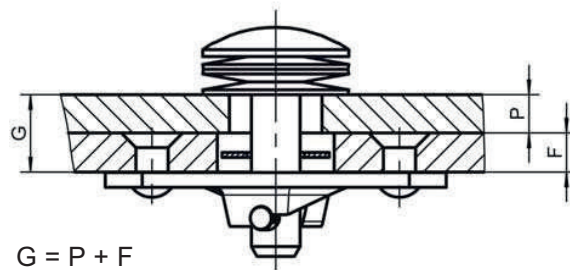


## Features

Max. tensile strength 3.700 N, working load 2.600 N.  
 Small fastener giving high tensile load.  
 Flat receptacle.  
 High preload.

## Selection Instructions

1. Select stud assembly and receptacle, page E-2 to E-4 and E-6.
2. Select retaining washer, page E-5.
3. Select stud length number from total thickness G using the formula and table below (e.g. 50E8-\*AGV).



## Stud Length Table

Total Thickness G	Stud Length No.
0,50 - 1,10	2
1,10 - 1,70	3
1,70 - 2,30	4
2,30 - 2,90	5
2,90 - 3,50	6
3,50 - 4,10	7
4,10 - 4,70	8
4,70 - 5,30	9
5,30 - 5,90	10
5,90 - 6,50	11
6,50 - 7,10	12
7,10 - 7,70	13
7,70 - 8,30	14
8,30 - 8,90	15
8,90 - 9,50	16
9,50 - 10,10	17
10,10 - 10,70	18

Other lengths on request.


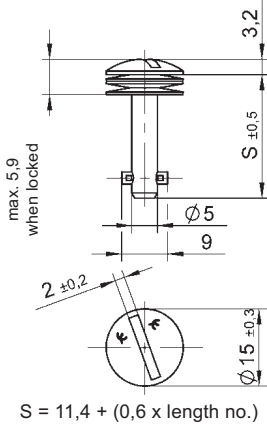

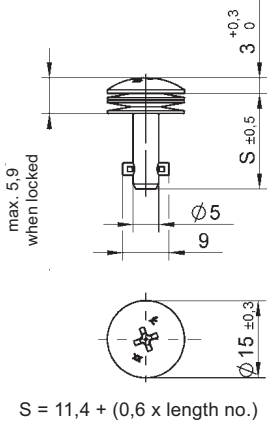

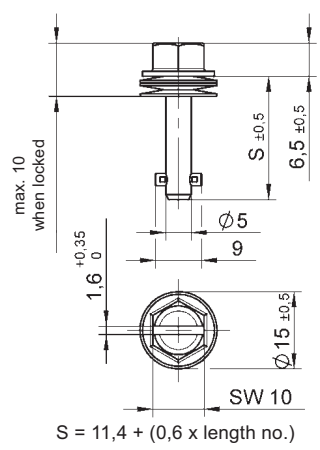
Total Thickness G	Stud Length No.
10,70 - 11,30	19
11,30 - 11,90	20
11,90 - 12,50	21
12,50 - 13,10	22
13,10 - 13,70	23
13,70 - 14,30	24
14,30 - 14,90	25
14,90 - 15,50	26
15,50 - 16,10	27
16,10 - 16,70	28
16,70 - 17,30	29
17,30 - 17,90	30
17,90 - 18,50	31
18,50 - 19,10	32
19,10 - 19,70	33
19,70 - 20,30	34
20,30 - 20,90	35

■ Preferred dash-lengths

# Quarter Turn Fasteners


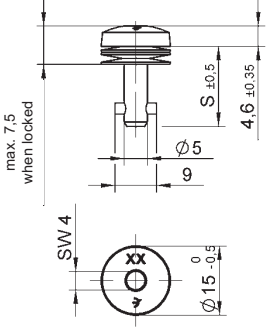

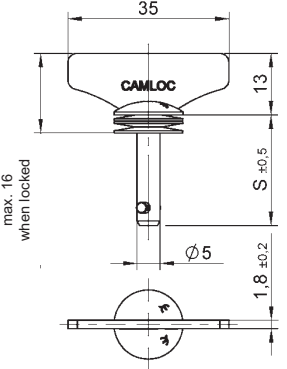

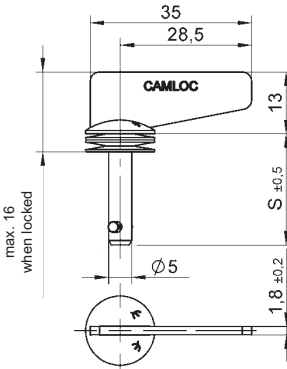
50F Series - Medium Duty - 3700n  
Stud Assemblies



