

FASTMOUNT PRODUCT CATALOG

Panel Mounting System

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Female Clips



PC-F1: SELF TAPPING



PC-SF1: SURFACE MOUNT



PC-RF1-B: SIDE SURFACE MOUNT



PC-AF1: AUTO FIT

Male Clips



PC-M1A: SELF TAPPING



PC-M2H: SELF TAPPING
HEAVY DUTY



VS-M1: VARIO SELF TAPPING



PC-SM2: SURFACE MOUNT



PC-SM2H: SURFACE MOUNT
HEAVY DUTY

Low Profile Range 5

Female Clips



LP-F8: SELF TAPPING



LP-DF8: SELF TAPPING
COARSE THREAD



LP-AF8: AUTO FIT

Male Clips



LP-M8: SELF TAPPING



LP-SM8: SURFACE MOUNT



Very Low Profile Range 6



VL-03: CLIP SET

Metal Range 7

Female Clips



MC-F5: 11LB (5KG) MAXI METAL
SELF TAPPING



MC-F10: 22LB (10KG) MAXI METAL
SELF TAPPING

Male Clips



MC-M5: MAXI METAL
SELF TAPPING

Panel Control 8



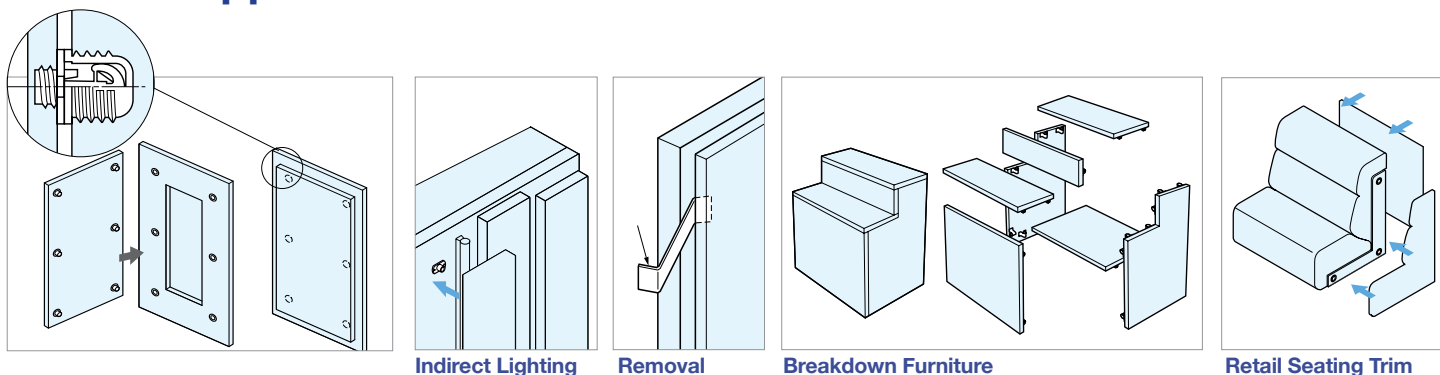
PS-150E: SELF TAPPING
150MM



PS-S150E: SURFACE MOUNT
150MM

Technical Notes 9

Product Applications

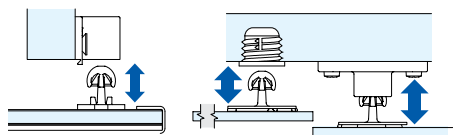


Which Clips Should I Use?

Fastmount removable panel mounting systems are well suited for CNC machining, minimizing cost of manufacturing yet assuring a superior final fit and finish. Panels can be easily removed and replaced with perfect alignment every time. Modern construction materials and techniques can be combined with the Fastmount system to enable new build methods to be used. These can result in significant time and cost savings, while improving the quality of the finished work. Please read below and next pages on the details for the use of each clip.

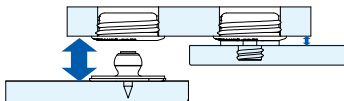
Standard Profile Range

- For applications with support substrate 1/2" or thicker
- Self-tapping, surface mount, and side surface mount clip options available
- For use with wall and ceiling panels
- Clip option for curved panels available



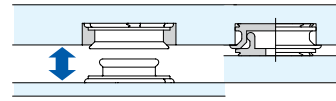
Low Profile Range

- For applications with support substrate 3/8" or thicker
- Clip option for drywall mounting available (wall panels only)



Very Low Profile Range

- Can be surface or recessed mounted – no minimum substrate thickness.
- No specialized tools required for installation



