# TABLE OF CONTENTS

# POLYCARBONATE, THE BETTER TECHNOLOGY

Integra Enclosures pioneered the use of polycarbonate in electrical enclosures and we continue to raise the bar on the market today. Polycarbonate is widely superior compared to other enclosure materials because of its high tensile strength and prolonged durability. It is strong like steel yet cuts like butter, making it easier for users to install and modify enclosures in the field. Because of it's material make-up, polycarbonate maintains its durability and will not break down or fade in sunlight.

## THE UNSURPASSED ADVANTAGES OF POLYCARBONATE ENCLOSURES

### UV Protection

Integra polycarbonate enclosures carry an F1 rating for excellent UV protection. Unlike fiberglass enclosures, which break down when exposed to sunlight and moisture, polycarbonate remains strong even in harsh environments.

### Impact Resistance

Polycarbonate enclosures have a dramatically higher tensile strength compared to other materials. Integra's polycarbonate lines have an impact resistance of over 900 in-lbs.

### Ease of Modification

Polycarbonate enclosures are safe and easy to machine, with no harmful dust or splintering to worry about! Integra offers custom, in-house machining on all our polycarbonate enclosures.

## POLYCARBONATE APPLICATIONS

Polycarbonate enclosures are a superior choice for a wide range of outdoor applications and environments:

- **Remote Monitoring -** Polycarbonate allows for radio waves to pass more freely without sacrificing protection.

- **Alternative Energy -** From solar to wind, keep systems safe from the sun, wind and water.

- **Water Treatment -** Water/wastewater treatment and sprinkler systems are well-protected in our 4X and 6P rated enclosures.

- **Utility & Electrical (Smart Grid) -** Utility applications that are housed outdoor are ideally enclosed in polycarbonate.

- **Marine & Marina -** Whether on-ship or at the dock, guard against corrosive saltwater and sun.

# STAINLESS STEEL, A NEW EVOLUTION

Integra is changing the way you buy stainless steel enclosures with our Strongbox line. Built from quality 304 stainless steel, Strongbox enclosures offer a durable, attractive option for multiple indoor and outdoor applications. Our stainless steel enclosures are NEMA 4X rated and designed to protect against corrosion, chemicals, and ingress water. Choose one of our off-the-shelf products or design a custom enclosure to fit your exact specifications.

## THE UNMATCHED ADVANTAGES OF STAINLESS STEEL ENCLOSURES

### Chameleon Effect

The natural reflectivity and smooth brushed finish of our stainless steel provides an unobtrusive quality that allows it to blend in to the environment.

### Corrosion Resistant

Our weather resistant stainless steel enclosures are impervious to corrosion and rust deterioration. No painting or continuous maintenance required!

### Heat Dissipation

Stainless steel has the highest reflective value to help minimize the enclosure's internal temperature and protect electronics from harmful effects of heat.

## STAINLESS STEEL APPLICATIONS

Stainless steel enclosures offer great water-tight protection for multiple indoor and outdoor applications:

- **Food Industry -** Stand up to the extreme environments for food and beverage preparation.

- **Pharmaceutical -** We meet the necessary UL and NEMA 4X requirements in compliance with federal regulations for pharmaceutical manufacturing.

- **Outdoor -** The unmatched reflectivity and corrosion resistance of stainless steel makes it a great option for outdoor applications.

- **OEM / Manufacturing -** Our Strongbox line offers complete customization of dimensions, machining and configuration to meet your needs.

# CUSTOMIZATIONS

**OUR PRODUCT, THE WAY YOU LIKE IT**

## MACHINING & MODIFICATIONS

### POLYCARBONATE

- Drilled Hole Patterns
- CNC Machine Cutouts
- Mounting & Latching Options
- Various Accessories Available

### STAINLESS STEEL

- Laser Cut Machining
- Mounting Options
- Latching Options
- Hinge Options
- Custom Back and Swing Panels
- Various Accessories Available

## COLOR & POWDER COAT

### MOLDED COLOR
### POLYCARBONATE

- Match your company's color and logo
- Blend into the environment
- UL Rated*
- 100-piece minimum

*Contact factory
for details

### POWDER COATED
### STAINLESS STEEL

- Range of RAL colors to choose from
- Additional layer of protection
- Blend into the environment
- UV resistant

# CUSTOMIZATIONS

## AVAILABLE ON ANY SIZE ENCLOSURE

## PRINTING & ENGRAVING

- Full-color, High-Quality UV Cured Ink available in 16.7 Million Colors
- Weatherproof, UV, Chemical, and Scratch Resistant options for any application

### POLYCARBONATE

- **Laser** etches into plastic creating the most durable image. Various shades can be accomplished but no color is applied.

- **UV Printing** uses a "liquid plastic" that acts like ink to create a raised image from an array of unlimited colors. This highly durable print is UV cured and resistant.

- **Overlays** are the easiest to manipulate and the most cost-effective color option. They can be opaque or transparent and applied to the inside or outside of the cover.

- **Silk-Screening** prints a high-quality image by layering colors on top of each other. This longer process is worth the price as it is considered our best-looking print.

### STAINLESS STEEL

- **Engraving** uses a laser to inscribe into the metal. Images can be solid, outlined, or have an alternate fill in gray scale shades.

- **Silk-Screening** creates sharp, full color images with optional UV protective coating for outdoor use.

**For a custom printing quote, please send the following to customerservice@integraenclosures.com**

- High quality .AI art file of the exact graphic to be printed
- Drawing or sketch showing location and size of art

# POLYCARBONATE & FIBERGLASS, WHICH IS BETTER?

| | POLY | FIBERGLASS | |
|---|:---:|:---:|---|
| **Impact Resistance** | ✔ | ✖ | The average fiberglass enclosure tensile strength is approximately 220 in-lbs. Polycarbonate has a tensile strength of 900 in-lbs. **Polycarbonate has over 4 times the impact resistance of fiberglass.** |
| **Weight** | ✔ | ✖ | Whether it is saving on shipping cost or the ability for one person to carry and install a product in an enclosure, weight is increasingly important. **Polycarbonate is up to 40% lighter than fiberglass.** |
| **UV Resistance** | ✔ | ✖ | Fiberglass UV protection is offered as a shield or other coating that attempts to protect the fibers from the inevitable deterioration or even failure of the exterior coating. **With polycarbonate, the UV inhibitor is in the formulation and is uniformly integral to the enclosure.** |
| **Ease of Modification** | ✔ | ✖ | Fiberglass is tough on tools and often chips while machining, leaving sharp, unsightly edges. Also, fiberglass, upon drilling or cutting gives off a very fine dust that is difficult to clean up and is a skin and lung irritant. **Integra polycarbonate enclosures are easy to modify, do not give off dust and leave a clean, attractive surface with no sharp edges.** |
| **Eco-friendly** | ✔ | ✖ | Whether during the manufacturing process or at the end of the enclosure's life, fiberglass material cannot be reused and is destined for landfills. **Polycarbonate in the manufacturing process or at the end of its usable life is recyclable.** |
| **Damage from Shipping/Handling** | ✔ | ✖ | Fiberglass is a very brittle material, to the point that it risks damage anytime it is dropped or mishandled in any way. **Because of its durability, polycarbonate is rarely damaged from shipping or handling.** |

## PREMIUM LINE

**SIZES**: 6x6x2 through 18x16x10

**LATCHES**: stainless steel (LL) or non-metallic (NL) locking latch

**HINGES**: hinge or screw cover

**COVER**: opaque and clear

UL/C-UL-50 listed
UL/cUL NEMA Type 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 13
"S" and "H-6P" series are NEMA 6/6P marine rated

- Unique T-Rail mounting system to completely adjust panels and face plates
- Includes enclosure foot mount or flange mount system
- Brass inserts for securing mounting feet or flange, screw cover and optional back panel

## IMPACT® LINE

**SIZES**: 4x4x3 through 12x10x4

**LATCHES**: integrated, stainless steel or non-metallic

**HINGES**: standard or low profile

**COVER**: opaque and clear

UL/C-UL-50 listed
UL/cUL NEMA Type 1, 2, 3, 3R, 3S, 4, 4X, 5, 6/6P, 12, 13 rated (locking latch not 6/6P rated)

- Integrated mounting flanges
- Advanced interior mounting system for circuit boards, face plates, swing panels, etc.
- Multiple molded-in bosses to secure optional back panel

## GENESIS LINE

**SIZES**: 20x16x8 and 24x24x10

**LATCHES**: three-point, quarter turn or non-metallic

**HINGES**: continuous piano hinge

**COVER**: opaque and clear

UL/C-UL-50 listed
UL/cUL NEMA Type 1, 2, 3, 3R, 3S, 4, 4X, 5, 6/6P, 12, 13 rated

- The MULTI-MAX Rail System creates three-dimensional mounting space
- MULTI-MAX frame ring provides un-matched strength and rigidity
- Optional swing panel includes full piano hinge to additional strength.

## STRONGBOX LINE

**SIZES**: standard and custom sizes

**LATCHES**: three-point, quarter turn or stainless steel locking latch

**HINGES**: removable Pinge™, continuous Piano hinge, or Lift-Off hinge

UL 508A listed
UL/cUL NEMA Type 1, 2, 3, 3R, 3S, 4, 4X rated

- Standard stainless steel enclosures feature a 1/4 turn latch, bolted tabs and Removable Pin Hinge
- Panel stand-offs for mounting optional subpanels
- Polyurethane foam-in-place gasket creates water-tight seal with collar flange around door opening

# PREMIUM SERIES OVERVIEW

- **NEMA 4X and 6P Protection**
  All Integra enclosures carry a minimum NEMA 4X protection rating against water, dust and dirt. For even greater water-tight protection, our Premium screw cover enclosures carry a NEMA 6P/IP68 rating which allows for temporary submersion up to 6 feet for 24 hours.

- **Wide Operating Temperature Range**
  Polycarbonate is stable and holds its tensile strength better than other non-metallic materials over a temperature range from -40 deg F to 265 deg F.

- **Crystal Clear Covers**
  Clear covers are a superior alternative to mechanically affixed window kits.

- **EZ Hinge**
  Integra's standard hinges allow easy door removal or replacement while permitting a full 225-degree door swing.

- **Unique T-Rail Panel Suspension System**
  The optional brackets that attach to the T-Rails allow our customers to mount an individual mounting panel at any height in the enclosure or to even have multiple back panels at different heights.

- **Molded in Mounting Bosses**
  All of the Premium line enclosures have extra mounting bosses molded into the rear wall to permit #10 self-tapping screws to secure din rail, circuit board, or any other device or component into the enclosure.

- **Modifications**
  Full modifications services are available at Integra, including machining holes for displays, cable connectors, multi-pin connectors, antennae, etc. Call us to discuss your unique requirements.

- **Customization**
  Custom colors, custom back panels, silk screening, sub assembly of your product, or any other tailoring of our product to your need is our job. (Minimums may apply)

- **Packaging**
  Standard packaging is one unit per carton, packed to ensure safe delivery to your location. Or, if you have any special requirements for shipping, call us and we can work to meet your requirements.

**CUSTOM MACHINING AVAILABLE**

**BRASS INSERTS FOR SCREW CLOSURE**

**FULL COLOR PRINTING AVAILABLE**

**MOLDED MOUNTING BOSSES**

**T-RAIL PANEL SUSPENSION SYSTEM**

**TAGGABLE/ LOCKABLE LATCHES**

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H6062S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H6062SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H6062SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H6062SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H6062H | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | |
| H6062HC | ✓ | | ✓ | ✓ | | ✓ | ✓ | | | |
| H6062HF | ✓ | | ✓ | ✓ | ✓ | | | ✓ | | |
| H6062HCF | ✓ | | ✓ | ✓ | | ✓ | | ✓ | | |
| ★ H6062HLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| ★ H6062HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H6062HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H6062HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H6062HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H6062HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H6062HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H6062HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H6062H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| H6062HC-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| H6062HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H6062HCF-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

SECTION F-F

SECTION G-G

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 6x6x2 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP66** - Aluminum panel
**SBP66** - Steel panel
**PVCBP66** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-66-USOPK** - Complete kit
**ABP-66USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-66-USOPK** - Complete kit
**SBP-66USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
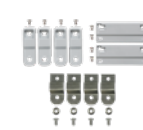See page 78 for more details
and part numbers.

**Din Rail**
**DIN 6** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-26** - 2" pole
**PMKG-36** - 3" pole
**PMKG-46** - 4" pole
**PMKG-126** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK6** - 6" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H6064S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H6064SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H6064SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H6064SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H6064H | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | |
| H6064HC | ✓ | | ✓ | ✓ | | ✓ | ✓ | | | |
| H6064HF | ✓ | | ✓ | ✓ | ✓ | | | ✓ | | |
| H6064HCF | ✓ | | ✓ | ✓ | | ✓ | | ✓ | | |
| ★ H6064HLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| ★ H6064HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H6064HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H6064HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H6064HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H6064HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H6064HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H6064HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H6064H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| H6064HC-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| H6064HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H6064HCF-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

8.20  [208,26]
6.54  [166,01]
4.88  [123,87]

7.69  4.62
[195,33]  [117,35]

6.54
[166,01]

**SECTION A-A**
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4.54
[115,3]

5.97
[151,63]

**SECTION B-B**

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4.52   [114,89]
3.63   [92,2]

4.62
[117,35]

4.25    7.13
[107,95]  [181,1]

1.00   [25,4] TYP.
.75   [19,05] TYP.

4.25   [107,95]

5.47
[138,81]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 6x6x4 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP66** - Aluminum panel
**SBP66** - Steel panel
**PVCBP66** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-66-USOPK** - Complete kit
**ABP-66USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-66-USOPK** - Complete kit
**SBP-66USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
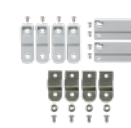See page 78 for more details
and part numbers.

**Din Rail**
**DIN 6** -  2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-26** - 2" pole
**PMKG-36** - 3" pole
**PMKG-46** - 4" pole
**PMKG-126** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK6** - 6" Flange kit

# 8X6X4 PREMIUM SERIES

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.

- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).

- **Wide range** of sizes, configurations and accessories provides capabilities for every application.

- **Brass inserts** – in corner bosses for easy component installation.

- **Standard color** – light gray with a gloss finish.

- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H8064S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H8064SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H8064SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H8064SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H8064H | ✓ | | ✓ | | ✓ | | ✓ | | | |
| H8064HC | ✓ | | ✓ | | | ✓ | ✓ | | | |
| H8064HF | ✓ | | ✓ | | ✓ | | | ✓ | | |
| H8064HCF | ✓ | | ✓ | | | ✓ | | ✓ | | |
| ★ H8064HLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| ★ H8064HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H8064HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H8064HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H8064HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H8064HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H8064HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H8064HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H8064H-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| H8064HC-6P | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | |
| H8064HF-6P | ✓ | ✓ | ✓ | | ✓ | | | ✓ | | |
| H8064HCF-6P | ✓ | ✓ | ✓ | | | ✓ | | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

8.16 [207,27]
6.44 [163,58]
4.87 [123,79]
9.69 [246,13]
5.53 [140,51]
8.44 [214,38]

SECTION A-A
5.99 [152,1]

4.43 [112,4]
8.03 [203,...]

SECTION B-B

8.16 [207,27]
4.90 [124,37]
4.00 [101,6]
5.53 [140,51]
6.25 [158,75]
8.75 [222,25]
1.56 [39,67]
2.13 [53,98]
4.25 [107,95]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 8x6x4 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP86** - Aluminum panel
**SBP86** - Steel panel
**PVCBP86** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-86-USOPK** - Complete kit
**ABP-86USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-86-USOPK** - Complete kit
**SBP-86USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
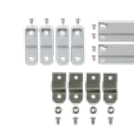See page 78 for more details
and part numbers.

**Din Rail**
**DIN 6** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-26** - 2" pole
**PMKG-36** - 3" pole
**PMKG-46** - 4" pole
**PMKG-126** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK6** - 6" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
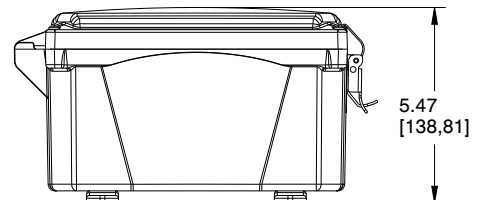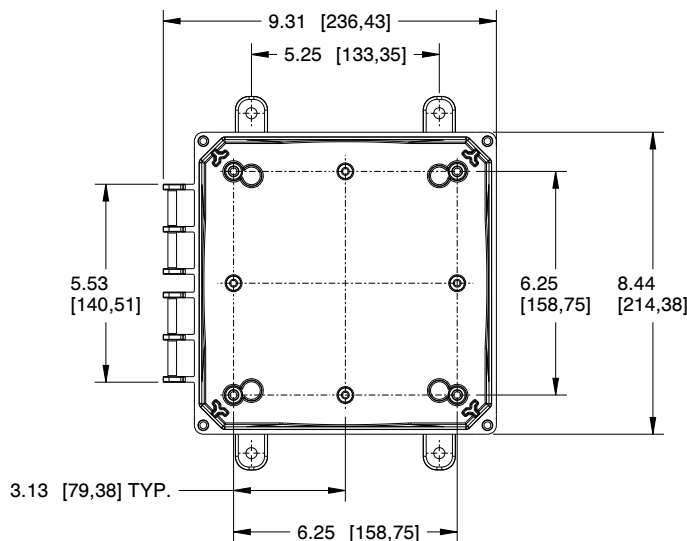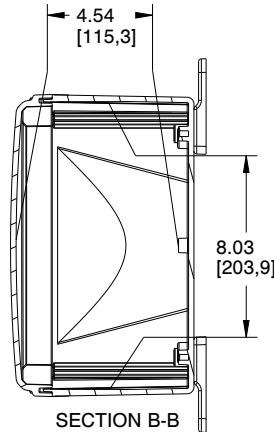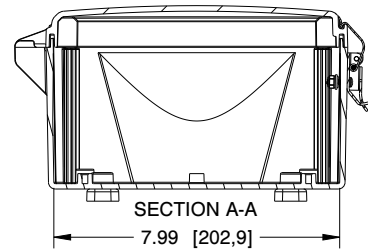- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H8084S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H8084SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H8084SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H8084SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H8084H | ✓ | | ✓ | | ✓ | | ✓ | | | |
| H8084HC | ✓ | | ✓ | | | ✓ | ✓ | | | |
| H8084HF | ✓ | | ✓ | | ✓ | | | ✓ | | |
| H8084HCF | ✓ | | ✓ | | | ✓ | | ✓ | | |
| ★ H8084HLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| ★ H8084HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H8084HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H8084HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H8084HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H8084HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H8084HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H8084HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H8084H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| H8084HC-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| H8084HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H8084HCF-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | | |

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10.16 [258,01]
8.44 [214,38]
7.14 [181,45]

10.06 [255,52]  5.53 [140,51]

8.44 [214,38]

SECTION A-A
7.99 [202,9]

4.54 [115,3]

8.03 [203,9]

SECTION B-B

9.31 [236,43]
5.25 [133,35]

5.53 [140,51]

6.25 [158,75]  8.44 [214,38]

3.13 [79,38] TYP.

6.25 [158,75]

5.47 [138,81]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
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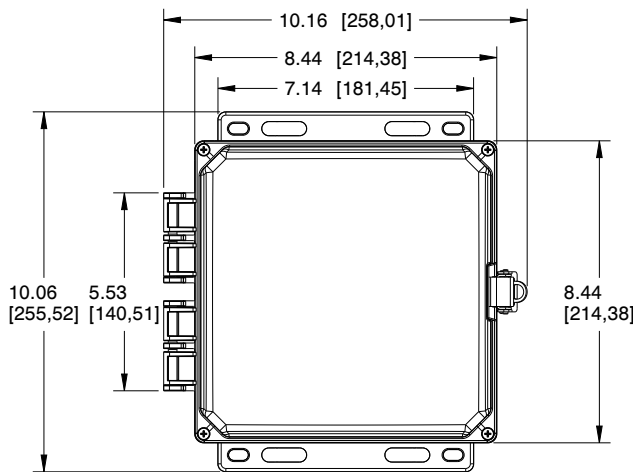
## Accessories for 8x8x4 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP88** - Aluminum panel
**SBP88** - Steel panel
**PVCBP88** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-88-USOPK** - Complete kit
**ABP-88USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-88-USOPK** - Complete kit
**SBP-88USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
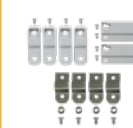See page 78 for more details
and part numbers.

**Din Rail**
**DIN 8** -  2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-26** - 2" pole
**PMKG-36** - 3" pole
**PMKG-46** - 4" pole
**PMKG-126** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK6** - 6" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
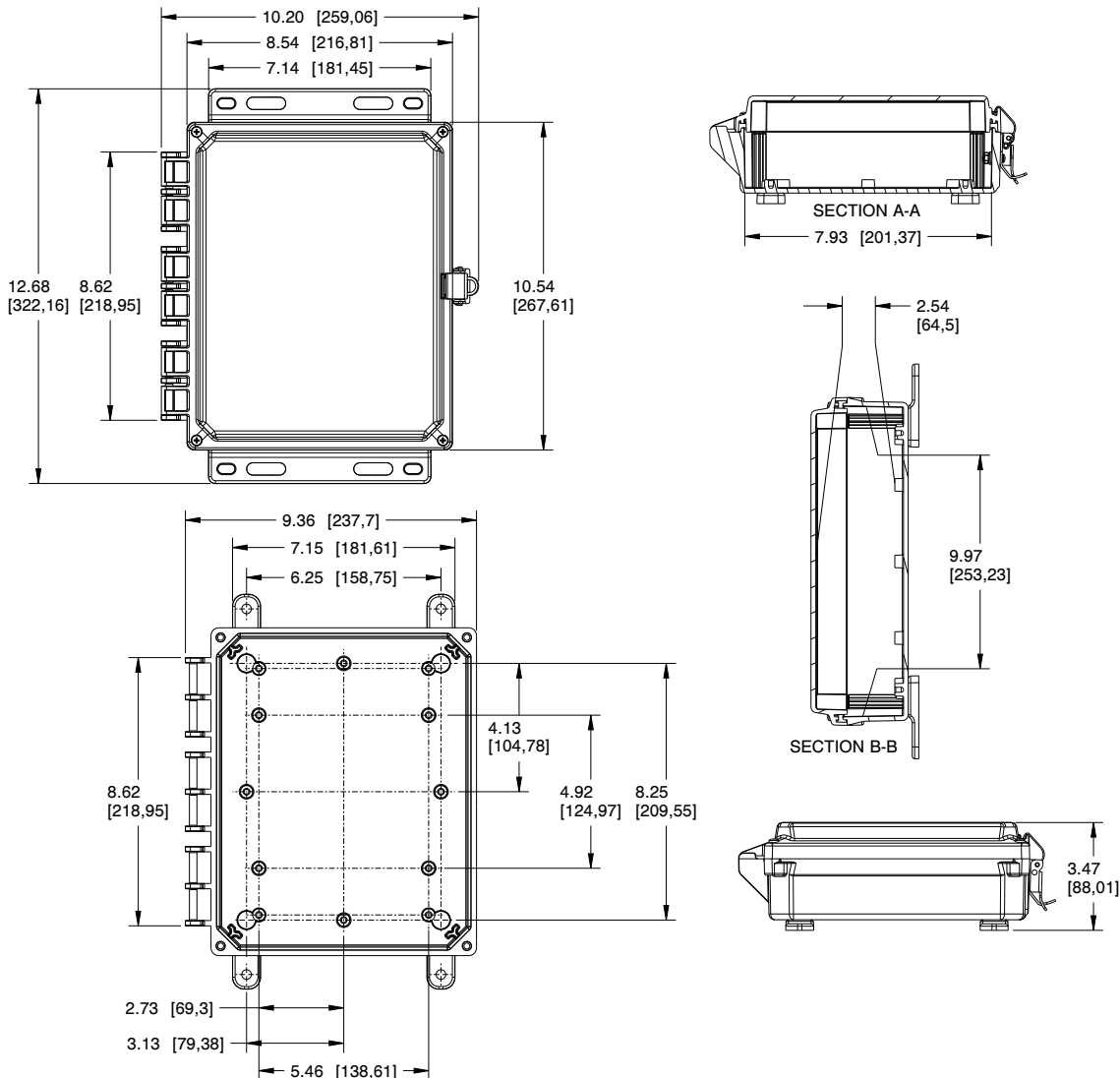- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet

Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H10082S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H10082SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H10082SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H10082SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H10082H | ✓ | | ✓ | | ✓ | | ✓ | | | |
| H10082HC | ✓ | | ✓ | | | ✓ | ✓ | | | |
| H10082HF | ✓ | | ✓ | | ✓ | | | ✓ | | |
| H10082HCF | ✓ | | ✓ | | | ✓ | | ✓ | | |
| ★ H10082HLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| ★ H10082HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H10082HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H10082HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H10082HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H10082HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H10082HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H10082HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H10082H-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| H10082HC-6P | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | |
| H10082HF-6P | ✓ | ✓ | ✓ | | ✓ | | | ✓ | | |
| H10082HCF-6P | ✓ | ✓ | ✓ | | | ✓ | | ✓ | | |

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SECTION A-A

SECTION B-B

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
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## Accessories for 10x8x2 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP1082** - Aluminum panel
**SBP1082** - Steel panel
**PVCBP1082** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-108-USOPK** - Complete kit
**ABP-108USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-108-USOPK** - Complete kit
**SBP-108USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
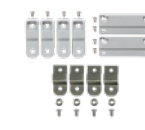See page 78 for more details
and part numbers.

**Din Rail**
**DIN 8** -  2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-28** - 2" pole
**PMKG-38** - 3" pole
**PMKG-48** - 4" pole
**PMKG-128** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK8** - 8" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)



Mounting Feet          Mounting Flanges

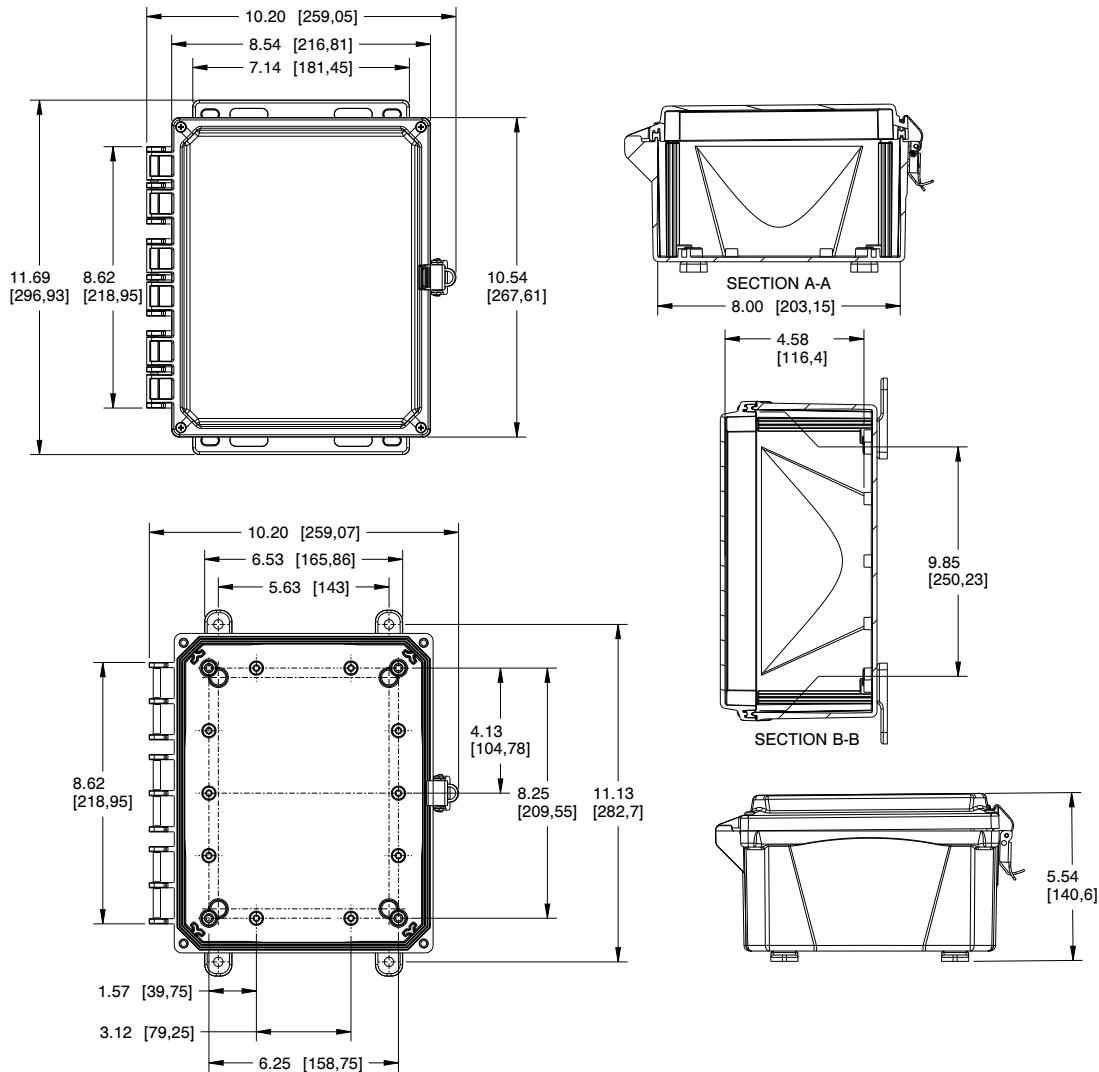| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H10084S | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H10084SC | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | |
| H10084SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H10084SCF | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | |
| H10084H | ✓ | | ✓ | | ✓ | ✓ | ✓ | | | |
| H10084HC | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| H10084HF | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | |
| H10084HCF | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ H10084HLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| ★ H10084HCLL | ✓ | | ✓ | | | | ✓ | ✓ | ✓ | |
| H10084HFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H10084HCFLL | ✓ | | ✓ | | | | ✓ | ✓ | ✓ | |
| H10084HNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H10084HCNL | ✓ | | ✓ | | | | ✓ | ✓ | | ✓ |
| H10084HFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H10084HCFNL | ✓ | | ✓ | | | | ✓ | ✓ | | ✓ |
| H10084H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| H10084HC-6P | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| H10084HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H10084HCF-6P | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |

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10.20 [259,05]
8.54 [216,81]
7.14 [181,45]

11.69 [296,93]   8.62 [218,95]   10.54 [267,61]

SECTION A-A
8.00 [203,15]

4.58 [116,4]

9.85 [250,23]

SECTION B-B

10.20 [259,07]
6.53 [165,86]
5.63 [143]

8.62 [218,95]

4.13 [104,78]

8.25 [209,55]   11.13 [282,7]

5.54 [140,6]

1.57 [39,75]
3.12 [79,25]
6.25 [158,75]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
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*[Bracketed dimensions in mm]*

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## Accessories for 10x8x4 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP108** - Aluminum panel
**SBP108** - Steel panel
**PVCBP108** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-108-USOPK** - Complete kit
**ABP-108USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-108-USOPK** - Complete kit
**SBP-108USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers.

