

# GN 133

## Two-way connector clamps

### •Material

Aluminium.

### •Finish

- Version **SW**: RAL 9005 black colour, matte finish, epoxy resin coating.
- Version **BL**: blank, matte shot-blasted.

### •Clamping screws

- Identification no. **1**: with two clamping screws DIN 912 and nuts DIN 985, zinc-plated.
- Identification no. **2**: with two AISI 304 stainless steel-clamping screws DIN 912 and nuts DIN 985.

### •Assembly

The standard clamping bolts are socket cap screws DIN 912, supplied assembled. They can be replaced by clamping kits GN 911 (description see table of dimensions).

### Features and applications

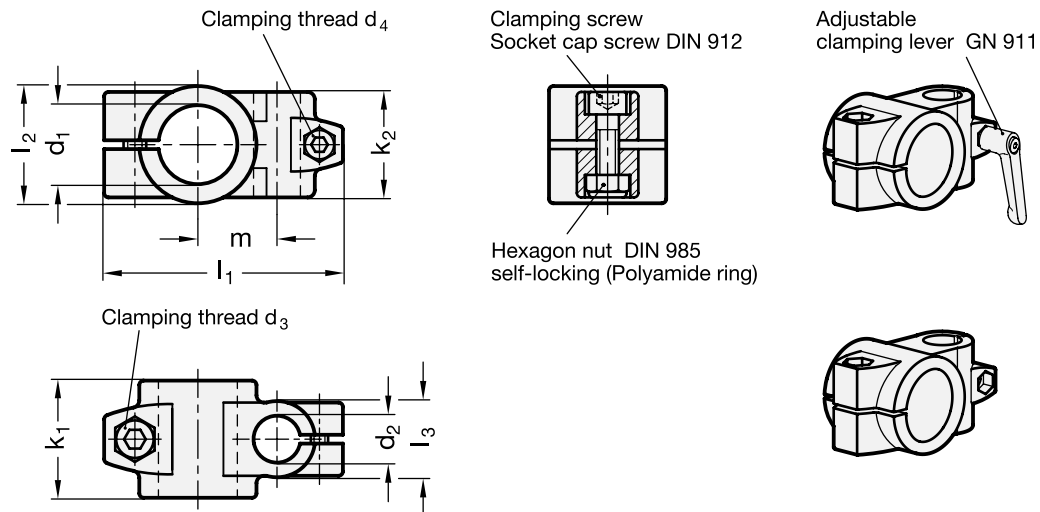
The clamping bores of the two-way connector clamps GN 133 are mechanically machined and designed for construction tubings GN 990 or DIN 2391, DIN 2395 and DIN 2462 respectively.

### Accessories

- Construction tubings GN 990 (see page 109ff.).
- Clamping kits GN 911 (clamping handles GN 300.1 with distance bushing) see page 116.

### Special designs on request (For sufficient quantities)

Different combinations of bores  $d_1/d_2$ .



| Standard Elements  | Main dimensions |     |    |    |    |    |      |    |    |    | Clamping kits |              | g   |
|--------------------|-----------------|-----|----|----|----|----|------|----|----|----|---------------|--------------|-----|
|                    | d1              | d2  | d3 | d4 | k1 | k2 | l1   | l2 | l3 | m  | for d3        | for d4       |     |
| GN 133-B20-B12-1-* | B20             | B12 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 177 |
| GN 133-B20-B14-1-* | B20             | B14 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 174 |
| GN 133-B20-B16-1-* | B20             | B16 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 169 |
| GN 133-B20-B18-1-* | B20             | B18 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 165 |
| GN 133-B25-B12-1-* | B25             | B12 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 160 |
| GN 133-B25-B14-1-* | B25             | B14 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 156 |
| GN 133-B25-B16-1-* | B25             | B16 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 151 |
| GN 133-B25-B18-1-* | B25             | B18 | M8 | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 | GN 911-M8-32  | GN 911-M6-25 | 136 |