Style	Dimensions	Materials / Finish	°C	Part No.
<b>Slotted Recess Head</b>  	 <p>S = 11,4 + (0,6 x length no.)</p>	Steel / zinc-plated, CrVI-free, clear passivation  Stainless steel <sup>1)</sup>	120  200	<b>50E8-*AGV</b>  <b>50E8-*S</b>
<b>Cross Recess Head</b>  	 <p>S = 11,4 + (0,6 x length no.)</p>	Steel / zinc-plated, CrVI-free, clear passivation	120	<b>50E71-*AGV</b>
<b>Hex Head Slotted Recess</b>  	 <p>S = 11,4 + (0,6 x length no.)</p>	Steel / zinc-plated, CrVI-free, clear passivation	120	<b>50E91-*AGV</b>

\* Length no. from Table, page E-1.

<sup>1)</sup>Max. tensile strength 2.600 N, working load 1.700 N.

Style	Dimensions	Materials / Finish	°C	Part No.
<b>Hex Recess Head</b>  	 <p><math>S = 11,4 + (0,6 \times \text{length no.})</math></p>	Steel / zinc-plated, CrVI-free, clear passivation	120	<b>50E61-*AGV</b>
<b>Fixed Wing Head</b>  	 <p><math>S = 11,4 + (0,6 \times \text{length no.})</math></p>	Steel / zinc-plated, CrVI-free, clear passivation  Stainless steel <sup>1)</sup>	120  200	<b>50E8-*WAGV</b>  <b>50E8-*WS</b>
<b>Offset Fixed Wing Head</b>  	 <p><math>S = 11,4 + (0,6 \times \text{length no.})</math></p>	Steel / zinc-plated, CrVI-free, clear passivation	120	<b>50E8-*W0AGV</b>


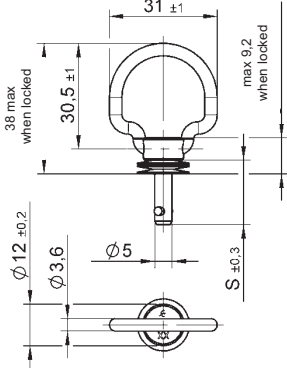

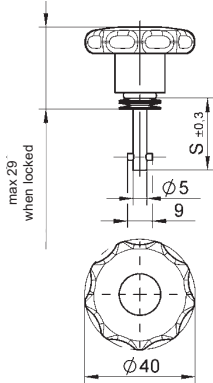

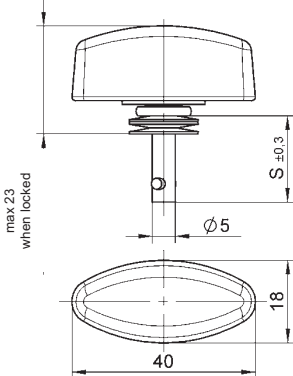

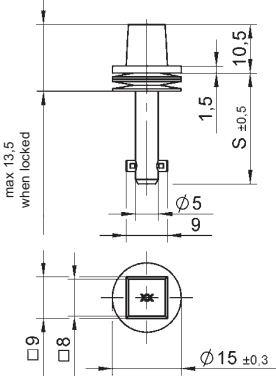
\* Length no. from Table, page E-1.

<sup>1)</sup>Max. tensile strength 2.600 N, working load 1.700 N.