**Din Rail**
**DIN 8** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-28** - 2" pole
**PMKG-38** - 3" pole
**PMKG-48** - 4" pole
**PMKG-128** - 12" pole

**Mounting Feet & Flange Kits**
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**MFKSS** - Stainless steel feet
**MFLK8** - 8" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
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- **Standard color** – light gray with a gloss finish.
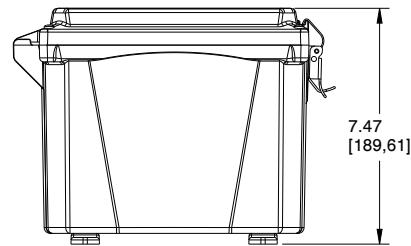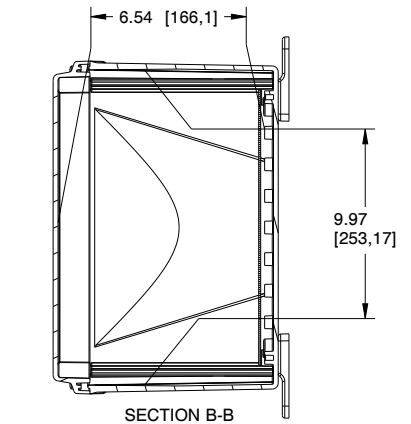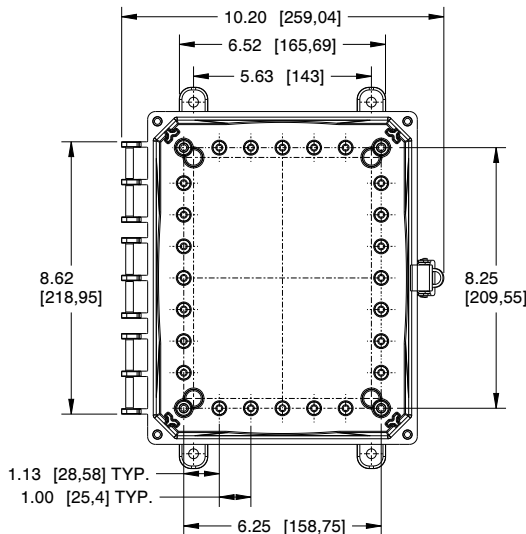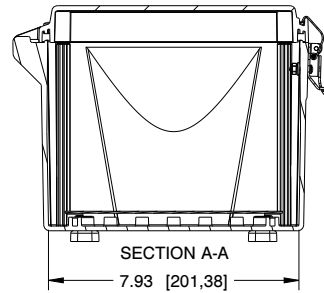- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet

Mounting Flanges

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| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
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| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H10086S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H10086SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H10086SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H10086SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H10086H | ✓ | | ✓ | | ✓ | | ✓ | | | |
| H10086HC | ✓ | | ✓ | | | ✓ | ✓ | | | |
| H10086HF | ✓ | | ✓ | | ✓ | | | ✓ | | |
| H10086HCF | ✓ | | ✓ | | | ✓ | | ✓ | | |
| ★ H10086HLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| ★ H10086HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H10086HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H10086HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H10086HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H10086HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H10086HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H10086HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H10086H-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| H10086HC-6P | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | |
| H10086HF-6P | ✓ | ✓ | ✓ | | ✓ | | | ✓ | | |
| H10086HCF-6P | ✓ | ✓ | ✓ | | | ✓ | | ✓ | | |

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SECTION A-A

SECTION B-B

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*[Bracketed dimensions in mm]*

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## Accessories for 10x8x6 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP108** - Aluminum panel
**SBP108** - Steel panel
**PVCBP108** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-108-USOPK** - Complete kit
**ABP-108USP** - Panel only
**USOPK** - Hardware only

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**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-108-USOPK** - Complete kit
**SBP-108USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers.

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**DIN 8** - 2 rails, 4 screws

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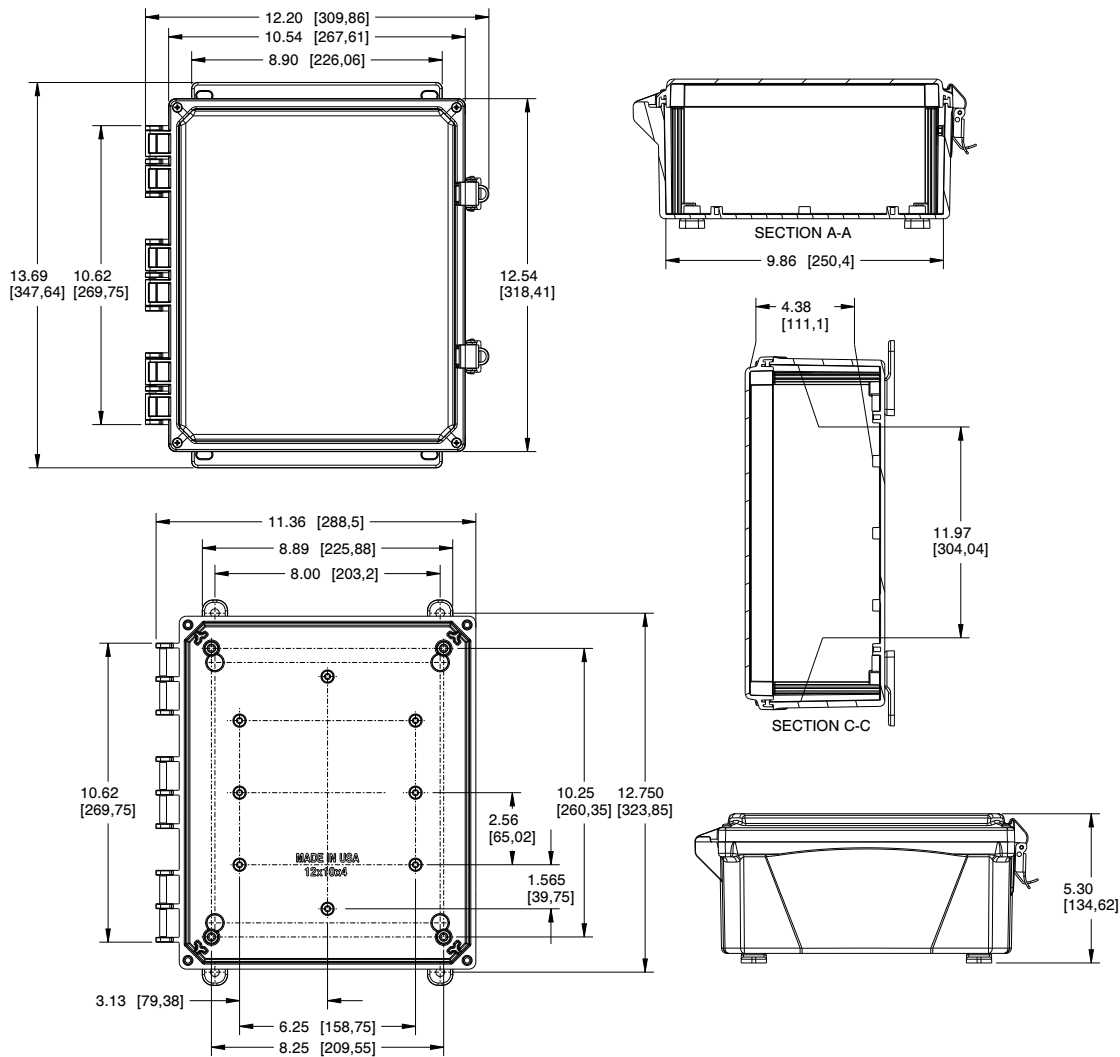- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
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| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H12104S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H12104SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H12104SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H12104SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H12104H | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | |
| H12104HC | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| H12104HF | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | |
| H12104HCF | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ H12104HLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| ★ H12104HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H12104HFLL | ✓ | | ✓ | | | ✓ | | | ✓ | ✓ |
| H12104HCFLL | ✓ | | ✓ | | | | ✓ | | ✓ | ✓ |
| H12104HNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H12104HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H12104HFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H12104HCFNL | ✓ | | ✓ | | | | ✓ | | ✓ | ✓ |
| H12104H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| H12104HC-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| H12104HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H12104HCF-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

**SECTION A-A**

**SECTION C-C**

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 12x10x4 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP1210** - Aluminum panel
**SBP1210** - Steel panel
**PVCBP1210** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-1210-USOPK** - Complete kit
**ABP-1210USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents / Fan Shrouds**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth
**FS KIT1 -** 1 piece kit
**FS KIT2 -** 2 piece kit

**Steel Swing Panel Kits**
**SBP-1210-USOPK** - Complete kit
**SBP-1210USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers.

**Din Rail**
**DIN 10** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-210** - 2" pole
**PMKG-310** - 3" pole
**PMKG-410** - 4" pole
**PMKG-1210** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK10** - 10" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet        Mounting Flanges

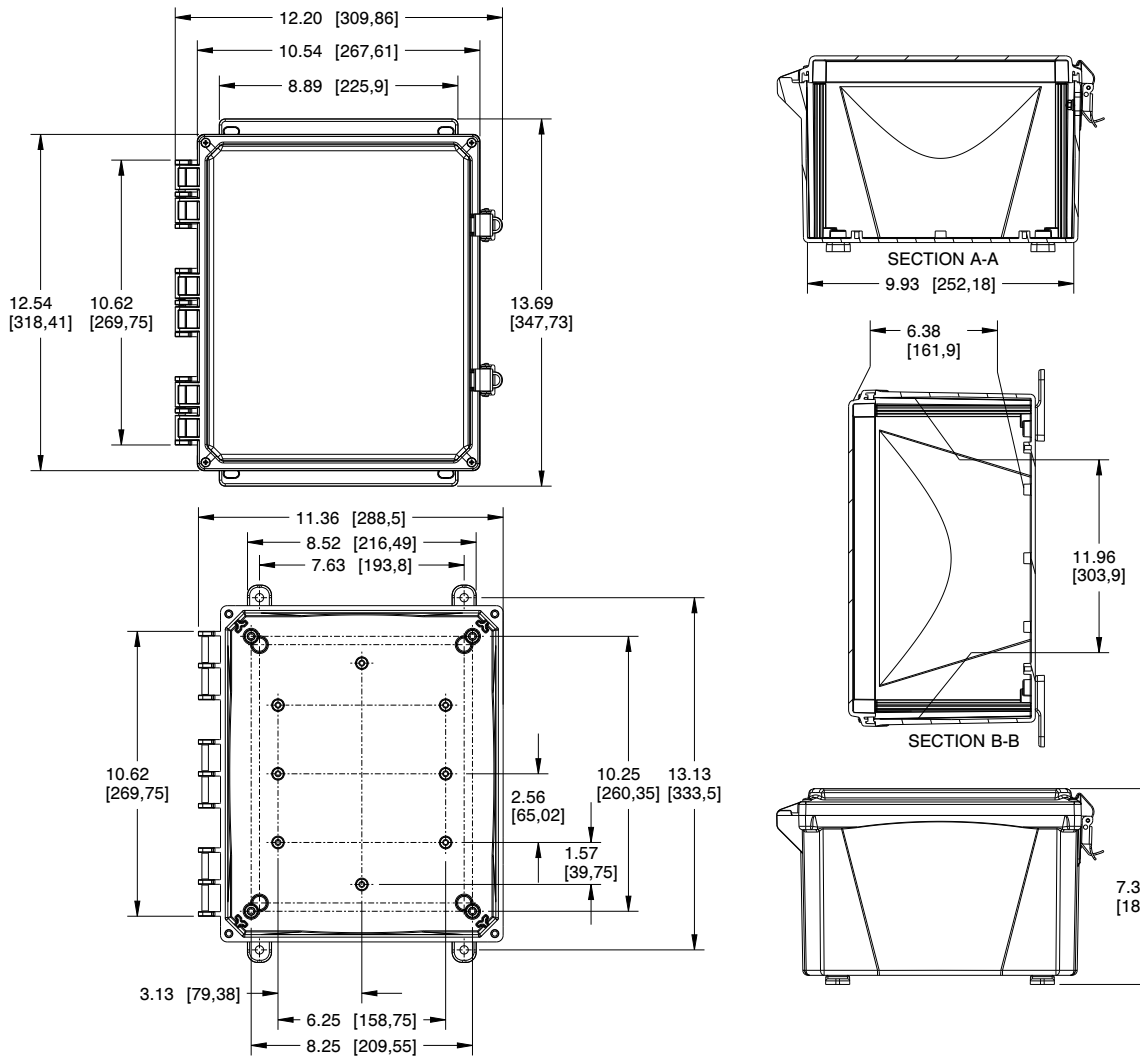| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H12106S | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | | |
| H12106SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H12106SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H12106SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H12106H | ✓ | | ✓ | | ✓ | ✓ | ✓ | | | |
| H12106HC | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| H12106HF | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | |
| H12106HCF | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ H12106HLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| ★ H12106HCLL | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | ✓ |
| H12106HFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H12106HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H12106HNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H12106HCNL | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | ✓ |
| H12106HFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H12106HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H12106H-6P | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | |
| H12106HC-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| H12106HF-6P | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | |
| H12106HCF-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

12.20 [309,86]
10.54 [267,61]
8.89 [225,9]

12.54 [318,41]    10.62 [269,75]

13.69 [347,73]

SECTION A-A
9.93 [252,18]

6.38 [161,9]

11.96 [303,9]

11.36 [288,5]
8.52 [216,49]
7.63 [193,8]

10.62 [269,75]

2.56 [65,02]

1.57 [39,75]

10.25 [260,35]    13.13 [333,5]

SECTION B-B

7.3 [18

3.13 [79,38]
6.25 [158,75]
8.25 [209,55]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 12x10x6 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP1210** - Aluminum panel
**SBP1210** - Steel panel
**PVCBP1210** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-1210-USOPK** - Complete kit
**ABP-1210USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents / Fan Shrouds**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth
**FS KIT1 -** 1 piece kit
**FS KIT2 -** 2 piece kit

**Steel Swing Panel Kits**
**SBP-1210-USOPK** - Complete kit
**SBP-1210USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
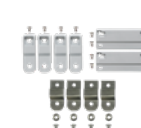IP68/NEMA 4X/6P rated
See page 76 for more details
and part numbers.

**Din Rail**
**DIN 10** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-210** - 2" pole
**PMKG-310** - 3" pole
**PMKG-410** - 4" pole
**PMKG-1210** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK10** - 10" Flange kit

# 14X12X6 PREMIUM SERIES

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
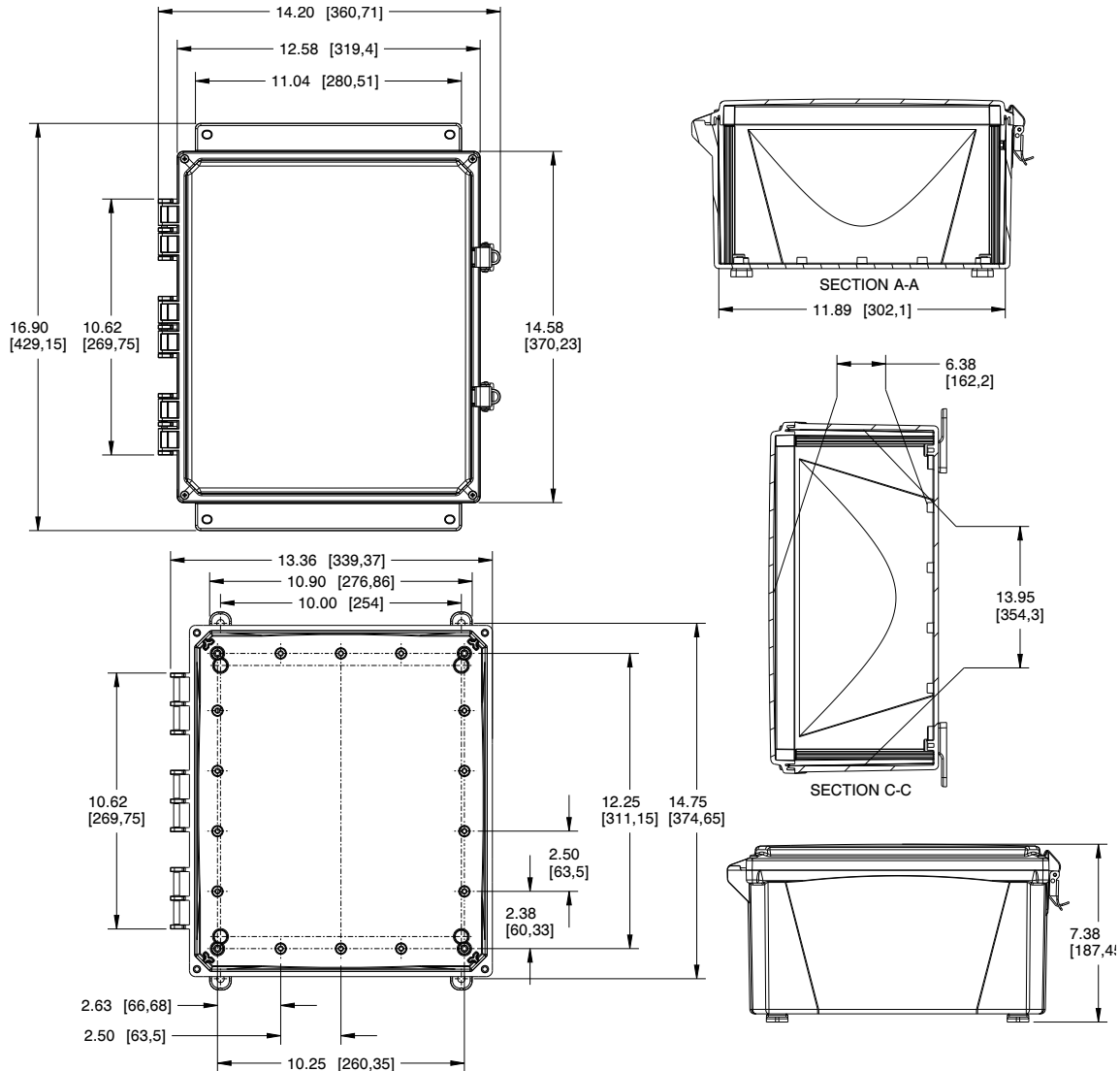- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H141206S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H141206SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H141206SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H141206SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H141206H | ✓ | | ✓ | | ✓ | ✓ | ✓ | | | |
| H141206HC | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| H141206HF | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | |
| H141206HCF | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ H141206HLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| ★ H141206HCLL | ✓ | | ✓ | | | ✓ | ✓ | ✓ | ✓ | |
| H141206HFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H141206HCFLL | ✓ | | ✓ | | | | ✓ | ✓ | ✓ | |
| H141206HNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H141206HCNL | ✓ | | ✓ | | | | ✓ | ✓ | | ✓ |
| H141206HFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H141206HCFNL | ✓ | | ✓ | | | | ✓ | ✓ | | ✓ |
| H141206H-6P | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | |
| H141206HC-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| H141206HF-6P | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | |
| H141206HCF-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

14.20 [360,71]
12.58 [319,4]
11.04 [280,51]

16.90 [429,15]
10.62 [269,75]
14.58 [370,23]

SECTION A-A
11.89 [302,1]

6.38 [162,2]

13.95 [354,3]

SECTION C-C

13.36 [339,37]
10.90 [276,86]
10.00 [254]

10.62 [269,75]

12.25 [311,15]
14.75 [374,65]

2.50 [63,5]

2.38 [60,33]

7.38 [187,45]

2.63 [66,68]
2.50 [63,5]
10.25 [260,35]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 14x12x6 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP1412** - Aluminum panel
**SBP1412** - Steel panel
**PVCBP1412** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-1412-USOPK** - Complete kit
**ABP-1412USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents / Fan Shrouds**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth
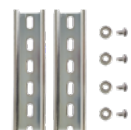**FS KIT1 -** 1 piece kit
**FS KIT2 -** 2 piece kit

**Steel Swing Panel Kits**
**SBP-1412-USOPK** - Complete kit
**SBP-1412USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
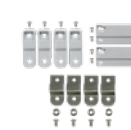IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers.

**Din Rail**
**DIN 12** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-212** - 2" pole
**PMKG-312** - 3" pole
**PMKG-412** - 4" pole
**PMKG-1212** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK12** - 12" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet       Mounting Flanges

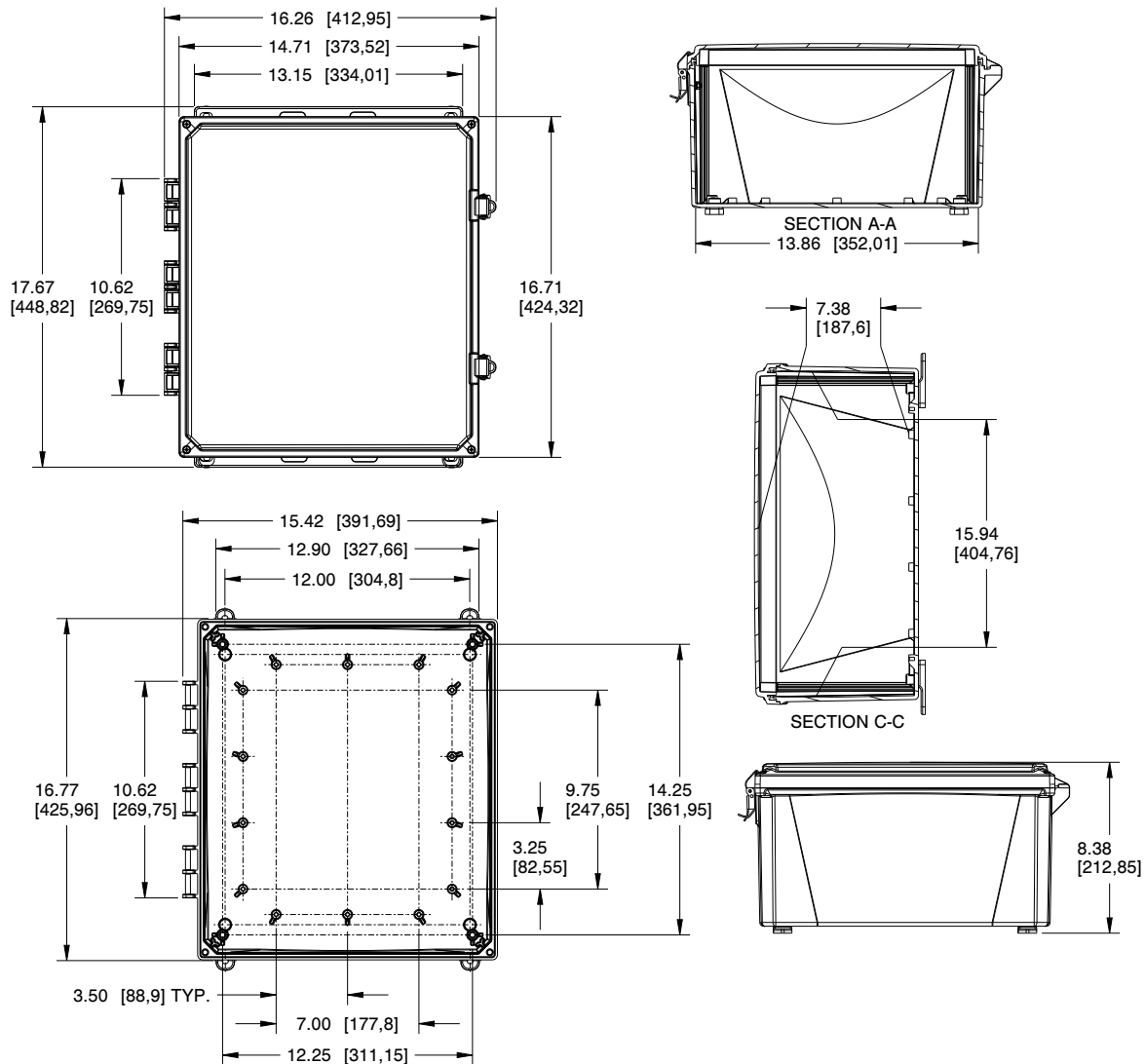| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H161407S | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H161407SC | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | |
| H161407SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H161407SCF | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | |
| H161407H | ✓ | | ✓ | | ✓ | ✓ | ✓ | | | |
| H161407HC | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| H161407HF | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | |
| H161407HCF | ✓ | | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ H161407HLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| ★ H161407HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H161407HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H161407HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H161407HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H161407HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H161407HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H161407HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H161407H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| H161407HC-6P | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| H161407HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H161407HCF-6P | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

16.26 [412,95]
14.71 [373,52]
13.15 [334,01]

17.67 [448,82]   10.62 [269,75]

16.71 [424,32]

SECTION A-A
13.86 [352,01]

7.38 [187,6]

15.94 [404,76]

SECTION C-C

15.42 [391,69]
12.90 [327,66]
12.00 [304,8]

16.77 [425,96]   10.62 [269,75]

9.75 [247,65]   14.25 [361,95]

3.25 [82,55]

8.38 [212,85]

3.50 [88,9] TYP.