\* Complete the description of the standard item needed by adding the finish of the connector clamps: BL (blank) or SW (black).

| Standard Elements  | Main dimensions |     |     |    |    |    |      |    |    |    | Clamping kits |               | △△<br>g      |        |
|--------------------|-----------------|-----|-----|----|----|----|------|----|----|----|---------------|---------------|--------------|--------|
|                    | Description     | d1  | d2  | d3 | d4 | k1 | k2   | l1 | l2 | l3 | m             | for d3        |              | for d4 |
| GN 133-B30-B12-1.* | B30             | B12 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 135    |
| GN 133-B30-B14-1.* | B30             | B14 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 133    |
| GN 133-B30-B16-1.* | B30             | B16 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 128    |
| GN 133-B30-B18-1.* | B30             | B18 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 124    |
| GN 133-B40-B20-1.* | B40             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 640    |
| GN 133-B40-B25-1.* | B40             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 601    |
| GN 133-B40-B30-1.* | B40             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 569    |
| GN 133-B42-B20-1.* | B42             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 603    |
| GN 133-B42-B25-1.* | B42             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 578    |
| GN 133-B42-B30-1.* | B42             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 547    |
| GN 133-B45-B20-1.* | B45             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 567    |
| GN 133-B45-B25-1.* | B45             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 542    |
| GN 133-B45-B30-1.* | B45             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 511    |
| GN 133-B48-B20-1.* | B48             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 533    |
| GN 133-B48-B25-1.* | B48             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 508    |
| GN 133-B48-B30-1.* | B48             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 477    |
| GN 133-B50-B20-1.* | B50             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 506    |
| GN 133-B50-B25-1.* | B50             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 481    |
| GN 133-B50-B30-1.* | B50             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 450    |
| GN 133-B20-B12-2.* | B20             | B2  | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 180    |
| GN 133-B20-B14-2.* | B20             | B14 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 174    |
| GN 133-B20-B16-2.* | B20             | B16 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 170    |
| GN 133-B20-B18-2.* | B20             | B18 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 170    |
| GN 133-B25-B12-2.* | B25             | B12 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 159    |
| GN 133-B25-B14-2.* | B25             | B14 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 155    |
| GN 133-B25-B16-2.* | B25             | B16 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 150    |
| GN 133-B25-B18-2.* | B25             | B18 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 147    |
| GN 133-B30-B12-2.* | B30             | B12 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 135    |
| GN 133-B30-B14-2.* | B30             | B14 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 128    |
| GN 133-B30-B16-2.* | B30             | B16 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 128    |
| GN 133-B30-B18-2.* | B30             | B18 | M8  | M6 | 40 | 36 | 81.5 | 40 | 26 | 27 |               | GN 911-M8-32  | GN 911-M6-25 | 124    |
| GN 133-B40-B20-2.* | B40             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 640    |
| GN 133-B40-B25-2.* | B40             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 601    |
| GN 133-B40-B30-2.* | B40             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 570    |
| GN 133-B42-B20-2.* | B42             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 600    |
| GN 133-B42-B25-2.* | B42             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 600    |
| GN 133-B42-B30-2.* | B42             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 600    |
| GN 133-B45-B20-2.* | B45             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 510    |
| GN 133-B45-B25-2.* | B45             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 510    |
| GN 133-B45-B30-2.* | B45             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 510    |
| GN 133-B48-B20-2.* | B48             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 475    |
| GN 133-B48-B25-2.* | B48             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 475    |
| GN 133-B48-B30-2.* | B48             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 475    |
| GN 133-B50-B20-2.* | B50             | B20 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 505    |
| GN 133-B50-B25-2.* | B50             | B25 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 480    |
| GN 133-B50-B30-2.* | B50             | B30 | M10 | M8 | 65 | 59 | 122  | 65 | 40 | 45 |               | GN 911-M10-55 | GN 911-M8-32 | 450    |

\* Complete the description of the standard item needed by adding the finish of the connector clamps: BL (blank) or SW (black).