



A CSW Industrials Company

PRODUCT DATA SHEET

METACAULK® Pass-Thru Pro



Description:

Pass-Thru Pro is a one-piece hinged metal firestop device designed for quick installation into fire-rated floors and walls.

The square or round devices form a steel sleeve, which contains the heat reactive graphite based intumescent material with foam smoke seals and optional mounting brackets. The transits can be easily opened to provide an easy retro-fit option or new construction where a permanent firestop application is needed. Designed to accommodate a multitude of penetrations and can be re-entered with new penetrations at anytime.

Ideal for:

- Quick and easy re-running of cable and other services.
- New Cable Installation

Options:

Nominal Sizes

- Round 2" (51mm)
- Round 4" (102mm)
- Square 4" (102mm)

Performance Data:

When exposed to temperatures of approximately 149°C (300°F) the graphite based intumescent material begins to expand (intumesce) rapidly to form a solid insulating char plug which effectively closes and seals the CT120 to prevent the passage of fire and smoke thru the fire-rated wall or floor. The CT120's ganged devices are fixed in position using specially designed CT Mounting Flanges which clamp onto the transit and require no additional fixing to the wall or floor (Mounting flanges sold separately).

Limitations:

This item is formulated to ensure its compatibility with plastic materials. It has undergone widespread and effective application with a range of plastic pipes, tubing, and cable insulations. Nevertheless, due to potential divergences within these materials, providing an absolute assurance of compatibility becomes unfeasible. Balco highly advises users to communicate with the relevant pipe, tubing, or cable manufacturer regarding known sensitivities or potential constraints before employing this product.

Finish:

Standard

- Aluminum Flange: Mill Finish

Advantages:

- Easy installation - saves labor cost
- Able to be retrofit around existing penetrations in single or multiple configurations
- Intumescent material unaffected by moisture
- Suitable for use in concrete walls and floors, gypsum walls, and wooden floors
- 0-100% fill
- Holes can be cut with standard hole or core saws
- Round devices can be fitted into standard 2" and 4" rigid conduit
- Will accept a wide array of penetration types and sizes
- Along with our fire ratings our devices have excellent smoke leakage numbers (L ratings)
- Tested in accordance with EN1366-3, BS476-20, ASTM E814 (UL1479), and AS1530-4

Additional Documentation:

- Product Details
- Maintenance and Cleaning
- Warranty
- SDS documentation
- LEED documentation

Warranty:

Standard Warranty: 1 year

Optional Warranty: 5 year with Certified Installer

Sample warranty available upon request



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Pass-Thru Pro Installation:

New Cabling Installations Pass-Thru Device Installation

1. Select the size of Pass-Thru Device required.
2. Cut or form a suitable size opening in the floor or wall, ensuring that any annular space between the pass-thru device and the opening is within the limits defined by the tested systems.
3. Slide the pass-thru device into the previously formed opening, making sure that it is positioned centrally within the thickness of the floor or wall, ensuring that an equal length protrudes from either side of the opening.
4. Add a bead of sealant to the surface of the pass-thru device where bracket is to be placed to secure the bracket.
5. Pass-Thru Devices are installed using friction fitted Mounting Brackets. Using the correct size Mounting Bracket, open bracket and fit over each end of the Pass-Thru device (i.e. 1 bracket on each side of wall). Slide each bracket until it is flush with the wall or floor.
6. Fit the supplied fasteners thru the pre-formed holes in the open corner of each bracket and tighten securely in position. Ensure that Mounting Brackets are correctly fitted on BOTH SIDES of wall or floors. Once the mounting brackets are secured in position on the Pass-Thru Devices, they DO NOT need to be separately fixed to the wall or floor.
7. Remove the supplied end plugs and pass the cables through the pass-thru device as required. Install end plugs and re-fit into both ends of Pass-Thru Device around the cables or piping.

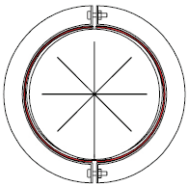
Existing Cable Installation

1. Select the correct size of Pass-Thru Device to suit the existing opening. If necessary enlarge the opening to allow for installation, ensuring that any annular space between the Pass-Thru Device and the opening will be within the limits defined by the tested systems.
2. Remove the top of the Pass-Thru Device and the supplied end plugs. Fit the device around the existing cables or pipes and replace the top.
3. Slide the Pass-Thru Device along the pipe or cable into the opening, making sure that it is positioned centrally within the thickness of the floor or wall, ensuring that an equal length protrudes from either side.
4. Pass-Thru Devices are installed using friction fitted Mounting Brackets. Use the correct size Mounting Bracket. Open bracket and fit over each end of the Pass-Thru Device (i.e. 1 bracket on each side of wall). Slide each bracket until it is flush with the wall or floor.
5. Fit the supplied fasteners thru the pre-formed holes in the open corner of each bracket and tighten securely in position. Ensure that Mounting Brackets are correctly fitted on BOTH SIDES of wall or floors. Once the mounting brackets are secured in position on the Pass-Thru Devices, they DO NOT need to be separately fixed to the wall or floor.
6. Install end plugs and re-fit into both ends of Pass-Thru Device around the cables or piping.