Architectural Clip Selection Guide


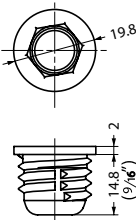
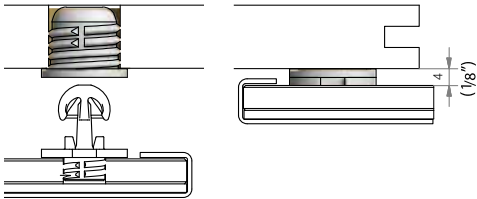

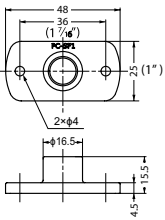
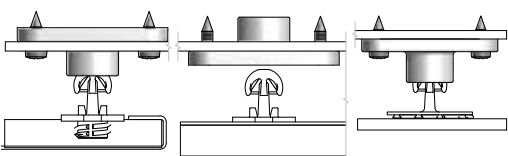

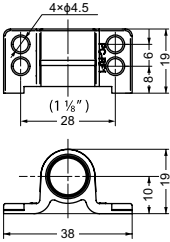
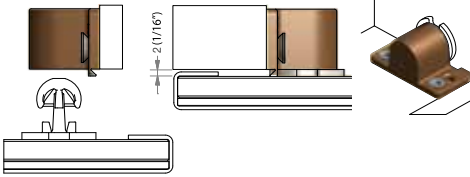

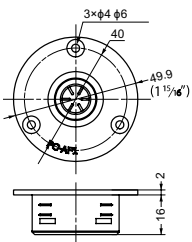
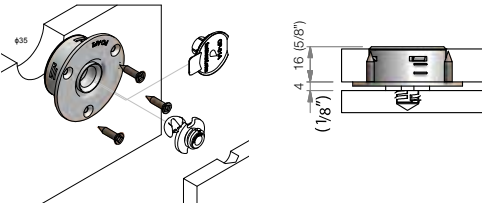
| SUBSTRATE TYPE | PANEL TYPE | | | | | | |
|--------------------------|---|---|---|--|---|----------------------|-----------------|
| | Plywood | MDF | Particle Board | Acoustic Panel | Honeycomb | Fibrous Cement Board | Exterior Panels |
| Steel frames | PC-SF1 + PC-M1A PC-SF1 + PC-M2H PC-SF1 + PC-SM2 PC-SF1 + PC-SM2H | PC-SF1 + PC-M1A PC-SF1 + PC-SM2H | PC-SF1 + PC-M1A PC-SF1 + PC-SM2H + Glue Thread | PC-SF1 + PC-SM2 | PC-SF1 + PC-SM2 | N/A | N/A |
| Timber battens or frames | PC-F1 + VS-M1 PC-F1 + PC-M2H PC-F1 + PC-SM2H | PC-F1 + VS-M1 PC-F1 + PC-M2H | PC-F1 + VS-M1 PC-F1 + PC-M2H | LP-F8 + LP-SM8 | LP-F8 + LP-SM8 | N/A | N/A |
| Concrete + timber batten | PC-F1 + PC-M2H PC-F1 + PC-SM2 PC-F1 + PC-SM2H | PC-F1 + PC-M2H PC-F1 + PC-SM2 PC-F1 + PC-SM2H | PC-F1 + PC-M2H PC-F1 + PC-SM2 PC-F1 + PC-SM2H | Must use Timber Batten + LP-F8 + LP-SM8 | Must use Timber Batten + LP-F8 + LP-SM88 | N/A | N/A |
| Drywall | LP-DF8 + LP-M8 LP-DF8 + LP-SM8 | LP-DF8 + LP-M8 LP-DF8 + LP-SM8 | LP-DF8 + LP-M8 LP-DF8 + LP-SM8 | LP-DF8 + LP-SM8 with HMA (hot glue) | LP-DF8 + LP-SM8 with epoxy glue | N/A | N/A |
| Plywood, MDF | PC-F1 + PC-M1A PC-F1 + PC-M2H PC-F1 + PC-SM2 PC-F1 + PC-SM2H | PC-F1 + PC-M1A PC-F1 + PC-M2H PC-F1 + PC-SM2 PC-F1 + PC-SM2H | PC-F1 + PC-M1A PC-F1 + PC-M2H PC-F1 + PC-SM2 PC-F1 + PC-SM2H | LP-F8 + LP-SM8 | LP-F8 + LP-SM8 with epoxy glue | N/A | N/A |

This Clip Selection Guide should be used as a general guide only. Please contact customer service for more detailed advice if required. For overhead panels Fastmount strongly recommends a trial sample be made to prove compatibility of our systems with the panels and substrates in your project.