7.00 [177,8]

12.25 [311,15]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 16x14x7 (For complete accessories, see pages 81-85)

**Back Panels**
ABP1614 - Aluminum panel
SBP1614 - Steel panel
PVCBP1614 - PVC panel

**Aluminum Swing Panel Kits**
ABP-1614-USOPK - Complete kit
ABP-1614USP - Panel only
USOPK - Hardware only

**Back Panel Adjustment Kit**
BPAKG - Gray, Set Screw
BPAKB - Black, Set Screw
UBPAKG - Gray, Thumb Screw
UBPAKB - Black Thumb Screw

**Air Vents / Fan Shrouds**
VENT 3 - Aluminum louvered
VENT 2 - Outdoor labyrinth
FS KIT1 - 1 piece kit
FS KIT2 - 2 piece kit

**Steel Swing Panel Kits**
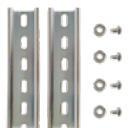SBP-1614-USOPK - Complete kit
SBP-1614USP - Panel only
USOPK - Hardware only

**Cord Grips**
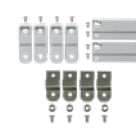IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers.

**Din Rail**
DIN 14 - 2 rails, 4 screws

**Pole Mounting Kit**
PMKG-214 - 2" pole
PMKG-314 - 3" pole
PMKG-414 - 4" pole
PMKG-1214 - 12" pole

**Mounting Feet & Flange Kits**
MFKG - Premium line feet
MFKSS - Stainless steel feet
MFLK14 - 14" Flange kit

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H161810H | ✓ | | ✓ | ✓ | ✓ | | | ✓ | | |
| H161810HC | ✓ | | ✓ | ✓ | | | ✓ | ✓ | | |
| H161810HF | ✓ | | ✓ | ✓ | ✓ | | | | ✓ | |
| H161810HCF | ✓ | | ✓ | ✓ | | | ✓ | | ✓ | |
| H161810H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H161810HC-6P | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | |
| H161810HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | |
| H161810HCF-6P | ✓ | ✓ | ✓ | ✓ | | | ✓ | | ✓ | |

*This enclosure has a horizontal orientation with the hinge located on the 16" side of the enclosure.
Mounting Flanges to be mounted vertically on 16" sides of the enclosure.
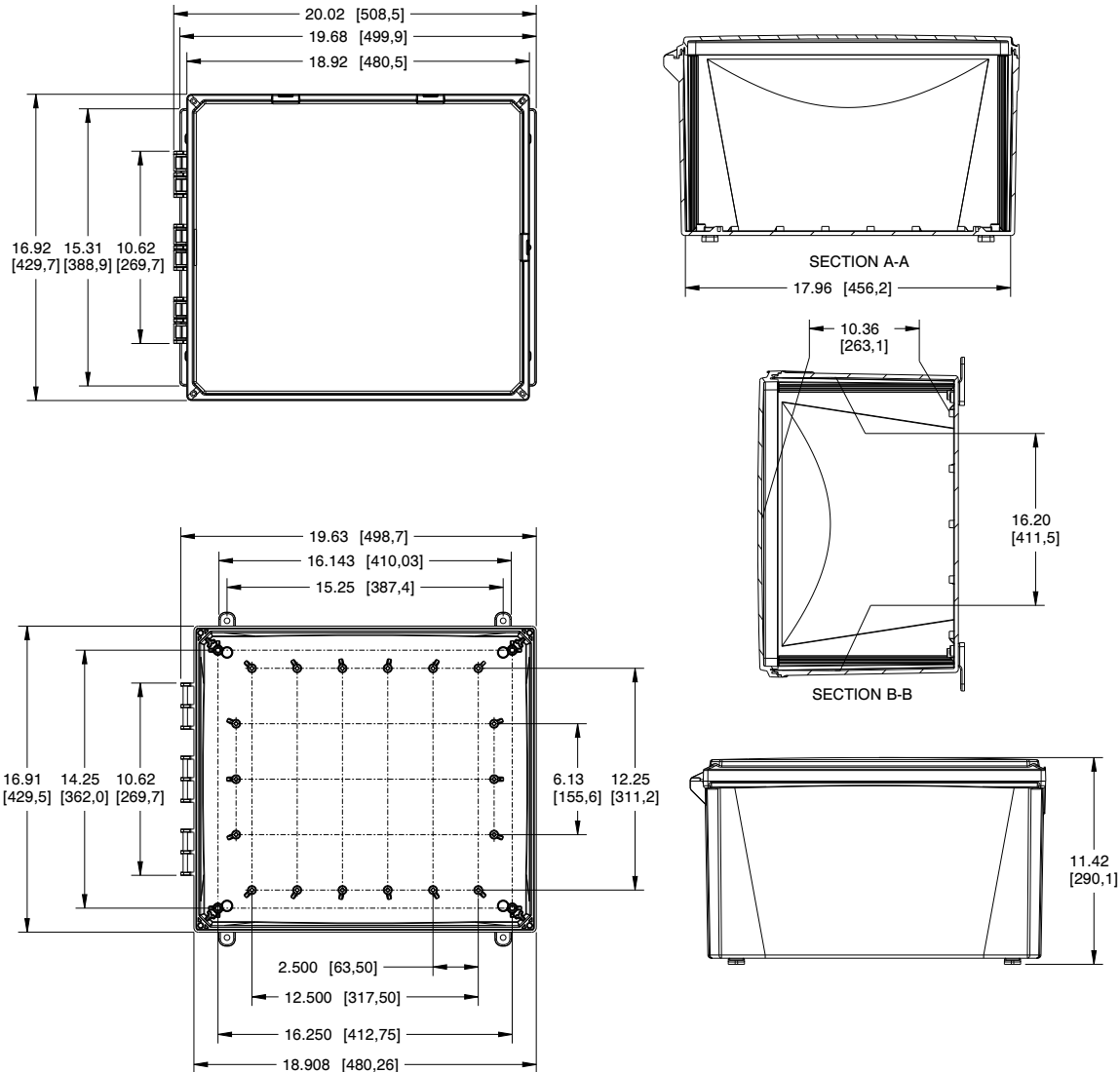
20.02 [508,5]
19.68 [499,9]
18.92 [480,5]

16.92 15.31 10.62
[429,7] [388,9] [269,7]

SECTION A-A
17.96 [456,2]

10.36 [263,1]

16.20 [411,5]

SECTION B-B

19.63 [498,7]
16.143 [410,03]
15.25 [387,4]

16.91 14.25 10.62
[429,5] [362,0] [269,7]

6.13 [155,6]  12.25 [311,2]

2.500 [63,50]
12.500 [317,50]
16.250 [412,75]
18.908 [480,26]

11.42 [290,1]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 16x18x10 (For complete accessories, see pages 81-85)

**Back Panels**
ABP1816 - Aluminum panel
SBP1816 - Steel panel
PVCBP1816 - PVC panel

**Aluminum Swing Panel Kits**
ABP-1816-USOPK - Complete kit
ABP-1816USP - Panel only
USOPK - Hardware only

**Back Panel Adjustment Kit**
BPAKG - Gray, Set Screw
BPAKB - Black, Set Screw
UBPAKG - Gray, Thumb Screw
UBPAKB - Black Thumb Screw

**Air Vents / Fan Shrouds**
VENT 3 - Aluminum louvered
VENT 2 - Outdoor labyrinth
FS KIT1 - 1 piece kit
FS KIT2 - 2 piece kit

**Steel Swing Panel Kits**
SBP-1816-USOPK - Complete kit
SBP-1816USP - Panel only
USOPK - Hardware only

**Cord Grips**
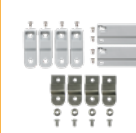IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers.

**Din Rail**
DIN 18 - 2 rails, 4 screws

**Pole Mounting Kit**
PMKG-218 - 2" pole
PMKG-318 - 3" pole
PMKG-418 - 4" pole
PMKG-1218 - 12" pole

**Mounting Feet & Flange Kits**
MFKG - Premium line feet
MFKSS - Stainless steel feet
MFLK16 - 16" Flange kit

# Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet          Mounting Flanges

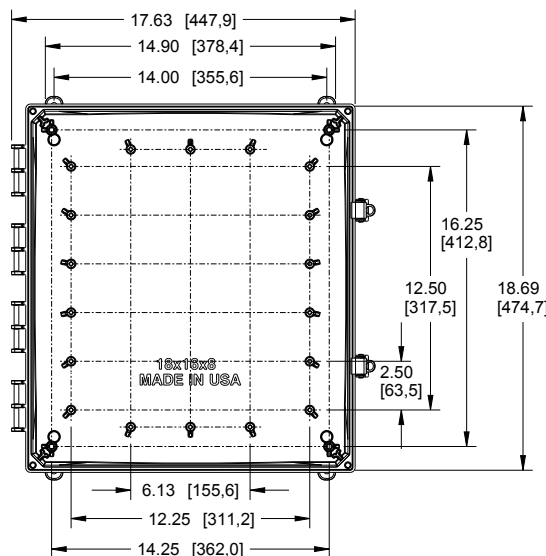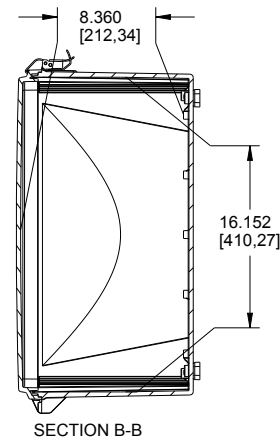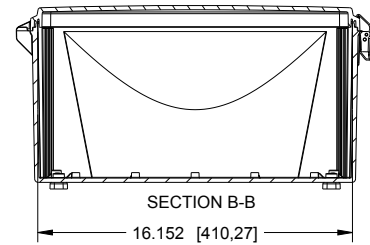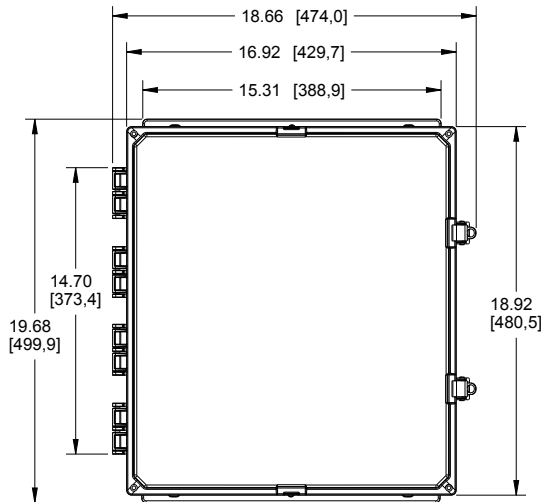| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H181608S | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H181608SC | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H181608SF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H181608SCF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H181608H | ✓ | | ✓ | | ✓ | | ✓ | | | |
| H181608HC | ✓ | | ✓ | | | ✓ | ✓ | | | |
| H181608HF | ✓ | | ✓ | | ✓ | | | ✓ | | |
| H181608HCF | ✓ | | ✓ | | | ✓ | | ✓ | | |
| ★ H181608HLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| ★ H181608HCLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| H181608HFLL | ✓ | | ✓ | | ✓ | | | ✓ | ✓ | |
| H181608HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H181608HNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H181608HCNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H181608HFNL | ✓ | | ✓ | | ✓ | | | ✓ | | ✓ |
| H181608HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H181608H-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | |
| H181608HC-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| H181608HF-6P | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | |
| H181608HCF-6P | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

18.66 [474,0]
16.92 [429,7]
15.31 [388,9]
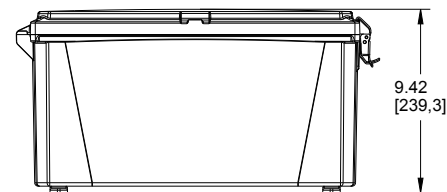
14.70 [373,4]
19.68 [499,9]
18.92 [480,5]

SECTION B-B
16.152 [410,27]

8.360 [212,34]
16.152 [410,27]

SECTION B-B

17.63 [447,9]
14.90 [378,4]
14.00 [355,6]

16.25 [412,8]
12.50 [317,5]
18.69 [474,7]
2.50 [63,5]

18x16x8
MADE IN USA

9.42 [239,3]

6.13 [155,6]
12.25 [311,2]
14.25 [362,0]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375' pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 18x16x8 (For complete accessories, see pages 81-85)

**Back Panels**
**ABP1816** - Aluminum panel
**SBP1816** - Steel panel
**PVCBP1816** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-1816-USOPK** - Complete kit
**ABP-1816USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents / Fan Shrouds**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth
**FS KIT1 -** 1 piece kit
**FS KIT2 -** 2 piece kit

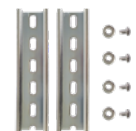**Steel Swing Panel Kits**
**SBP-1816-USOPK** - Complete kit
**SBP-1816USP** - Panel only
**USOPK** - Hardware only

**Cord Grips**
IP68/NEMA 4X/6P rated
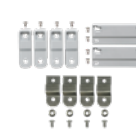See page 78 for more details
and part numbers.

**Din Rail**
**DIN 16** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-216** - 2" pole
**PMKG-316** - 3" pole
**PMKG-416** - 4" pole
**PMKG-1216** - 12" pole

**Mounting Feet & Flange Kits**
**MFKG** - Premium line feet
**MFKSS** - Stainless steel feet
**MFLK16** - 16" Flange kit

# 18X16X10 PREMIUM SERIES

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Flexible interior mounting** – features the unique and patented Integra adjustable depth "T-Rail" back panel mounting system (back panel and adjustable brackets sold separately).
- **Wide range** of sizes, configurations and accessories provides capabilities for every application.
- **Brass inserts** – in corner bosses for easy component installation.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (files # E229365, # E207562)

Mounting Feet

Mounting Flanges

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Hinged Cover | Screw Cover | Opaque Cover | Clear Cover | Mounting Feet | Mounting Flange | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| H181610S | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | |
| H181610SC | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| H181610SF | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | |
| H181610SCF | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | |
| H181610H | ✓ | | ✓ | | ✓ | ✓ | ✓ | | | |
| H181610HC | ✓ | | ✓ | | ✓ | | ✓ | | | |
| H181610HF | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | |
| H181610HCF | ✓ | | ✓ | | ✓ | | ✓ | | | |
| ★ H181610HLL | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | |
| ★ H181610HCLL | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | |
| H181610HFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H181610HCFLL | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| H181610HNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| H181610HCNL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| H181610HFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H181610HCFNL | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ |
| H181610H-6P | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | |
| H181610HC-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |
| H181610HF-6P | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | |
| H181610HCF-6P | ✓ | ✓ | ✓ | | ✓ | | ✓ | | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

16.91 [429,6]

12.00 [304,8]
MOUNTNG
PATTERN

19.68 [499,9]  14.70 [373,4]

18.74 [475,9]
MOUNTING
PATTERN

18.91 [480,4]

4X 0.547 [13,89]

4X Ø0.306 [7,78]

SECTION A-A
15.96 [405,4]

10.36 [263,1]

17.96 [456,2]

SECTION B-B

11.42 [290,1]

14.00 [355,7]
MOUNTING
PATTERN

18.75 [476,3]
MOUNTING
PATTERN

7.13 [181,0]  8.13 [206,4]

7.13 [181,0]  8.13 [206,4]

6.13 [155,6]  6.13 [155,6]

4X Ø0.310 [7,87]

7.13 [181,0]  7.13 [181,0]

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" SS countersunk Phillips drive screws (torque limit = 32 in lbs)
**Covers/Doors** - #10-32 x 0.75" SS pan Phillips drive screws (torque limit = 10 in lbs)
**Panels** - #10-32 x 0.375" pan Phillips drive screws (torque limit = 10-15 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 18x16x10  (For complete accessories, see pages 81-85)

**Back Panels**
ABP1816 - Aluminum panel
SBP1816 - Steel panel
PVCBP1816 - PVC panel

**Aluminum Swing Panel Kits**
ABP-1816-USOPK - Complete kit
ABP-1816USP - Panel only
USOPK - Hardware only

**Back Panel Adjustment Kit**
BPAKG - Gray, Set Screw
BPAKB - Black, Set Screw
UBPAKG - Gray, Thumb Screw
UBPAKB - Black Thumb Screw

**Air Vents / Fan Shrouds**
VENT 3 - Aluminum louvered
VENT 2 - Outdoor labyrinth
FS KIT1 - 1 piece kit
FS KIT2 - 2 piece kit

**Steel Swing Panel Kits**
SBP-1816-USOPK - Complete kit
SBP-1816USP - Panel only
USOPK - Hardware only

**Cord Grips**
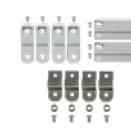IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers.

**Din Rail**
DIN 16 - 2 rails, 4 screws

**Pole Mounting Kit**
PMKG-216 - 2" pole
PMKG-316 - 3" pole
PMKG-416 - 4" pole
PMKG-1216 - 12" pole

**Mounting Feet & Flange Kits**
MFKG - Premium line feet
MFKSS - Stainless steel feet
MFLK16 - 16" Flange kit

# IMPACT® SERIES



# IMPACT® SERIES OVERVIEW

- **900 in-lbs. Impact Resistance**
  Polycarbonate is known for its high impact resistance and that is why we chose to use it as the material for our Impact series enclosures.

- **Wide Operating Temperature Range**
  Polycarbonate is stable and holds its tensile strength better than other non-metallic materials over a temperature range from -40 deg F to 265 deg F.

- **EZ Hinge or Low Profile Hinge**
  Integra's standard EZ hinges allow easy door removal or replacement while permitting a full 225-degree door swing. The new low profile hinge is not removable but provides a cleaner look to the enclosure.

- **Integrated Flanges**
  All Impact® series enclosures have mounting flanges moulded directly into the base. This offers a cleaner design and saves you time on installation.

- **100% Metal Free**
  Our integrated or nonmetallic latch options, along with our trademarked EZ hinge, offers a 100% metal free enclosure, which is ideal for housing radio signal or wifi devices.

- **Advanced Face Plate System**
  Easy to install face plates and swing panels allow you to maximize your enclosure space, and save time doing it! (not available on 9x8x2)

- **Molded in Mounting Bosses**
  All of the Impact® line enclosures have extra mounting bosses molded into the rear wall to permit #8 (for 4x4x3 to 8x6x3) and #10 (for 9x8x2 to 12x10x4) self -tapping screws to secure din rail, circuit board, or any other device or component into the enclosure.

- **Multiple Latch Options**
  Impact® series enclosures have an integrated latch option that is moulded directly into the lid for easy use and NEMA 6P rating. You can also choose Integra's non-metallic or stainless steel locking latches.

- **Modifications**
  Full modifications services are available at Integra, including machining holes for displays, cable connectors, multi pin connectors, antennae, etc. Call us to discuss your unique requirements.

- **Customization**
  Custom colors, custom back panels, silk screening, sub assembly of your product, or any other tailoring of our product to your need is our job. (Minimums may apply)
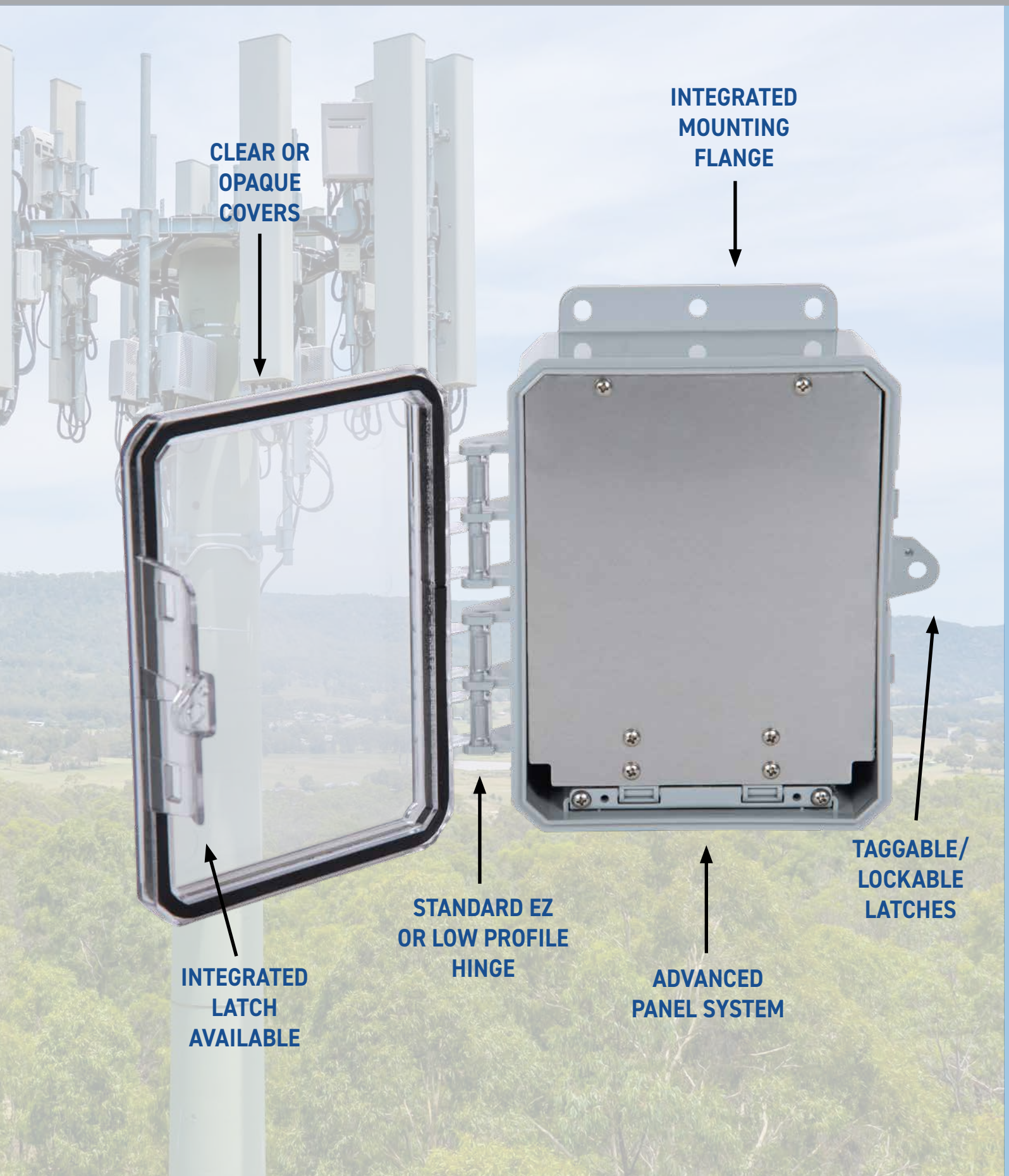
- **Packaging**
  Standard packaging is one unit per carton, packed to ensure safe delivery to your location. If you have any special requirements for shipping, call us and we can work to meet your requirements.

**CLEAR OR OPAQUE COVERS**

**INTEGRATED MOUNTING FLANGE**

**INTEGRATED LATCH AVAILABLE**

**STANDARD EZ OR LOW PROFILE HINGE**

**ADVANCED PANEL SYSTEM**

**TAGGABLE/ LOCKABLE LATCHES**

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.
- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.
- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (file # E207562)

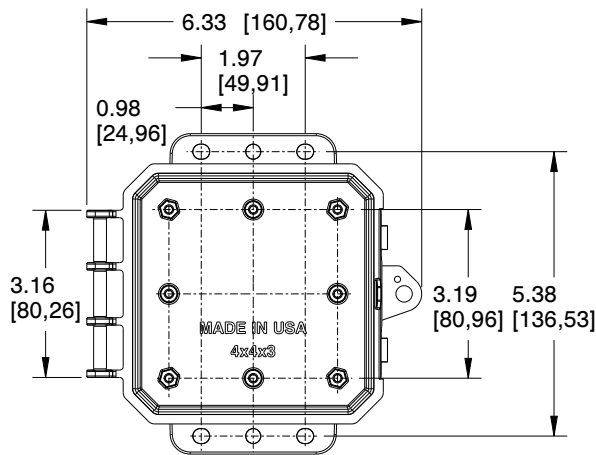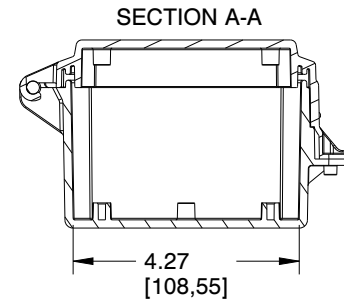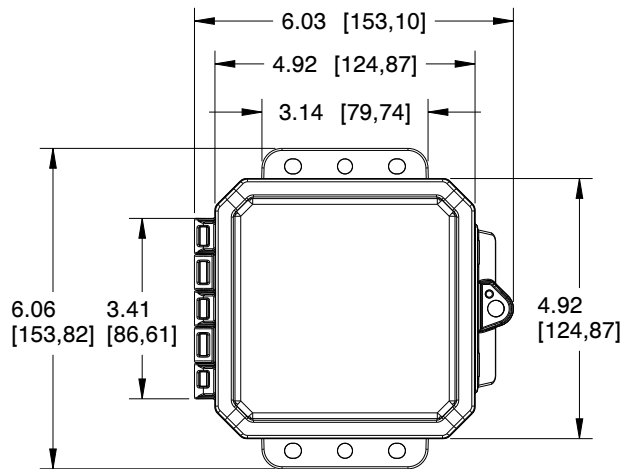| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| ★ P4043 | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ P4043C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| P4043LL | ✓ | | | | ✓ | | ✓ | | ✓ | |
| P4043CLL | ✓ | | | | | ✓ | ✓ | | ✓ | |
| P4043LP | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ | | |
| P4043LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P4043LPLL | ✓ | | | ✓ | ✓ | | ✓ | | ✓ | |
| P4043LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | |
| P4043NL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| P4043CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| P4043LPNL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| P4043LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

6.03 [153,10]
4.92 [124,87]
3.14 [79,74]
6.06 [153,82]
3.41 [86,61]
4.92 [124,87]

**SECTION A-A**

4.27 [108,55]

2.93 [74,3]

4.36 [110,82]

6.33 [160,78]
1.97 [49,91]
0.98 [24,96]
3.16 [80,26]
3.19 [80,96]
5.38 [136,53]

MADE IN USA
4x4x3

**SECTION B-B**

3.56 [90,30]
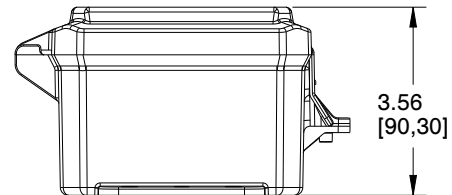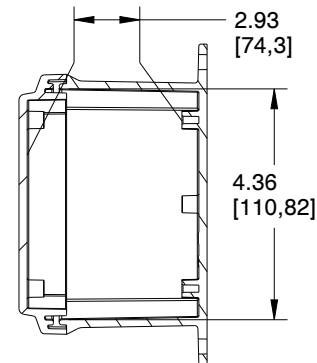
*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #8 thread cutter pan head 18-8 SS (torque limit = 8 in lbs)

## Accessories for 4x4x3 (For complete accessories, see pages 86-89)

**Back Panels**
**ABP44-IMP** - Aluminum panel
**SBP44-IMP** - Steel panel
**PVCBP44-IMP** - PVC panel

**Aluminum Face Plate System**
**AFPK44-IMP** - Aluminum face plate and FPSK-44 mounting kit
**AFP44-IMP** - Aluminum face panel only

**Face Plate Support Kit**
**CB43-IMP** - Support kit contains 4 support panels and 8 screws.

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Face Plate System**
**SFPK44-IMP** - Steel face plate and FPSK-44 mounting kit
**SFP44-IMP** - Steel face panel only

**Hole Plugs**
Liquid tight thru plugs
IP67 andUL rated
See page 78 for more details.
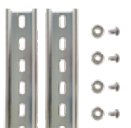
**Din Rail**
**DIN 4-IMP** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-24-IMP** - 2" pole
**PMKG-34-IMP** - 3" pole
**PMKG-44-IMP** - 4" pole
**PMKG-124-IMP** - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

## Features & Benefits

■ **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.

■ **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.

■ **Easy installation** – with molded mounting flanges, so no extra hardware is needed.

■ **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.

■ **Standard color** – light gray with a gloss finish.

■ **UL-50 / c-UL Listed** (file # E207562)

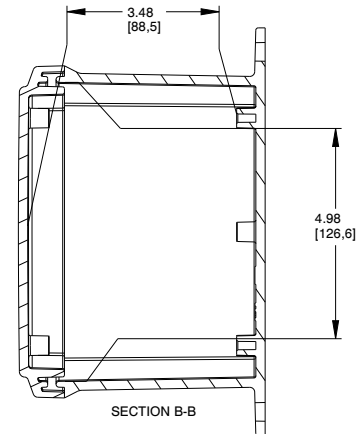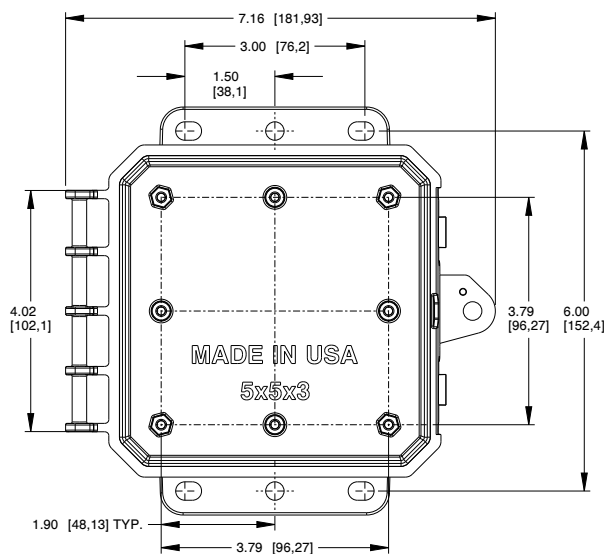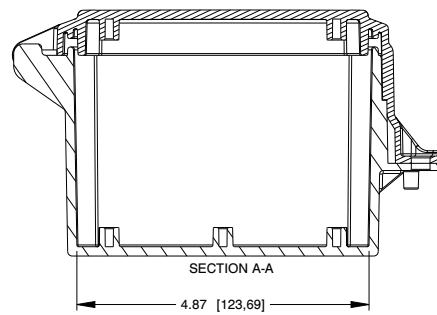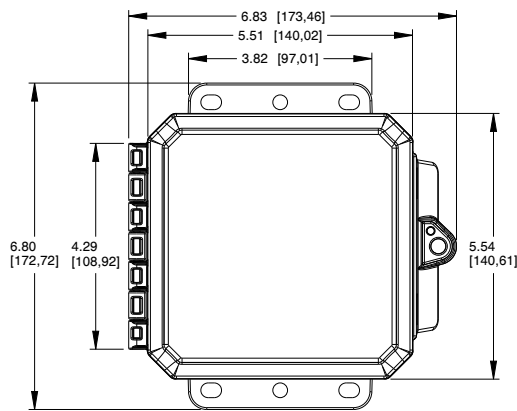| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| ★ P5053 | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| ★ P5053C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| P5053LL | ✓ | | | | | ✓ | ✓ | | ✓ | |
| P5053CLL | ✓ | | | | | ✓ | ✓ | | ✓ | |
| P5053LP | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P5053LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P5053LPLL | ✓ | | | ✓ | ✓ | | ✓ | | ✓ | |
| P5053LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | |
| P5053NL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| P5053CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| P5053LPNL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| P5053LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

SECTION A-A

4.87 [123,69]

SECTION B-B

6.83 [173,46]
5.51 [140,02]
3.82 [97,01]
6.80 [172,72]
4.29 [108,92]
5.54 [140,61]

7.16 [181,93]
3.00 [76,2]
1.50 [38,1]
4.02 [102,1]
MADE IN USA
5x5x3
3.79 [96,27]
6.00 [152,4]
1.90 [48,13] TYP.
3.79 [96,27]

3.48 [88,5]
4.98 [126,6]
4.11 [104,47]

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #8 thread cutter pan head 18-8 SS (torque limit = 8 in lbs)

## Accessories for 5x5x3 (For complete accessories, see pages 86-89)

**Back Panels**
**ABP55-IMP** - Aluminum panel
**SBP55-IMP** - Steel panel
**PVCBP55-IMP** - PVC panel

**Aluminum Face Plate System**
**AFPK55-IMP** - Aluminum face plate and FPSK-55 mounting kit
**AFP55-IMP** - Aluminum face panel only

**Face Plate Support Kit**
**CB53-IMP** - Support kit contains 4 support panels and 8 screws.

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Face Plate System**
**SFPK55-IMP** - Steel face plate and FPSK-55 mounting kit
**SFP55-IMP** - Steel face panel only

**Hole Plugs**
Liquid tight thru plugs
IP67 and UL rated
See page 78 for more details.

**Din Rail**
**DIN 5-IMP** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-25-IMP** - 2" pole
**PMKG-35-IMP** - 3" pole
**PMKG-45-IMP** - 4" pole
**PMKG-125-IMP** - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.

- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.

- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.

- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.

- **Standard color** – light gray with a gloss finish.

- **UL-50 / c-UL Listed** (file # E207562)

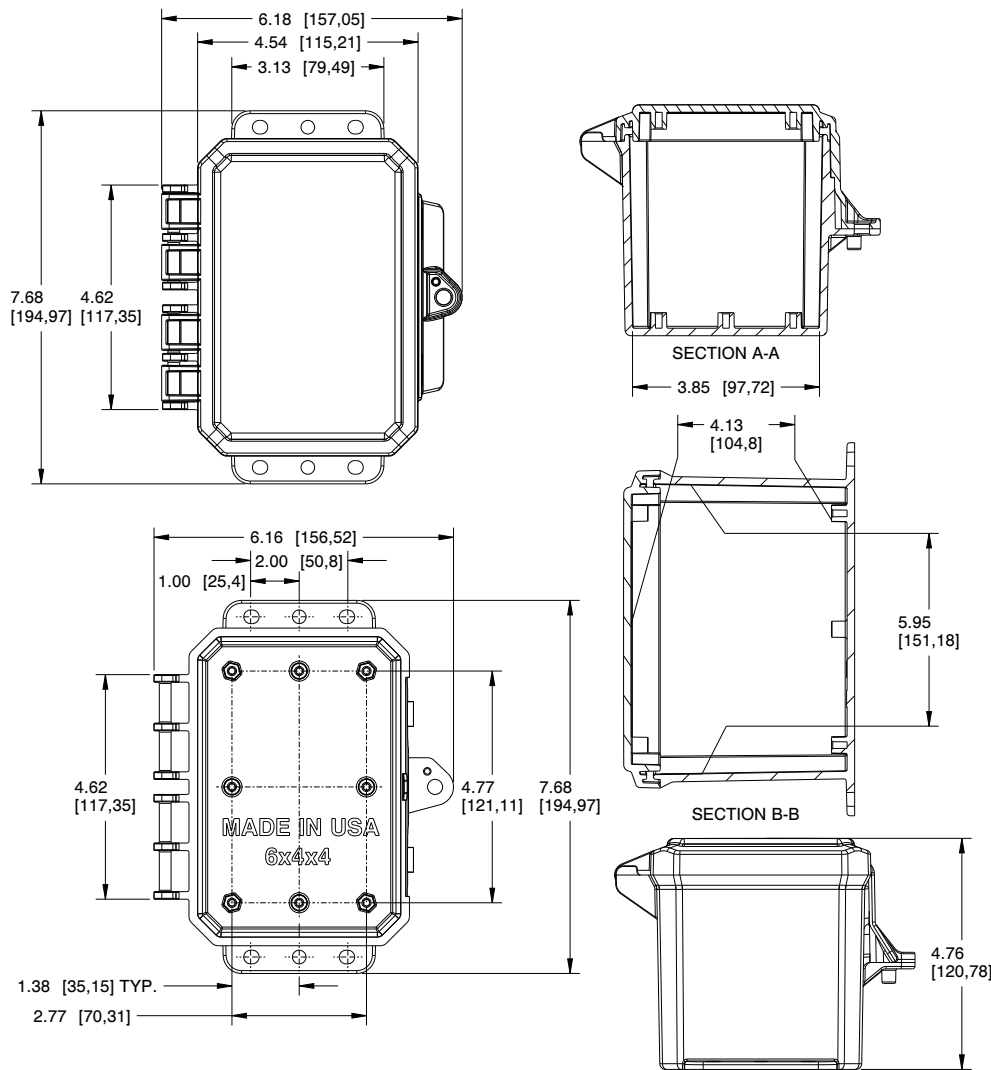| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| ★ P6044 | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| ★ P6044C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| P6044LL | ✓ | | | | | ✓ | ✓ | | ✓ | |
| P6044CLL | ✓ | | | | | ✓ | ✓ | | ✓ | |
| P6044LP | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P6044LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P6044LPLL | ✓ | | | ✓ | ✓ | | ✓ | | ✓ | |
| P6044LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | |
| P6044NL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| P6044CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| P6044LPNL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| P6044LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

## Dimensions

- 6.18 [157,05]
- 4.54 [115,21]
- 3.13 [79,49]
- 7.68 [194,97]
- 4.62 [117,35]

SECTION A-A
- 3.85 [97,72]

- 4.13 [104,8]
- 5.95 [151,18]

SECTION B-B

- 6.16 [156,52]
- 2.00 [50,8]
- 1.00 [25,4]
- 4.62 [117,35]
- 4.77 [121,11]
- 7.68 [194,97]

MADE IN USA
6x4x4

- 1.38 [35,15] TYP.
- 2.77 [70,31]
- 4.76 [120,78]

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #8 thread cutter pan head 18-8 SS (torque limit = 8 in lbs)

## Accessories for 6x4x4 (For complete accessories, see pages 86-89)

**Back Panels**
ABP64-IMP - Aluminum panel
SBP64-IMP - Steel panel
PVCBP64-IMP - PVC panel

**Aluminum Face Plate System**
AFPK64-IMP - Aluminum face plate and FPSK-64 mounting kit
AFP64-IMP - Aluminum face panel only

**Face Plate Support Kit**
CB64-IMP - Support kit contains 4 support panels and 8 screws.

**Air Vents**
VENT 3 - Aluminum louvered
VENT 2 - Outdoor labyrinth

**Steel Face Plate System**
SFPK64-IMP - Steel face plate and FPSK-64 mounting kit
SFP64-IMP - Steel face panel only

**Hole Plugs**
Liquid tight thru plugs
IP67 and UL rated
See page 78 for more details.

**Din Rail**
DIN 6-IMP - 2 rails, 4 screws

**Pole Mounting Kit**
PMKG-26-IMP - 2" pole
PMKG-36-IMP - 3" pole
PMKG-46-IMP - 4" pole
PMKG-126-IMP - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.
- **Advanced face plate system** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, and other components.
- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.
- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (file # E207562)

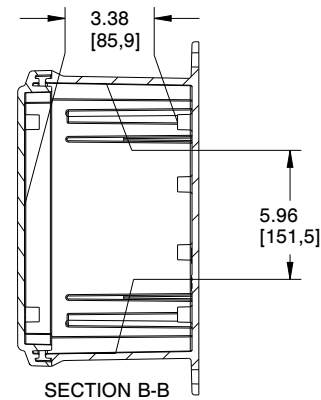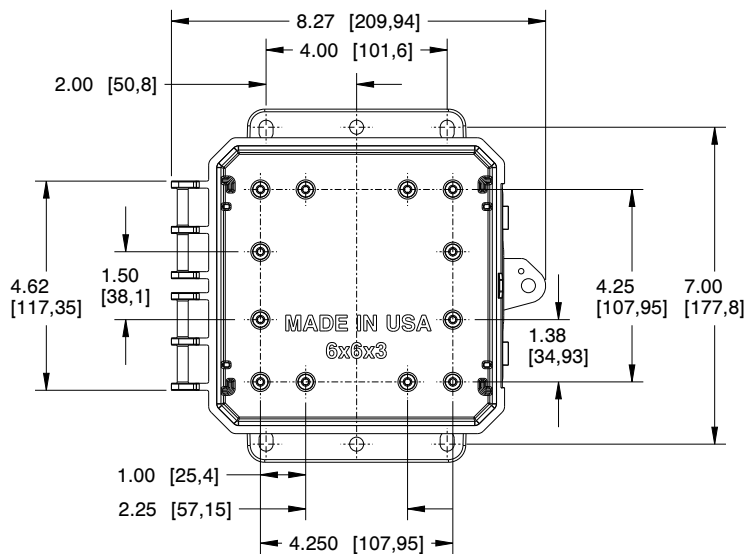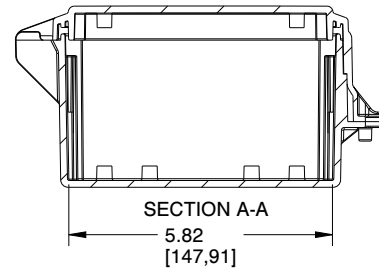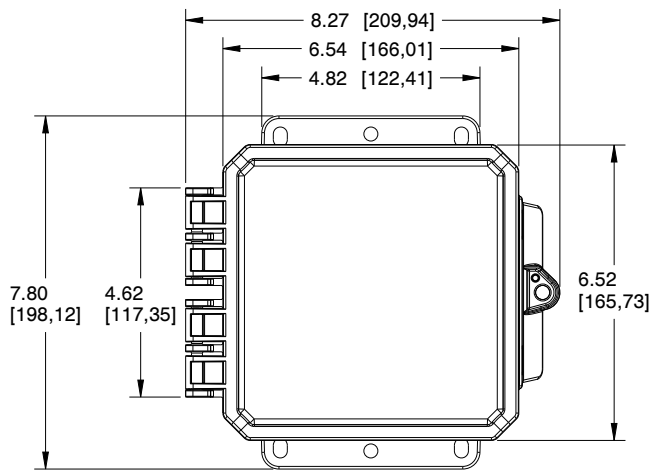| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |



| Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| ★ P6063 | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ P6063C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| P6063LL | ✓ | | | | ✓ | | ✓ | | ✓ | |
| P6063CLL | ✓ | | | | | ✓ | ✓ | | ✓ | |
| P6063LP | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ | | |
| P6063LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P6063LPLL | ✓ | | | ✓ | ✓ | | ✓ | | ✓ | |
| P6063LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | |
| P6063NL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| P6063CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| P6063LPNL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| P6063LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

## Dimensions

8.27 [209,94]
6.54 [166,01]
4.82 [122,41]
7.80 [198,12]
4.62 [117,35]
6.52 [165,73]

SECTION A-A
5.82 [147,91]

3.38 [85,9]
5.96 [151,5]

SECTION B-B

4.01 [101,7

8.27 [209,94]
4.00 [101,6]
2.00 [50,8]
4.62 [117,35]
1.50 [38,1]
MADE IN USA 6x6x3
4.25 [107,95]
7.00 [177,8]
1.38 [34,93]
1.00 [25,4]
2.25 [57,15]
4.250 [107,95]

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #8 thread cutter pan head 18-8 SS (torque limit = 8 in lbs)

## Accessories for 6x6x3 (For complete accessories, see pages 86-89)

**Back Panels**
ABP66-IMP - Aluminum panel
SBP66-IMP - Steel panel
PVCBP66-IMP - PVC panel
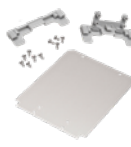
**Aluminum Swing Panel Kits**
ASWPK66-IMP - Aluminum swing panel and SOPK-IMP mounting kit
ASWP66-IMP - Panel only
SOPK66-86-IMP - Rigid brackets, pivot bracket & self-tapping screws

**Aluminum Face Plate System**
AFPK66-IMP - Aluminum face plate and SOPK-IMP mounting kit
AFP66-IMP - Panel only
SOPK66-86-IMP - Rigid brackets, pivot bracket & self-tapping screws

**Air Vents**
VENT 3 - Aluminum louvered
VENT 2 - Outdoor labyrinth

**Steel Swing Panel Kits**
SSWPK66-IMP Steel swing panel and SOPK-IMP mounting kit
SSWP66-IMP - Panel only
SOPK66-86-IMP - Rigid brackets, pivot bracket & self-tapping screws

**Steel Face Plate System**
SFPK66-IMP - Steel face plate and SOPK-IMP mounting kit
SFP66-IMP - Panel only
SOPK66-86-IMP - Rigid brackets, pivot bracket & self-tapping screws

**Din Rail**
DIN 6-IMP - 2 rails, 4 screws

**Pole Mounting Kit**
PMKG-26-IMP - 2" pole
PMKG-36-IMP - 3" pole
PMKG-46-IMP - 4" pole
PMKG-126-IMP - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

# 8X6X3 IMPACT® SERIES

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.
- **Advanced face plate system** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, and other components.
- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.
- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (file # E207562)

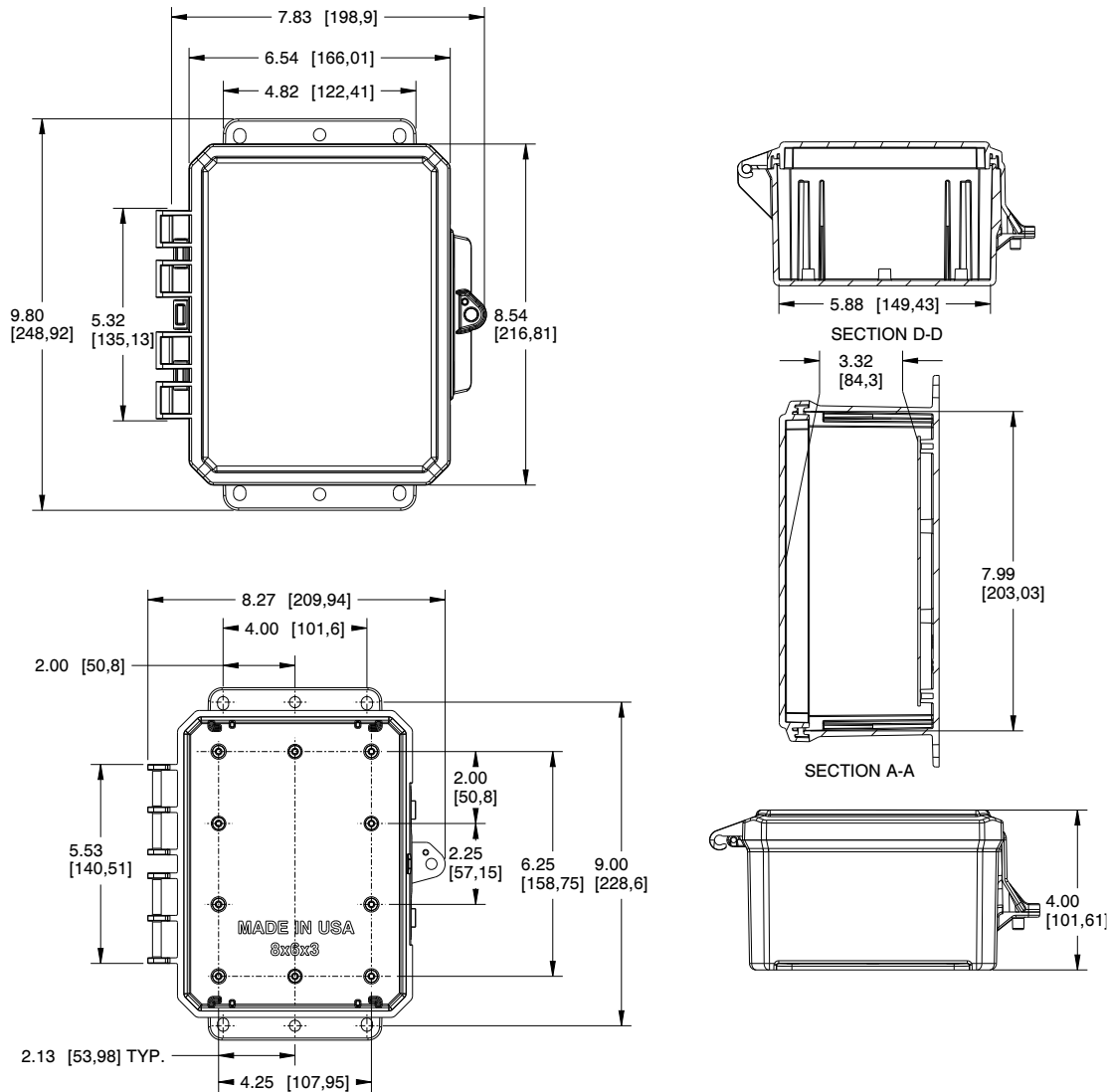| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| | Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ★ | P8063 | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ | P8063C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| | P8063LL | ✓ | | | | ✓ | | ✓ | | | ✓ |
| | P8063CLL | ✓ | | | | | ✓ | ✓ | | | ✓ |
| | P8063LP | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ | | |
| | P8063LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| | P8063LPLL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| | P8063LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |
| | P8063NL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| | P8063CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| | P8063LPNL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| | P8063LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

7.83 [198,9]
6.54 [166,01]
4.82 [122,41]
9.80 [248,92]
5.32 [135,13]
8.54 [216,81]

5.88 [149,43]
SECTION D-D

3.32 [84,3]
7.99 [203,03]
SECTION A-A

8.27 [209,94]
4.00 [101,6]
2.00 [50,8]
5.53 [140,51]
2.00 [50,8]
2.25 [57,15]
6.25 [158,75]
9.00 [228,6]

MADE IN USA
8x6x3

2.13 [53,98] TYP.
4.25 [107,95]

4.00 [101,61]

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #8 thread cutter pan head 18-8 SS (torque limit = 8 in lbs)

## Accessories for 8x6x3 (For complete accessories, see pages 86-89)

**Back Panels**
**ABP86-IMP** - Aluminum panel
**SBP86-IMP** - Steel panel
**PVCBP86-IMP** - PVC panel

**Aluminum Swing Panel Kits**
**ASWPK86-IMP** - Aluminum swing panel and SOPK-IMP mounting kit
**ASWP86-IMP** - Panel only
**SOPK66-86-IMP** - Rigid brackets, pivot bracket & self-tapping screws

**Aluminum Face Plate System**
**AFPK86-IMP** - Aluminum face plate and SOPK-IMP mounting kit
**AFP86-IMP** - Panel only
**SOPK66-86-IMP** - Rigid brackets, pivot bracket & self-tapping screws

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SSWPK86-IMP** Steel swing panel and SOPK-IMP mounting kit
**SSWP86-IMP** - Panel only
**SOPK66-86-IMP** - Rigid brackets, pivot bracket & self-tapping screws

**Steel Face Plate System**
**SFPK86-IMP** - Steel face plate and SOPK-IMP mounting kit
**SFP86-IMP** - Panel only
**SOPK66-86-IMP** - Rigid brackets, pivot bracket & self-tapping screws

**Din Rail**
**DIN 6-IMP** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-26-IMP** - 2" pole
**PMKG-36-IMP** - 3" pole
**PMKG-46-IMP** - 4" pole
**PMKG-126-IMP** - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.
- **Integrated Latch** – Locking latch is molded into the cover, creating a complete, NEMA 6P enclosure with no additional hardware needed.
- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.
- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (file # E207562)

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| | Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ★ | P9082 | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ | P9082C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

SECTION A-A

SECTION B-B
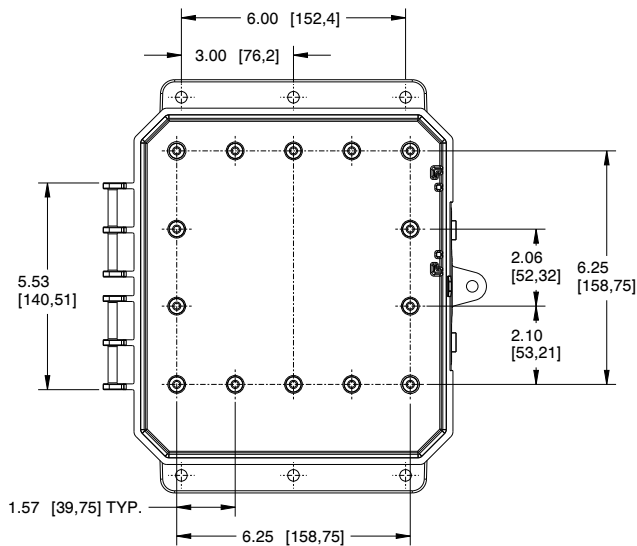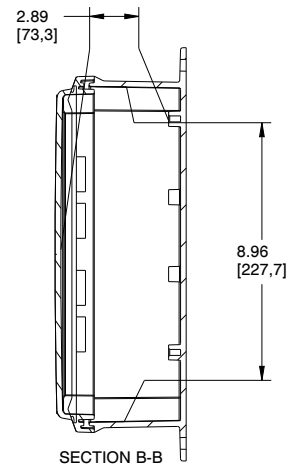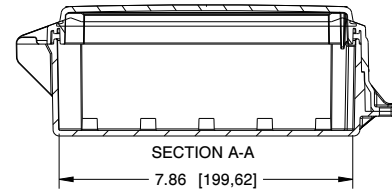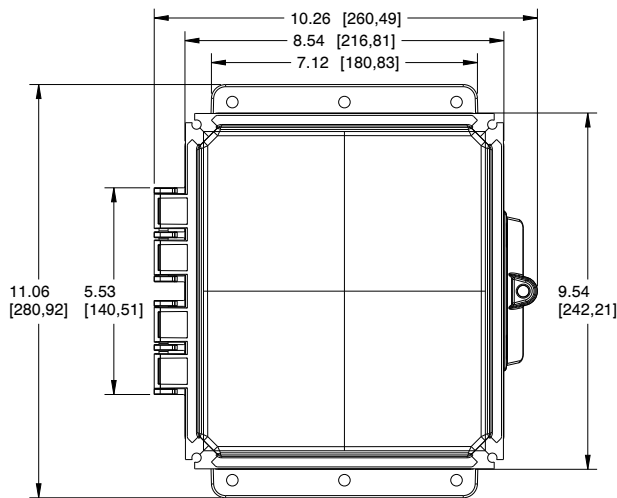
[Bracketed dimensions in mm]

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #10 thread cutter pan head 18-8 SS (torque limit = 10 in lbs)

## Accessories for 9x8x2 (For complete accessories, see pages 86-89)

**Back Panels**
**ABP98-IMP** - Aluminum panel
**SBP98-IMP** - Steel panel
**PVCBP98-IMP** - PVC panel

**Din Rail**
**DIN 8-IMP** - 2 rails, 4 screws

**Mounting Screws**
**SP-10I** - 10 Pieces
self-tapping screws
for bosses

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Pole Mounting Kit**
**PMKG-28-IMP** - 2" pole
**PMKG-38-IMP** - 3" pole
**PMKG-48-IMP** - 4" pole
**PMKG-128-IMP** - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated

See page 78 for more details
and part numbers

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.
- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.
- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (file # E207562)

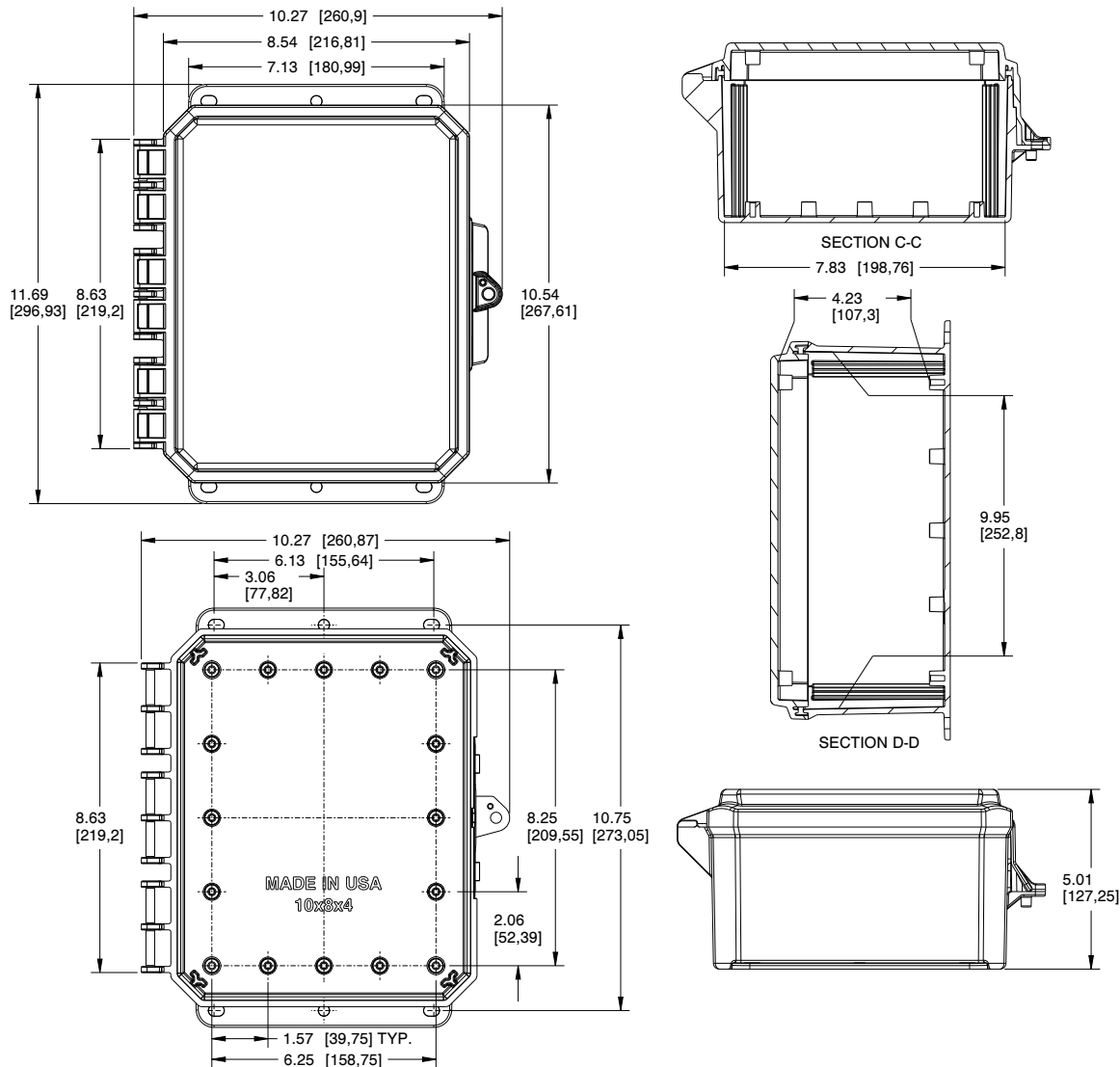| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| | Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ★ | P10084 | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| ★ | P10084C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| | P10084LL | ✓ | | | | ✓ | | ✓ | | ✓ | |
| | P10084CLL | ✓ | | | | | ✓ | ✓ | | ✓ | |
| | P10084LP | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ | | |
| | P10084LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| | P10084LPLL | ✓ | | | ✓ | ✓ | | ✓ | | ✓ | |
| | P10084LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | |
| | P10084NL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| | P10084CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| | P10084LPNL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| | P10084LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

Dimensions shown:

10.27 [260,9]
8.54 [216,81]
7.13 [180,99]
11.69 [296,93]
8.63 [219,2]
10.54 [267,61]

SECTION C-C
7.83 [198,76]

4.23 [107,3]
9.95 [252,8]

SECTION D-D

10.27 [260,87]
6.13 [155,64]
3.06 [77,82]
8.63 [219,2]
8.25 [209,55]
10.75 [273,05]
MADE IN USA
10x8x4
2.06 [52,39]
1.57 [39,75] TYP.
6.25 [158,75]

5.01 [127,25]

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #10 thread cutter pan head 18-8 SS (torque limit = 10 in lbs)

## Accessories for 10x8x4 (For complete accessories, see pages 86-89)

**Back Panels**
**ABP108-IMP** - Aluminum panel
**SBP108-IMP** - Steel panel
**PVCBP108-IMP** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-108-USOPK** - Complete kit
**ABP-108USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-108-USOPK** - Complete kit
**SBP-108USP** - Panel only
**USOPK** - Hardware only

**Mounting Screws**
**SP-10I** - 10 Pieces self-tapping screws for bosses

**Din Rail**
**DIN 8-IMP** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-28-IMP** - 2" pole
**PMKG-38-IMP** - 3" pole
**PMKG-48-IMP** - 4" pole
**PMKG-128-IMP** - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

# 10X8X6 IMPACT® SERIES

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.
- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.
- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (file # E207562)

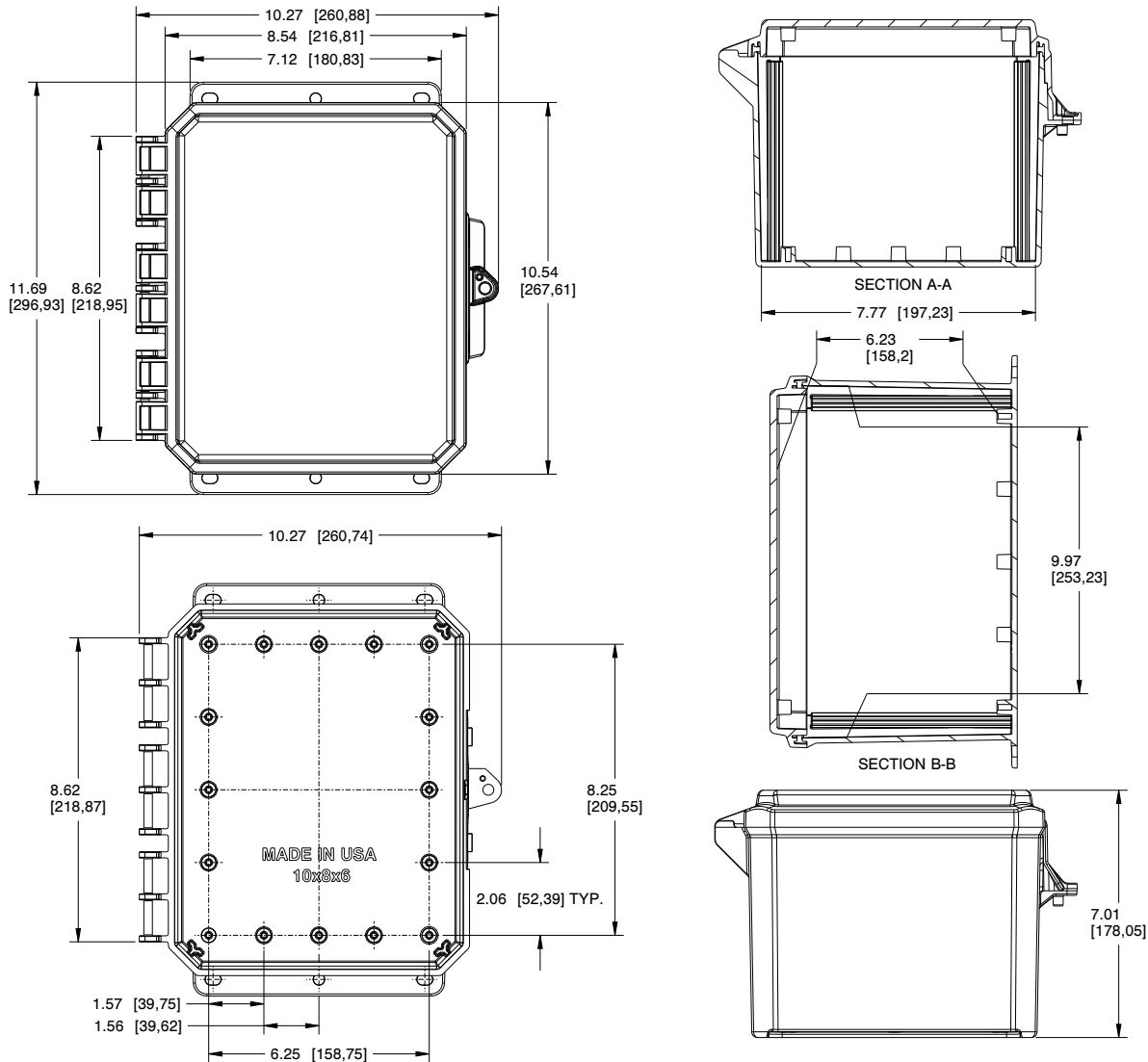| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| ★ P10086 | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| ★ P10086C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| P10086LL | ✓ | | | | | ✓ | ✓ | | | ✓ |
| P10086CLL | ✓ | | | | | ✓ | ✓ | | | ✓ |
| P10086LP | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P10086LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P10086LPLL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |
| P10086LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |
| P10086NL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| P10086CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| P10086LPNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |
| P10086LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

10.27 [260,88]
8.54 [216,81]
7.12 [180,83]

11.69 [296,93]
8.62 [218,95]
10.54 [267,61]

SECTION A-A

7.77 [197,23]

6.23 [158,2]

9.97 [253,23]

10.27 [260,74]

8.62 [218,87]
8.25 [209,55]

MADE IN USA
10x8x6

2.06 [52,39] TYP.

