





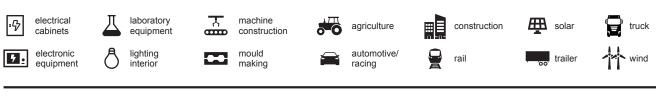
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The Camloc brand was established in 1937. Since that time our fastening systems have been successfully integrated into numerous applications within many different industries.

Our customers benefit from our more than 80 years of fastening experience.

We provide local support for innovative, high quality fastening systems supplied globally to the strictest environmental and working conditions.



IATF 16949:2016



ISO 14001:2015

Your Howmet Fastening Systems team

Disclaimer:

Parts listed are subject to technical changes. All dimensions in mm. All information is correct to the best of our knowledge at the time of printing. No liability for disadvantages caused by printing errors or false application.





Features

Wide grip range (total thickness G up to 15 mm).

Suitable for a large range of applications.

Easy installation with single-hole mounting.

Either tool-operated (slotted recess head) or hand-operated (fixed wing head).

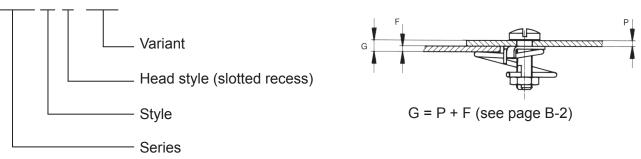
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Clockwise locking 3/4 turn maximum.

Part no. example

Pawl Latches, slotted recess head, with decorative washer.

V964L 01 -1 -2AG

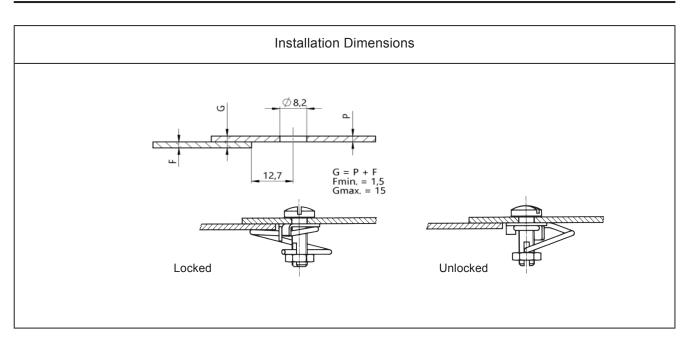


Style	Dimensions	Materials / Finish	°C	Part No.
Slotted Recess Head	2 3 3 3 3 3 3 3 3 3 3 3 3 3	Stud: Steel / zinc-plated CrVI-free, clear passivation Spring: Stainless steel	120	V964L01-1-1AG
Slotted Recess Head with Decorative Washer	C C C C C C C C C C C C C C C C C C C	Stud: Steel / zinc-plated CrVI-free, clear passivation Spring: Stainless steel	120	V964L01-1-2AG
Fixed Wing Handle Plastic		Stud: Steel / zinc-plated CrVI-free, clear passivation Spring: Stainless steel Wing: Plastic (POM) black	-40 up to +100	V964L01-2-1AG





V964L Series Installation Instructions







Features

Variable grip fastener. Available in two grip ranges from 1,0 mm to 18,8 mm.

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Tool or hand operated head styles available.

Single hole mounting - low installation cost.

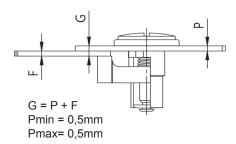
Clockwise locking as standard.

Counterclockwise locking fasteners upon request.

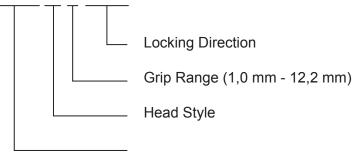
Part no. example

Pawl Latches, Flat head. Grip range 1,0 mm - 12,2 mm.