# Quarter Turn Fasteners

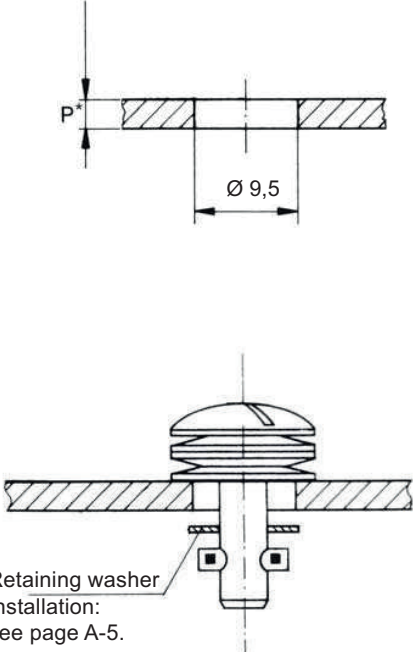
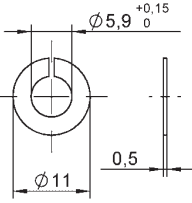
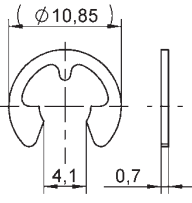
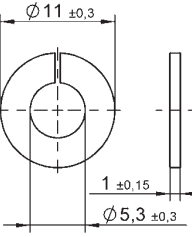
50F Series - Medium Duty - 3700n  
Stud Assemblies




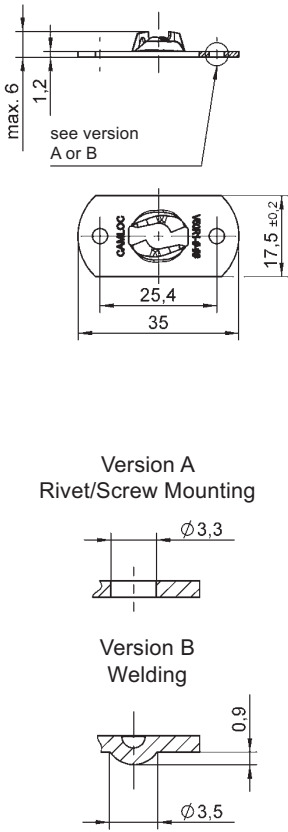
Style	Dimensions	Materials / Finish	°C	Part No.
<b>Folding Bail Handle</b> 		Steel / zinc-plated, CrVI-free, clear passivation	120	<b>50E19-*AGV</b>
<b>Star Form Head</b> 		Steel / zinc-plated, CrVI-free, clear passivation with plastic knob (PA 6)  Stainless steel <sup>1)</sup> with plastic knob	-40 up to +60  -40 up to +60	<b>50E81-*AGV</b>  <b>50E81-*CP</b>
<b>Wing Head</b> 		Steel / zinc-plated, CrVI-free, clear passivation with plastic knob (PA 6)  Stainless steel <sup>1)</sup> with plastic knob	-40 up to +60  -40 up to +60	<b>50E83-*AGV</b>  <b>50E83-*CP</b>
<b>Square Head</b> 		Steel / zinc-plated, CrVI-free, clear passivation	120	<b>50E7-*AGV</b>

\* Length no. from Table, page E-1.

<sup>1)</sup>Max. tensile strength 2.600 N, working load 1.700 N.

Installation Dimensions	Accessories	Material / Finish	Part No.
 <p>Retaining washer Installation: see page A-5.</p>	<p>Retaining washer (loose)</p> 	Stainless steel	<b>4002-SW-SS</b>
	<p>Retaining washer (fixed)</p> 	Stainless steel	<b>50E2-3BP</b>
	<p>Retaining washer (loose)</p> 	<p>Plastic (PA6) / natural colour</p> <p>Working temperature: -40°C + 120°C</p> <p>ADVANTAGE: Plastic retaining washer to be assembled without tooling.</p>	<b>50W204-01K</b>

\*For P up to 2 mm Ø 8 +0,2 for installation without retaining washer

Style	Dimensions	Materials / Finish	°C	Part No.	
<b>Rivet- / Screw or Weld Mounting</b>  		<b>Rivet / Screw Mounting</b>  Steel / zinc-plated, CrVI-free, clear passivation	120	<b>V50R3-1-1AGV</b>	
		Stainless steel	200	<b>V50R3-1-1BP</b>	
		<b>Welding</b>  Steel / zinc-plated	-	<b>V50R3-1-2AZ</b>	
		Steel / oil coated	-	<b>V50R3-1-2AR</b>	

## Receptacle Installation Instructions

Installation Dimensions
<p align="center"><b>Rivet- / Screw or Weld Mounting</b></p> 