# Universal Free-Stand Product

## Universal Free-Stand Enclosures, Type 12, 3R, 4



### INDUSTRY STANDARDS

- UL 508A Listed; Type 4, 12, 3R; File No. E61997
- cUL Listed per CSA C22.2 No. 94; Type 4, 12, 3R; File No. E61997
- NEMA Type 4, 12, 3R
- CSA File No. 42186: Type 4, 12, 3R
- IEC 60529, IP66
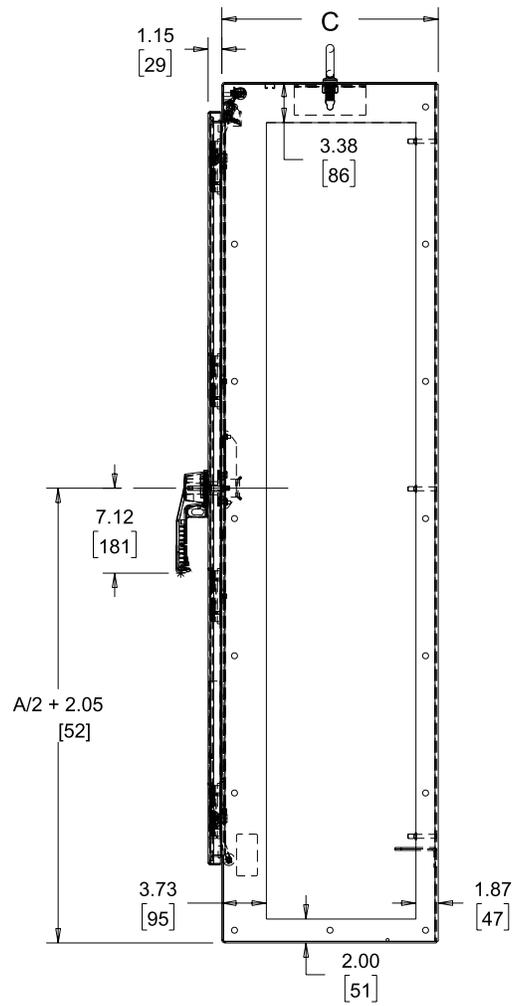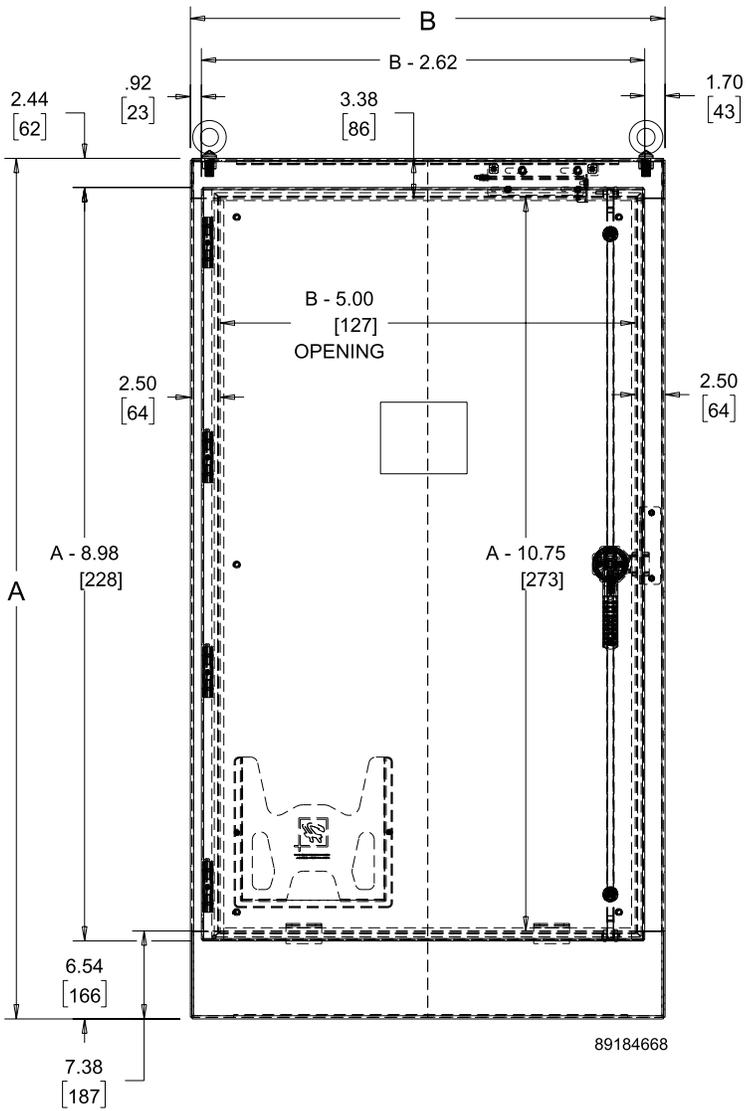- IEC 62208, IK10 Impact Rating