V965L 23 -1 R1AG







Series

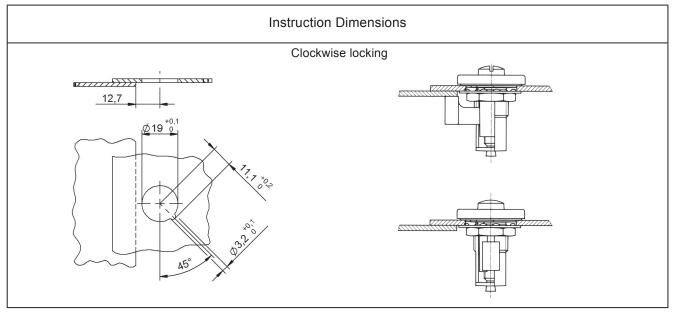
Style	Dimensions	Materials / Finish	°C	Part No.
Flat Head Grip Range 1,0 up to 12,2	22,8 31,5±0,5 Grip range 1,0 up to 12,2 Retaining washer 6,35 6,35 6,35	Steel / zinc-plated CrVI-free, clear passivation	-40 up to +100	V965L23-1R1AG
Flat Head Grip Range 7,6 up to 18,8	22.8 31.5±0.5 31.5±0.5 Crip range 7.6 up to 18.8 Retaining 3 washer Control 17.3±0.5 Control 18.8 Control	Steel / zinc-plated CrVI-free, clear passivation	-40 up to +100	V965L23-2R1AG





Style	Dimensions	Materials / Finish	°C	Part No.
Knurled Head Grip Range 1,0 up to 12,2	Atton Retaining Washer Pawl position indicator 25.2 11.6 17.7±0.5 Grip range 1,0 up to 12,2 6,35 6,35 0 0 0 0 0 0 0 0 0 0 0 0 0	Steel / zinc-plated CrVI-free, clear passivation	-40 up to +100	V965L1-1R1AG
Knurled Head Grip Range 7,6 up to 18,8	Additional and the second seco	Steel / zinc-plated CrVI-free, clear passivation	-40 up to +100	V965L1-2R1AG

Pawl Latches Installation Instructions





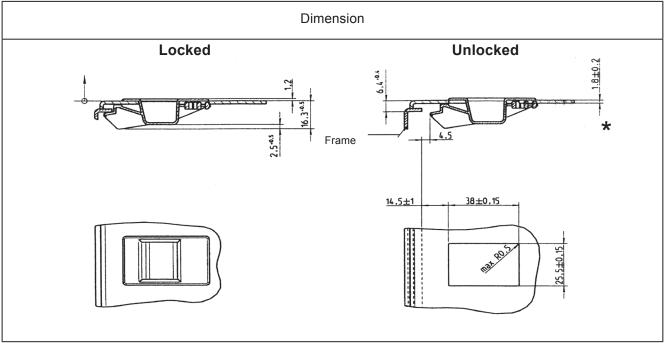






Style	Dimensions	Materials / Finish	°C	Part No.
Slam latch	9 Hax. Hub 57±0.5 47±0.5 19.5 Ref	Plastic (POM) black	-10 up to +60	2939L01-01-1K
	25 50 50 50 50 50 50 50 50 50 5			

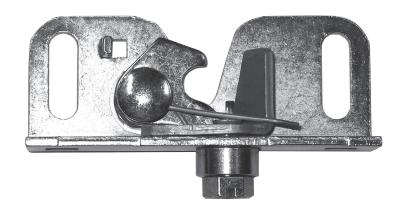
Installation Instructions



* Other panel thicknesses upon request.

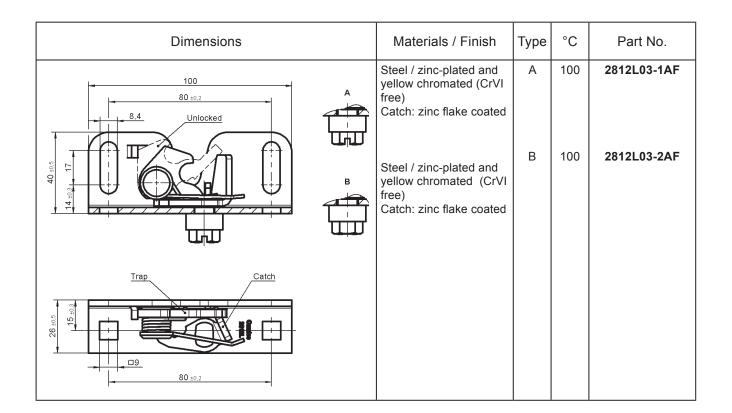






Particular Features

Robust slam latch, self locking Max. locking force: 230 N Max. tension strength: 2.400 N Max. torque: 40 Nm