Standard Profile Range

The Standard Profile Clips offer the greatest variety of installation options and can be used for both wall and ceiling panels. For applications with support substrate of 1/2" (12mm) or thicker. Option for curved panels also available.



| Female Clips | | | |
|--|---|--|---|
| Item No. | Dimensions | Diagram | Description |
| PC-F1  |  |  | SELF TAPPING Mounts into: 0.66" (16.8mm) hole drill with CT-01, CT-07 Install with: CT-03 Compatible with: Male clips: PC-M1A, PC-M2H, PC-SM2, VS-M1, PC-SM2H Box: 100 Carton: 500 |
| PC-SF1  |  |  | SURFACE MOUNT Affix with screws. Compatible with: PC-M1A, PC-M2H, PC-SM2, VS-M1, PC-SM2H Box: 100 Carton: 500 |
| PC-RF1-B  |  |  | SIDE SURFACE MOUNT Affix with screws. Mounts into: a 90° angle to substrate Compatible with: Male clips: PC-M1A, PC-M2H, PC-SM2, VS-M1, PC-SM2H Box: 100 Carton: 500 |
| PC-AF1  |  |  | AUTO FIT Affix with screws. Fits into: Pre-drilled hole Mounts into: 1 3/8" (35mm) hole Compatible with: Male clips: PC-M1A, PC-M2H, PC-SM2, VS-M1, PC-SM2H Box: 100 Carton: 500 |

Accessories



CP-01A STANDARD CENTER POINT – RED PLASTIC

Use to align holes in panel and frame when using blind holes in panel. Fits 10mm blind hole in panel (drilled with CT-09) or into PC-F1, PC-SF1, PC-RF1 and PC-AF1.



CP-01ST STAINLESS STEEL TIP

Use to align holes in panel and frame when using blind holes in panel. Fits 10mm blind hole in panel (drilled with CT-09) or into PC-F1, PC-SF1, PC-RF1 and PC-AF1. Stainless steel tip option for hard material. Use CP-01A for softer materials.

Installation Tools: Female & Male Clips


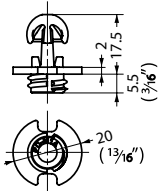
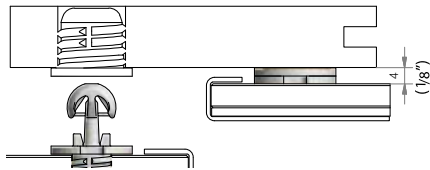

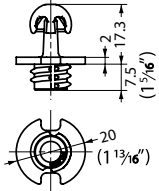
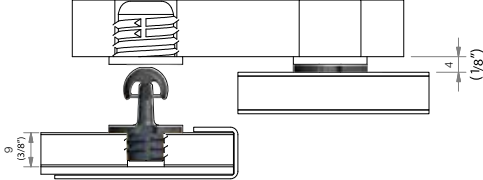

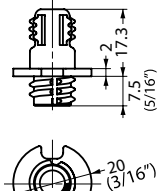
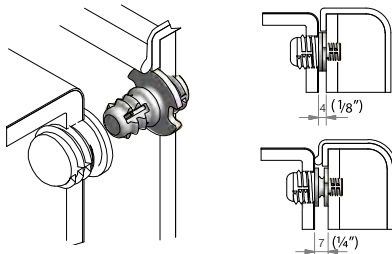

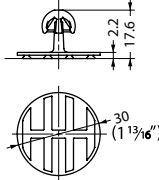
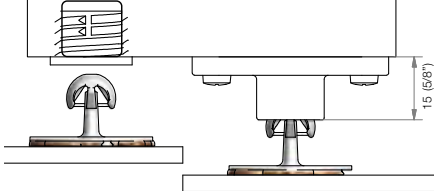

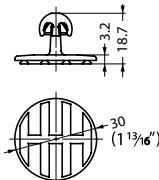
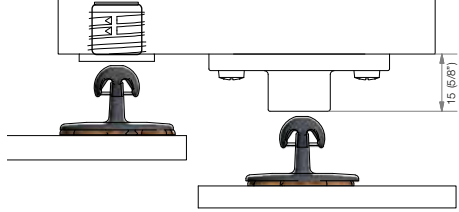


CT-08 YARD KIT 6 TOOLS

One each CT-01, CT-03, CT-05, CT-07, CT-09, and CT-10 in plastic box.