### APPLICATION

Universal Free-Stand Enclosure is designed to protect equipment and employees in industrial manufacturing applications. The one and two-door models are bayed together to create application specific configurations for indoor and outdoor use. Accessories are available to improve end user safety and add additional panel space.

### FINISH

- ANSI 61 gray powder coated paint finish outside and inside over pretreated surfaces
- Panels (order separately) have white or conductive finish
- End plates are ANSI 61 gray powder coated finish inside and outside

### FEATURES

**Primary enclosure (left side open):**
One- and two-door models with a preferred or universal disconnect cutout on the right flange to provide mounting for most disconnect operators. The doors are hinged on the left side to interact with disconnect device. The Primary door activates the furnished mechanical interlock which prevents bayed secondary doors from being opened first.
The bayed doors can be closed in any order. The primary door has a defeater which requires a screwdriver to open.

**Secondary enclosure (both sides open, right side open):**
One- and two-door models are used to expand solution and configure for required application. Two-door models have removable centerpost for improved panel loading. Interlock components are furnished with interlock connection rods shipped loose.

**Mechanical Interlock System:**
The improved mechanical interlock is easy to install and superiorly secure. The latching systems captivate the door rod guides, adding security by maintaining three-point contact. The interlock is also easily modified for voltage separation or easily expanded up to six doors.

### SPECIFICATIONS

- Body – 11 gauge mild steel
- Doors – 12 gauge mild steel
- Seams are continuously welded and ground smooth
- Body stiffeners in larger enclosures for extra rigidity
- Body flange trough excludes liquids and contaminants
- Heavy-duty lifting eyes anchor into reinforced top
- Concealed, easy-to-remove hinges
- Heavy-duty 3-point latching mechanism operated by padlocking handle on all doors
- Data pocket is high-impact thermoplastic
- Oil-resistant door gasket
- Panel supports
- Bonding provision on door
- Mechanical interlock standard on each enclosure; parts required to connect interlock system between adjacent enclosures are provided