SECTION B-B

7.01 [178,05]

1.57 [39,75]
1.56 [39,62]
6.25 [158,75]

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #10 thread cutter pan head 18-8 SS (torque limit = 10 in lbs)

## Accessories for 10x8x6 (For complete accessories, see pages 86-89)

**Back Panels**
**ABP108-IMP** - Aluminum panel
**SBP108-IMP** - Steel panel
**PVCBP108-IMP** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-108-USOPK** - Complete kit
**ABP-108USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-108-USOPK** - Complete kit
**SBP-108USP** - Panel only
**USOPK** - Hardware only

**Mounting Screws**
**SP-10I** - 10 Pieces self-tapping screws for bosses

**Din Rail**
**DIN 8-IMP** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-28-IMP** - 2" pole
**PMKG-38-IMP** - 3" pole
**PMKG-48-IMP** - 4" pole
**PMKG-128-IMP** - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Frequency friendly** – 100% metal free configurations available which is extremely favorable for sending and receiving wireless signals.
- **Easy installation** – with molded mounting flanges, so no extra hardware is needed.
- **Flexible interior mounting** – bosses on rear wall and lid of opaque enclosure provide multiple mounting options for DIN rail, back panels, or other components.
- **Standard color** – light gray with a gloss finish.
- **UL-50 / c-UL Listed** (file # E207562)

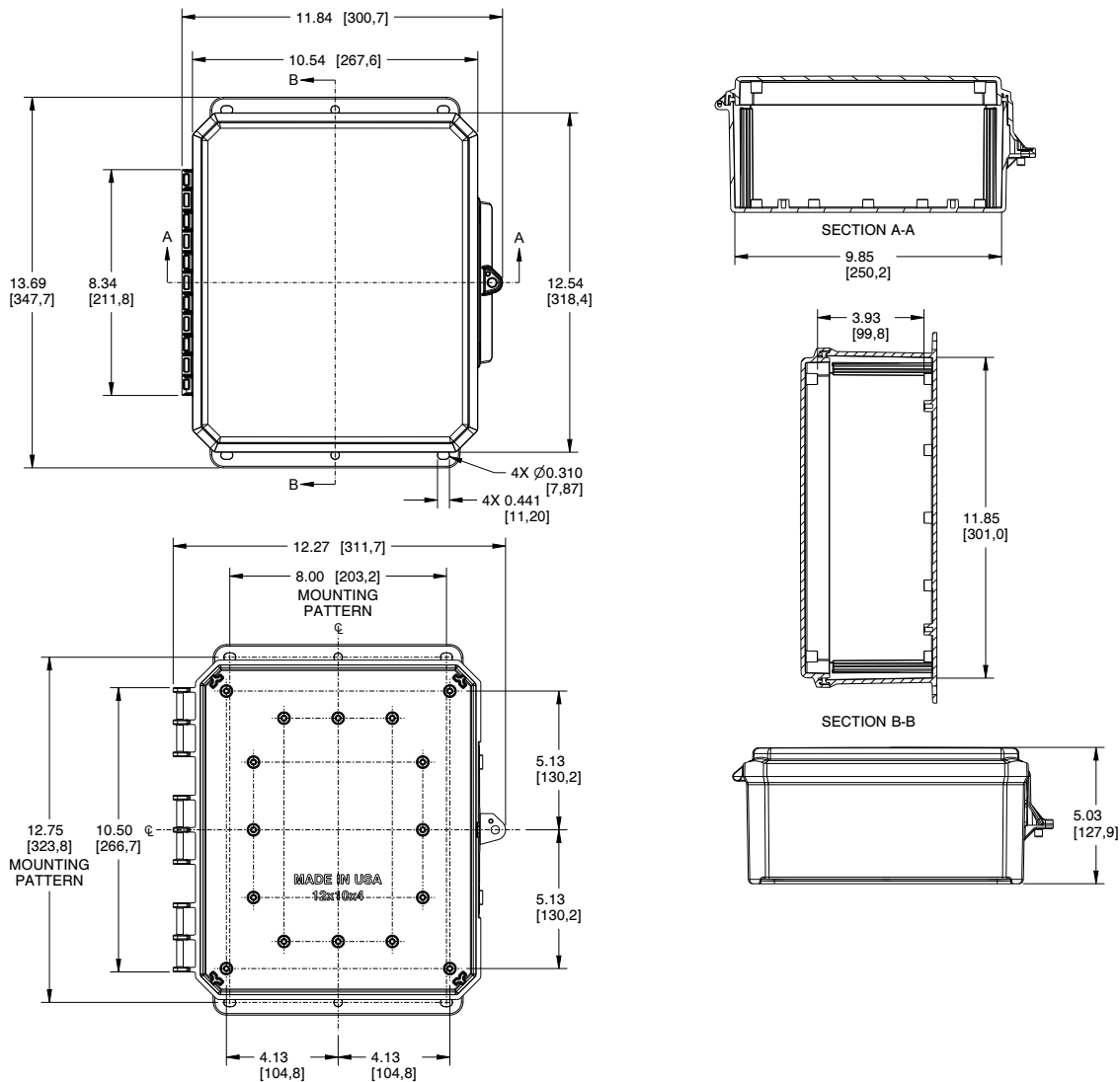| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

## OUR LATEST IMPACT ENCLOSURE COMING SOON!
## CONTACT FACTORY FOR DETAILS
### (BELOW PART NUMBERS FOR REFERENCE ONLY)

| Part Number | 4X IP66 | 6P IP68 | Standard Hinge | Low Profile Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Integrated Locking Latch | Stainless Steel Locking Latch | Non-Metallic Locking Latch |
|---|---|---|---|---|---|---|---|---|---|---|
| P12104 | ✓ | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| P12104C | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | | |
| P12104LL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| P12104CLL | ✓ | | | | | ✓ | ✓ | | | ✓ |
| P12104LP | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ | | |
| P12104LPC | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | | |
| P12104LPLL | ✓ | | | ✓ | ✓ | | ✓ | | ✓ | |
| P12104LPCLL | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | |
| P12104NL | ✓ | | ✓ | | ✓ | | ✓ | | | ✓ |
| P12104CNL | ✓ | | ✓ | | | ✓ | ✓ | | | ✓ |
| P12104LPNL | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ |
| P12104LPCNL | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ |

11.84 [300,7]
10.54 [267,6]
B
A
A
13.69 [347,7]  8.34 [211,8]  12.54 [318,4]
B
4X Ø0.310 [7,87]
4X 0.441 [11,20]

12.27 [311,7]
8.00 [203,2] MOUNTING PATTERN
5.13 [130,2]
12.75 [323,8] MOUNTING PATTERN  10.50 ℄ [266,7]
MADE IN USA
12x10x4
5.13 [130,2]
4.13 [104,8]  4.13 [104,8]

SECTION A-A
9.85 [250,2]

3.93 [99,8]
11.85 [301,0]

SECTION B-B
5.03 [127,9]

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files at www.integraenclosures.com*

**TORQUE SPECIFICATIONS:**
**Panels** - #10 thread cutter pan head 18-8 SS (torque limit = 10 in lbs)

## Accessories for 12x10x4 (For complete accessories, see pages 86-89)

**Back Panels**
**ABP1210-IMP** - Aluminum panel
**SBP1210-IMP** - Steel panel
**PVCBP1210-IMP** - PVC panel

**Aluminum Swing Panel Kits**
**ABP-1210-USOPK** - Complete kit
**ABP-1210USP** - Panel only
**USOPK** - Hardware only

**Back Panel Adjustment Kit**
**BPAKG** - Gray, Set Screw
**BPAKB** - Black, Set Screw
**UBPAKG** - Gray, Thumb Screw
**UBPAKB** - Black Thumb Screw

**Air Vents**
**VENT 3** - Aluminum louvered
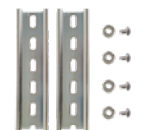**VENT 2** - Outdoor labyrinth

**Steel Swing Panel Kits**
**SBP-1210-USOPK** - Complete kit
**SBP-1210USP** - Panel only
**USOPK** - Hardware only

**Mounting Screws**
**SP-10I** - 10 Pieces self-tapping screws for bosses

**Din Rail**
**DIN 10-IMP** - 2 rails, 4 screws

**Pole Mounting Kit**
**PMKG-210-IMP** - 2" pole
**PMKG-310-IMP** - 3" pole
**PMKG-410-IMP** - 4" pole
**PMKG-1210-IMP** - 12" pole

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details.

# GENESIS SERIES OVERVIEW

■ **900 in-lbs Impact Resistance**
Polycarbonate is known for its high impact resistance, making it an ideal choice for outdoor enclosures.

■ **Wide Operating Temperature Range**
Polycarbonate is stable and holds its tensile strength better than other non-metallic materials over a temperature range from -40 deg F to 265 deg F.

■ **Multi-Max Rail System®**
The MULTIple configurations for MAXimum options rail system provide unlimited mounting potential for your application. These rails mount vertically by attaching to the rear wall of the enclosure and to the Multi-Max frame. They can be used all around the interior of the enclosure to create three-dimensional use of all of the space inside the enclosure.

■ **Multi-Max Frame**
This piece secures just inside the lip of the base with four Multi-Max Rails® and combines with other molded features to provide un-matched rigidity to the Genesis enclosures.

■ **Rigid Full Piano Hinge Swing Panel**
The Genesis swing panel has an aluminum piano style hinge to support the weight of the typical larger enclosure applications. The swing panel attaches to the Multi-Max Rails® and provides rigid, smooth operation.

■ **Panel Pads**
Panel pads affix to the vertical Multi-Max Rails® and provide the ability for an aluminum, steel or PVC mounting panel to be set at varying heights inside the enclosure. These pads provide the ability to have multiple mounting panels at different heights. Whether it's a competitive situation or a space restriction, more mounting surfaces can save space and money.

■ **Multiple Latching Options**
• Three-point latch
• Quarter turn latch
• Non-metallic latch

■ **Modifications**
Full modifications services are available at Integra, including machining holes for displays, cable connectors, multi pin connectors, antennae, etc. Call us to discuss your unique requirements.

■ **Customization**
Custom colors, custom back panels, silk screening, sub assembly of your product, or any other tailoring of our product to your need is our job. (Minimums may apply)

■ **Packaging**
Standard packaging is one unit per carton, packed to ensure safe delivery to your location. If you have any special requirements for shipping, call us and we can work to meet your requirements.

EXTRA
MOUNTING
BOSSES

CONTINUOUS
PIANO HINGE

TAGGABLE/
LOCKABLE
LATCH

MULTIMAX
STIFFENER
FRAME

MULTIMAX
SIDE RAILS

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Full hinge** – sturdy, full length piano hinged door
- **Multi-Max Rail Mounting System®** – maximize your enclosure space with full three-dimensional mounting capabilities.
- **Rigid construction** – unique, internal Multi-Max frame provides additional strength.
- **Extra mounting bosses** – brass inserts on rear wall of enclosure and on lid for more mounting options.
- **Integrated flange** – mounting flanges moulded into base, eliminating the need for extra hardware.
- **Multiple latch options** – non-metallic, quarter turn or three-point latch configurations
- **UL / c-UL-50 listed** (File # E207562)

Multi-Max Rails & Stiffener Frame
*Not included with E part numbers*

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

| Part Number | 4X IP66 | 6P IP68 | Piano Hinge | Opaque Cover | Clear Cover | Integrated Mounting Flange | Non-Metallic Locking Latch | 3-Point Latch | 1/4 Turn Latch | Multi-Max Rail System |
|---|---|---|---|---|---|---|---|---|---|---|
| ★ G201608 | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | ✓ |
| ★ G201608C | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | ✓ |
| G201608TPL | ✓ | | ✓ | ✓ | | ✓ | | ✓ | | ✓ |
| G201608CTPL | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | ✓ |
| G201608QTL | ✓ | | ✓ | ✓ | | ✓ | | | ✓ | ✓ |
| G201608CQTL | ✓ | | ✓ | | ✓ | ✓ | | | ✓ | ✓ |
| G201608E | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| G201608CE | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*. Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

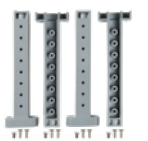SECTION L-L

SECTION B-B
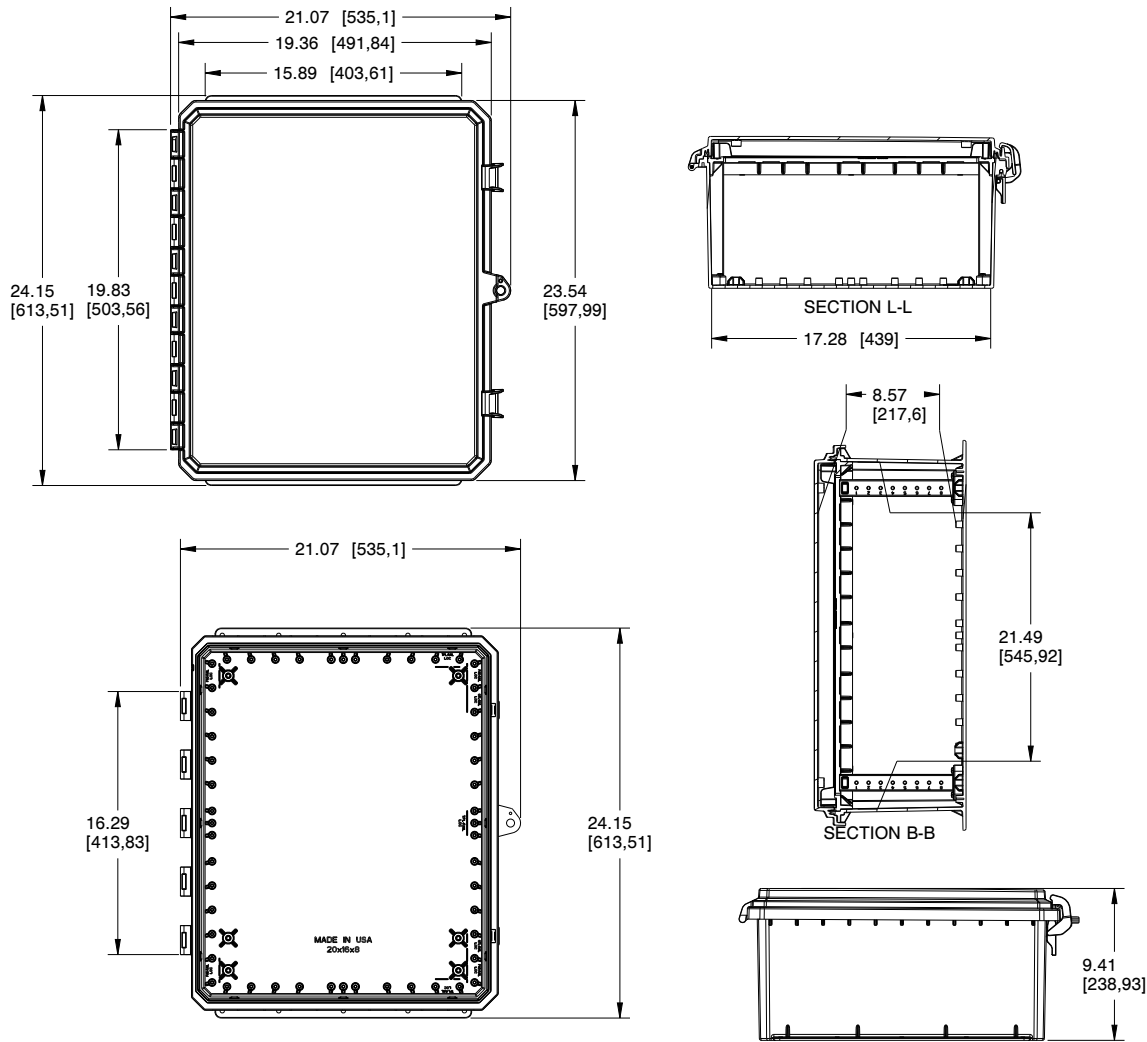
*[Bracketed dimensions in mm]*
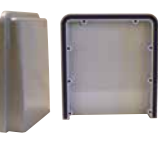
**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" pan head 18-8 SS (torque limit = 32 in lbs)
**Panels** - 1/4"-20 x 0.5" pan head 18-8 SS (torque limit = 32 in lbs)

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 20x16x8 (For complete accessories, see pages 90-91)

**Back Panels**
**ABP-2016** - Aluminum panel
**SBP-2016** - Steel panel
**PVCBP-2016** - PVC panel

**Panel Pads**
**KIT-GPP-2016 -** Four panel pads and screws

**Self-Tapping Screws**
**GSP-10** - Self-tapping screws for bosses (10 per pack)

**Fan Shroud Kits**
**FS-KIT-1** - One shroud with gasket and screws
**FS-KIT-2** - Two shrouds with gasket and screws

**Swing Panel Kits**
**ABP2016-GSOPK -** Aluminum panel kit
**SBP2016-GSOPK -** Steel panel kit
**GSOPK20** - 20" hinge, panel pads & screws

**Multi-Max Rails®**
**KIT-GMMR8** - Four Multi-Max Rails® with screws included

**Door Stop Kit**
**KIT-DOOR-STOP** - Door Stop Kit for Genesis Enclosures

**Pole Mounting Kits**
**PMKG-216-GEN** - 2" pole
**PMKG-316-GEN** - 3" pole
**PMKG-416-GEN** - 4" pole
**PMKG-1216-GEN** - 12" pole

**Multi-Max Frame**
**GSR2016** - Multi-Max frame stiffener

## Features & Benefits

- **Quality material** – bases, opaque covers and clear covers are all made of high-impact, UV resistant polycarbonate.
- **Full hinge** – sturdy, full length piano hinged door
- **Multi-Max Rail Mounting System®** – maximize your enclosure space with full three-dimensional mounting capabilities.
- **Rigid construction** – unique, internal Multi-Max frame provides additional strength.
- **Extra mounting bosses** – brass inserts on rear wall of enclosure and on lid for more mounting options.
- **Multiple latch options** – non-metallic, quarter turn or three-point latch configurations.
- **UL / c-UL-50 listed** (File # E207562)

| Mechanical & Thermal | Test Spec. | Unit | Rating |
|---|---|---|---|
| Instrumented Dart Impact @ 73° F | - | in-lbs | 565 |
| Falling Ball Impact @ 73° F | UL-746 | in-lbs | 900 |
| Deflection Temperature @ 264 psi | ASTM D648 | Deg. F | 270 |
| Modulus of Elasticity | ASTM D790 | ksi | 340 |
| Temperature Range | - | Deg. F | -40 to 265 |
| Flame Rating - UL | UL 94 | - | 5VA |
| Outdoor UV Exposure | UL | - | F1 |

Multi-Max Rails, Stiffener Frame & Mounting Flanges
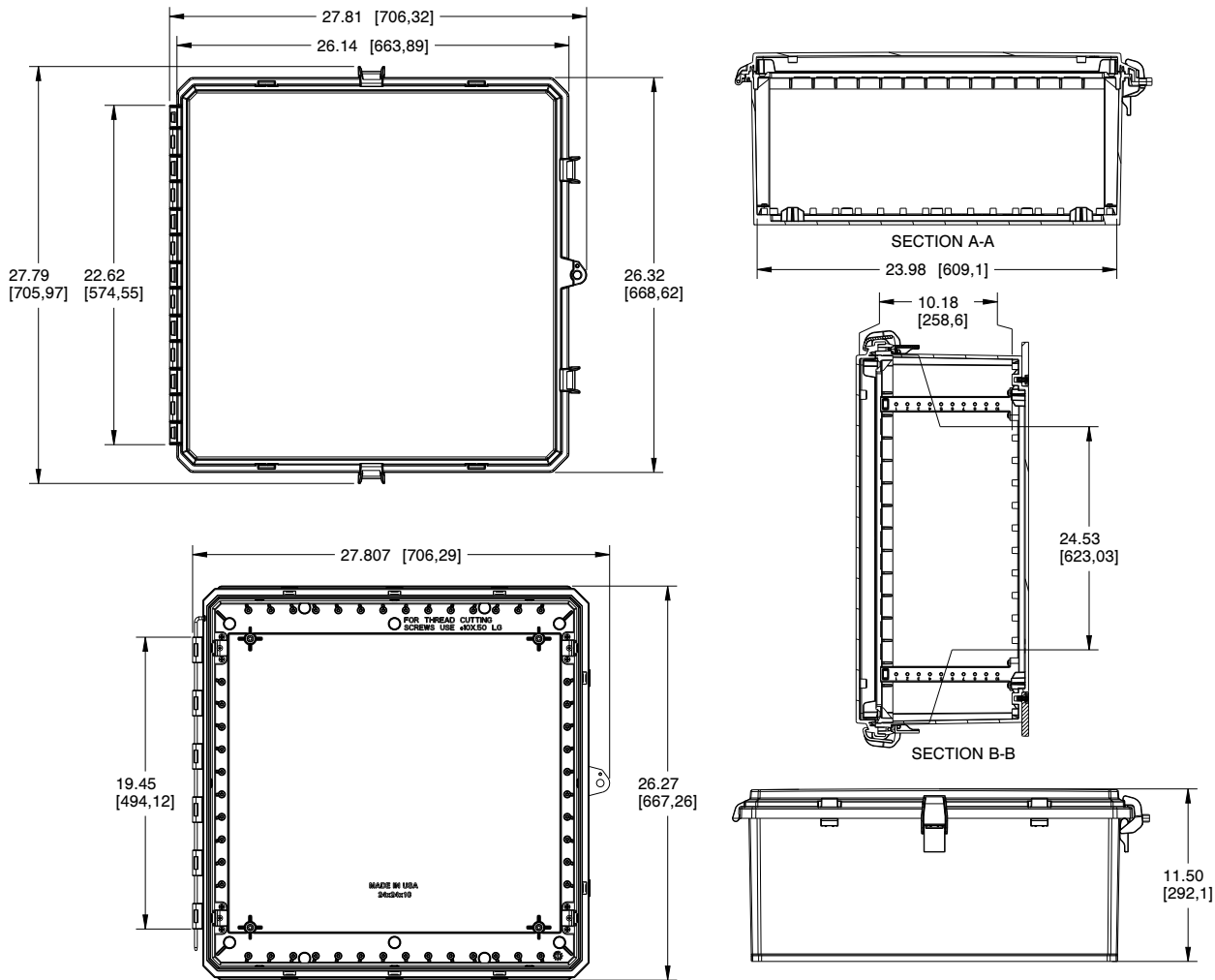*Multi-Max system not included with E part numbers*

| Part Number | 4X IP66 | 6P IP68 | Piano Hinge | Opaque Cover | Clear Cover | Mounting Flange | Non-Metallic Locking Latch | 3-Point Latch | 1/4 Turn Latch | Multi-Max Rail System |
|---|---|---|---|---|---|---|---|---|---|---|
| ★ G242410 | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | ✓ |
| ★ G242410C | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | ✓ |
| G242410TPL | ✓ | | ✓ | ✓ | | ✓ | | ✓ | | ✓ |
| G242410CTPL | ✓ | | ✓ | | ✓ | ✓ | | ✓ | | ✓ |
| G242410QTL | ✓ | | ✓ | ✓ | | ✓ | | | ✓ | ✓ |
| G242410CQTL | ✓ | | ✓ | | ✓ | ✓ | | | ✓ | ✓ |
| G242410E | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| G242410CE | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | |

★ **POPULAR CONFIGURATIONS:** Most popular configurations are available for *QuickShip*.
Please send requests to customerservice@integraenclosures.com to take advantage of our *QuickShip* option.

27.81 [706,32]
26.14 [663,89]
27.79 [705,97]
22.62 [574,55]
26.32 [668,62]

SECTION A-A
23.98 [609,1]

10.18 [258,6]

24.53 [623,03]

SECTION B-B

27.807 [706,29]

FOR THREAD CUTTING SCREWS USE ø10X.50 LG

19.45 [494,12]

26.27 [667,26]

MADE IN USA
24x24x10

11.50 [292,1]

*[Bracketed dimensions in mm]*

**TORQUE SPECIFICATIONS:**
**Mounting Feet** - 1/4"-20 x 0.5" pan head 18-8 SS (torque limit = 32 in lbs)
**Panels** - 1/4"-20 x 0.5" pan head 18-8 SS (torque limit = 32 in lbs)

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for 24x24x10 (For complete accessories, see pages 90-91)

**Back Panels**
**ABP-2424** - Aluminum panel
**SBP-2424**- Steel panel
**PVCBP-2424** - PVC panel

**Panel Pads**
**KIT-GPP-2424 -** Four panel pads and screws

**Self-Tapping Screws**
**GSP-10** - Self-tapping screws for bosses (10 per pack)

**Fan Shroud Kits**
**FS-KIT-1** - One shroud with gasket and screws
**FS-KIT-2** - Two shrouds with gasket and screws

**Swing Panel Kits**
**ABP2424-GSOPK -** Aluminum panel kit
**SBP2424-GSOPK -** Steel panel kit
**GSOPK24** - 24" hinge, panel pads and screws

**Multi-Max Rails®**
**KIT-GMMR10** - Four Multi-Max Rails® with screws included

**Door Stop Kit**
**KIT-DOOR-STOP** - Door Stop Kit for Genesis Enclosures

**Pole Mounting Kits**
**PMKG-224** - 2" pole
**PMKG-324** - 3" pole
**PMKG-424** - 4" pole
**PMKG-1224** - 12" pole

**Multi-Max Frame**
**GSR2424** - Multi-Max frame stiffener

# STRONGBOX SERIES



# STRONGBOX SERIES OVERVIEW

■ **Standard and Custom Options**
Integra offers both off-the-shelf and completely custom stainless steel enclosures so you can get exactly what you need with industry best lead times.

■ **World Class Quality**
When you order an Integra Strongbox Series enclosure, you will receive the highest quality enclosure on the market. These 100% stainless steel enclosures have a smooth brush finish for a beautiful, clean look. Enclosure seams are continuously welded and ground smooth to ensure there are no sharp edges.

