



- 1 Powerful clamping brackets structure**
  - high level of clamping force
  - excellent sealing properties
- 2 Bridge**
  - optimum hose protection

## DIN 3016, DIN 3017

Thanks to their robust clamping brackets structure featuring metric bolts, NORMACLAMP® S/SP clamps provide a high level of clamping force. The two-part version is recommended for exceptionally high pressure and tensile loads.



### Advantages at a glance

- High level of clamping force
- Even contact pressure
- Elbow fittings, brackets or lugs can be attached
- Clamps can be fitted with a rubber profile in order to absorb vibrations and protect against the ingress of creeping water

### Applications

- Machine building
- Chemical industry
- Irrigation systems
- Ship manufacturing
- Railway industry
- Agricultural machines
- Building machines
- Engine manufacturing
- Pump and filter

### Materials

| W1 | W2 | W3 | W4 | W5 |
|----|----|----|----|----|
| x  |    |    | x* | x  |

\*Only for the 30 mm band width

| Material | Corrosion resistance in salt spray testing |
|----------|--|
| W1       | Min. 72 h                                  |
| W5       | Min. 400 h                                 |

| NORMACLAMP® S/SP    |                              |                          |     |  |     |
|---------------------|------------------------------|--------------------------|-----|--|-----|
| Band width<br>$b_1$ | Minimum $\emptyset$<br>in mm | Material thickness in mm |     |  |     |
|                     |                              | S                        |     | SP   |     |
|                     |                              | W1                       | W5  | W1   | W5  |
| 5                   | 5                            | 0.2                      | –   | 0.2  | –   |
| 7                   | 6                            | 0.3/0.4                  | 0.4 | 0.4  | 0.4 |
| 9                   | 9                            | 0.4                      | 0.4 | 0.6  | 0.4 |
| 12                  | 12                           | 0.5                      | 0.5 | 0.7  | 0.5 |
| 15                  | 20                           | 0.6                      | 0.6 | 0.8  | 0.6 |
| 20                  | 25                           | 1.0                      | 0.8 | (up to $\emptyset$ 47) 1.0<br>(from $\emptyset$ 48) 1.25 | 0.8 |
| 25                  | 50**                         | 1.25                     | 1.0 | 1.25/1.5   | 1   |

## Bolts

| NORMACLAMP® S/SP |        |          |         |
|------------------|--------|----------|---------|
| Band width<br>mm | Zy     | Sz       | Sk      |
| 5                | M 2x12 |          |         |
| 7                | M 3x16 |          |         |
| 9                | M 4x22 | M 4 x 20 |         |
| 12               |        | M 5x25   |         |
| 15               |        | M 6x30   |         |
| 20               |        | M 8x40   |         |
| 25               |        |          | M 10x45 |

## Static torques

| NORMACLAMP® S/SP                   |                                   |                          |
|------------------------------------|-----------------------------------|--------------------------|
| Band width<br>b <sub>1</sub><br>mm | Static tightening<br>torque<br>Nm | Static test torque<br>Nm |
|                                    | max.                              |                          |
| 7                                  | 0.5                               | 0.6                      |
| 9                                  | 1.2                               | 1.5                      |
| 12                                 | 1.5                               | 1.8                      |
| 15                                 | 4                                 | 4.8                      |
| 20                                 | 12                                | 14.5                     |
| 25                                 | 30                                | 36                       |