### NOTES

Sequestr solutions are compatible with Universal Free-Stand enclosures. Please see Sequestr spec sheets and installation instructions for more details.
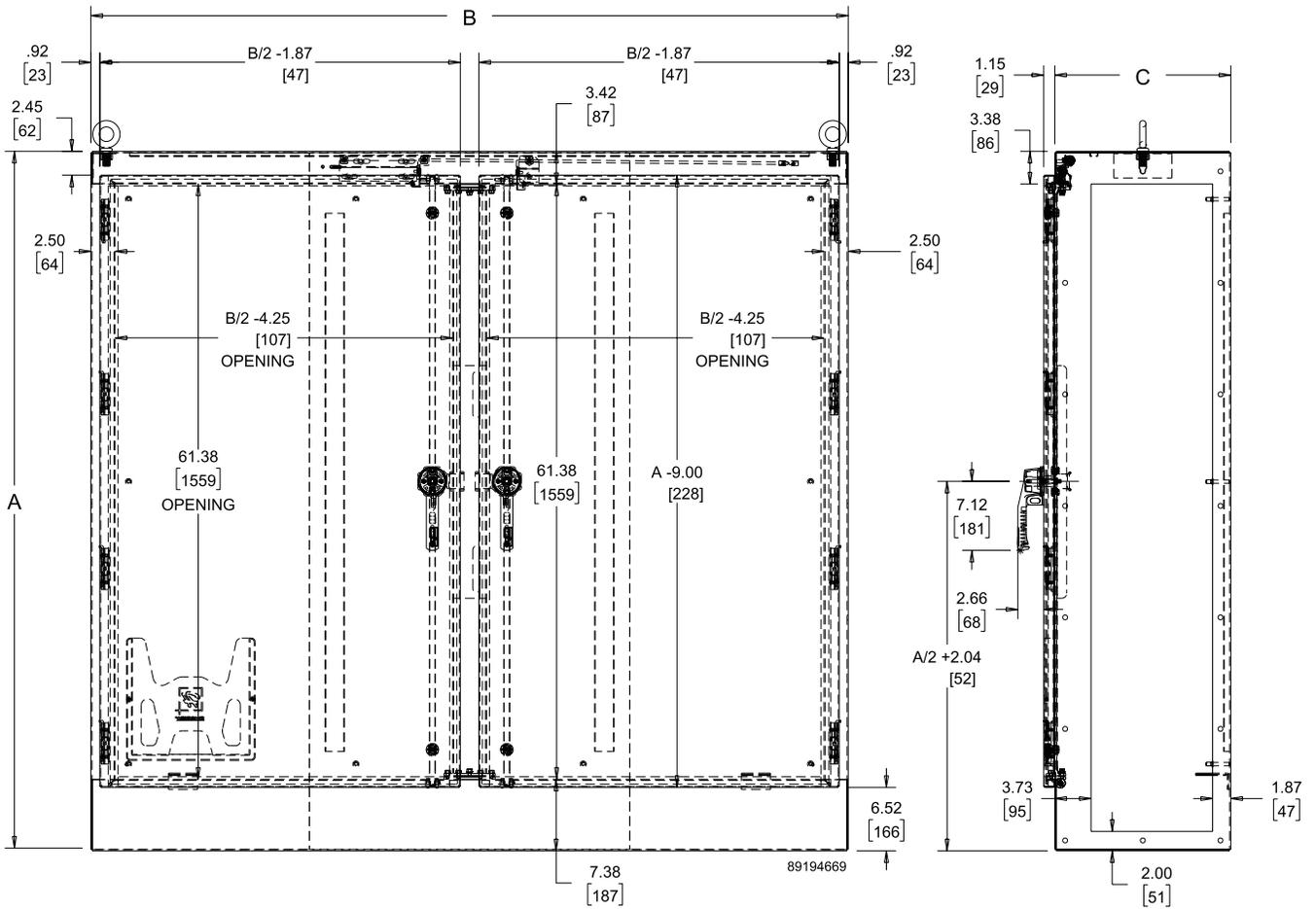
## ONE-DOOR UNIVERSAL FREE-STAND ENCLOSURES, TYPE 4

| Catalog Number | A×B×C in./mm | Sides Open | Cutout Type | Material | Panel, Painted | Panel, Conductive | Panel Size in./mm |
|---|---|---|---|---|---|---|---|
| AU72X4018BLP | 72.13 × 39.76 × 18.11<br>1832 × 1010 × 460 | Both | No Cutout | Mild Steel | A72PM40 | A72PM40G | 60.00 × 33.75<br>1524 × 857 |
| AU72X4018LLP | 72.13 × 40.24 × 18.11<br>1832 × 1022 × 460 | Left | Preferred | Mild Steel | A72PM40 | A72PM40G | 60.00 × 33.75<br>1524 × 857 |
| AU72X4018LUCLP | 72.13 × 40.24 × 18.11<br>1832 × 1022 × 460 | Left | Universal | Mild Steel | A72PM40 | A72PM40G | 60.00 × 33.75<br>1524 × 857 |
| AU72X4018RLP | 72.13 × 39.76 × 18.11<br>1832 × 1010 × 460 | Right | No Cutout | Mild Steel | A72PM40 | A72PM40G | 60.00 × 33.75<br>1524 × 857 |
| AU84X4018BLP | 84.13 × 39.76 × 18.11<br>2137 × 1010 × 460 | Both | No Cutout | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU84X4018LLP | 84.13 × 40.24 × 18.11<br>2137 × 1022 × 460 | Left | Preferred | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU84X4018LUCLP | 84.13 × 40.24 × 18.11<br>2137 × 1022 × 460 | Left | Universal | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU84X4018RLP | 84.13 × 39.76 × 18.11<br>2137 × 1010 × 460 | Right | No Cutout | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU84X4024BLP | 84.13 × 39.76 × 24.13<br>2137 × 1010 × 613 | Both | No Cutout | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU84X4024LLP | 84.13 × 40.24 × 24.13<br>2137 × 1022 × 613 | Left | Preferred | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU84X4024LUCLP | 84.13 × 40.24 × 24.13<br>2137 × 1022 × 613 | Left | Universal | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU84X4024RLP | 84.13 × 39.76 × 24.13<br>2137 × 1010 × 613 | Right | No Cutout | Mild Steel | A84PM40 | A84PM40G | 72.00 × 33.75<br>1829 × 857 |
| AU90X4018BLP | 90.13 × 39.76 × 18.11<br>2286 × 1010 × 460 | Both | None | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |
| AU90X4018LLP | 90.13 × 39.76 × 18.11<br>2286 × 1010 × 460 | Left | Preferred | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |
| AU90X4018LUCLP | 90.13 × 39.76 × 18.11<br>2286 × 1010 × 460 | Left | Universal | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |
| AU90X4018RLP | 90.13 × 39.76 × 18.11<br>2286 × 1010 × 460 | Right | None | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |
| AU90X4024BLP | 90.13 × 39.76 × 24.13<br>2286 × 1010 × 613 | Both | None | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |
| AU90X4024LLP | 90.13 × 39.76 × 24.13<br>2286 × 1010 × 613 | Left | Preferred | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |
| AU90X4024LUCLP | 90.13 × 39.76 × 24.13<br>2286 × 1010 × 613 | Left | Universal | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |
| AU90X4024RLP | 90.13 × 39.76 × 24.13<br>2286 × 1010 × 613 | Right | None | Mild Steel | A90PM40 | A90PM40G | 78.00 × 33.75<br>1982 × 857 |

