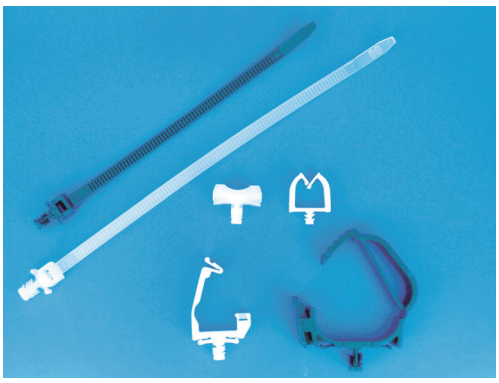
Screwless Plastic Fastener Series

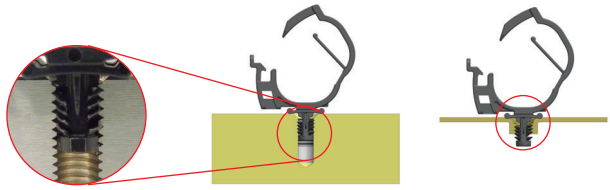
RoHS 10 2015/863/EU



Plastic Fastener Series that can be mounted simply by inserting into screw holes

- It can be mounted simply by inserting it into both the blind hole and through-hole female threads.
- Since it does not require tools such as an electric screwdriver, it can be mounted in tight spaces.
- Material: PA66(UL94V-0 & V-2)
- It can be removed by unscrewing it just like a screw.

Feature 1

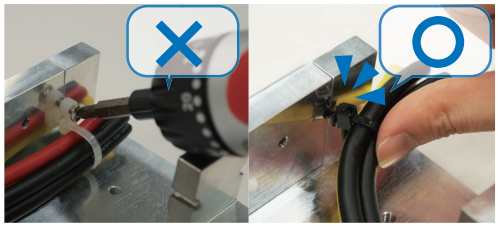


Screwless snap design

Image of Burring processing

It's a screwless snap design that bites into the threaded hole.
It can be mounted for a variety of female threads, such as blind holes in thick metal, through holes in sheet metal, and burred holes in thin sheet metal.

Feature 2



It can be mounted even in tight spaces where tools cannot be used.

Comparison with other mounting methods

	Features	Concerns
Screw mount	・Very high tensile strength ・Tapping screws allow for flexible installation,even in locations where no threaded holes are present ・No restriction on panel thickness, provided there is secure thread engagement	・Adequate space required to use tools such as an electric screwdriver ・Increasing number of parts and labor costs, →high cost
Adhesive tape mount	・Enables mounting in areas where making holes is not possible ・Also, suitable for thin metal sheets where fastening with screws or standard snap-mount is not possible ・Eliminates the need for thread design and machining	・Not classified as a mechanical retention method ・Release paper must be discarded. ・Positioning marks should be applied.

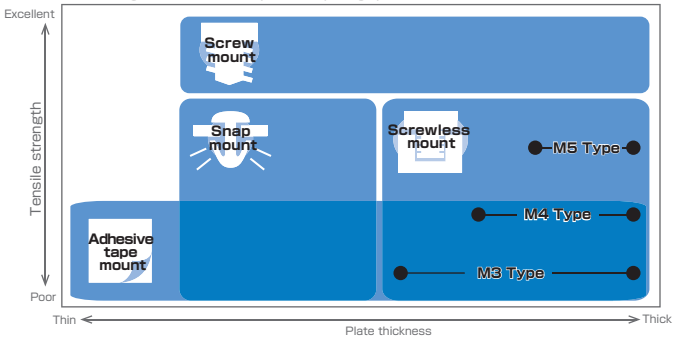
Solusion!

Improvements with screwless mounts

- Reducing number of parts
- Eliminates the need for tools,enabling quick and easy installation even in tight spaces
- Improve labor efficiency ; single-handed installation

- Mechanical mounting with Screwless mounts
- No need to discard release paper.
- Improve labor efficiency ; Positioning marks not required, single-handed installation

Mounting Methods Comparison(image)



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Screwless Plastic Fastener Series

Specifications

SCREW-LESS BAND | SCREW-LESS CABLE TIE MOUNT | SCREW-LESS CLAMP



①VLSG



②VLTMS



③VLUAMS



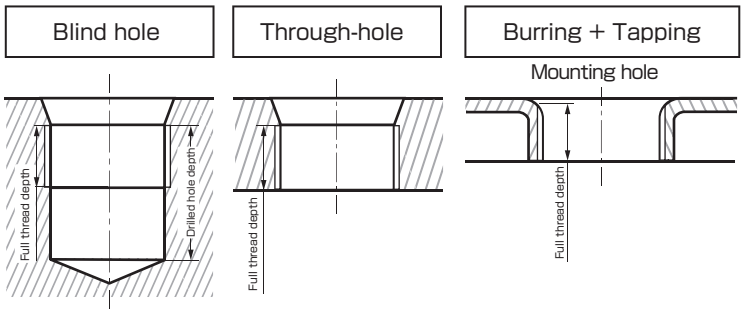
④VLBWS



⑤VLC

Shape	Part number	Applicable size(㎜)	Mounting hole	Initial snap removal force	UL	Color	Operating temperature range
①	VLSG-100-M4-AM-HT-BK	Bundle diameter : Φ1 ～ 20	M4	Min 27.6N	94V-2	Black	−40 ～ 125℃
	VLSG-130-M5-AM-HT-BK	Bundle diameter : Φ1 ～ 24	M5	Min 42.8N			
	VLSG-130-M5	Bundle diameter : Φ1 ～ 24	M5			Natural	−40 ～ 85℃
②	VLTMS-1408-M4	Cable tie: Max 1.3 thick & 4.0 width	M4	Min 27.6N			
③	VLUAMS-09-M3-V0	Opening : □ 9.0 width× 6.1 height	M3	Min 19N	94V-0		
④	VLBWS-0306-M3-V0	Opening : □ 6.0 width× 3.0 height					
	VLBWS-0511-M4-V0	Opening : □11.0 width× 4.9 height	M4	Min 27.6N			
	VLBWS-1313-M4-V0	Opening : □13.0 width×12.7 height					
⑤	VLC-0810-M4-AM-HT-BK	Bundle diameter : Max 10.0			94V-2	Black	−40 ～ 125℃
	VLC-1424-M5-BK	Bundle diameter : Max 17.0	M5	Min 42.8N			−40 ～ 85℃

Installation specications



Mounting hole	Drilled hole depth	Full thread depth
M3	Min 5mm	Min 1.8 ㎜
M4	Min 7 ㎜*1	Min 2.2 ㎜
M5	Min 8 ㎜	Min2.7 ㎜

＊1 : Required Min 6mm for VLBWS-0511-M4-V0 and VLBWS-1313-M4-V0

Required full thread depth engagement depends on the mounting hole diameter (refer to the table above).
If plate thickness is insufficient to achieve proper engagement, consider burring process or using a nut.

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