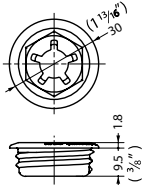
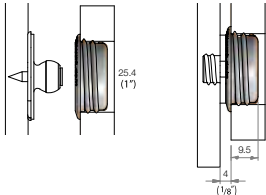

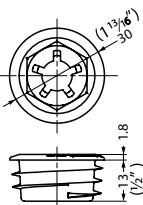
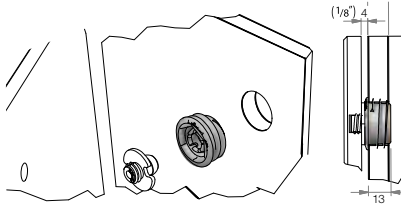

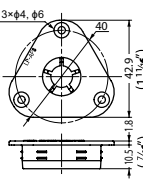
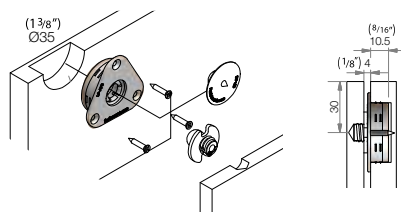
Standard Profile Range


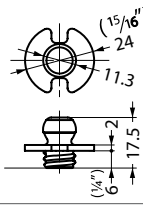
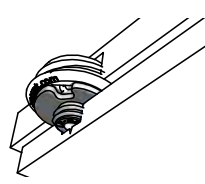

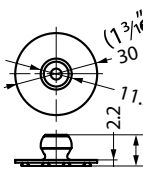
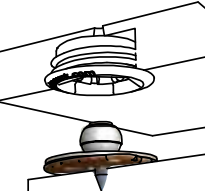


| Male Clips | | | | |
|---|---|--|---|--|
| Item No. | Dimensions | Diagram | Description | |
| PC-M1A  |  |  | SELF TAPPING Mounts into: 3/8" (10mm) hole drilled with CT-01 or CT-09 Fits into: PC-F1, PC-SF1, PC-RF1, PC-AF1 Install with: CT-10 Pull Out Force: 11 lbs (5kg) Box: 100 Carton: 1,000 | |
| PC-M2H  |  |  | SELF TAPPING HEAVY DUTY Mounts into: 3/8" (10mm) drilled with CT-01 or CT-09 Fits into: PC-F1, PC-SF1, PC-RF1, PC-AF1 Install with: CT-10 Minimum panel thickness: 11/32" (9mm) Pull Out Force: 22 lbs (10kg) Box: 100 Carton: 500 | |
| VS-M1  |  |  | VARIO SELF TAPPING Variable gap, high shear strength. Mounts into: 3/8" (10mm) drilled with CT-01 or CT-09 Clips into: PC-F1, PC-SF1, PC-RF1, PC-AF1 Install with: CT-10 Minimum panel thickness: 11/32" (9mm) Pull Out Force: 11lbs (5kg) Box: 100 Carton: 500 | |
| PC-SM2  |  |  | SURFACE MOUNT Adhesive fix super-groove base. Fits into: PC-F1, PC-SF1, PC-RF1, PC-AF1 Pull Out Force: 11lbs (5kg) Box: 100 Carton: 500 | |
| PC-SM2H  |  |  | SURFACE MOUNT HEAVY DUTY Adhesive fix super-groove base. Fits into: PC-F1, PC-SF1, PC-RF1, PC-AF1. Pull Out Force: 22 lbs (10kg) Box: 100 Carton: 500 | |

Low Profile Range

For applications with thin support substrates, 3/8" (10mm) or thicker. Can be used also for wall panel applications on drywall.

| Female Clips | | | |
|---|--|--|--|
| Item No. | Dimensions | Diagram | Description |
| LP-F8  |  |  | SELF TAPPING Mounts into: 1" (25-25.4mm) hole Fits into: Plywood and MDF boards. Install tool: CT-19 Compatible with: Male clips: LP-M8, LP-SM8 Box: 100 Carton: 500 |
| LP-DF8  |  |  | SELF TAPPING COARSE THREAD Mounts into: 1" (25-25.4mm) hole Fits into: Drywall plasterboard and soft core material from 3/8" (10mm) thick. Install tool: CT-19, in battery drill with correct clutch setting Compatible with: Male clips: LP-M8, LP-SM8 Box: 100 Carton: 500 |
| LP-AF8  |  |  | AUTO FIT Affix with screws. Mounts into: 1 3/8" (35mm) pre-drilled hole in substrate Fits into: All Low Profile Range male clip halves Compatible with: Male clips: LP-M8, LP-SM8 Box: 25 Carton: 250 |

| Male Clips | | | |
|--|---|---|---|
| Item No. | Dimensions | Diagram | Description |
| LP-M8  |  |  | SELF TAPPING Mounts into: Plywood & MDF type boards with 3/8" (10mm) hole Fits into: LP-F8, LP-DF8, LP-AF8 Install with: CT-10 Pull Out Force: 11 lbs (5kg) Box: 100 Carton: 500 |
| LP-SM8  |  |  | SURFACE MOUNT Adhesive fix super groove base Mounts into: Panel or frame. Can be screw fixed with self tapping screw Fits into: LP-F8, LP-DF8, LP-AF8 Pull Out Force: 11 lbs (5kg) Box: 100 Carton: 500 |

Accessories



CP-08 LOW PROFILE CLIP CENTER POINT

Fits into the LP-F8, LP-DF8 and LP-AF8 female clip. Use to mark hole centre in panel, for correct clip alignment.



