



| <b>1</b><br>$d_1$<br>Bore | <b>2</b><br>$k$<br>Clamping length | $d_2$ | $l_1$ | $l_2$ | $m$ | $t$ | $x$  | $y_1$ | $y_2$ | $z$<br>Screw location | <b>Accessory</b><br>Recom. hand lever<br>GN 911.9 for $z$<br>$l_3$ |    |
|---------------------------|------------------------------------|-------|-------|-------|-----|-----|------|-------|-------|-----------------------|--|----|
| B 18                      | 29                                 | 5,3   | 41    | 29    | 18  | 5   | 34,5 | 52    | 40    | M6-18                 | 44   | 63 |
| B 30                      | 45                                 | 6,5   | 61,5  | 44    | 30  | 8   | 49,5 | 80    | 60    | M8-25                 | 63   | 78 |

- Specification**
- Plastic
    - Technopolymer (Polyamide PA)
    - Glass fiber reinforced
    - Temperature resistant up 100 °C
    - Black, RAL 9005, matte finish
    - Gray, RAL 7040, matte finish
    - Blue, RAL 5005, matte finish
  - FDA compliant plastic granulate
  - Visually detectable

● **SW**

● **GR**

● **VDB**

- Socket cap screw DIN 912
    - Stainless steel AISI 304
  - Hex nut DIN 985
    - Stainless steel AISI 304
    - Self-locking via polyamide ring
  - Load Rating Information → Page XYZ
  - Plastic Characteristics → Page XYZ
  - Stainless Steel Characteristics → Page XYZ
  - RoHS
- Accessory**

- Adapter Bushings GN 290 → Page XYZ
  - Adjustable Hand Levers GN 911.9 → Page XYZ
- Information**

The clamping bore axis of the flanged connector clamps GN 146.9 lies on a plane parallel to the surface of the flange. It holds typical construction tubes with full surface contact over the entire cross-section of the bore.

At the screw location  $z$ , the socket cap screw reduces the bore cross-section for clamping. Adapter bushings GN 290 can be used to reduce the bore cross-sections to a smaller diameter.

For clamping without tools, the socket cap screws can be replaced by the adjustable hand levers GN 911.9 listed in the table as accessories.

The plastic used in version VDB is made from blue, visually detectable and FDA-compliant plastic granulate as per FDA CFR.21 and EU 10/2011.

**see also...**

  - Construction Tubes GN 990 → Page XYZ
- | How to order |                    |
|--------------|--------------------|
| <b>1</b>     | $d_1$              |
| <b>2</b>     | $k$                |
| <b>3</b>     | Identification no. |
| <b>4</b>     | Color              |

**GN 146.9-B30-45-2-SW**
- 3.7 Connecting, Assembling with Clamping and Connecting Elements |

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