■ **Modifications**
Full modification services are available at Integra to ensure your enclosure has the required dimensions, accessories and holes you need. Our modification capabilities include but are not limited to: custom sizing, custom machining, custom back panels, multiple mounting options, latching options and hinging options.  Call us to discuss your unique requirements.

■ **Custom Hinge Options**
• Removable 316 Stainless Steel Pin Hinge (Pinge™)
• Continuous (Piano) Hinge
• Lift-Off Hinge

■ **Custom Mounting Options**
• Rivet Nuts
• Through Holes
• Welded or Removable Flange
• Welded or Removable Tabs
• Multiple Sizes of Legs (Floor Stands)

■ **Custom Latch Options**
• Quarter Turn Latch
• Integra Stainless Locking Latch
• 3-Point Latch (Pad Lockable)

■ **Ultra-tight Seal**
Flange collar around all sides of door opening provides a minimum 0.34" sealing face with the polyurethane Foam-In-Place gasket.

■ **NEMA 4X protection**
Our stainless steel enclosures are designed to protect any indoor or outdoor application against corrosion, chemicals and wet conditions. They are constructed with UV protected and Impact resistant material to ensure protection in any environment, UL508A NEMA 4X rated.

**FOAM-IN-PLACE URETHANE GASKET**

**FLANGE COLLAR AROUND OPENING**

**SEAMS CONTINUOUSLY WELDED & GROUND SMOOTH**

**GROUNDING STUD ON DOOR & BODY**

**PANEL STANDOFFS**

**CUSTOMIZATION AVAILABLE**

## Features & Benefits

- **Quality material** – 304 stainless steel with NEMA 4X corrosion protection and #4 brush finish
- **Water-tight seal** – flange collar provides drainage channel around all sides of enclosure and a wide sealing face for water-resistant FIP gasket
- **Panel standoffs** – installed for easy mounting of subpanels (panels sold separately)
- **Available for QuickShip** – standard enclosures are in stock and ready to ship!
- **Wall Mountable** - includes bolt-on tabs and riv-nuts
- **Quarter-Turn Latch** and Removable Pin Hinge (Pinge™) come on all standard enclosures
- **Wide range of sizes** for every application
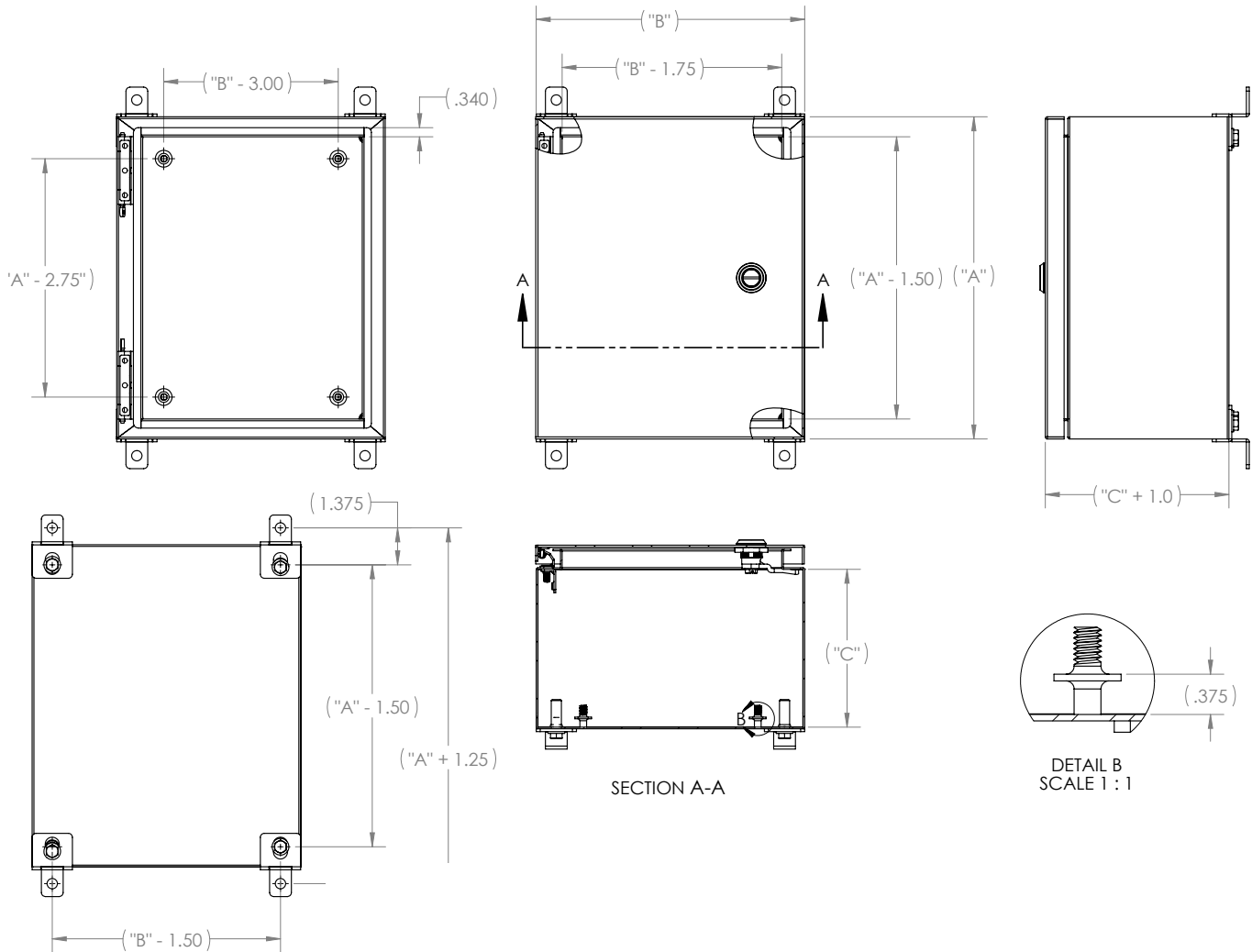- **UL508A listed** and **NEMA 4X rated**

| Mechanical & Thermal | Unit | Rating |
|---|---|---|
| Temperature Range | Deg. F | -40 to 140 |
| **Industry Standards** | | |
| UL/C-UL | | 508A |
| NEMA Rating | | 1 ,2, 3, 3R, 4, 4X |

| Part Number | Height | Width | Depth | Material Thickness Cover / Base | Weight (lbs.) | 4X IP66 | Subpanel Part # (optional) | Subpanel Dimensions |
|---|---|---|---|---|---|---|---|---|
| W100804-4PQ-BT | 10" | 8" | 4" | 16 GAUGE / 16 GAUGE | 6.0 | ✓ | PNLB1008GVN | 8 X 6 |
| W100806-4PQ-BT | 10" | 8" | 6" | 16 GAUGE / 16 GAUGE | 7.2 | ✓ | PNLB1008GVN | 8 X 6 |
| W121004-4PQ-BT | 12" | 10" | 4" | 16 GAUGE / 16 GAUGE | 8.1 | ✓ | PNLB1210GVN | 10 X 8 |
| W121006-4PQ-BT | 12" | 10" | 6" | 16 GAUGE / 16 GAUGE | 9.6 | ✓ | PNLB1210GVN | 10 X 8 |
| W141206-4PQ-BT | 14" | 12" | 6" | 16 GAUGE / 16 GAUGE | 12.3 | ✓ | PNLB1412GVN | 12 X 10 |
| W201608-4PQ-BT | 20" | 16" | 8" | 14 GAUGE / 16 GAUGE | 22.6 | ✓ | PNLB2016GVN | 18 X 14 |
| W202008-4PQ-BT | 20" | 20" | 8" | 14 GAUGE / 16 GAUGE | 26.6 | ✓ | PNLB2020GVN | 18 X 18 |
| W202010-4PQ-BT | 20" | 20" | 10" | 14 GAUGE / 16 GAUGE | 36.8 | ✓ | PNLB2020GVN | 18 X 18 |
| W242008-4PQ-BT | 24" | 20" | 8" | 14 GAUGE / 16 GAUGE | 30.7 | ✓ | PNLB2420GVN | 22 X 18 |
| W242010-4PQ-BT | 24" | 20" | 10" | 14 GAUGE / 16 GAUGE | 42.2 | ✓ | PNLB2420GVN | 22 X 18 |
| W242408-4PQ-BT | 24" | 24" | 8" | 14 GAUGE / 16 GAUGE | 35.3 | ✓ | PNLB2424GVN | 22 X 22 |
| W242410-4PQ-BT | 24" | 24" | 10" | 14 GAUGE / 16 GAUGE | 48.4 | ✓ | PNLB2424GVN | 22 X 22 |
| W302410-4PQ-BT | 30" | 24" | 10" | 14 GAUGE / 14 GAUGE | 57.6 | ✓ | PNLB3024GVN | 28 X 22 |
| W302412-4PQ-BT | 30" | 24" | 12" | 14 GAUGE / 14 GAUGE | 62.3 | ✓ | PNLB3024GVN | 28 X 22 |
| W363012-4PQ-BT | 36" | 30" | 12" | 14 GAUGE / 14 GAUGE | 84.9 | ✓ | PNLB3630GVN | 34 X 28 |

( "B" - 3.00 )
( .340 )
'A" - 2.75" )

( "B" )
( "B" - 1.75 )

A — A
( "A" - 1.50 ) ( "A" )

( "C" + 1.0 )

( 1.375 )
( "A" - 1.50 )
( "A" + 1.25 )
( "B" - 1.50 )

( "C" )

SECTION A-A

( .375 )

DETAIL B
SCALE 1 : 1

**TORQUE SPECIFICATIONS:**
**Bolt On Tabs** -  1/4"-20 x 0.5" hex bolt (torque limit = 25 in lbs)
**Panels** - 1/4"-20 x 0.5" collar stud (torque limit = 25 in lbs)

*[Bracketed dimensions in mm]*

*Register online to download detailed drawing files*
*at www.integraenclosures.com*

## Accessories for Strongbox Standard (For complete accessories, see page 92)

**Steel Back Panels**
Galvannealed Steel
Back Panels.
See chart on page 65 for
part numbers.

**Bolt-On Tabs**
**NEMA-MTKIT -** Two
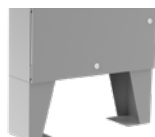stainless steel mounting
tabs with screws.

**Literature Tray**
**9220236-LT -** Large Integra
Literature Tray
**9920237-LT** - Small Integra
Literature Tray

**Quarter-Turn Latch Assembly**
**QTL-SLOT-177**
**QTL-SLOT-256**

**Legs/ Floor Stands**
Multiple sizes available.
Contact factory for details.

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details
and part numbers

## Features & Benefits

- **Built to spec** – 100% custom enclosures built to order. Work with our engineering dept. to get exactly what you need

- **Precise machining** – laser cut holes for connectors and accessories or window kits for easy viewing.

- **Wide range of sizes**, configurations and accessories provides capabilities for every application.

- **Powder coating available**. Choose from range of RAL color codes.

- **UL508A listed** and **NEMA 4X rated**

| Mechanical & Thermal | Unit | Rating |
|---|---|---|
| Temperature Range | Deg. F | -40 to 140 |
| **Industry Standards** | | |
| UL/C-UL | | 508A |
| NEMA Rating | | 1 ,2, 3, 3R, 4, 4X |

## WAYS TO CUSTOMIZE

### Start with Quality Materials
We can build with 304 or 316 Stainless Steel or Marine Grade Aluminum.

### Choose your Dimensions
We can accommodate various HxWxD requests up to 90 inches. Submit design requirements to engineering.
These configurations may not provide a UL rating and are subject to engineering approval.

### Latch Options
Quarter-Turn Latch
Integra Locking Latch
3-Point Latch (Pad Lockable)

### Hinge Options
Removable 316 Stainless Steel Hinge (Pinge™)
Continuous (Piano) Hinge
Lift-Off Hinge

### Mounting Options
Rivet Nuts or Through Holes
Welded or Bolt-on Tabs
Welded or Bolt-on Flange
Multiple Sizes of Legs (Floor Stands)

### Gaskets
Polyurethane Foam-In-Place Gasket
Pressure Sensitive Peel & Stick

### Custom Laser Cut Machining
Precision laser cut machining for cable glands, window kits and more. Send a detailed drawing to customerservice@integraenclosures.com for a quote.

### Custom Printing and Engraving
Full-color silk screening and precise engraving are available. Add your company logo or important safety information to enclosure for a great looking finished product.

*Multiple accessories are available for all models, including custom back panels, swing panels, drip shields and literature trays. Back panels and swing panels can be modified to include custom hole patterns to fit your application.*

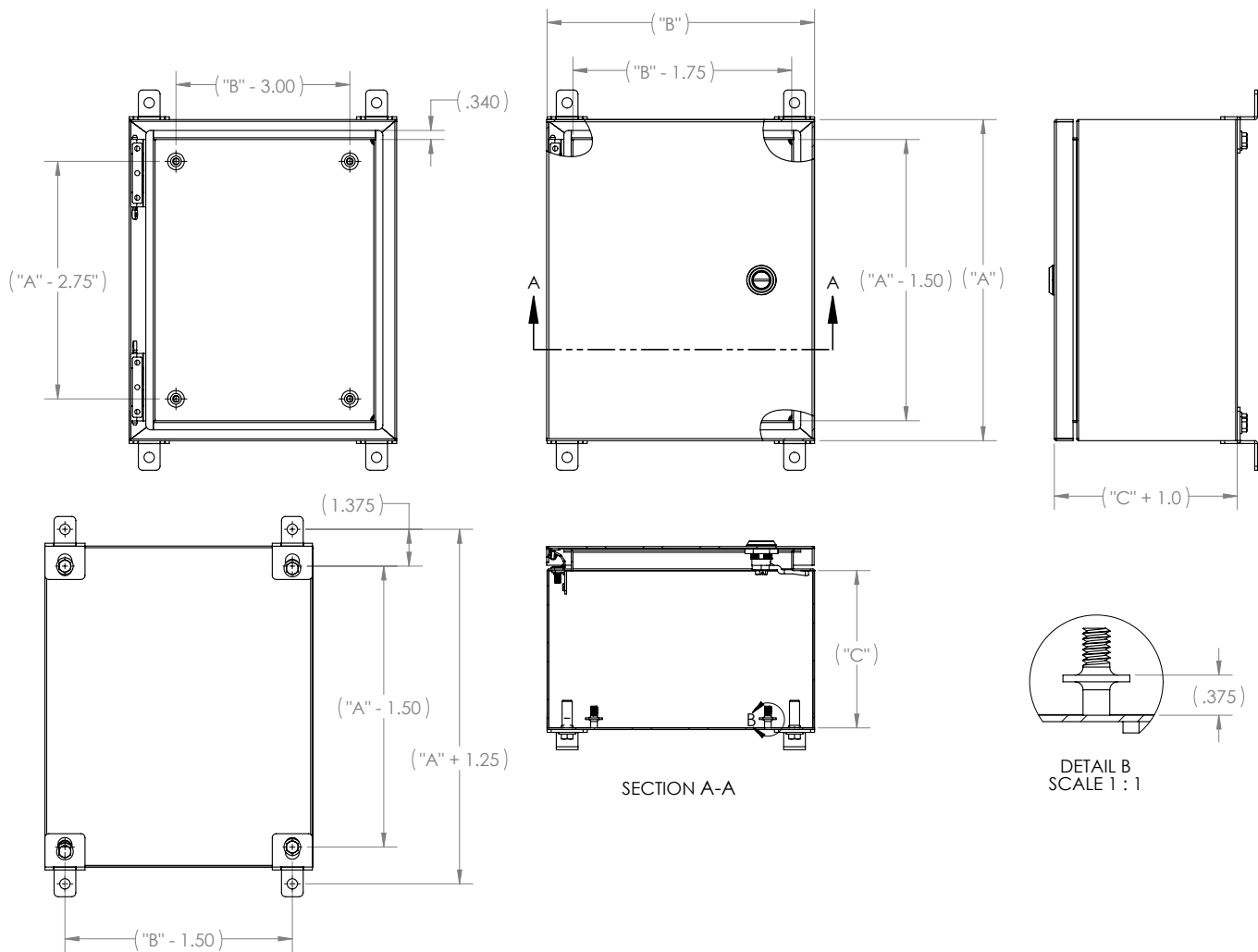*\*2 Door variant with removable center channel & expanded envelope also available.*

("B" - 3.00)  (.340)

("A" - 2.75")

("B")

("B" - 1.75)

A     A   ("A" - 1.50) ("A")

("C" + 1.0)

(1.375)

("A" - 1.50)

("A" + 1.25)

("B" - 1.50)

("C")

B

SECTION A-A

(.375)

DETAIL B
SCALE 1 : 1

Submit drawings to customerservice@integraenclosures.com for approval and quote.
*Unless otherwise specified, our standard gauge size for enclosures 20"x20" and smaller are 16 gauge.
For enclosures 20"x20" and larger, our standard is 14 gauge.

## Accessories for Strongbox Custom (For complete accessories, see page 92)

**Back Panels**
Aluminum, Stainless Steel and Galvannealed Steel back panels can be modified with holes

**Gland Plates**
UL NEMA 4X rated gland plates for cable entry.
Contact factory for details

**Literature Tray**
**9220236-LT -** Large Integra Literature Tray
**9920237-LT** - Small Integra Literature Tray

**Windows**
Flush-mount and exterior-mount window options available. Contact factory for details.

**PEMs**
Threaded and non-threaded PEMs can be installed or shipped separately.

**Cord Grips**
IP68/NEMA 4X/6P rated
See page 78 for more details and part numbers.

## Features & Benefits

- **Slope Top Options** – Choose between full-face or bull-nose style slope top.

- **Built to spec** – 100% custom enclosures built to order. Work with our engineering dept. to get exactly what you need

- **Precise machining** – laser cut holes for connectors and accessories or window kits for easy viewing.

- **Wide range of sizes**, configurations and accessories provides capabilities for every application.

- **Powder coating available**. Choose from range of RAL color codes.

- **UL508A listed** and **NEMA 4X rated**

| Mechanical & Thermal | Unit | Rating |
|---|---|---|
| Temperature Range | Deg. F | -40 to 140 |
| Industry Standards | | |
| UL/C-UL | | 508A |
| NEMA Rating | | 1 ,2, 3, 3R, 4, 4X |

## WAYS TO CUSTOMIZE

**Start with Quality Materials**
We can build with 304 or 316 Stainless Steel or Marine Grade Aluminum.

**Choose your dimensions**
We can accommodate various HxWxD requests up to 90 inches. Submit design requirements to engineering. These configurations may not provide a UL rating and are subject to engineering approval.

**Latch Options**
Quarter-Turn Latch
Integra Locking Latch
3-Point Latch (Pad Lockable)

**Mounting Options**
Rivet Nuts or Through Holes
Welded or Bolt-on Tabs
Welded or Bolt-on Flange
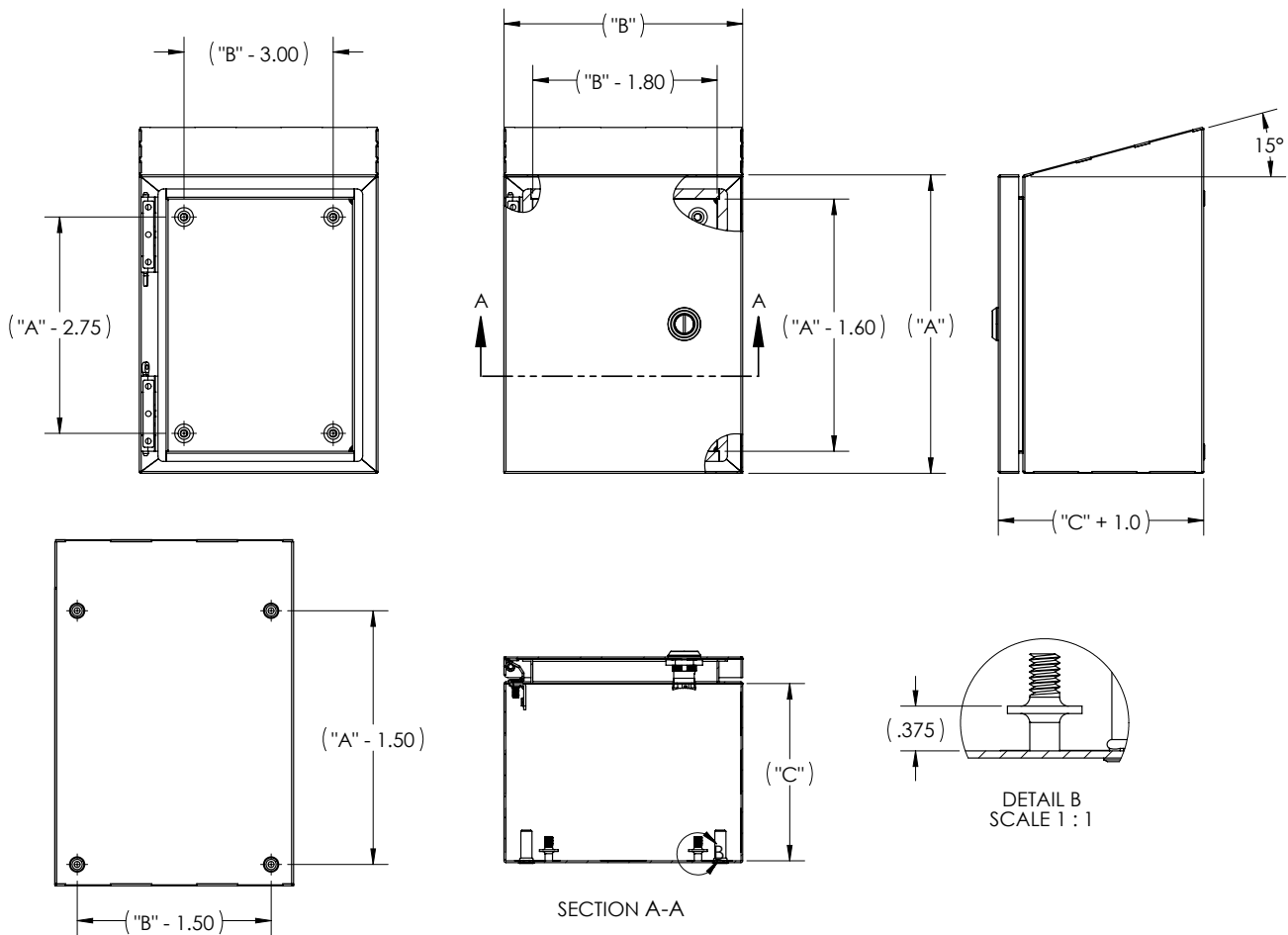Multiple Sizes of Legs (Floor Stands)

**Hinge Options**
Removable 316 Stainless Steel Hinge (Pinge™)
Continuous (Piano) Hinge
Lift-Off Hinge

**Gaskets**
Polyurethane Foam-In-Place Gasket
Pressure Sensitive Peel & Stick

**Custom Laser Cut Machining**
Precision laser cut machining for cable glands, window kits and more. Send a detailed drawing to customerservice@integraenclosures.com for a quote.

**Custom Printing and Engraving**
Full-color silk screening and precise engraving are available. Add your company logo or important safety information to enclosure for a great looking finished product.

*Multiple accessories are available for all models, including custom back panels, swing panels, drip shields and literature trays. Back panels and swing panels can be modified to include custom hole patterns to fit your application.*

("B" - 3.00)

("B")

("B" - 1.80)

15°

("A" - 2.75)

A    A

("A" - 1.60)    ("A")

("C" + 1.0)

("A" - 1.50)

("C")

(.375)

DETAIL B
SCALE 1 : 1

("B" - 1.50)

SECTION A-A

Submit drawings to customerservice@integraenclosures.com for approval and quote.
*Unless otherwise specified, our standard gauge size for enclosures 20"x20" and smaller are 16 gauge.
For enclosures 20"x20" and larger, our standard is 14 gauge.

## Accessories for Strongbox Custom

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**Literature Tray**
**9220236-LT -** Large Integra Literature Tray
**9920237-LT** - Small Integra Literature Tray

**Windows**
Flush-mount and exterior-mount window options available. Contact factory for details.

**PEMs**
Threaded and non-threaded PEMs can be installed or shipped separately.

**Cord Grips**
IP68/NEMA 4X/6P rated
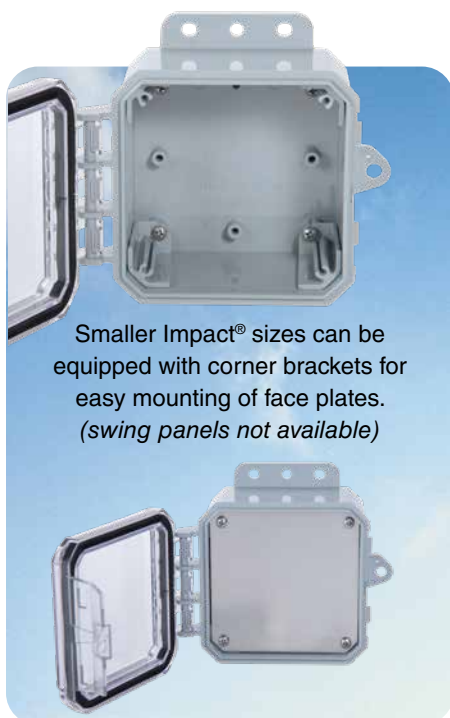See page 78 for more details and part numbers.

## INTEGRA'S EASY & UNIQUE **SWING PANEL & FACE PLATE SYSTEM**

### BENEFITS OF SWING PANEL AND FACE PLATE SYSTEM

*Smart, Simple and Easy!*

- Minimum number of parts to install
- A phillips head screwdriver is all that is needed to install either system.
- Face plates, swing panels and complete kits in stock
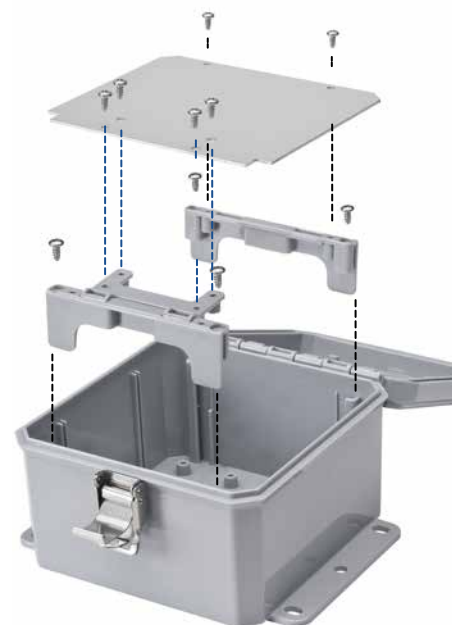- Custom panels available (consult factory)

Smaller Impact® sizes can be equipped with corner brackets for easy mounting of face plates.
*(swing panels not available)*

### EXCLUSIVELY AVAILABLE ON THE IMPACT® **6X6X3** AND **8X6X3** ENCLOSURES

**Impact® Face plate Kit Assembly**
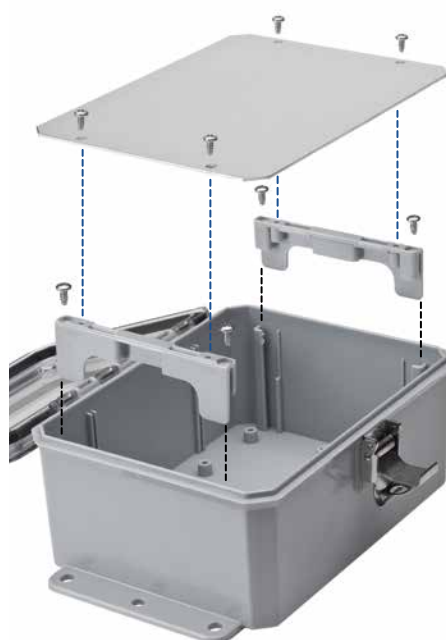
**Impact® Swing Panel Kit Assembly**

### TWO SIMPLE STEPS...

**FACE PLATE System**

1. Install Four #8 self-tapping screws to secure the brackets to the enclosure.

2. Install Four #8 self-tapping screws to secure the face plate to brackets.

**SWING PANEL System**

1. Install Four #8 self-tapping screws to secure the brackets to the enclosure.

2. Install Four or Six (your choice) #8 self-tapping screws to secure the swing panel to the brackets.

**\* Patent # 10,516,256**

**FOR TIMES WHEN YOU NEED EASY ACCESS TO METERS, SWITCHES, READING GAUGES OR OTHER SIGNIFICANT COMPONENTS, INTEGRA'S SWING OUT PANEL KIT IS YOUR SOLUTION.**

Our advanced swing panel kits are cost-effective and designed for a quick and easy installation; panel mount brackets, hinge swing arms, hardware and the swing panel is all that is needed to quickly and cleanly install the swing panel system.

**No drilling required!**

The swing panel kit provides an attractive solution for components mounted near the front of the enclosure. Swing panels can be modified to include custom machining and window kits. Swing panel kits are available for all Integra product lines.

## PREMIUM SERIES

**Complete swing panel kit includes:**
  - Panel
  - Two hinge swing arms
  - Four panel mount brackets
  - Hardware for complete installation

• Panels and hardware for swing panel kits can also be purchased separately at any time.
• Available in aluminum, white painted steel and PVC.
• No drilling required!

## IMPACT® SERIES

**Complete swing panel kit includes:**
  - Panel
  - Two rigid brackets
  - One pivot bracket
  - 8 self-tapping screws

• Panels and hardware for swing panel kits can also be purchased separately at any time.
• Available in aluminum, white painted steel and PVC.
• P10084 and larger use Premium Series mounting style.

