Camloc
Traditionally Innovative

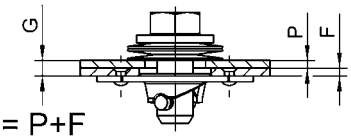
991F Series

Features
Max. tensile strength 10.000 N, working load 7.000 N.
High tensile strength and preload.
Typical applications:
Commercial vehicles, coaches, agricultural machinery, chemical engineering, heating systems etc.

1. Select stud assembly and receptacle, pages H-2, H-3 and H-5.
2. Sealed: Also select rubber gasket and buffer plate, page H-4.
3. Select retaining washer, page H-4.
4. Select stud length number from total thickness G using the formula and table below (e.g. 991S01-*AGV).

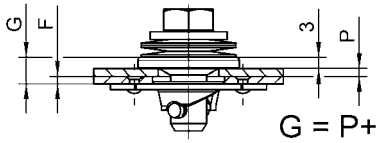
Determining the stud length number when using:

Rivet, Screw and Weld Mounting Receptacle



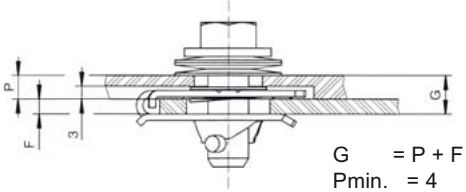
G = P+F

Sealed Stud Assemblies



G = P+F+3

Clip-On Receptacle



G = P + F
Pmin. = 4
F = 1,5 - 3,5

Stud Length Table

Total Thickness G	Stud Length No.
0,90 - 1,65	1
1,65 - 2,40	2
2,40 - 3,15	3
3,15 - 3,95	4
3,95 - 4,70	5
4,70 - 5,45	6
5,45 - 6,20	7
6,20 - 7,00	8
7,00 - 7,75	9
7,75 - 8,50	10
8,50 - 9,25	11
9,25 - 10,05	12
10,05 - 10,80	13
10,80 - 11,55	14
11,55 - 12,30	15
12,30 - 13,10	16
13,10 - 13,85	17

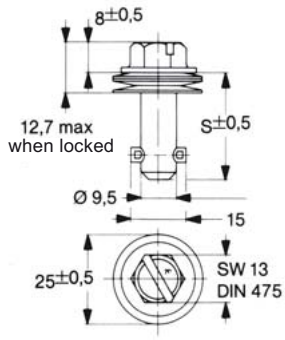
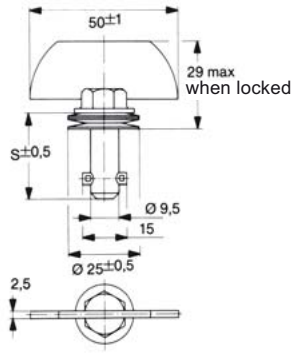
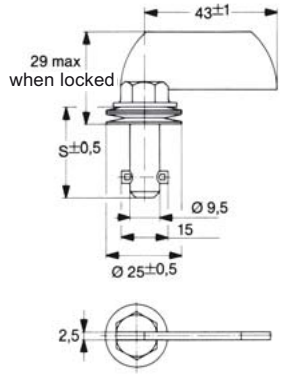
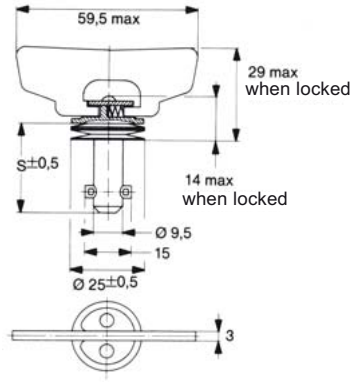
Total Thickness G	Stud Length No.
13,85 - 14,60	18
14,60 - 15,35	19
15,35 - 16,15	20
16,15 - 16,90	21
16,90 - 17,65	22
17,65 - 18,40	23
18,40 - 19,20	24
19,20 - 19,95	25
19,95 - 20,70	26
20,70 - 21,45	27
21,45 - 22,25	28
22,25 - 23,00	29
23,00 - 23,75	30
23,75 - 24,50	31
24,50 - 25,25	32
25,25 - 26,05	33
26,05 - 26,80	34