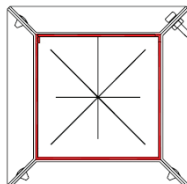
METACAULK® Pass-Thru Pro

Pass-Thru Pro

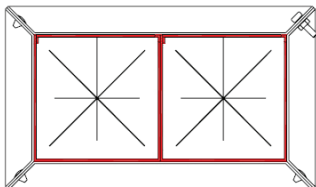
Pass-Thru Pro install configurations



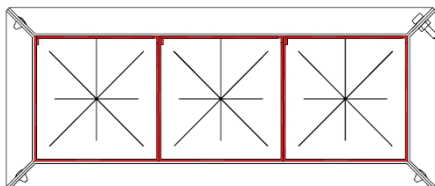
Pass-Thru Device (PATP-4R, PATP-2R)
with Mounting Flange (PATP-4R-FK1, PATP-2R-FK1)
Foam Piece (PATP-2R-RFP, PATP-4R-RFP)



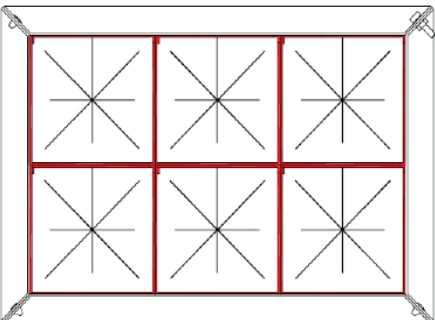
Pass-Thru Device (PATP-4S)
with Mounting Flange (PATP-4S-FK1)
Foam Piece (PATP-4S-RFP)



2x Pass-Thru Device (PATP-4S)
with Duplex Mounting Flange (PATP-4S-FK2)



3x Pass-Thru Device (PATP-4S)
with Triplex Mounting Flange (PATP-4S-FK3)



6x Pass-Thru Device (PATP-4S)
with Sixplex Mounting Flange (PATP-4S-FK6)

physical properties

| | | | |
|--------------|--|-------------------------|-------------------------|
| Nominal Size | 102mm / 4" PATP-4S | 50mm / 2" PATP-2R | 100mm / 4" PATP-4R |
| Dimensions | 102 x 102mm 4" x 4" | 50 mm OD 2" Diameter | 100mm OD 4" Diameter |
| Shape | Square | Round | Round |
| Guage | 22 | 22 | 22 |
| Length | All devices are standard 254mm / 10" in length Can be up to 330mm / 13" in length | | |

application

Pass-Thru Pro Cable Transits are used to seal cables which penetrate through up to 4 hour fire-rated concrete walls and floors, and are suitable for most common types of construction including concrete floors, concrete walls, concrete block walls and gypsum drywall assemblies, and rated wooden floor constructions.

Individual Pass-Thru Pro Cable Transits can be ganged together to form duplex, triplex, or sixplex units using special Mounting Flanges (which are supplied separately).

Suitable for data, communications and electrical supply cables, and even pipes; Pass-Thru Pro Cable Transits offer flexibility, expandability, and reliability from 0-100% fill.

accessories

Pass-Thru Pro Mounting Flange Sets offer a unique fixing device that requires no mechanical fixing to the wall or floor. Each set consists of two complete flanges which are friction fitted around the Pass-Thru Pro device/s on either end to keep the device locked in place. The flanges can be easily removed if future maintenance is required leaving no damage to the wall or floor.



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METACAULK® Pass-Thru Pro

ordering information

| Code | Description | Tint | Size | Size | Shape | Per Case |
|------------------------------|-------------------------------|------|-------------|----------|-----------|----------|
| Pass-Thru Pro Devices | | | | | | |
| PATP-2R | Device (50mm / 2") | Red | 50mm Ø | 2" | Round | 6 |
| PATP-4R | Device (100mm / 4") | Red | 100mm Ø | 4" | Round | 6 |
| PATP-4S | Device (102mm / 4") | Red | 102 x 102mm | 4" | Square | 6 |
| Mounting Flange Sets | | | | | | |
| PATP-2R-FK1 | Mounting Flange Set | Galv | 50mm Ø | 2" | Round | 12 |
| PATP-4R-FK1 | Mounting Flange Set | Galv | 100mm Ø | 4" | Round | 12 |
| PATP-4S-FK1 | Mounting Flange Set (Single) | Galv | 102 x 102mm | 4" x 4" | Square | 12 |
| PATP-4S-FK2 | Mounting Flange Set (Duplex) | Galv | 102 x 204mm | 4" x 8" | Rectangle | 12 |
| PATP-4S-FK3 | Mounting Flange Set (Triplex) | Galv | 102 x 306mm | 4" x 12" | Rectangle | 12 |
| PATP-4S-FK6 | Mounting Flange Set (Sixplex) | Galv | 204 x 306mm | 8" x 12" | Rectangle | 6 |
| Foam Pieces | | | | | | |
| PATP-4R-RFP | Foam Pieces | - | - | - | Round | 24 |
| PATP-2R-RFP | Foam Pieces | - | - | - | Round | 24 |
| PATP-4S-RFP | Foam Pieces | - | - | - | Square | 24 |

Pass-Thru Pro devices are individually boxed and labelled but sold in shipping cases of 6 devices.

Mounting Flange Set are packed and labelled individually in clear sealed bags before being packed into their shipping cases.

Mounting Flange Sets include brackets for both sides of walls or floors. Ask about how our Pass-Thru Pro Cable Transits can be top side only mounted in floors.

Custom sizes can be requested.

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testing and performance data

Tested in accordance with the methodology and criteria described in:

ASTM E814 / UL 1479 (Classified up to 4 hours)
CE Mark



FILL VOID OR CAVITY
MATERIALS FOR USE IN
THROUGH PENETRATION
FIRESTOP SYSTEMS SEE UL
DIRECTORY OF PRODUCTS
CERTIFIED FOR CANADA AND UL
FIRE RESISTANCE DIRECTORY