## GENESIS SERIES

**Complete swing panel kit includes:**
  - Panel
  - Hinge for swing panel
  - Hardware for complete installation

• Panels and hardware for swing panel kits can also be purchased separately at any time.
• Full Piano Hinge supports weight of larger enclosure applications.
• Available in aluminum, white painted steel and PVC.
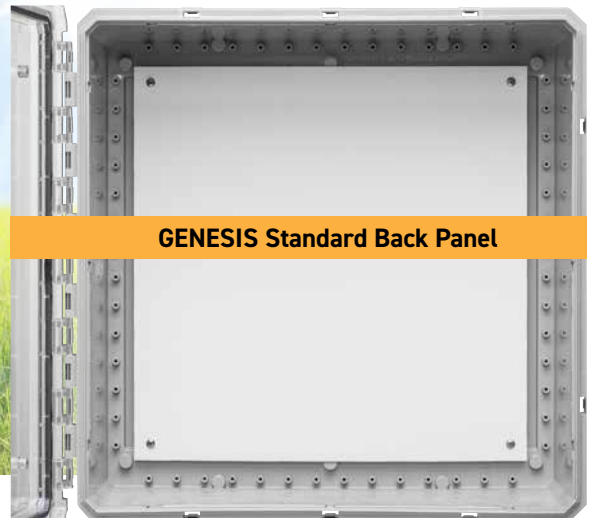• No drilling required!

## MAKE THE MOST OF YOUR **MOUNTING SPACE** WITH GENESIS

**GENESIS Standard Back Panel**

**Our innovative panel options for Genesis enclosures allow for up to 20% more space.**

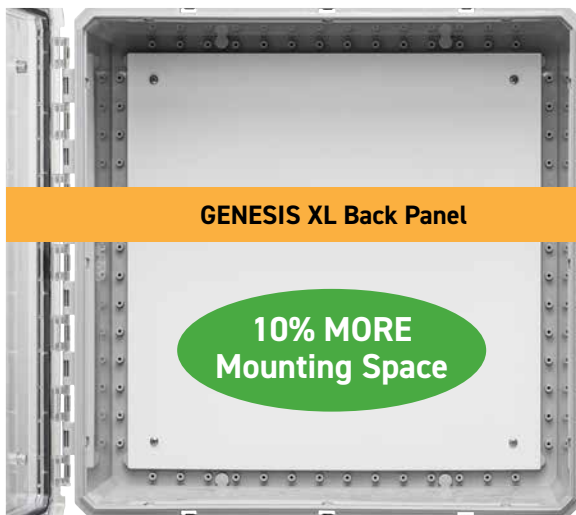Available in Aluminum & Painted Steel. See page 88 for part numbers.

**PANEL DIMENSIONS**
**G2016:** 18.80" x 14.88"
**G2424:** 21.0" x 21.0"

**GENESIS XL Back Panel**

**10% MORE Mounting Space**

**PANEL DIMENSIONS**
**G2016:** 19.4" x 15.4"
**G2424:** 22.13" x 22.13"
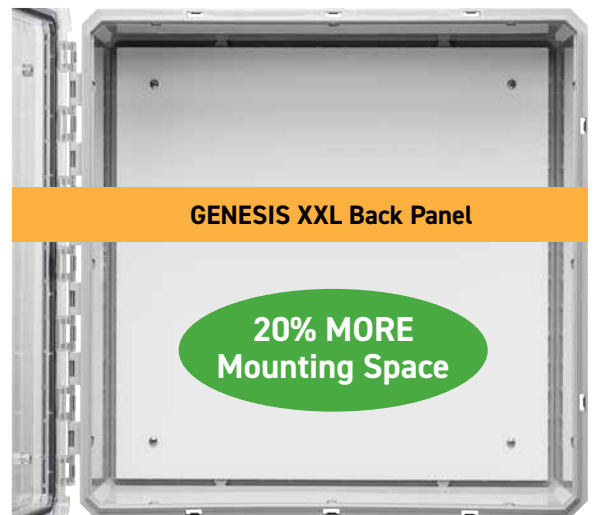
**GENESIS XXL Back Panel**

**20% MORE Mounting Space**

**PANEL DIMENSIONS**
**G2016:** 21.09" x 17.09"
**G2424:** 23.25" x 23.25"
*NOT COMPATIBLE WITH MULTIMAX RAILS*

## GENESIS SERIES SIDE PANELS PROVIDE A 3-DIMENSIONAL MOUNTING SPACE

Side panels mount to Integra's Multi-Max® Rail System to create unlimited mounting potential for your application.

**SIDE PANEL DIMENSIONS**
**G2016:** 6.25" x 15"
**G2424:** 7.88" x 21.75"

## FINDING THE RIGHT BACK PANEL FOR YOUR APPLICATION

### Aluminum
**Available for:** Premium, Impact & Genesis Series

**Advantages:** Lightweight and cost-effective

### PVC
**Available for:** Premium, Impact & Genesis Series

**Advantages:** Non-conductive and lightweight
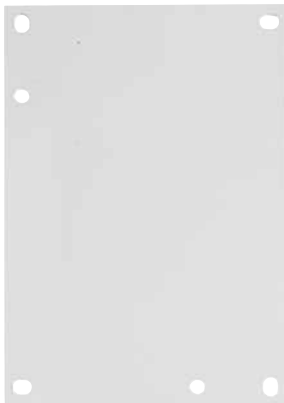
### Painted Steel
**Available for:** Premium, Impact & Genesis Series

**Advantages:** White powder coat offers corrosion resistance and clean finished look.

### Galvannealed Steel
**Available for:** Strongbox Series

**Advantages:** Annealing process creates strong coating that resists corrosion.
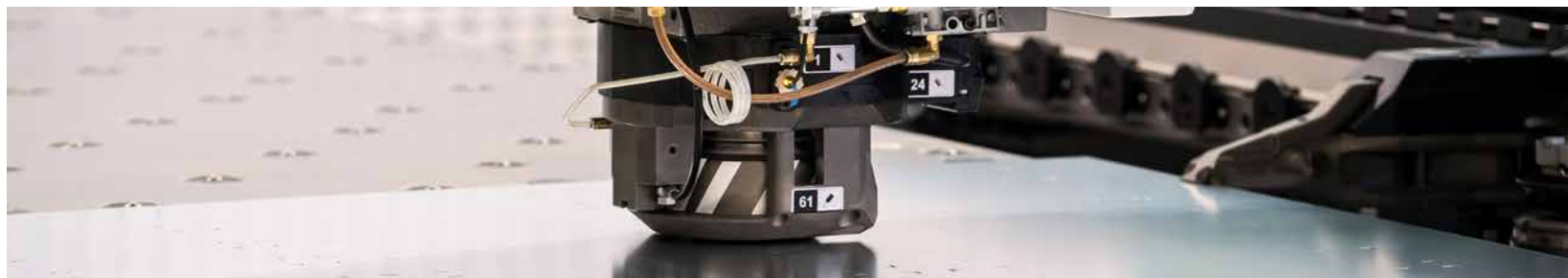
## CUSTOM **MACHINED PANELS** MAKE **COMPONENT INSTALLATION** A BREEZE

**Cut out the middle-man and let Integra handle your panel modification needs.** We offer precise machining on all back panels, swing panels and face plates.

# WINDOWS & GLAND PLATES

## ACCESS CONTROLS WITHOUT SACRIFICING PROTECTION

### Flush Mounted Windows
- Window is flush with front of enclosure door for a clean finished look. Window frame is welded to inner door.
- Hydrophobic FIP gasket creates a dust & water-tight seal.
- Window Material is Impact-Resistant Polycarbonate
- Max Window Size: 24 in x 24 in
- UL508A listed and NEMA 4X rated

### Exterior Mounted Windows
- Window frame is mounted on the outside of the enclosure.
- Ideal for applications where space inside the enclosure is limited
- Window Material: Tempered Glass or Impact-Resistant Polycarbonate
- This style can also receive high-temp gasket.
- Max Window Size: 24 in x 24 in
- UL508A listed and NEMA 4X rated

## AN ECONOMICAL, INTERCHANGEABLE SOLUTION FOR CABLE EGRESS AND ENTRY
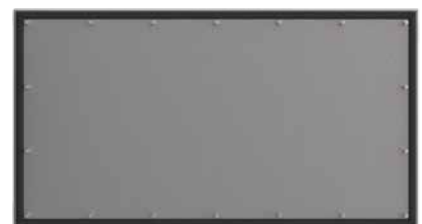
### Gland Plates
Ideal for enclosures with multiple hole pattern variations. Easily switch out machined gland plates while maintaining enclosure protection rating.

**Material:** 12ga Stainless Steel with Polyurethane FIP gasket

**Max Usable Gland Area:** Plate size minus 2.5" in all directions

**Max Plate Size:** 48 in x 48 in
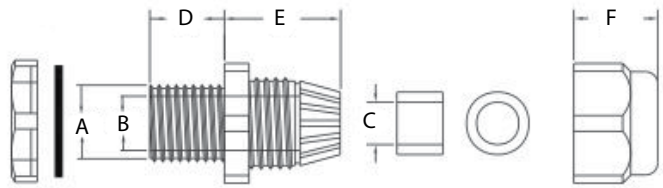
UL508A listed and NEMA 4X rated

## Cord Grip Specifications

- Self-locking waterproof design
- Temperature Range: - 4°F to 212°F (-20° C to 100° C)
- IP68/NEMA 4X/6P Rated
- UL 94V-2 and REACH certified and RoHS compliant

| Part Number | Mounting Hole Diameter | | | | | | Cable Diameter Range |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | A | B | C | D | E | F | |
| CG-LTF7 | .492 (12.5) | .335 (8.5) | .244 (6.2) | .346 (8.8) | .831 (21.1) | .575 (14.6) | .138-.236 (3.5-6) |
| CG-LTF9 | .614 (15.6) | .433 (11.0) | .346 (8.8) | .339 (8.6) | .902 (22.9) | .587 (14.9) | .157-.315 (4-8) |
| CG-LTF11 | .724 (18.4) | .547 (13.9) | .398 (10.1) | .382 (9.7) | .941 (23.9) | .661 (16.8) | .197-.394 (5-10) |
| CG-LTF13.5 | .803 (20.4) | .614 (15.6) | .472 (12.0) | .374 (9.5) | .992 (25.2) | .697 (17.7) | .236-.472 (6-12) |
| CG-LTF16 | .882 (22.4) | .701 (17.8) | .567 (14.4) | .402 (10.2) | 1.051 (26.7) | .705 (17.9) | .394-.551 (10-14) |
| CG-LTF21 | 1.106 (28.1) | .874 (22.2) | .713 (18.1) | .441 (11.2) | 1.193 (30.3) | .900 (22.6) | .512-.709 (13-18) |
| CG-LTF29 | 1.469 (37.3) | 1.220 (31.0) | .996 (25.3) | .524 (13.3) | 1.378 (35.0) | .996 (25.3) | .709-.984 (18-25) |
| CG-NPT-038 | .657 (16.7) | .425 (10.8) | .406 (10.3) | .575 (14.6) | .937 (23.8) | .661 (16.8) | .197-.394 (5-10) |
| CG-NPT-050 | .835 (21.2) | .587 (14.9) | .551(14.0) | .508 (12.9) | 1.118 (28.4) | .736 (18.7) | .394-.551 (10-14) |
| CG-NPT-075 | 1.035 (26.3) | .728 (18.5) | .709 (18.0) | .571 (14.5) | 1.150 (29.2) | .878 (22.3) | .512-.709 (13-18) |
| CG-NPT-100 | 1.268 (33.2) | 1.024 (26.0) | .984 (25.0) | .587 (14.9) | 1.378 (35.0) | 1.012 (25.7) | .709-.984 (18-25) |

## Hole Plug Specifications

- Liquid tight plugs are nylon and elastomer co-molded and can be pierced by round wire, cable or tubing to function as liquid tight bushing.
- Provide liquid tight closure when used as a plug and when pierced.
- Temperature Range: - 40°F to 212°F (-40° C to 100° C)
- UL 635 certified and IP 67/68 rated.
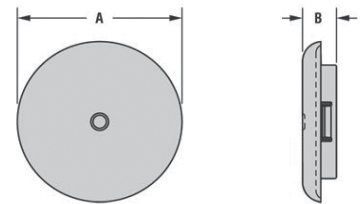
| Part Number | Thickness at Locking Finger Steps | Mounting Hole Diameter | Cable Diameter Range | A Head Diameter | B Overall Height |
| --- | --- | --- | --- | --- | --- |
| HOLE PLUG-050 | .080 (2.0) | .500 (12.7) | .080-.200 (2.0-5.1) | .92 (23.4) | .63 (15.9) |
| HOLE PLUG-063 | .094 (2.4) | .625 (15.9) | .130-.375 (3.3-9.5) | 1.03 (26.2) | .63 (15.9) |
| HOLE PLUG-075 | .125 (3.2) | .750 (19.1) | .175-.400 (4.4-10.2) | 1.15 (29.2) | .63 (15.9) |
| HOLE PLUG-088 | .157 (4.0) | .875 (22.2) | .130-.450 (3.3-11.4) | 1.28 (32.5) | .63 (15.9) |
| HOLE PLUG-100 | .200 (5.1) | 1.00 (25.4) | .200-.715 (5.1-18.2) | 1.43 (36.6) | .63 (15.9) |

# KEEP YOUR ELECTRONICS COOL WITH INTEGRA'S VENT & FAN KITS

## VENT-2

| Part Number | Description |
| --- | --- |
| VENT-2 | Outdoor Vent - Labyrinth, non-metallic vent |
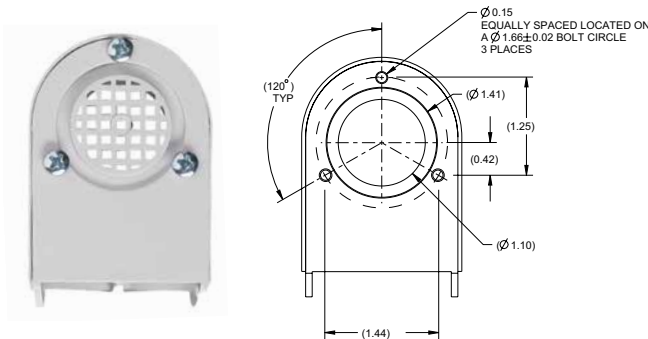


## VENT-3

| Part Number | Description |
| --- | --- |
| VENT-3 | Aluminum Vent - Louvered |
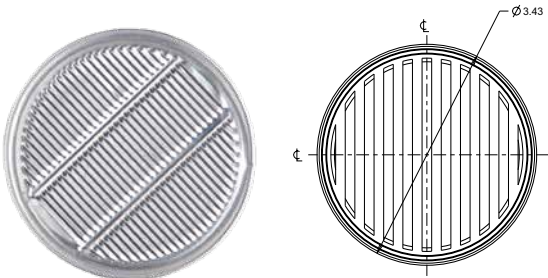


## Fan Shroud Kits

| Part Number | Description |
| --- | --- |
| FS-KIT-1 | Fan Shroud Kit - one piece (includes Gasket & Hardware |
| FS-KIT-2 | Fan Shroud Kit - two pieces (includes Gasket & Hardware) |
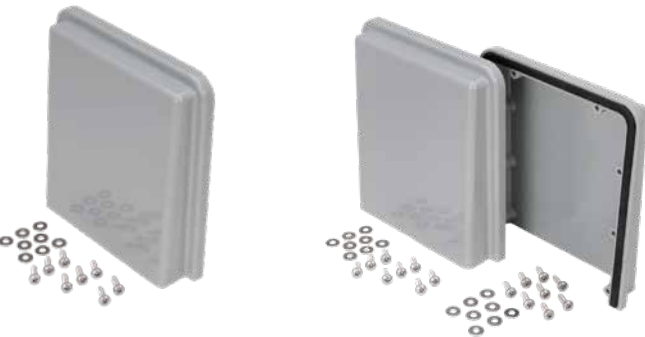


## Gore Vents

| Part Number | Description |
| --- | --- |
| VENT-POLY-GRY | Gore Vent Kit - Gray |
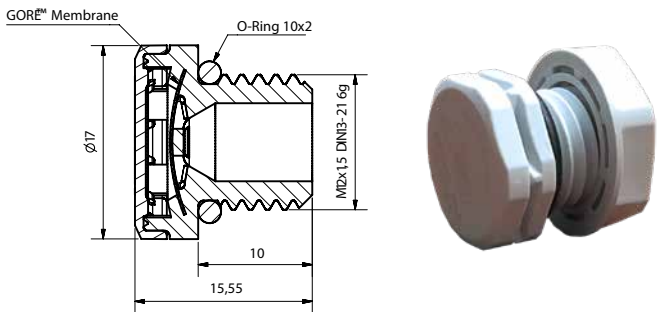
## Fan Shroud Vent Filter Kits

- Designed to keep the elements out of your enclosure while allowing the free air movement from your filtered fan packages.
- Shrouds are sized to fit neatly over your openings and fans.
- Includes fully gasketed seal between filter fan and box
- Kits include template and all mounting hardware
- High impact and UV resistant polycarbonate
- Maintains NEMA Type 3R rating

## Shroud Vent Filter Kits

| Part Number | Description |
|---|---|
| FSFK1-G | Fan Shroud Vent Filter Gray - one piece |
| FSFK2-G | Fan Shroud Vent Filter Kit Gray - two pieces |
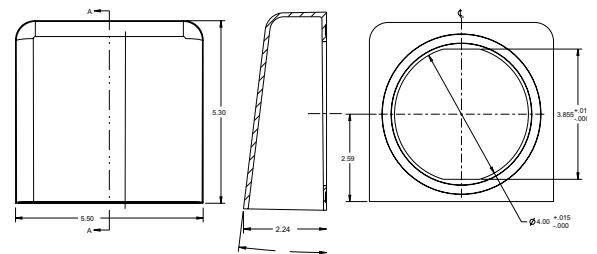
# FOR ADDITIONAL COOLING, MAKE YOUR FILTER FAN A **FORCED AIR SOLUTION**
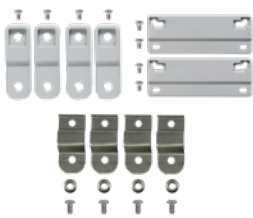
## Forced Air Fan Kits

| Part Number | Voltage | CFM | Fan Depth (in) |
|---|---|---|---|
| KIT-FAN-120VAC-30 | 120 VAC | Low CFM (30) | 1.0 |
| KIT-FAN-120VAC-84 | 120 VAC | High CFM (84) | 1.5 |
| KIT-FAN-12VDC-49 | 12 VDC | Low CFM (49) | 1.0 |
| KIT-FAN-12VDC-135 | 12 VDC | High CFM (135) | 1.5 |
| KIT-FAN-24VDC-49 | 24 VDC | Low CFM (49) | 1.0 |
| KIT-FAN-24VDC-135 | 24 VDC | High CFM (135) | 1.5 |
| KIT-FAN-48VDC-50 | 48 VDC | Low CFM (50) | 1.0 |
| KIT-FAN-48VDC-135 | 48 VDC | High CFM (135) | 1.5 |

VENT-SHROUD

NUT-NYLOK-#6-32 (X4)

VENT-GRILLE

WIRE-FILTER-HOLDER

VENT-NUT

PLATE-ADAPTER-FAN

SCREW-FLAT-HD, #4-24 X 1/2 (X3)

FAN

SCREW-PAN-HD, #6-32 X 1 3/8 (X4) (#6-32 x 2 for high CFM fans)
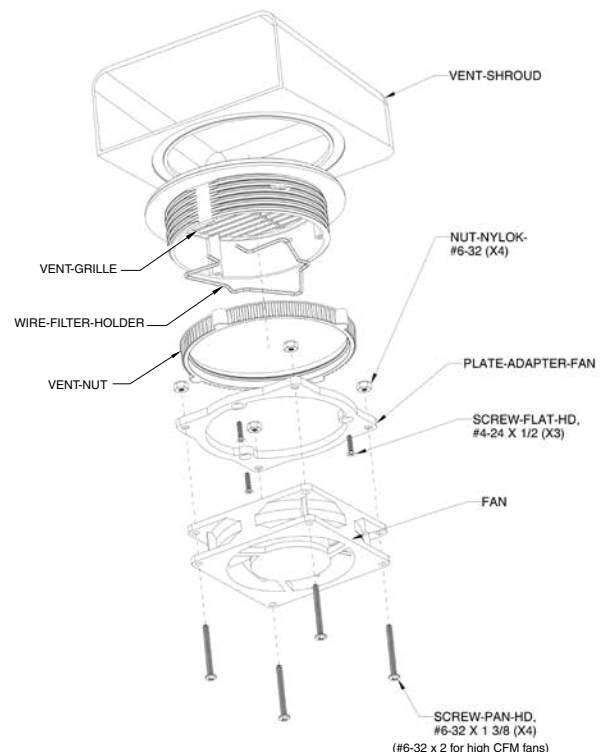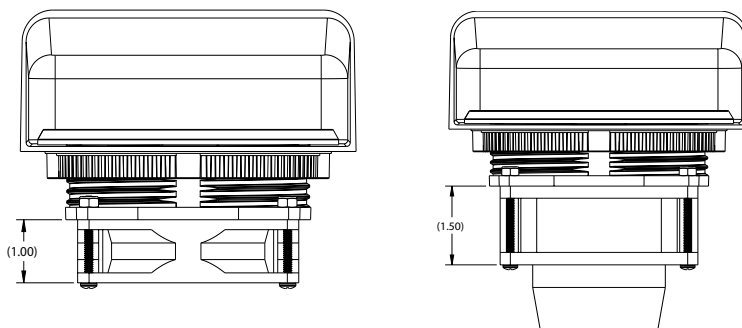
## PREMIUM SERIES ACCESSORIES

| Part Number | Description | Size (inches) |
|---|---|---|
| **Mounting Options** | | |
| MFK-G | Mounting Feet Kit-Premium Line - Gray | N/A |
| MFK-B | Mounting Feet Kit-Premium Line - Black | N/A |
| MFKSS | Mounting Feet Kit-Stainless Steel | N/A |
| MFLK6 | Mounting Flange Kit 6" | N/A |
| MFLK8 | Mounting Flange Kit 8" | N/A |
| MFLK10 | Mounting Flange Kit 10" | N/A |
| MFLK12 | Mounting Flange Kit 12" | N/A |
| MFLK14 | Mounting Flange Kit 14" | N/A |
| MFLK16 | Mounting Flange Kit 16" | N/A |
| **Aluminum Panels for Component Installation** (Four mounting screws included) | | |
| ABP-66 | Aluminum Panel for 6"x6" Enclosure | 4.88 x 4.88 |
| ABP-86 | Aluminum Panel for 8"x6" Enclosure | 6.75 x 4.88 |
| ABP-88 | Aluminum Panel for 8"x8" Enclosure | 6.88 x 6.75 |
| ABP-108 | Aluminum Panel for 10"x8"X4" or 6" Enclosure | 8.75 x 6.88 |
| ABP-1082 | Aluminum Panel for 10"x8"X2" Enclosure | 8.75 x 6.80 |
| ABP-1210 | Aluminum Panel for 12"x10" Enclosure | 10.75 x 8.88 |
| ABP-1412 | Aluminum Panel for 14"x12" Enclosure | 12.75 x 10.88 |
| ABP-1614 | Aluminum Panel for 16"x14" Enclosure | 14.75 x 12.88 |
| ABP-1816 | Aluminum Panel for 18"x16" Enclosure | 16.75 x 14.88 |
| **Steel Panels for Component Installation - White Powder Coated** (Four mounting screws included) | | |
| SBP-66 | Steel Panel for 6"x6" Enclosure | 4.88 x 4.88 |
| SBP-86 | Steel Panel for 8"x6" Enclosure | 6.75 x 4.88 |
| SBP-88 | Steel Panel for 8"x8" Enclosure | 6.75 x 6.75 |
| SBP-108 | Steel Panel for 10"x8" Enclosure | 8.88 x 6.88 |
| SBP-1082 | Steel Panel for 10"x8"x2" Enclosure | 6.80 x 8.75 |
| SBP-1210 | Steel Panel for 12"x10" Enclosure | 10.88 x 8.88 |
| SBP-1412 | Steel Panel for 14"x12" Enclosure | 12.88 x 10.88 |
| SBP-1614 | Steel Panel for 16"x14" Enclosure | 14.88 x 12.88 |
| SBP-1816 | Steel Panel for 18"x16" Enclosure | 16.88 x 14.88 |
| **PVC Panels for Component Installation - Gray** (Four mounting screws included) | | |
| PVCBP-66 | PVC Panel for 6"x6" Enclosure | 4.88 x 4.88 |
| PVCBP-86 | PVC Panel for 8"x6" Enclosure | 6.75 x 4.88 |
| PVCBP-88 | PVC Panel for 8"x8" Enclosure | 6.88 x 6.75 |
| PVCBP-108 | PVC Panel for 10"x8"x4" or 6" Enclosure | 8.75 x 6.88 |
| PVCBP-1082 | PVC Panel for 10"x8"x2" Enclosure | 8.75 x 6.80 |
| PVCBP-1210 | PVC Panel for 12"x10" Enclosure | 10.75 x 8.88 |
| PVCBP-1412 | PVC Panel for 14"x12" Enclosure | 12.75 x 10.88 |
| PVCBP-1614 | PVC Panel for 16"x14" Enclosure | 14.75 x 12.88 |
| PVCBP-1816 | PVC Panel for 18"x16" Enclosure | 16.75 x 14.88 |

## PREMIUM SERIES ACCESSORIES (CONT.)

| Part Number | Description | Size (inches) |
|---|---|---|
| **Clear Replacement Covers** (Includes Cover Screws and Hole Plugs - Gasket Installed) | | |
| X66CSC-RPL | Screw Cover \| Clear | 6 x 6 |
| X66CHC-RPL | Hinged Cover \| Clear | 6 x 6 |
| X86CSC-RPL | Screw Cover \| Clear | 8 x 6 |
| X86CHC-RPL | Hinged Cover \| Clear | 8 x 6 |
| X88CSC-RPL | Screw Cover \| Clear | 8 x 8 |
| X88CHC-RPL | Hinged Cover \| Clear | 8 x 8 |
| X108CSC-RPL | Screw Cover \| Clear | 10 x 8 |
| X108CHC-RPL | Hinged Cover \| Clear | 10 x 8 |
| X1210CSC-RPL | Screw Cover \| Clear | 12 x 10 |
| X1210CHC-RPL | Hinged Cover \| Clear | 12 x 10 |
| X1412CSC-RPL | Screw Cover \| Clear | 14 x 12 |
| X1412CHC-RPL | Hinged Cover \| Clear | 14 x 12 |
| X1614CSC-RPL | Screw Cover \| Clear | 16 x 14 |
| X1614CHC-RPL | Hinged Cover \| Clear | 16 x 14 |
| X1618CHC-RPL | Hinged Cover \| Clear | 16 x 18 |
| X1816CSC-RPL | Screw Cover \| Clear | 18 x 16 |
| X1816CHC-RPL | Hinged Cover \| Clear | 18 x 16 |
| **Opaque Replacement Covers** (Includes Cover Screws and Hole Plugs - Gasket Installed) | | |
| H66CSO-RPL | Screw Cover \| Opaque | 6 x 6 |
| H66CHO-RPL | Hinged Cover \| Opaque | 6 x 6 |
| H86CSO-RPL | Screw Cover \| Opaque | 8 x 6 |
| H86CHO-RPL | Hinged Cover \| Opaque | 8 x 6 |
| H88CSO-RPL | Screw Cover \| Opaque | 8 x 8 |
| H88CHO-RPL | Hinged Cover \| Opaque | 8 x 8 |
| H108CSO-RPL | Screw Cover \| Opaque | 10 x 8 |
| H108CHO-RPL | Hinged Cover \| Opaque | 10 x 8 |
| H1210CSO-RPL | Screw Cover \| Opaque | 12 x 10 |
| H1210CHO-RPL | Hinged Cover \| Opaque | 12 x 10 |
| H1412CSO-RPL | Screw Cover \| Opaque | 14 x 12 |
| H1412CHO-RPL | Hinged Cover \| Opaque | 14 x 12 |
| H1614CSO-RPL | Screw Cover \| Opaque | 16 x 14 |
| H1614CHO-RPL | Hinged Cover \| Opaque | 16 x 14 |
| H1618CHO-RPL | Hinged Cover \| Opaque | 16 x 18 |
| H1816CSO-RPL | Screw Cover \| Opaque | 18 x 16 |
| H1816CHO-RPL | Hinged Cover \| Opaque | 18 x 16 |
| **Swing Panel Kit Hardware Only** *Kit includes the two hinge swing arms, four panel mount brackets and hardware needed for Premium enclosure* | | |
| USOPK-B | Universal Swing Panel Kit - Black | N/A |
| USOPK-G | Universal Swing Panel Kit - Gray | N/A |
| USOPK-B-PVC | Swing Panel Kit for PVC Back Panel - Black | N/A |
| USOPK-G-PVC | Swing Panel Kit for PVC Back Panel - Gray | N/A |