Total Thickness G	Stud Length No.
26,80 - 27,55	35
27,55 - 28,30	36
28,30 - 29,10	37
29,10 - 29,85	38
29,85 - 30,60	39
30,60 - 31,35	40
31,35 - 32,15	41
32,15 - 32,90	42
32,90 - 33,65	43
33,65 - 34,40	44
34,40 - 35,20	45
35,20 - 35,95	46
35,95 - 36,70	47
36,70 - 37,45	48
37,45 - 38,25	49
38,25 - 39,00	50

Other lengths on request.

Preferred dash-lengths

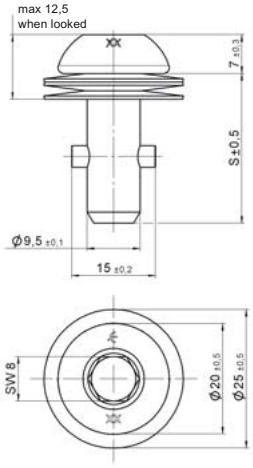
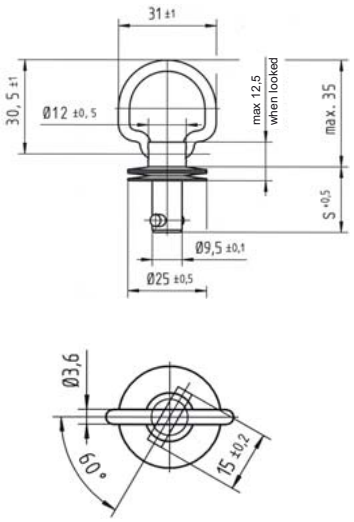
991F Series
Stud Assemblies

Style	Dimensions	Materials / Finish	°C	Part No.
Hex Head Slotted Recess	 S = 16,26 + (0,76 x length no.)	Steel / zinc-plated, CrVI-free, clear passivation Stainless steel [1]	120 200	**991S01- *-1AGV** **991S01- *-1BP**
Fixed Wing Head	 S = 16,26 + (0,76 x length no.)	Steel / zinc-plated, CrVI-free, clear passivation	120	**991S02- *-1AGV**
Offset Fixed Wing Head	 S = 16,26 + (0,76 x length no.)	Steel / zinc-plated, CrVI-free, clear passivation	120	**991S03- *-1AGV**
180° Folding Wing Head	 S = 16,26 + (0,76 x length no.)	Steel / zinc-plated, CrVI-free, clear passivation	120	**991S05- *-1AGV**

* Length no. from Table, see page H-1.

[1] Max. tensile strength 7.000 N, working load 4.500 N.

991F Series
Stud Assemblies

Style	Dimensions	Materials / Finish	°C	Part No.
Hex Recess Head		Steel / zinc-plated, CrVI-free, clear passivation	120	**991S30-*AGV**
Folding Bail Handle 180°	 S = 15,03 + (0,76 X length no.)	Steel / zinc-plated, CrVI-free, clear passivation	120	**991S2991-*AGV**

* Length no. from Table, see page H-1.