CP-08ST LOW PROFILE CLIP CENTER POINT – STEEL TIP

Stainless steel tip center points for use with LP-F8 & LP-DF8. Used to mark hard panel materials where plastic center point (CP-08) will not work.

Installation Tools: Female & Male Clips


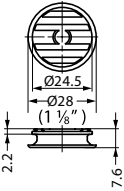
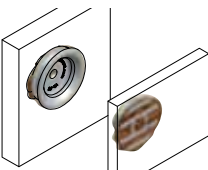
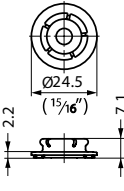
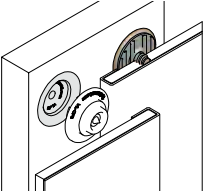
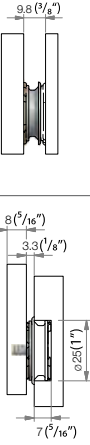


LP-08Y YARD KIT LOW PROFILE

Contains tools for installing Low Profile Range clips and panel removal tool. Plastic box with CT-05, CT-09, CT-10, CT-20.

Very Low Profile Range

Perfect for mounting removable thin wall panels and facings, this clip set requires less depth compared to other Fastmount ranges. No special installation tools are required. The clip set may be adhesive and/or screw fixed. Ideal for mounting panels where no drilling is preferred. Typical applications include wall panels, headboards and inspection panels.

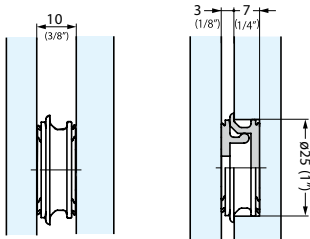
| VL-03 | | | | |
|---|-------------|---|--|--|
| | | Dimensions | Diagram | Description |
|  | Female Clip |  | Surface Mount  | CLIP SET For surface or recessed mounting. Can be screw or glue fixed. No special tools needed. Supplied with: Stainless steel screw (VL-SS3) Pull Out Force: 11 lb. (5kg) per clip Box: 100 Carton: 500 |
| | Male Clip |  | Recess Mount  | |
| | | |  | |
| | | | | |

Accessories



VL-CP3 VERY LOW PROFILE CENTER POINT
Center point for Very Low Profile Range clips VL-F3 and VL-M3. Use to mark hole center in panel for correct clip alignment. Has stainless steel tip for marking panel or frame.
Tip: Push fits into either side of nylon molding.

Spacing Options



Installation: Female & Male Clips

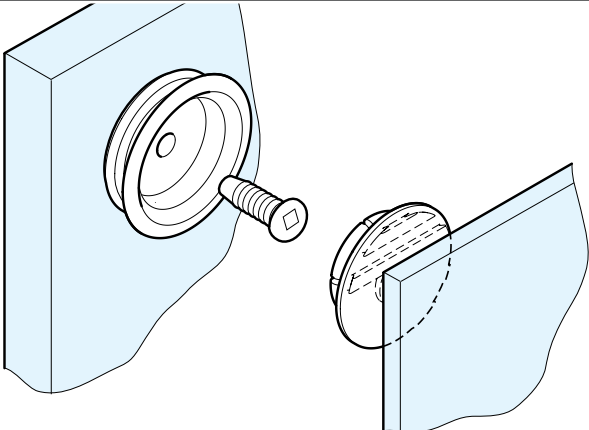


GLUE
When fixed with adhesive (glue), use in accordance with manufacturer's instructions.



