

## Features

Max. tensile strength 700 N, working load 480 N.

Increased grip range.

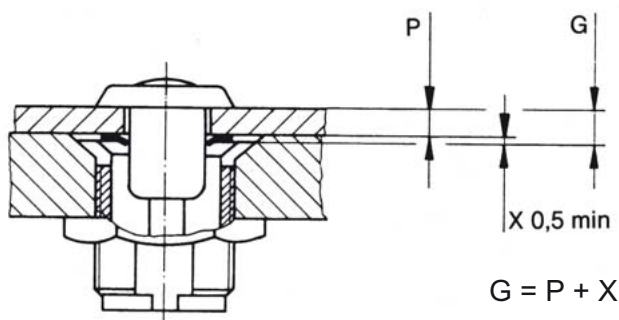
Externally threaded receptacles for use in castings or on panels with a retaining nut (see page C-3).

Encapsulated design, splash-proof.

## Selection Instructions

1. Select stud assembly and receptacle, page C-2 and C-3.
2. Select hex nut for receptacle, if necessary, page C-3.
3. Select stud retaining washer, page C-2.
4. Select stud length number from total thickness G using the formula and table below (e.g. 99S10-01AG).

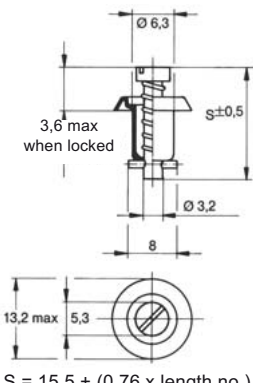
### Determining the stud length number:



| Total Thickness G | Stud Length No. |
|-------------------|-----------------|
| 0,5 - 1,5         | 01              |
| 1,5 - 3,0         | 03              |
| 3,0 - 4,5         | 05              |
| 4,5 - 6,0         | 07              |
| 6,0 - 7,5         | 09              |
| 7,5 - 9,0         | 11              |
| 9,0 - 10,5        | 13              |
| 10,5 - 12,0       | 15              |
| 12,0 - 13,5       | 17              |
| 13,5 - 15,0       | 19              |

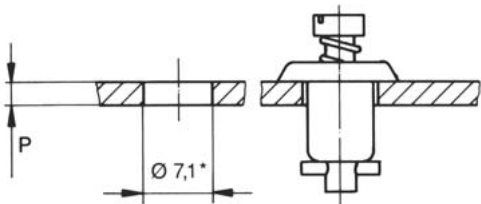
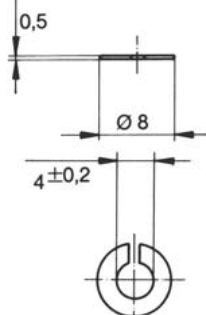
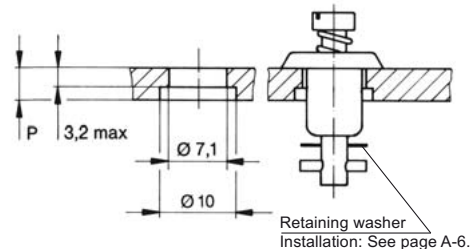
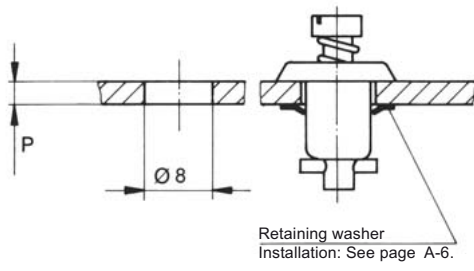
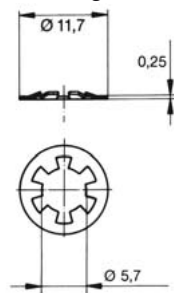
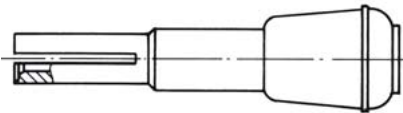
Other lengths on request.

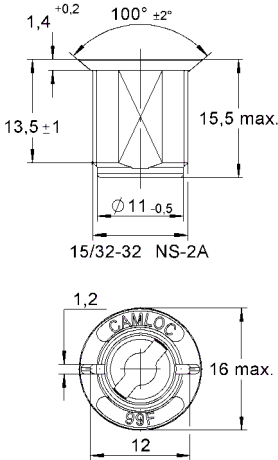
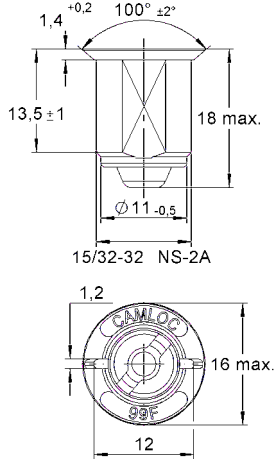
■ Preferred dash-lengths

| Style                                                                                                               | Dimensions                                                                        | Materials / Finish                                      | °C  | Part No.          |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|-----|-------------------|
| <b>Slotted Recess Head</b><br><br> |  | Steel / zinc-plated,<br>CrVI-free,<br>clear passivation | 100 | <b>V99S10-*AG</b> |