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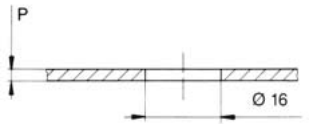
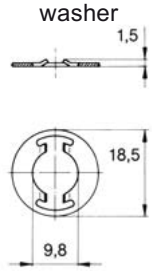
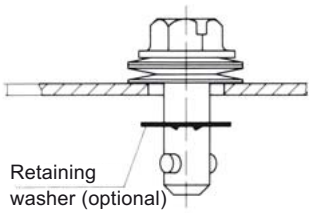
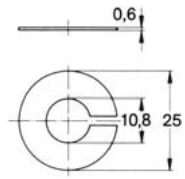
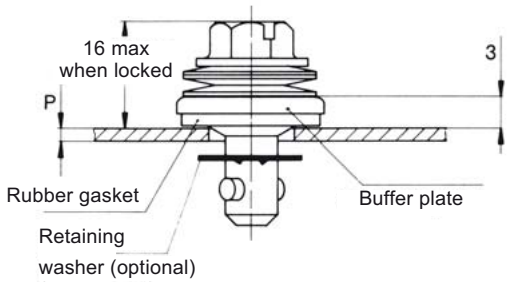
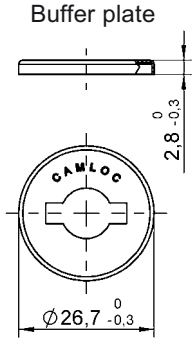
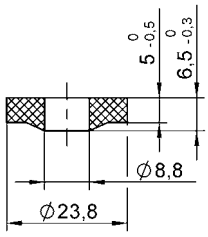
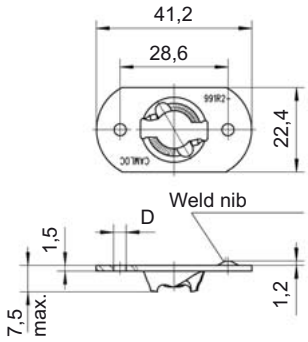
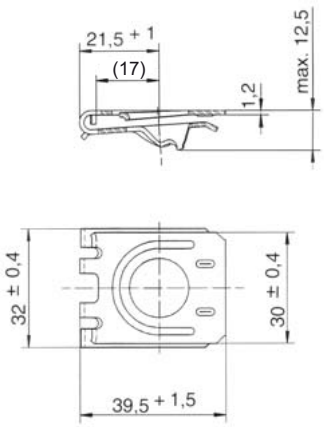
991F Series
Stud Installation Instructions

Installation Dimensions	Accessories	Material / Finish	Part No.
	Retaining washer 	Stainless steel	**991W04-1BP**
	Slotted retaining washer 	Stainless steel	**991W02-1BP**

Sealed Stud Assemblies

Installation Dimensions	Accessories	Material / Finish	Part No.
	Buffer plate 	Stainless steel	**991W03-1BP**
	Rubber gasket 	NBR black (100°C max.)	**991S17-1K**

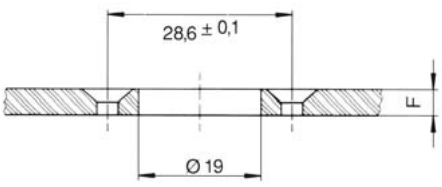
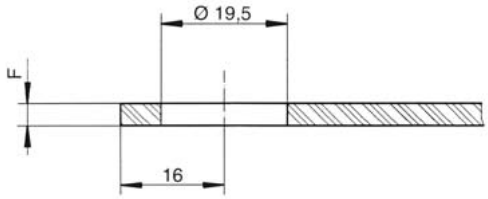
991F Series Receptacles

Style	Dimensions	Materials / Finish	Mounting Ø	°C	Part No.
Rivet / Screw Mounting		**Rivet / Screw Mounting** Steel / zinc-plated, CrVI-free, clear passivation	3,3	120	**991R2-1AGV**
		Steel / zinc-plated, CrVI-free, clear passivation	4,1	120	**991R2-3AGV**
		Stainless steel	3,3	200	**991R2-1BP**
		Stainless steel	4,1	200	**991R2-3BP**
		Welding Steel / zinc-plated	-	-	**991R2-2AZ**
		Steel / oil coated	-	-	**991R2-2AR**
Clip-On		Steel / zinc-plated, zinc flake coated Frame thickness F= 1,5mm - 3,5mm		150	**991R6-1AK7**

Receptacle Installation Instructions

Installation Dimensions

Rivet / Screw or Welded Mounting



Clip-On