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3.38
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B - 5.00
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A - 8.98
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A - 10.75
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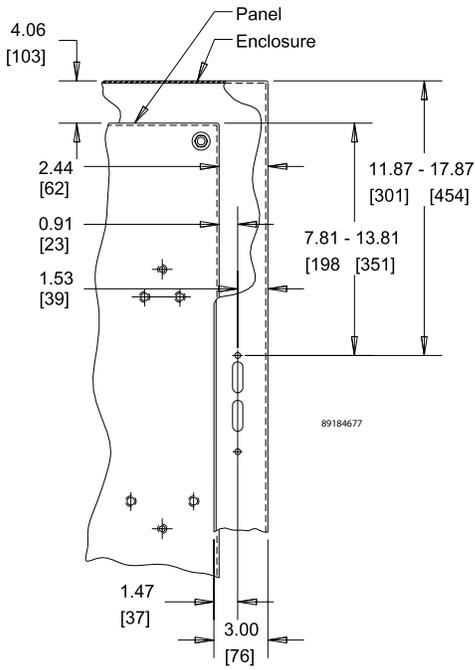[52]

3.73
[95]

1.87
[47]

2.00
[51]

## TWO-DOOR UNIVERSAL FREE-STAND ENCLOSURES, TYPE 4

| Catalog Number | A×B×C in./mm | Sides Open | Cutout Type | Material | Panel, Painted | Panel, Conductive | Panel Size in./mm |
|---|---|---|---|---|---|---|---|
| AU72X7818BLP | 72.13 × 77.99 × 18.11<br>1832 × 1981 × 460 | Both | No Cutout | Mild Steel | A72PM78 | A72PM78G | 60.00 × 72.00<br>1524 × 1829 |
| AU72X7818LLP | 72.13 × 78.50 × 18.11<br>1832 × 1994 × 460 | Left | Preferred | Mild Steel | A72PM78 | A72PM78G | 60.00 × 72.00<br>1524 × 1829 |
| AU72X7818LUCLP | 72.13 × 78.50 × 18.11<br>1832 × 1994 × 460 | Left | Universal | Mild Steel | A72PM78 | A72PM78G | 60.00 × 72.00<br>1524 × 1829 |
| AU72X7818RLP | 72.13 × 77.99 × 18.11<br>1832 × 1981 × 460 | Right | No Cutout | Mild Steel | A72PM78 | A72PM78G | 60.00 × 72.00<br>1524 × 1829 |
| AU84X7818BLP | 84.13 × 77.99 × 18.11<br>2137 × 1981 × 460 | Both | No Cutout | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU84X7818LLP | 84.13 × 78.50 × 18.11<br>2137 × 1994 × 460 | Left | Preferred | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU84X7818LUCLP | 84.13 × 78.50 × 18.11<br>2137 × 1994 × 460 | Left | Universal | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU84X7818RLP | 84.13 × 77.99 × 18.11<br>2137 × 1981 × 460 | Right | No Cutout | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU84X7824BLP | 84.13 × 77.99 × 24.13<br>2137 × 1981 × 613 | Both | No Cutout | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU84X7824LLP | 84.13 × 78.50 × 24.13<br>2137 × 1994 × 613 | Left | Preferred | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU84X7824LUCLP | 84.13 × 78.50 × 24.13<br>2137 × 1994 × 613 | Left | Universal | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU84X7824RLP | 84.13 × 77.99 × 24.13<br>2137 × 1981 × 613 | Right | No Cutout | Mild Steel | A84PM78 | A84PM78G | 72.00 × 72.00<br>1829 × 1829 |
| AU90X7818BLP | 90.13 × 77.99 × 18.11<br>2286 × 1981 × 460 | Both | None | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |
| AU90X7818LLP | 90.13 × 77.99 × 18.11<br>2286 × 1981 × 460 | Left | Preferred | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |
| AU90X7818LUCLP | 90.13 × 77.99 × 18.11<br>2286 × 1981 × 460 | Left | Universal | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |
| AU90X7818RLP | 90.13 × 77.99 × 18.11<br>2286 × 1981 × 460 | Right | None | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |
| AU90X7824BLP | 90.13 × 77.99 × 24.13<br>2286 × 1981 × 613 | Both | None | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |
| AU90X7824LLP | 90.13 × 77.99 × 24.13<br>2286 × 1981 × 613 | Left | Preferred | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |
| AU90X7824LUCLP | 90.13 × 77.99 × 24.13<br>2286 × 1981 × 613 | Left | Universal | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |
| AU90X7824RLP | 90.13 × 77.99 × 24.13<br>2286 × 1981 × 613 | Right | None | Mild Steel | A90PM78 | A90PM78G | 78.00 × 72.00<br>1982 × 1829 |

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B/2 -4.25
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OPENING

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OPENING

61.38
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A -9.00
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A

7.12
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3.73
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6.52
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2.00
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## DISCONNECT CUTOUT DIMENSIONS

4.06
[103]

Panel
Enclosure

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[23]

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1.53
[39]

89184677

1.47
[37]

3.00
[76]

The universal Free-Stand left side open models have a preferred cutout with the following critical dimensions. Consult disconnect manufactures instruction manual for proper device installation.

## UNIVERSAL FREE-STAND GASKET BAYING KIT

Gasket Baying Kit is used to bay multiple Universal Free-Stand Enclosures together and is rated 4, 4X, 12, 3R and IP66. Includes gasket and baying hardware.

**Universal Free-stand Gasket Baying kit**

| Catalog Number | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|
| AU7218FGK | 72.13 1832 | 18.11 460 | .13 3 |
| AU8418FGK | 84.13 2137 | 18.11 460 | .13 3 |
| AU8424FGK | 84.13 2137 | 24.13 613 | .13 3 |
| AU9018FGK | 90.13 2286 | 18.11 460 | 0.13 3 |
| AU9024FGK | 90.13 2286 | 24.13 613 | 0.13 3 |

## UNIVERSAL FREE-STAND FORMED END PLATE, MILD STEEL

End plate is used to seal open side(s) of Universal Free-Stand Enclosures. The 2.50-inch deep End Plate allows extra wiring space and is Type 4, 12, 3R and IP66 rated. Gasket and mounting bolts are included.

**Universal Free-stand Formed end plate, Mild steel**

| Catalog Number | Material | Color | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|---|
| AU7218EPT | Mild Steel | ANSI 61 Gray | 72.13 1832 | 18.11 460 | 2.50 64 |
| AU8418EPT | Mild Steel | ANSI 61 Gray | 84.13 2137 | 18.11 460 | 2.50 64 |
| AU8424EPT | Mild Steel | ANSI 61 Gray | 84.13 2137 | 24.13 613 | 2.50 64 |
| AU9018EPT | Mild Steel | ANSI 61 Gray | 90.13 2286 | 18.11 460 | 2.5 64 |
| AU9024EPT | Mild Steel | ANSI 61 Gray | 90.13 2286 | 24.13 613 | 2.5 64 |

## UNIVERSAL FREE-STAND FLAT END PLATE, MILD STEEL

Flat End plate is used to seal open side(s) of Universal Free-Stand Enclosures. The Flat End Plate provides a low profile cover and is Type 4, 12, 3R, and IP66 rated. Studs welded to the end plate eliminate bolt holes. Gasket and mounting hardware are furnished.