Dimensions	Materials / Finish	L	°C	Part No.
100 80 ±0.2 100 100 100 100 100 100 100 10	Steel / zinc-plated and yellow chromated (CrVI free) Catch: zinc flake coated Steel / zinc-plated and yellow chromated (CrVI free) Catch: zinc flake coated	50	100	2812L05-1AF 2812L05-2AF
	Steel / zinc-plated and yellow chromated (CrVI fro Catch: zinc flake coated	ee)	100	2812L06-1AF
Catch Ca				





Dimonsions	Matoriale / Einich	°C	Part No.
Dimensions	Materials / Finish Steel / zinc-plated and yellow chromated (CrVI free) Catch: zinc flake coated	100	Part No. 2812L07-1AF
	Steel / zinc-plated and yellow chromated Catch: zinc flake coated	100	2812L08-1AF





Dimensions	Materials / Finish	°C	Part No.
100 80 ±0.2 100 100 100 100 100 100 100 100 100 10	Steel / zinc-plated and yellow chromated Catch: zinc flake coated	100	2812L09-1AF
Catch			

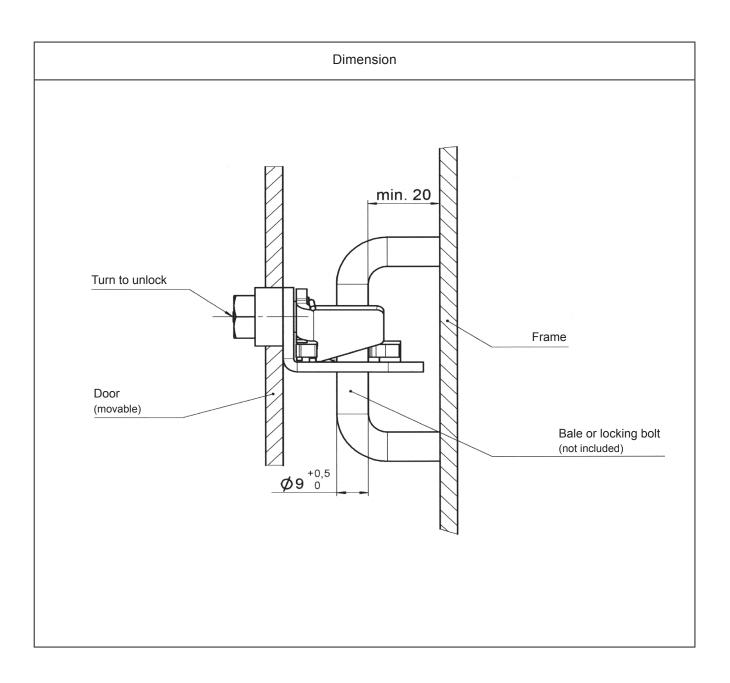




Dimensions	Materials / Finish	°C	Part No.
	Plastic (POM) / black to be used with: 2812L03-1AF 2812L03-2AF 2812L08-1AF 2812L09-1AF	-25 up to +90	2812L80-1K
	Plastic (PA6) / black to be used with: 2812L03-1AF 2812L03-2AF 2812L08-1AF 2812L09-1AF	-40 up to +60	2812L82-1K
Ø50			