Static torques according to DIN 3017-2

## Technical data &amp; Ordering information

| NORMACLAMP® S               |                   |               |               |               |               |               |               |               |                   |                   |               |               |               |               |               |
|-----------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|---------------|---------------|---------------|
| Clamping<br>diameter,<br>mm | W1<br>Product No. |               |               |               |               |               |               |               | W4<br>Product No. | W5<br>Product No. |               |               |               |               |               |
|                             | Band width        |               |               |               |               |               |               |               | Band width        | Band width        |               |               |               |               |               |
|                             | 5 mm<br>Zy        | 7 mm<br>Zy    | 9 mm<br>Zy    | 12 mm<br>Sz   | 15 mm<br>Sz   | 20 mm<br>Sz   | 25 mm<br>Sz   | 30 mm<br>Sz   | 30 mm<br>Sz       | 7 mm<br>Zy        | 9 mm<br>Zy    | 12 mm<br>Sz   | 15 mm<br>Sz   | 20 mm<br>Sz   | 25 mm<br>Sz   |
| up to 9                     | 0100 8980 ...     |               |               |               |               |               |               |               |                   |                   |               |               |               |               |               |
| up to 10                    |                   | 0110 8980 ... | 0120 8980 ... |               |               |               |               |               |                   | 0110 0700 ...     | 0120 0700 ... |               |               |               |               |
| from 15                     |                   |               | 0120 8980 ... | 0130 0005 ... | 0140 0000 ... |               |               |               |                   |                   | 0120 0700 ... | 0130 0705 ... | 0140 0700 ... |               |               |
| up to 20                    |                   |               | 0120 8980 ... | 0130 0005 ... | 0140 0000 ... |               |               |               |                   |                   | 0120 0700 ... | 0130 0705 ... | 0140 0700 ... |               |               |
| up to 28                    |                   |               | 0120 8980 ... | 0130 0005 ... | 0140 0000 ... |               |               |               |                   |                   | 0120 0700 ... | 0130 0705 ... | 0140 0700 ... |               |               |
| up to 30                    |                   |               | 0120 8980 ... |               | 0140 0000 ... |               |               |               |                   |                   | 0120 0700 ... |               | 0140 0700 ... |               |               |
| from 36                     |                   |               | 0120 8980 ... |               | 0140 0000 ... | 0150 0000 ... |               |               |                   |                   | 0120 0700 ... |               | 0140 0700 ... | 0150 0700 ... |               |
| up to 40                    |                   |               | 0120 8980 ... |               | 0140 0000 ... | 0150 0000 ... |               |               |                   |                   | 0120 0700 ... |               | 0140 0700 ... | 0150 0700 ... |               |
| up to 50                    |                   |               | 0120 8980 ... |               | 0140 0000 ... | 0150 0000 ... | 0160 0000 ... |               |                   |                   | 0120 0700 ... |               | 0140 0700 ... | 0150 0700 ... | 0160 0700 ... |
| up to 60                    |                   |               | 0120 8980 ... |               | 0140 0000 ... | 0150 0000 ... | 0160 0000 ... |               |                   |                   | 0120 0700 ... |               | 0140 0700 ... | 0150 0700 ... | 0160 0700 ... |
| up to 70                    |                   |               | 0120 8980 ... |               | 0140 0000 ... | 0150 0000 ... | 0160 0000 ... |               |                   |                   | 0120 0700 ... |               | 0140 0700 ... | 0150 0700 ... | 0160 0700 ... |
| up to 75                    |                   |               | 0120 8980 ... |               | 0140 0000 ... | 0150 0000 ... | 0160 0000 ... | 0180 0000 ... | 0180 0700 ...     |                   | 0120 0700 ... |               | 0140 0700 ... | 0150 0700 ... | 0160 0700 ... |
| up to 80                    |                   |               |               |               | 0140 0000 ... | 0150 0000 ... | 0160 0000 ... | 0180 0000 ... | 0180 0700 ...     |                   |               |               | 0140 0700 ... | 0150 0700 ... | 0160 0700 ... |
| up to 90                    |                   |               |               |               | 0140 0000 ... | 0150 0000 ... | 0160 0000 ... | 0180 0000 ... | 0180 0700 ...     |                   |               |               | 0140 0700 ... | 0150 0700 ... | 0160 0700 ... |
| up to 100                   |                   |               |               |               | 0140 0000 ... | 0150 0000 ... | 0160 0000 ... | 0180 0000 ... | 0180 0700 ...     |                   |               |               | 0140 0700 ... | 0150 0700 ... | 0160 0700 ... |
| up to 110                   |                   |               |               |               |               | 0150 0000 ... | 0160 0000 ... | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... | 0160 0700 ... |
| up to 120                   |                   |               |               |               |               | 0150 0000 ... | 0160 0000 ... | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... | 0160 0700 ... |
| up to 130                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |
| up to 140                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |
| up to 150                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |
| up to 160                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |
| up to 170                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |
| up to 180                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |
| up to 190                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |
| up to 200                   |                   |               |               |               |               | 0150 0000 ... |               | 0180 0000 ... | 0180 0700 ...     |                   |               |               |               | 0150 0700 ... |               |

... = 0 without decimals in mm

**SP Simple**



NORMACLAMP® SP Simple is suitable for attaching rubber and plastic hoses as well as rubber sleeves to pipe ends or hose spigots. This clamp can be used for clamping containers, pipes and cables.

**Materials**

| W1 | W2 | W3 | W4 | W5 |
|----|----|----|----|----|
| x  | x  |    |    | x* |

\*On request

**SP Double**



NORMACLAMP® SP Double enables larger diameters to be clamped easily thanks to its multi-part design.

**Materials**

| W1 | W2 | W3 | W4 | W5 |
|----|----|----|----|----|
| x  | x  |    |    | x* |

\*On request

**SPGU**



NORMACLAMP® SPGU has a rubber profile that protects against vibrations and creeping water. It is also sound-absorbent and protects against contact corrosion.

**Materials**

| W1 | W2 | W3 | W4 | W5 |
|----|----|----|----|----|
| x  | x  |    |    | x* |

\*On request

**Ordering information**

| NORMACLAMP® SP SPGU |               |               |
|---------------------|---------------|---------------|
| Material            | SP            | SPGU          |
| W1                  | 0181 0000 ... | 0181 9000 ... |
| W4                  | 0181 0700 ... | 0181 9700 ... |

... = Ø without decimals in mm