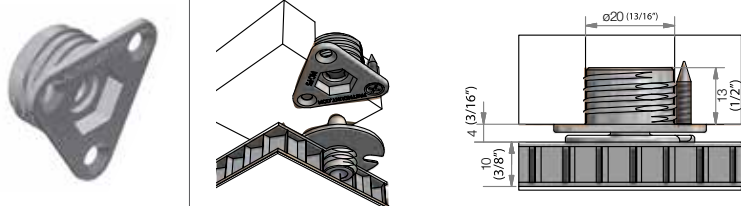
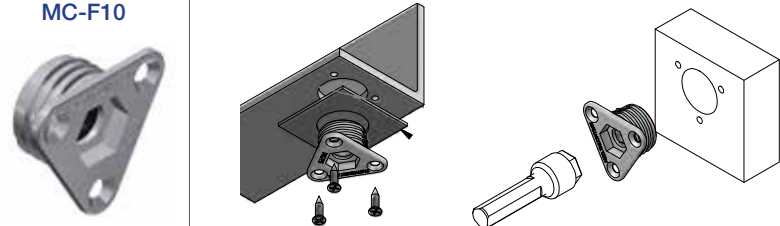
VL-SS3 STAINLESS STEEL SCREW
Custom type 303 stainless steel screw for fixing VL-M3 into panels down to 7/32 (5.5mm) thick. Pan head, #2 square drive.

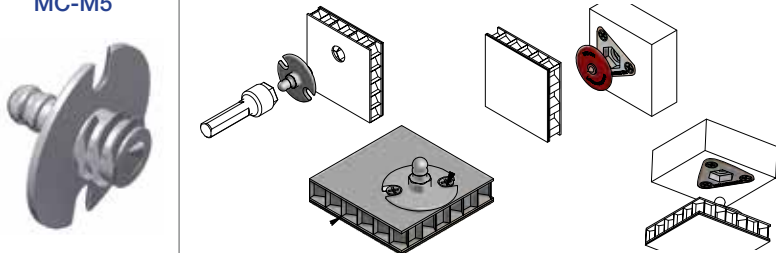
Stainless Steel Screw Installation



Metal Range

For applications with heavy panels or requiring heat resistance. These patent pending metal based clips are specifically designed to withstand high temperatures and to provide acoustic and vibration isolation. The self-centering design allows for tolerance and panel flexing as well as the ability to be heavy load bearing.

| Female Clips | | |
|---------------|---|--|
| Item No. | Diagram | Description |
| MC-F5 |  | 11LB (5KG) MAXI METAL SELF TAPPING Affix with screws. Install with: MC-IT5 Box: 10 Carton: 100 |
| MC-F10 |  | 22LB (10KG) MAXI METAL SELF TAPPING Affix with screws. Install with: MC-IT5 Box: 10 Carton: 100 |

| Male Clips | | |
|--------------|---|---|
| Item No. | Diagram | Description |
| MC-M5 |  | SELF TAPPING Affix with screws. Mounts into: 3/8" (10mm) hole Fits into: MC-F5, MC-F10 Install with: MC-IT5 Pull Out Force: 11 lbs (5kg) using with MC-F5 22 lbs (10kg) using with MC-F10 Box: 10 Carton: 100 |

Accessories



MC-CP5 METAL CLIP CENTER POINT

Centre point fits MC-F5 metal clip. Use to mark hole center in panel, for correct clip alignment. Has stainless steel tip for marking panel.

Installation Tools: Female & Male Clips



CT-09 PANEL DRILL 10MM FORSTNER TYPE

Use with Standard Profile, Low Profile and Maxi Metal Range. To drill blind holes in the back of panels.



MC-IT5 METAL CLIPS MC-F5 & MC-M5

For installation of self tapping male MC-M5H, can also be used for MC-F5 into plywood or similar. Use battery drill with correct torque setting.