**Universal Free-stand Flat end plate, Mild steel**

| Catalog Number | Material | Color | Height in./mm | Width in./mm |
|---|---|---|---|---|
| AU7218FEP | Mild Steel | ANSI 61 Gray | 72.13 1832 | 18.11 460 |
| AU8418FEP | Mild Steel | ANSI 61 Gray | 84.13 2137 | 18.11 460 |
| AU8424FEP | Mild Steel | ANSI 61 Gray | 84.13 2137 | 24.13 613 |
| AU9018FEP | Mild Steel | ANSI 61 Gray | 90.13 2286 | 18.11 460 |
| AU9024FEP | Mild Steel | ANSI 61 Gray | 90.13 2286 | 24.13 613 |

## UNIVERSAL FREE-STAND BARRIER PANEL

Barrier Panel is used to provide a Type 1 rated barrier between individual Universal Free-Stand Enclosures. Two-piece design mounts on the inside of the enclosure reducing a leak point, installation time and complexity. No additional hardware is required to install barrier once enclosures are bayed together.

**Universal Free-stand Barrier panel**

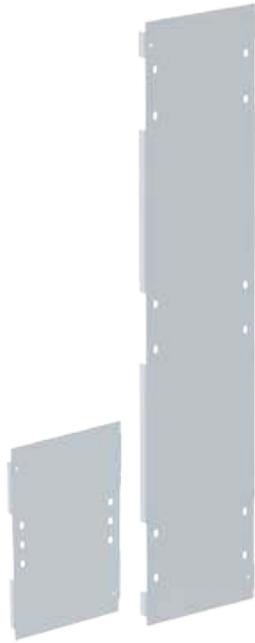| Catalog Number | Material | Color | Height in./mm | Width in./mm |
|---|---|---|---|---|
| AU7218BP | Mild Steel | White | 72.01 1829 | 17.64 448 |
| AU8418BP | Mild Steel | White | 84.02 2134 | 17.64 448 |
| AU8424BP | Mild Steel | White | 84.02 2134 | 23.62 600 |
| AU9018BP | Mild Steel | White | 90.13 2286 | 18.11 460 |
| AU9024BP | Mild Steel | White | 90.13 2286 | 24.13 613 |

## UNIVERSAL FREE-STAND SLIDING FALSE FLOOR

The Sliding False Floor is used to provide a Type 1 rated barrier between the bottom of the Universal Free-Stand Enclosure and the panel area.

**Standard Product**

| Catalog Number | Material | Color | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|---|
| AU4018SFF | Mild Steel | ANSI 61 Gray | 5.98 152 | 39.45 1002 | 17.52 445 |
| AU4024SFF | Mild Steel | ANSI 61 Gray | 5.98 152 | 39.45 1002 | 23.50 597 |

Side Panels can be added to any two-bayed surfaces for additional panel space without affecting the type rating.

## Standard Product Small Side Panels

| Catalog Number | Material | Finish | Color | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|---|---|
| AU2418SP | Mild Steel | Painted | White | 22.52 572 | 14.02 356 | 0.84 21 |
| AU2418SPG | Mild Steel | Galvanized | Unpainted | 22.52 572 | 14.02 356 | 0.84 21 |
| AU2424SP | Mild Steel | Painted | White | 22.52 572 | 20.00 508 | 0.84 21 |
| AU2424SPG | Mild Steel | Galvanized | Unpainted | 22.52 572 | 20.00 508 | 0.84 21 |

## Standard Product Full Side Panels

| Catalog Number | Material | Finish | Color | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|---|---|---|
| AU7218SP | Mild Steel | Painted | White | 60.00 1524 | 14.02 356 | 0.84 21 |
| AU7218SPG | Mild Steel | Galvanized | Unpainted | 60.00 1524 | 14.02 356 | 0.84 21 |
| AU8418SP | Mild Steel | Painted | White | 72.01 1829 | 14.02 356 | 0.84 21 |
| AU8418SPG | Mild Steel | Galvanized | Unpainted | 72.01 1829 | 14.02 356 | 0.84 21 |
| AU8424SP | Mild Steel | Painted | White | 72.01 1829 | 20.00 508 | 0.84 21 |
| AU8424SPG | Mild Steel | Galvanized | Unpainted | 72.01 1829 | 20.00 508 | 0.84 21 |
| AU9018SP | Mild Steel | Painted | White | 78 1981 | 14.02 356 | 0.84 21 |
| AU9018SPG | Mild Steel | Galvanized | Unpainted | 78 1981 | 14.02 356 | 0.84 21 |
| AU9024SP | Mild Steel | Painted | White | 78 1981 | 20 508 | 0.84 21 |
| AU9024SPG | Mild Steel | Galvanized | Unpainted | 78 1981 | 20 508 | 0.84 21 |

## UNIVERSAL FREE-STAND FILLER PANEL

Filler panels are installed between two-bayed panels to provide a flush surface to run conduit and mount components.