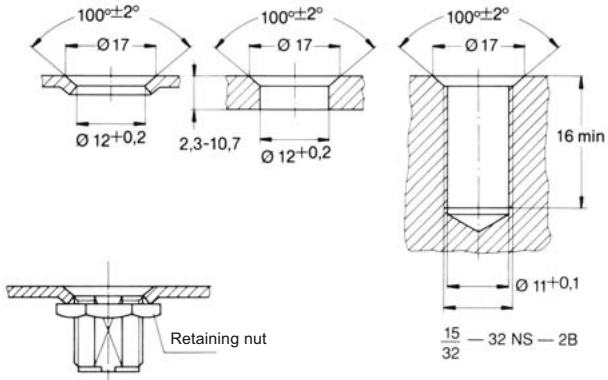
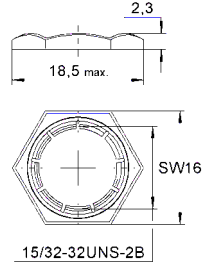
\* Length no. from Table, see page C-1.

## Stud Installation Instructions

| Installation Dimensions                                                                                                                                                                                  | Accessories                                                                                                  | Materials / Finish                                                                  | Part No.                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Panel Thickness P 0,5 - 3,2</b><br><br><br><br>* For P up to 1,65 m Ø 6,5 for installation without retaining washer | Retaining washer<br><br> | Stainless steel                                                                     | <b>2600-SW</b>                             |
| <b>Panel Thickness P over 3,2</b><br><br>                                                                             |                                                                                                              |                                                                                     |                                            |
| <b>Panel Thickness P 0,50 - 4,75</b><br><br>                                                                          | Retaining washer<br><br>  | Steel / zinc-plated,<br>CrVI-free,<br>transparent passivated<br><br>Stainless steel | <b>99W10-01A1</b><br><br><b>V2600-LW-7</b> |
|                                                                                                                       | <b>Mounting tool</b><br>for retaining washer<br>V2600-LW-7 and 99W10-01A1                                    |                                                                                     | <b>T98-1</b>                               |

| Style                                                                                                  | Dimensions                                                                         | Materials / Finish                                                                                    | °C  | Part No.          |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----|-------------------|
| <b>Open</b>           |   | Zinc die casting / zinc-plated,<br>CrVI-free,<br>clear passivation                                    | 100 | <b>99R10-01A1</b> |
| <b>Encapsulated</b>  |  | Zinc die casting / zinc-plated,<br>CrVI-free,<br>clear passivation<br><br>Capsule:<br>Stainless steel | 100 | <b>99E10-01</b>   |

## Receptacle Installation Instructions

| Installation Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Materials / Finish                                       | Part No.                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------|
|  <p>Technical drawings of the retaining nut showing top, side, and cross-sectional views with dimensions:</p> <ul style="list-style-type: none"> <li>Top view: Hexagonal shape with <math>100^\circ \pm 2^\circ</math> chamfers, <math>\varnothing 17</math> outer diameter, and <math>\varnothing 12 \pm 0,2</math> inner diameter.</li> <li>Side view: Shows the nut's profile with a height of 2,3-10,7 mm and a base diameter of <math>\varnothing 12 \pm 0,2</math>.</li> <li>Cross-sectional view: Shows the nut seated on a surface with a minimum height of 16 mm and an inner diameter of <math>\varnothing 11 \pm 0,1</math>.</li> <li>Bottom view: Shows the nut from below, labeled "Retaining nut".</li> </ul> | <p>Retaining nut</p>  <p>Technical drawings of the tap showing top and side views with dimensions:</p> <ul style="list-style-type: none"> <li>Top view: Hexagonal shape with a central cross, labeled "SW16".</li> <li>Side view: Shows the tap's profile with a height of 2,3 mm and a maximum width of 18,5 mm.</li> <li>Bottom view: Shows the tap from below, labeled "15/32-32UNS-2B".</li> </ul> | <p>Steel / zinc-plated, CrVI-free, clear passivation</p> | <p><b>99N10-01A1</b></p>     |
| <p>Installation torque 3 Nm</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>Tap</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          | <p><b>15/32-32 NS-2B</b></p> |