CT-05 PANEL REMOVAL TOOL

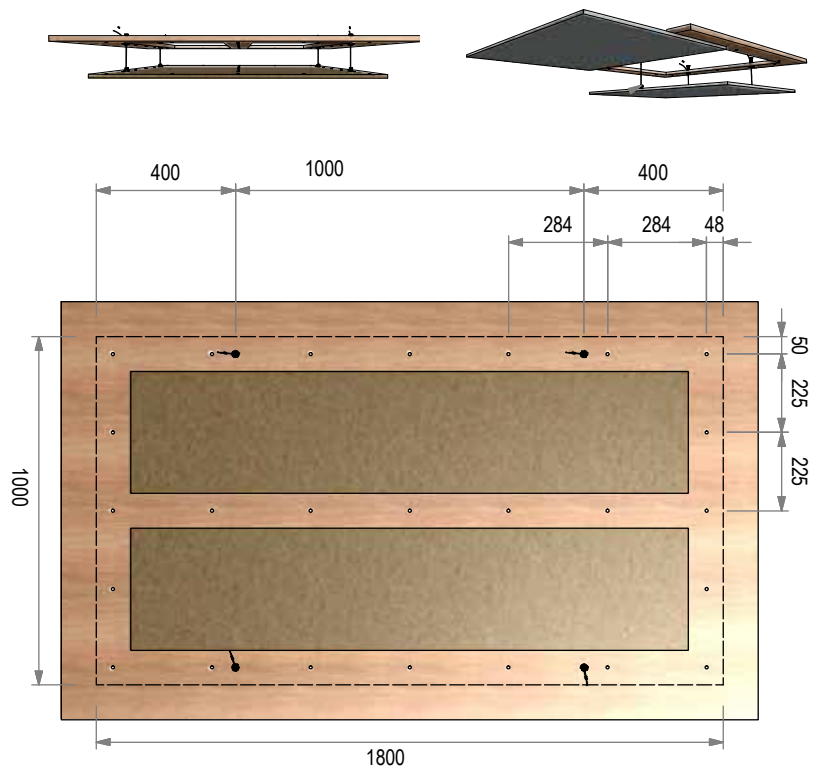
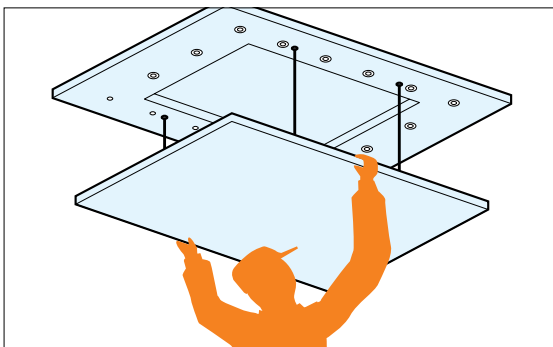
Stainless steel tool for removing covered (upholstered) panels. Do not use with painted panels.



Panel Control

Use in conjunction with standard profile clips to provide additional security and control. Especially well suited for ceiling panels, exit corridors and heavy panels which must be accessed often.

| Item No. | Dimensions | Diagram | Description |
|----------|--|---------|--|
| PS-150E | <p>Side view dimensions: Ø32 (1 1/4") 2 8 12 Ø20 (1 3/8")</p> <p>Top view dimensions: Ø16.8 Ø10</p> | | SELF TAPPING 150MM Install with: CT-10 Standard drop length: 5 7/8" (150mm) Box: 4 Carton: 40 |
| PS-S150E | <p>Side view dimensions: Ø32 (1 1/4") 3 19 Ø38 (1 1/2")</p> <p>Top view dimensions: Ø16.8</p> | | SURFACE MOUNT 150MM Adhesive fix to panel. Standard drop length: 5 7/8" (150mm) Box: 4 Carton: 40 |



Technical Notes

Pullout force

The pullout force will vary depending on the clip type and are specified on each product sheet. They are generally minimum 11 lb. (5kg) for typical standard range clips and 22 lb. (10kg) for heavy duty clips.

The shock load is less and can be as low as 4.4 lb (2kg), depending on the type of shock load. Clips never load simultaneously on a panel, so if a panel has 10 clips it does not mean the force required to remove the panel (or the force the panel will take) is 10x 11 lb. (5kg).

Clip spacing and panel loads

Panels need to be supported evenly around the perimeter to eliminate sagging. The clip spacing requirements will vary depending on the application.

Although many of the Fastmount clip sets will hold more than your theoretical panel load, the reality of unknown conditions means panels and clips could be subjected to shock loads (g-forces) seismic shocks.

Fastmount with different materials

You can mount Fastmount clips into or onto most panel products such as plywood, MDF, plastic, fiberglass, HPL, sandwich panels and composite panels. It is not recommended to use very heavy materials. The LP-DF8 coarse thread female clip is designed to work with drywall plasterboard.