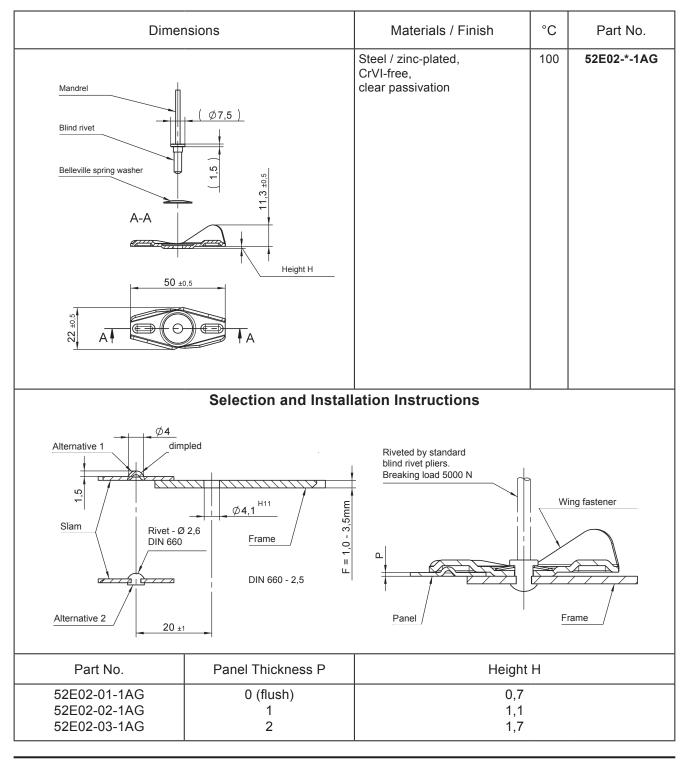




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Particular Features

Simple and economic fastener for lids, etc. Easy installation by blind riveting. ¼ Turn to lock Secure locking on detent.









VKM Series

Particular Features

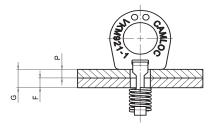
Operation by hand installation.

Easy installation with single-hole mounting.

Absorbs shock and vibration.

Ideal for sheet metal panel applications.

Delivery: spring and clip assembled, handle packed separatly.



VKM1040-1AGV	VKM921-1AGV
G = P + F	G = P + F

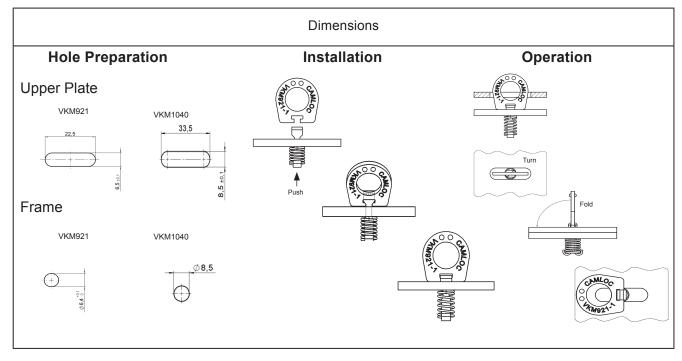
Gmax. = 6mm Gmin. = 1mm G = P + F Gmax. = 6,35mm Gmin. = 1,5mm

Product	Dimensions	Materials / Finish	°C	Part No.
folding handle		Steel / zinc-plated, CrVI-free transparent, iricedent passivated and sealed	120	VKM921-1AGV
folding handle	Ø 30.2 ±0.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Steel / zinc-plated, CrVI-free transparent, iricedent passivated and sealed	120	VKM1040-1AGV





Installation Instructions







Part No.	Page
52E02-*-1AG	F1
2812L03-1AF	E1
2812L03-2AF	E1
2812L05-1AF	E2
2812L05-2AF	E2
2812L06-1AF	E2
2812L07-1AF	E3
2812L08-1AF	E3
2812L09-1AF	E4
2812L80-1K	E5
2812L82-1K	E5
2939L01-01-1K	D1
V964L01-1-1AG	B1
V964L01-1-2AG	B1
V964L01-2-1AG	B1
V965L1-1R1AG	C2
V965L1-2R1AG	C2
V965L23-1R1AG	C1
V965L23-2R1AG	C1
VKM921-1AGV	G1
VKM1040-1AGV	G1