### Standard Product

| Catalog Number | Material | Finish | Color | Height in./mm | Width Bracket in./mm | Width Filler Panel in./mm | Depth in./mm |
|---|---|---|---|---|---|---|---|
| AU72FP | Mild Steel | Painted | White | 60.00 1524 | 10.50 267 | 5.57 141 | 0.84 21 |
| AU72FPG | Mild Steel | Galvanized | Unpainted | 60.00 1524 | 10.50 267 | 5.57 141 | 0.84 21 |
| AU84FP | Mild Steel | Painted | White | 72.01 1829 | 10.50 267 | 5.57 141 | 0.84 21 |
| AU84FPG | Mild Steel | Galvanized | Unpainted | 72.01 1829 | 10.50 267 | 5.57 141 | 0.84 21 |
| AU90FP | Mild Steel | Painted | White | 78 1981 | 10.5 267 | 5.57 141 | 0.84 21 |
| AU90FPG | Mild Steel | Galvanized | Unpainted | 78 1981 | 10.5 267 | 5.57 141 | 0.84 21 |

## UNIVERSAL FREE-STAND PANEL GLIDER

Panel Gliders are used to provide a smooth surface from the front lip of the enclosure to the back panel support. Gliders assist and improve panel installation process. They are intended to be used reusable tools to aid in the installation of panels and removed from enclosure after panel installation.

### Standard Product

| Catalog Number | Height in./mm | Width in./mm | Depth in./mm |
|---|---|---|---|
| AU18PGR | 17.00 432 | 3.37 86 | 1.03 26 |
| AU24PGR | 23.00 584 | 3.37 86 | 1.03 26 |

## UNIVERSAL FREE-STAND OPERATOR RELEASE MECHANISM

The Operator Release Mechanism provides a connection between the primary door handle orientation and the disconnect device. If the primary door handle is turned to the open position, the disconnect cannot be turned on. Must be used with an Operator Adapter for Preferred Cutouts (sold separately).

### Standard Product

| Catalog Number | Height in./mm | Width in./mm |
|---|---|---|
| AUORMK | 9.88 251 | 1.61 41 |

## MILD STEEL HIGH-AMP SEQUESTR COMBINATIONS

Pair the High-Amp Sequestr with these free-stand or floor-mount enclosures to create your desired arc flash prevention solution.

**Modular Disconnect, Type 12**
Bulletin A34



**Universal Free-Stand, Type 12, 3R, 4**
Bulletin A35



**OR**

**High-Amp Sequestr, Type 4 and 12**
Bulletin A70D

**Free-Stand Disconnect, Type 12**
Bulletins A28M1, A28M2, A28MM





**+**

**OR**

**Floor-Mount Disconnect, Type 12**
Bulletin A21

**=**

**Arc Flash Prevention Solution**





**OR**

**Free-Stand Disconnect with Quick-Release Hinge, Type 4**
Bulletin A4L3D

## MILD STEEL LOW-AMP SEQUESTR COMBINATIONS

Pair the Low-Amp Sequestr with these free-stand or floor-mount enclosures to create your desired arc flash prevention solution.

**Modular Disconnect, Type 12**
Bulletin A34

**Universal Free-Stand, Type 12, 3R, 4**
Bulletin A35

**OR**

**Low-Amp Sequestr, Type 4 and 12**
Bulletin A70D

**Free-Stand Disconnect, Type 12**
Bulletins A28M1, A28M2, A28MM

**Arc Flash Prevention Solution**

**+**

**OR**

**Floor-Mount Disconnect, Type 12**
Bulletin A21

**=**

**OR**

**Free-Stand Disconnect with Quick-Release Hinge, Type 4**
Bulletin A4L3D

Our powerful portfolio of brands:

**CADDY     ERICO     HOFFMAN     ILSCO     SCHROFF     TRACHTE**