Drill setting and self tapping clips

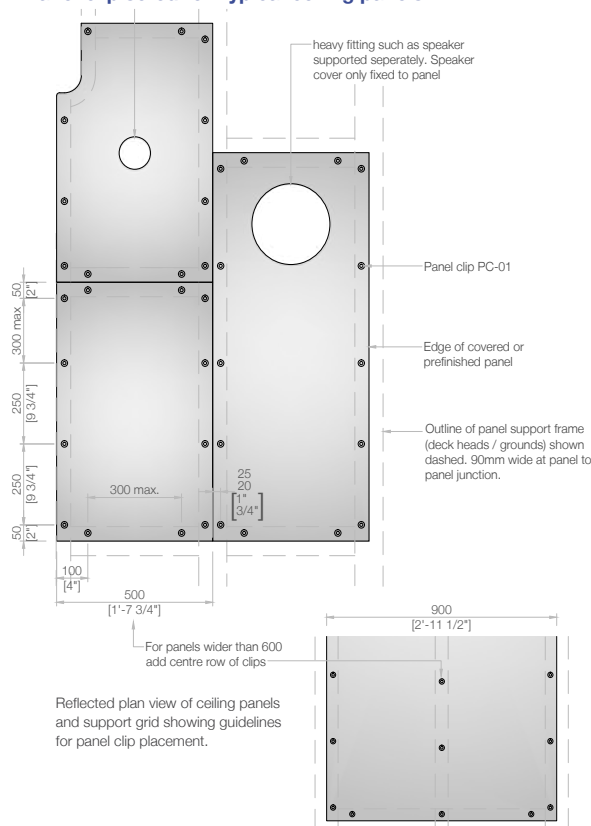
The clutch setting on battery drills when fitting clips varies from drill to drill. It will depend on the battery charge condition and on the material you are screwing into.

Once 2 or 3 test clips have been fitted, you will have a good feel for a setting that screws the clips home, but does not over tighten them. If the clips are breaking, the drill setting is too powerful. Some hard materials require a chamfer at the hole edge.

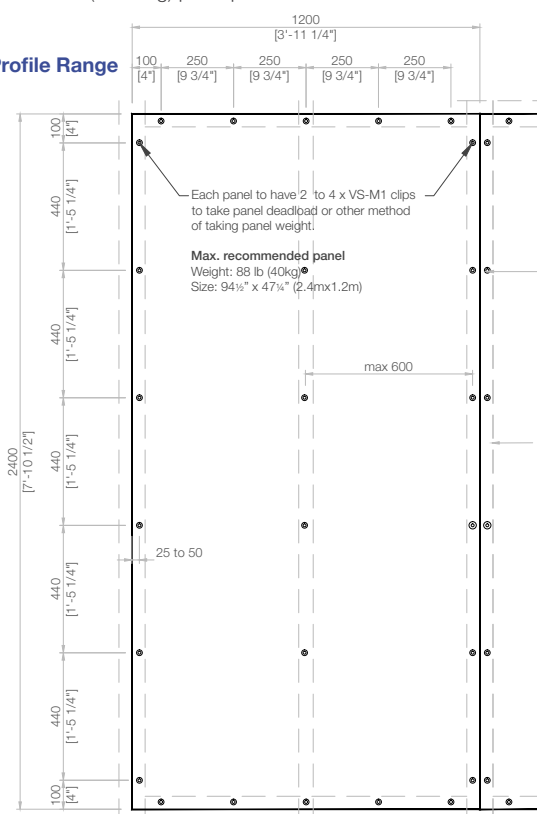
Adhesives for surface mount clips

The patent pending super-groove design means the Fastmount surface mount clips use a mechanical engagement to secure the clip, so adhesive selection is mostly dependent on panel material. We recommend two-part epoxies that are suitable for panel materials. A typical two-part epoxy will hold the clip at over three times the clipping load 66-88 lb (30-40kg) per clip.

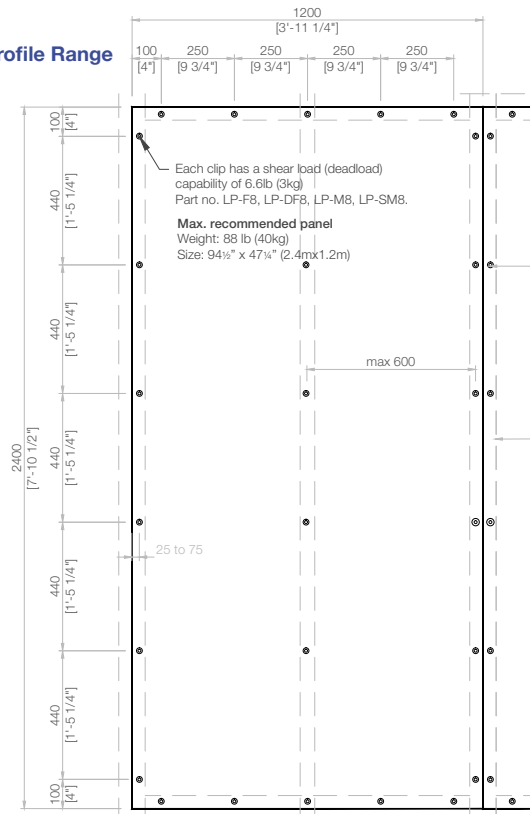
Panel clip setout on typical ceiling panels



Standard Profile Range



Low Profile Range



NOTES

Handwriting practice lines consisting of 20 horizontal dotted lines.



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