dirt exposure.

*Flat hexagonal nuts GN 909 / GN 909.5*

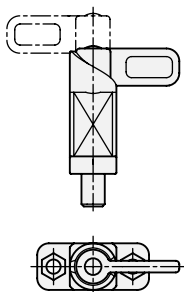
# Cam action indexing plungers

Range



## GN 722.2

Spring latches  
with flange  
for surface mounting



### Ø Plunger / Stroke

Ø 8 / 14 ... Ø 14 / 14

### Dimensions / Assembly

for surface mounting

### Material / Finish

- Body / Latch:  
Precision cast
- Body zinc plated  
and black plastic coated
- Latch / Plunger  
zinc plated

### Other features

Plunger tolerance: -0,05 / -0,25

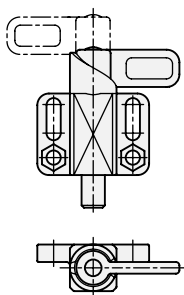
Bore tolerance: +0,1 / +0,3

Spring latches GN 722.2 are used when the indexing pin is temporarily not allowed to protrude. The indexing pin retracts by turning the latch by 180°. A lock notch will hold the latch in both positions.

They are designed for use in steel construction or in locksmith shops where less precise positioning / locking is normally required. Therefore functional safety is guaranteed even under dirt exposure.

## GN 722.3

Spring latches  
with flange  
for surface mounting



### Ø Plunger / Stroke

Ø 8 / 14 ... Ø 14 / 14

### Dimensions / Assembly

for surface mounting

### Material / Finish

- Body / Latch:  
Precision cast
- Body zinc plated  
and black plastic coated
- Latch / Plunger  
zinc plated

### Other features

Plunger tolerance: -0,05 / -0,25

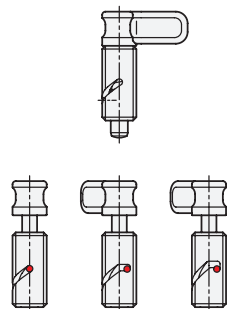
Bore tolerance: +0,1 / +0,3

Spring latches GN 722.3 are used when the indexing pin is temporarily not allowed to protrude. The indexing pin retracts by turning the latch by 180°. A lock notch will hold the latch in both positions.

They are designed for use in steel construction or in locksmith shops where less precise positioning / locking is normally required. Therefore functional safety is guaranteed even under dirt exposure.

## GN 712

Cam action indexing  
plungers, plunger in  
normal position protruded



### Ø Plunger / Stroke

Ø 6 / 8 ... Ø 10 / 8

### Dimensions / Assembly

M 16 x 1,5

### Material / Finish

- Body  
Steel, zinc plated
- Plunger  
Stainless Steel AISI 303
- Latch plastic

### Other features

Plunger tolerance: h9

Bore tolerance: +0,03 / +0,08

Cam action indexing plungers GN 712 are used in such applications where the plunger must not protrude continually. When turning the cam by 90 resp. 120 degrees in anti-clockwise direction, the plunger is moved through a curved opening in the body.

There are three different types available:

- the plunger moved back by a spring in its original position
- the plunger held in retracted position
- the plunger resp. is secured against accidental operation

Flat hexagonal nuts GN 909

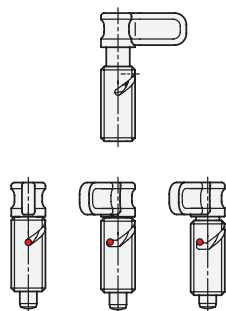
# Cam action indexing plungers

Range



## GN 712.1

Cam action indexing plungers, plunger in normal position retracted



### Ø Plunger / Stroke

Ø 6 / 8 ... Ø 8 / 8

### Dimensions / Assembly

M 16 x 1,5

### Material / Finish

- Body  
Steel, zinc plated
- Plunger  
Stainless Steel AISI 303
- Latch plastic

### Other features

Plunger tolerance: h9

Bore tolerance: +0,03 / +0,08

Cam action indexing plungers GN 712.1 are used in such applications where the plunger has to protrude only occasionally. When turning the cam by 90 resp.120 degrees in clockwise direction, the plunger is moved through a curved opening in the body.

There are three different types available:

- the plunger moved back by a spring in its original position
- the plunger held in protruded position
- the plunger resp. is secured against accidental operation

Flat hexagonal nuts GN 909