



- 2 Type
- G

With thread
- R

With indexing plunger
- D

With ball plunger

Metric table

1

| s | d ₁ | d ₂ | d ₃ | d ₄ | k | l ₁ | l ₂ | m | t | x ₁ | x ₂ | y ₁ | y ₂ | z | Accessory |
|--------|----------------|----------------|----------------------------------|----------------|--------------------|----------------|----------------|--------------|------------|----------------|----------------|----------------|----------------|---|---|
| Square | Thread | | Pin -0.05 Bore +0.03 -0.08 | Ball Ø | Clamping length | | | | | | | | | Screw locations for screw size | Recommended lever GN 911 for z l ₃ |
| V 25 | M 8 | 6.5 0.26 | 5 0.20 | 3.5 0.14 | 50 1.97 | 53 2.09 | 68 2.68 | 30 1.18 | 7 0.28 | 50 1.97 | 35 1.38 | 75 2.95 | 60 2.36 | M8-35 | 78 3.07 |
| V 30 | M 8 | 6.5 0.26 | 5 0.20 | 3.5 0.14 | 50 1.97 | 53 2.09 | 68 2.68 | 30 1.18 | 7 0.28 | 50 1.97 | 35 1.38 | 75 2.95 | 60 2.36 | M8-35 | 78 3.07 |
| V 40 | M 12 | 11 0.43 | 8 0.31 | 6.5 0.26 | 76 2.99 | 81.5 3.21 | 98 3.86 | 46.5 1.83 | 14 0.55 | 76 2.99 | 50 1.97 | 115 4.53 | 90 3.54 | M10-60 | 92 3.62 |
| V 50 | M 12 | 11 0.43 | 8 0.31 | 6.5 0.26 | 76 2.99 | 81.5 3.21 | 98 3.86 | 46.5 1.83 | 14 0.55 | 76 2.99 | 50 1.97 | 115 4.53 | 90 3.54 | M10-60 | 92 3.62 |

Dimensions in: millimeters - inches

Specification

- 3
- Body

Aluminum

Powder coated

Black, RAL 9005, textured finish

SW
- Mounting / transfer elements

- Socket cap screws DIN 912

- Hex nuts DIN 985

- Centering bushings

Stainless steel AISI 304
- Indexing plunger GN 717, Type CK

- Stainless steel plunger pin AISI 303

- Plastic knob

Technopolymer (Polyamide PA)

Black, matte finish
- Ball plunger GN 615.9, Type KN

- Stainless steel AISI 304

- Ball with friction bearing

- With internal hex

- With stainless steel lock nut ISO 4035
- Stainless Steel Characteristics → page 2143

• RoHS compliant

Information

With GN 147.7 flanged connector clamps, recurring positions can be moved to quickly and easily along a square construction tube. The required holes for type R, or countersinks for type D, can either be drilled by the user according to the construction information or ordered completely machined as GN 990.1 construction tubes with locating holes.

For quick clamping without tools, the socket cap screws at the screw locations z can be replaced by the GN 911 adjustable levers listed in the table as accessories. Centering bushings at the screw locations eliminate the axial play between the top and bottom parts of the connector clamps.

GN 147.7 flanged connector clamps are delivered with loosely enclosed indexing plunger (type R) or ball plunger (type D). Type G with thread is universally suitable for specific applications.

see also...

• Construction Tubes with Locating Holes GN 990.1 → page 1957

• Construction Tubes GN 990 (Square, without Locating Holes) → page 1836

• Square Linear Actuators GN 291.1 → page 1952

Accessory

- Adjustable levers GN 911 → page 1810

| | |
|-------------------|------------|
| How to order | 1 Square s |
| 1 2 3 | 2 Type |
| GN 147.7-V30-D-SW | 3 Finish |