## PREMIUM SERIES ACCESSORIES (CONT.)

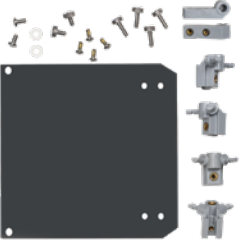| Part Number | Description | Size (inches) |
|---|---|---|
| **Aluminum Swing Panels Pre-Drilled For SOPK** | | |
| ABP-66USP | Aluminum Swing Panel for 6x6 Enclosure | 4.92 x 4.92 |
| ABP-86USP | Aluminum Swing Panel for 8x6 Enclosure | 6.75 x 4.87 |
| ABP-88USP | Aluminum Swing Panel for 8x8 Enclosure | 6.75 x 6.87 |
| ABP-108USP | Aluminum Swing Panel for 10x8 Enclosure | 8.75 x 6.88 |
| ABP-1210USP | Aluminum Swing Panel for 12x10 Enclosure | 10.88 x 8.88 |
| ABP-1412USP | Aluminum Swing Panel for 14x12 Enclosure | 12.88 x 10.88 |
| ABP-1614USP | Aluminum Swing Panel for 16x14 Enclosure | 14.88 x 12.88 |
| ABP-1618USP | Aluminum Swing Panel for 16x18 Enclosure | 14.88 x 16.75 |
| ABP-1816USP | Aluminum Swing Panel for 18x16 Enclosure | 16.75 x 14.88 |
| **Aluminum Swing Panel Kits (Includes Panel and Hardware)** | | |
| ABP-66-USOPK | Swing Panel Kit for 6x6 Enclosure | 4.92 x 4.92 |
| ABP-86-USOPK | Swing Panel Kit for 8x6 Enclosure | 6.75 x 4.87 |
| ABP-88-USOPK | Swing Panel Kit for 8x8 Enclosure | 6.75 x 6.87 |
| ABP-108-USOPK | Swing Panel Kit for 10x8 Enclosure | 8.75 x 6.88 |
| ABP-1210-USOPK | Swing Panel Kit for 12x10 Enclosure | 10.88 x 8.88 |
| ABP-1412-USOPK | Swing Panel Kit for 14x12 Enclosure | 12.88 x 10.88 |
| ABP-1614-USOPK | Swing Panel Kit for 16x14 Enclosure | 14.88 x 12.88 |
| ABP-1618-USOPK | Swing Panel Kit for 16 x 18 Enclosure | 14.88 x 16.75 |
| ABP-1816-USOPK | Swing Panel Kit for 18x16 Enclosure | 16.75 x 14.88 |
| **Steel Swing Panels Pre-drilled for SOPK - White Powder Coated** | | |
| SBP-66USP | Steel Swing Panel for 6x6 Enclosure | 4.92 x 4.92 |
| SBP-86USP | Steel Swing Panel for 8x6 Enclosure | 6.75 x 4.87 |
| SBP-88USP | Steel Swing Panel for 8x8 Enclosure | 6.75 x 6.87 |
| SBP-108USP | Steel Swing Panel for 10x8 Enclosure | 8.75 x 6.88 |
| SBP-1082USP | Steel Swing Panel for H10082 Enclosure | 8.75 x 6.8 |
| SBP-1210USP | Steel Swing Panel for 12x10 Enclosure | 10.88 x 8.88 |
| SBP-1412USP | Steel Swing Panel for 14x12 Enclosure | 12.88 x 10.88 |
| SBP-1614USP | Steel Swing Panel for 16x14 Enclosure | 14.88 x 12.88 |
| SBP-1816USP | Steel Swing Panel for 18x16 Enclosure | 16.75 x 14.88 |
| **Steel Swing Panel Kits (Includes Panel and Hardware)** | | |
| SBP-66-USOPK | Steel Swing Panel Kit for 6x6 Enclosure | 4.92 x 4.92 |
| SBP-86-USOPK | Steel Swing Panel Kit for 8x6 Enclosure | 6.75 x 4.87 |
| SBP-88-USOPK | Steel Swing Panel Kit for 8x8 Enclosure | 6.75 x 6.87 |
| SBP-108-USOPK | Steel Swing Panel Kit for 10x8 Enclosure | 8.75 x 6.88 |
| SBP-1210-USOPK | Steel Swing Panel Kit for 12x10 Enclosure | 10.88 x 8.88 |
| SBP-1412-USOPK | Steel Swing Panel Kit for 14x12 Enclosure | 12.88 x 10.88 |
| SBP-1614-USOPK | Steel Swing Panel Kit for 16x14 Enclosure | 14.88 x 12.88 |
| SBP-1816-USOPK | Steel Swing Panel Kit for 18x16 Enclosure | 16.75 x 14.88 |

## PREMIUM SERIES ACCESSORIES (CONT.)

| Part Number | Description | Size (inches) |
|---|---|---|
| **PVC Swing Panel Kits** (Includes Panel and Hardware) | | |
| PVC-66-USOPK | PVC Swing Panel Kit for 6x6 Enclosure | 4.92 x 4.92 |
| PVC-86-USOPK | PVC Swing Panel Kit for 8x6 Enclosure | 6.75 x 4.87 |
| PVC-88-USOPK | PVC Swing Panel Kit for 8x8 Enclsoure | 6.75 x 6.87 |
| PVC-108-USOPK | PVC Swing Panel Kit for 10x8 Enclosure | 8.75 x 6.88 |
| PVC-1210-USOPK | PVC Swing Panel Kit for 12x10 Enclosure | 10.88 x 8.88 |
| PVC-1412-USOPK | PVC Swing Panel Kit for 14x12 Enclosure | 12.88 x 10.88 |
| PVC-1614-USOPK | PVC Swing Panel Kit for 16x14 Enclosure | 14.88 x 12.88 |
| PVC-1816-USOPK | PVC Swing Panel Kit for 18x16 Enclosure | 16.75 x 14.88 |
| **Miscellaneous Accessories** | | |
| BPAKB | Back Panel Adjustment Kit - Black Set Screw | N/A |
| BPAKG | Back Panel Adjustment Kit - Gray Set Screw | N/A |
| UBPAK-B | Universal Back Panel Adjustment Kit - Black Thumb Screw | N/A |
| UBPAK-G | Universal Back Panel Adjustment Kit - Gray Thumb Screw | N/A |
| Cover Kit 4-4 | Cover Kit - Includes 4 Hole Plugs and 4 Screws | N/A |
| DIN6 | DIN Rail Kit 6" (2 rails, 4 screws) | 4.88 x 1.39 |
| DIN8 | DIN Rail Kit 8" (2 rails, 4 screws) | 6.75 x 1.39 |
| DIN10 | DIN Rail Kit 10" (2 rails, 4 screws) | 8.75 x 1.39 |
| DIN12 | DIN Rail Kit 12" (2 rails, 4 screws) | 10.75 x 1.39 |
| DIN14 | DIN Rail Kit 14" (2 rails, 4 screws) | 12.75 x 1.39 |
| DIN16 | DIN Rail Kit 16" (2 rails, 4 screws) | 15.00 x 1.39 |
| DIN18 | DIN Rail Kit 18" (2 rails, 4 screws) | 16.50 x 1.39 |
| Gasket-Kit | Gasket Repair Kit - Gasket and Silicone Tube (All Sizes) | N/A |
| KIT-FAN-120VAC-30 | Fan Kit - 120 AVC | N/A |
| KIT-FAN-120VAC-84 | Fan Kit - 120 VAC | N/A |
| KIT-FAN-12VDC-135 | Fan Kit - 12 VDC | N/A |
| KIT-FAN-12VDC-49 | Fan Kit - 12 VDC | N/A |
| KIT-FAN-24VDC-135 | Fan Kit - 24 VDC | N/A |
| KIT-FAN-24VDC-49 | Fan Kit - 24 VDC | N/A |
| KIT-FAN-48VDC-135 | Fan Kit - 48 VDC | N/A |
| KIT-FAN-48VDC-50 | Fan Kit - 48 VDC | N/A |
| KIT-NMLL-050 | Non-Metallic Latch Kit. Used for H8064 & H8084 | N/A |
| KIT-NMLL-063 | Standard Non-Metallic Latch Kit. Used for H6064, H10082, H10084, H10086, H12104, H12106, H141206 | N/A |
| KIT-NMLL-075 | Non-Metallic Latch Kit. Used for H161407 & H181610 | N/A |
| SP-10I | Screw Pack (for mounting to bosses, 10 piece) | N/A |
| SSLL-KIT | Stainless Steel Locking Latch Kit (includes 1 latch with hardware) | N/A |
| SSLL-075-KIT | Stainless Steel Locking Latch Kit for H161407 & H181610 | N/A |
| Cat 60 Lock | Cat 60 Lock | N/A |
| Cat 90 Lock | Cat 90 Lock | N/A |
| Vent 2 | Outdoor Labyrinth Vent | N/A |
| Vent 3 | 3" Aluminum Louvered Vent | N/A |

Gasket
Repair Kit

## PREMIUM SERIES ACCESSORIES (CONT.)

| Part Number | Description | Size (inches) |
|---|---|---|
| **Pole Mounting Kits** | | |
| PMKG-234-6 | For 6" Wide Enclosure - 2", 3", 4"  Pole | N/A |
| PMKG-234-8 | For 8" Wide Enclosure - 2", 3", 4"  Pole | N/A |
| PMKG-234-10 | For 10" Wide Enclosure - 2", 3", 4" Pole | N/A |
| PMKG-234-12 | For 12" Wide Enclosure - 2", 3", 4" Pole | N/A |
| PMKG-234-14 | For 14" Wide Enclosure - 2", 3", 4" Pole | N/A |
| PMKG-26 | For 6" Wide Enclosure - 2" Pole | N/A |
| PMKG-28 | For 8" Wide Enclosure - 2" Pole | N/A |
| PMKG-210 | For 10" Wide Enclosure - 2" Pole | N/A |
| PMKG-212 | For 12" Wide Enclosure - 2" Pole | N/A |
| PMKG-214 | For 14" Wide Enclosure - 2" Pole | N/A |
| PMKG-216 | For 16" Wide Enclosure - 2" Pole | N/A |
| PMKG-218 | For 18" Wide Enclosure - 2" Pole | N/A |
| PMKG-36 | For 6" Wide Enclosure - 3" Pole | N/A |
| PMKG-38 | For 8" Wide Enclosure - 3" Pole | N/A |
| PMKG-310 | For 10" Wide Enclosure - 3" Pole | N/A |
| PMKG-312 | For 12" Wide Enclosure - 3" Pole | N/A |
| PMKG-314 | For 14" Wide Enclosure - 3" Pole | N/A |
| PMKG-316 | For 16" Wide Enclosure - 3" Pole | N/A |
| PMKG-318 | For 18" Wide Enclosure - 3" Pole | N/A |
| PMKG-46 | For 6" Wide Enclosure - 4" Pole | N/A |
| PMKG-48 | For 8" Wide Enclosure - 4" Pole | N/A |
| PMKG-410 | For 10" Wide Enclosure - 4" Pole | N/A |
| PMKG-412 | For 12" Wide Enclosure - 4" Pole | N/A |
| PMKG-414 | For 14" Wide Enclosure - 4" Pole | N/A |
| PMKG-416 | For 16" Wide Enclosure - 4" Pole | N/A |
| PMKG-418 | For 18" Wide Enclosure - 4" Pole | N/A |
| PMKG-126 | For 6" Wide Enclosure - 12" Pole | N/A |
| PMKG-128 | For 8" Wide Enclosure - 12" Pole | N/A |
| PMKG-1210 | For 10" Wide Enclosure - 12" Pole | N/A |
| PMKG-1212 | For 12" Wide Enclosure - 12" Pole | N/A |
| PMKG-1214 | For 14" Wide Enclosure - 12" Pole | N/A |
| PMKG-1216 | For 16" Wide Enclosure - 12" Pole | N/A |
| PMKG-1218 | For 18" Wide Enclosure - 12" Pole | N/A |

## IMPACT SERIES ACCESSORIES

| Part Number | Description | Size (inches) |
|---|---|---|
| **Aluminum Back Panels** (Four mounting screws included) | | |
| ABP-44-IMP | Aluminum Back Panel for Impact® 4"x4" Enclosure | 3.50 x 3.50 |
| ABP-55-IMP | Aluminum Back Panel for Impact® 5"x5" Enclosure | 4.06 x 4.06 |
| ABP-64-IMP | Aluminum Back Panel for Impact® 6"x4" Enclosure | 3.05 x 5.05 |
| ABP-66-IMP | Aluminum Back Panel for Impact® 6"x6" Enclosure | 4.88 x 4.88 |
| ABP-86-IMP | Aluminum Back Panel for Impact® 8"x6" Enclosure | 6.75 x 4.88 |
| ABP-98-IMP | Aluminum Back Panel for Impact® 9"x8" Enclosure | 6.75 x 6.88 |
| ABP-108-IMP | Aluminum Back Panel for Impact® 10"x8" Enclosure | 8.75 x 6.88 |
| ABP-1210-IMP | Aluminum Back Panel for Impact® 12"x10" Enclosure | 10.75 x 8.88 |
| **Steel Back Panels** (Four mounting screws included) | | |
| SBP-44-IMP | Steel Back Panel for Impact® 4"x4" Enclosure | 3.50 x 3.50 |
| SBP-55-IMP | Steel Back Panel for Impact® 5"x5" Enclosure | 4.06 x 4.06 |
| SBP-64-IMP | Steel Back Panel for Impact® 6"x4" Enclosure | 3.05 x 5.05 |
| SBP-66-IMP | Steel Back Panel for Impact® 6"x6" Enclosure | 4.88 x 4.88 |
| SBP-86-IMP | Steel Back Panel for Impact® 8"x6" Enclosure | 6.75 x 4.88 |
| SBP-98-IMP | Steel Back Panel for Impact® 9"x8" Enclosure | 6.75 x 6.88 |
| SBP-108-IMP | Steel Back Panel for Impact® 10"x8" Enclosure | 8.75 x 6.88 |
| SBP-1210-IMP | Steel Back Panel for Impact® 12"x10" Enclosure | 10.75 x 8.88 |
| **PVC Back Panels** (Four mounting screws included) | | |
| PVCBP44-IMP | PVC Panel for Impact® 4"x4" Enclosure | 3.50 x 3.50 |
| PVCBP55-IMP | PVC Panel for Impact® 5"x5" Enclosure | 4.06 x 4.06 |
| PVCBP64-IMP | PVC Panel for Impact® 6"x4" Enclosure | 3.05 x 5.05 |
| PVCBP66-IMP | PVC Panel for Impact® 6"x6" Enclosure | 4.88 x 4.88 |
| PVCBP86-IMP | PVC Panel for Impact® 8"x6" Enclosure | 6.75 x 4.88 |
| PVCBP98-IMP | PVC Panel for Impact® 9"x8" Enclosure | 6.75 x 6.88 |
| PVCBP108-IMP | PVC Panel for Impact® 10"x8" Enclosure | 8.75 x 6.88 |
| PVCBP-1210-IMP | PVC Panel for Impact® 12"x10" Enclosure | 10.75 x 8.88 |
| **Aluminum Face Plates** | | |
| AFP44-IMP | Aluminum Face Plate for P4043 Enclosures | 4.29 x 4.29 |
| AFP55-IMP | Aluminum Face Plate for P5053 Enclosures | 4.92 x 4.92 |
| AFP64-IMP | Aluminum Face Plate for P6044 Enclosures | 5.92 x 3.92 |
| AFP66-IMP | Aluminum Face Plate for P6063 Enclosures | 5.93 x 5.93 |
| AFP86-IMP | Aluminum Face Plate for P8063 Enclosures | 7.93 x 5.93 |
| AFP108-IMP | Aluminum Face Plate for P1008 Enclosures | 9.88 x 7.88 |
| AFP1210-IMP | Aluminum Face Plate for P1210 Enclosures | 11.88 x 9.88 |
| **Steel Face Plates - White Powder Coating** | | |
| SFP44-IMP | Steel Powder Coated Face Plate for P4043 Enclosures | 4.29 x 4.29 |
| SFP55-IMP | Steel Powder Coated Face Plate for P5053 Enclosures | 4.92 x 4.92 |
| SFP64-IMP | Steel Powder Coated Face Plate for P6044 Enclosures | 5.92 x 3.92 |
| SFP66-IMP | Steel Powder Coated Face Plate for P6063 Enclosures | 5.93 x 5.93 |
| SFP86-IMP | Steel Powder Coated Face Plate for P8063 Enclosures | 7.93 x 5.93 |
| SFP108-IMP | Steel Powder Coated Face Plate for P1008 Enclosures | 9.88 x 7.88 |
| SFP1210-IMP | Steel Powder Coated Face Plate for P1210 Enclosures | 11.88 x 9.88 |

## IMPACT SERIES ACCESSORIES (CONT.)

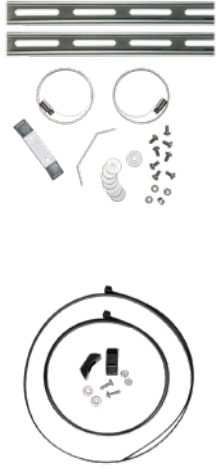| | Part Number | Description | Size (inches) |
|---|---|---|---|
| **Face Plate Kits and Parts** | | | |
| | CB43-IMP* | Support Rails and Screws for P4043 face plate (panel not included) | N/A |
| | CB53-IMP* | Support Rails and Screws for P5053 face plate (panel not included) | N/A |
| | CB64-IMP* | Support Rails and Screws for P6044 face plate (panel not included) | N/A |
| Face Plate Kit for P4043, P5053 & P6044 Enclosures | AFPK44-IMP* | Aluminum Face Plate Kit for P4043 (Includes Panel and Support Kit) | N/A |
| | AFPK55-IMP* | Aluminum Face Plate Kit for P5053 (Includes Panel and Support Kit) | N/A |
| | AFPK64-IMP* | Aluminum Face Plate Kit for P6044 (Includes Panel and Support Kit) | N/A |
| | AFPK66-IMP | Aluminum Face Plate Kit for P6063 (Includes Panel and Hardware) | N/A |
| | AFPK86-IMP | Aluminum Face Plate Kit for P8063 (Includes Panel and Hardware) | N/A |
| | AFPK108-IMP | Aluminum Face Plate Kit for P1008 (Includes Panel and Hardware) | N/A |
| | AFPK1210-IMP | Aluminum Face Plate Kit for P1210 (Includes Panel and Hardware) | N/A |
| Face Plate Kit for P6063, P8063 Enclosures | SFPK44-IMP* | Steel Face Plate Kit for P4043 (Includes Panel and Support Kit) | N/A |
| | SFPK55-IMP* | Steel Face Plate Kit for P5053 (Includes Panel and Support Kit) | N/A |
| | SFPK64-IMP* | Steel Face Plate Kit for P6044 (Includes Panel and Support Kit) | N/A |
| | SFPK66-IMP | Steel Face Plate Kit for P6063 (Includes Panel and Hardware) | N/A |
| | SFPK86-IMP | Steel Face Plate Kit for P8063 (Includes Panel and Hardware) | N/A |
| | SFPK108-IMP | Steel Face Plate Kit for P1008 (Includes Panel and Hardware) | N/A |
| | SFPK1210-IMP | Steel Face Plate Kit for P1210 (Includes Panel and Hardware) | N/A |
| **Swing Panels (Hardware Not Included)** | | | |
| | ASWP66-IMP | Aluminum Swing Panel for P6063 Enclosures | 5.90 x 5.38 |
| | ASWP86-IMP | Aluminum Swing Panel for P8063 Enclosures | 7.38 x 5.93 |
| | SSWP66-IMP | Steel Swing Panel for P6063 Enclosures | 5.90 x 5.38 |
| | SSWP86-IMP | Steel Swing Panel for P8063 Enclosures | 7.38 x 5.90 |
| **Swing Panel Kits and Parts** | | | |
| | SOPK66-86-IMP | Swing Panel Hardware Kit for P6063 and P8063 (Panel Not Included) | N/A |
| | ASWPK66-IMP | Aluminum Swing Panel Kit for P6063 (Includes Panel and Hardware) | N/A |
| | ASWPK86-IMP | Aluminum Swing Panel Kit for P8063 (Includes Panel and Hardware) | N/A |
| | ABP-108-USOPK | Aluminum Swing Panel Kit for P1008 (Panel and Hardware) | N/A |
| | ABP-1210-USOPK | Aluminum Swing Panel Kit for P1210 (Panel and Hardware) | N/A |
| | SSWPK66-IMP | Steel Swing Panel Kit for P6063 (Includes Panel and Hardware) | N/A |
| | SSWPK86-IMP | Steel Swing Panel Kit for P8063 (Includes Panel and Hardware) | N/A |
| | SBP-108-USOPK | Steel Swing Panel Kit for P1008 (Panel and Hardware) | N/A |
| | SBP-1210-USOPK | Steel Swing Panel Kit for P1210 (Panel and Hardware) | N/A |

**\* Patent # 10,516,256**

## IMPACT SERIES ACCESSORIES (CONT.)

| Part Number | Description | Size (inches) |
|---|---|---|
| **Replacement Covers** (Includes Cover with Gasket - Hasp Latches Not Included) | | |
| P44CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 4 x 4 |
| P44CHC-RPL | Standard hinge \| Clear \| Integrated latch | 4 x 4 |
| P44CHOLL-RPL | Standard hinge \| Opaque \| Hasp latch | 4 x 4 |
| P44CHCLL-RPL | Standard hinge \| Clear \| Hasp latch | 4 x 4 |
| P44CLPO-RPL | Low profile hinge \| Opaque \| Integrated latch | 4 x 4 |
| P44CLPC-RPL | Low profile hinge \| Clear \| Integrated latch | 4 x 4 |
| P44CLPOLL-RPL | Low profile hinge \| Opaque \| Hasp latch | 4 x 4 |
| P44CLPCLL-RPL | Low profile hinge \| Clear \| Hasp latch | 4 x 4 |
| P55CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 5 x 5 |
| P55CHC-RPL | Standard hinge \| Clear \| Integrated latch | 5 x 5 |
| P55CHOLL-RPL | Standard hinge \| Opaque \| Hasp latch | 5 x 5 |
| P55CHCLL-RPL | Standard hinge \| Clear \| Hasp latch | 5 x 5 |
| P55CLPO-RPL | Low profile hinge \| Opaque \| Integrated latch | 5 x 5 |
| P55CLPC-RPL | Low profile hinge \| Clear \| Integrated latch | 5 x 5 |
| P55CLPOLL-RPL | Low profile hinge \| Opaque \| Hasp latch | 5 x 5 |
| P55CLPCLL-RPL | Low profile hinge \| Clear \| Hasp latch | 5 x 5 |
| P64CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 6 x 4 |
| P64CHC-RPL | Standard hinge \| Clear \| Integrated latch | 6 x 4 |
| P64CHOLL-RPL | Standard hinge \| Opaque \| Hasp latch | 6 x 4 |
| P64CHCLL-RPL | Standard hinge \| Clear \| Hasp latch | 6 x 4 |
| P64CLPO-RPL | Low profile hinge \| Opaque \| Integrated latch | 6 x 4 |
| P64CLPC-RPL | Low profile hinge \| Clear \| Integrated latch | 6 x 4 |
| P64CLPOLL-RPL | Low profile hinge \| Opaque \| Hasp latch | 6 x 4 |
| P64CLPCLL-RPL | Low profile hinge \| Clear \| Hasp latch | 6 x 4 |
| P66CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 6 x 6 |
| P66CHC-RPL | Standard hinge \| Clear \| Integrated latch | 6 x 6 |
| P66CHOLL-RPL | Standard hinge \| Opaque \| Hasp latch | 6 x 6 |
| P66CHCLL-RPL | Standard hinge \| Clear \| Hasp latch | 6 x 6 |
| P66CLPO-RPL | Low profile hinge \| Opaque \| Integrated latch | 6 x 6 |
| P66CLPC-RPL | Low profile hinge \| Clear \| Integrated latch | 6 x 6 |
| P66CLPOLL-RPL | Low profile hinge \| Opaque \| Hasp latch | 6 x 6 |
| P66CLPCLL-RPL | Low profile hinge \| Clear \| Hasp latch | 6 x 6 |
| P86CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 8 x 6 |
| P86CHC-RPL | Standard hinge \| Clear \| Integrated latch | 8 x 6 |
| P86CHOLL-RPL | Standard hinge \| Opaque \| Hasp latch | 8 x 6 |
| P86CHCLL-RPL | Standard hinge \| Clear \| Hasp latch | 8 x 6 |
| P86CLPO-RPL | Low profile hinge \| Opaque \| Integrated latch | 8 x 6 |
| P86CLPC-RPL | Low profile hinge \| Clear \| Integrated latch | 8 x 6 |

## IMPACT SERIES ACCESSORIES (CONT.)

| Part Number | Description | Size (inches) |
|---|---|---|
| **Replacement Covers** (Includes Cover with Gasket - Hasp Latches Not Included) | | |
| P86CLPOLL-RPL | Low profile hinge \| Opaque  Hasp latch | 8 x 6 |
| P86CLPCLL-RPL | Low profile hinge \| Clear \| Hasp latch | 8 x 6 |
| P98CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 9 x 8 |
| P98CHC-RPL | Standard hinge \| Clear \| Integrated latch | 9 x 8 |
| P108CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 10 x 8 |
| P108CHC-RPL | Standard hinge \| Clear \| Integrated latch | 10 x 8 |
| P108CHOLL-RPL | Standard hinge \| Opaque \| Hasp latch | 10 x 8 |
| P108CHCLL-RPL | Standard hinge \| Clear \| Hasp latch | 10 x 8 |
| P108CLPO-RPL | Low profile hinge \| Opaque \| Integrated latch | 10 x 8 |
| P108CLPC-RPL | Low profile hinge \| Clear \| Integrated latch | 10 x 8 |
| P108CLPOLL-RPL | Low profile hinge \| Opaque \| Hasp latch | 10 x 8 |
| P108CLPCLL-RPL | Low profile hinge \| Clear \| Hasp latch | 10 x 8 |
| P1210CHO-RPL | Standard hinge \| Opaque \| Integrated latch | 12 x 10 |
| P1210CHC-RPL | Standard hinge \| Clear \| Integrated latch | 12 x 10 |
| P1210CHOLL-RPL | Standard hinge \| Opaque \| Hasp latch | 12 x 10 |
| P1210CHCLL-RPL | Standard hinge \| Clear \| Hasp latch | 12 x 10 |
| P1210CLPO-RPL | Low profile hinge \| Opaque \| Integrated latch | 12 x 10 |
| P1210CLPC-RPL | Low profile hinge \| Clear \| Integrated latch | 12 x 10 |
| P1210CLPOLL-RPL | Low profile hinge \| Opaque \| Hasp latch | 12 x 10 |
| P1210CLPCLL-RPL | Low profile hinge \| Clear \| Hasp latch | 12 x 10 |
| **Pole Mounting Kits** | | |
| PMKG-25-IMP | For 5" Enclosure - 2" pole | N/A |
| PMKG-26-IMP | For 6" Enclosure - 2" pole | N/A |
| PMKG-28-IMP | For 8" Enclosure - 2" pole | N/A |
| PMKG-210-IMP | For 10" Enclosure - 2" pole | N/A |
| PMKG-35-IMP | For 5" Enclosure - 3" pole | N/A |
| PMKG-36-IMP | For 6" Enclosure - 3" pole | N/A |
| PMKG-38-IMP | For 8" Enclosure - 3" pole | N/A |
| PMKG-310-IMP | For 10" Enclosure - 3" pole | N/A |
| PMKG-45-IMP | For 5" Enclosure - 4" pole | N/A |
| PMKG-46-IMP | For 6" Enclosure - 4" pole | N/A |
| PMKG-48-IMP | For 8" Enclosure - 4" pole | N/A |
| PMKG-410 | For 10" Enclosure - 4" pole | N/A |
| PMKG-125-IMP | For 5" Enclosure - 10" to 12" pole | N/A |
| PMKG-126-IMP | For 6" Enclosure - 10" to 12" pole | N/A |
| PMKG-128-IMP | For 8" Enclosure - 10" to 12" pole | N/A |
| PMKG-1210-IMP | For 10" Enclosure - 10" to 12" pole | N/A |
| CAMKG-610-IMP | 6" Cross Arm Pole Mount Kit for P9082 | N/A |
| PMKG-2346-IMP | Universal Pole Mount Kit for all Impact Enclosures. For 2"-6" Pole | N/A |
| PMKG-12-IMP | Universal Pole Mount Kit for all Impact Enclosures. For 12" Pole | N/A |

## IMPACT SERIES ACCESSORIES (CONT.)

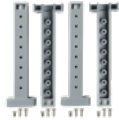| Part Number | Description | Size (inches) |
|---|---|---|
| **Miscellaneous Accessories** | | |
| DIN4-IMP | DIN Rail Kit 4" (2 rails, 4 tapping screws) | 3.82 x 1.39 |
| DIN5-IMP | DIN Rail Kit 5" (2 rails, 4 tapping screws) | 4.88 x 1.39 |
| DIN6-IMP | DIN Rail Kit 6" (2 rails, 4 tapping screws) | 4.50 x 1.39 |
| DIN8-IMP | DIN Rail Kit 8" (2 rails, 4 tapping screws) | 6.75 x 1.39 |
| DIN10-IMP | DIN Rail Kit 10" (2 rails, 4 tapping screws) | 8.75 x 1.39 |
| KIT-FAN-120VAC-30 | Fan Kit - 120 VAC | N/A |
| KIT-FAN-120VAC-84 | Fan Kit - 120 VAC | N/A |
| KIT-FAN-12VDC-135 | Fan Kit - 12 VDC | N/A |
| KIT-FAN-12VDC-49 | Fan Kit - 12 VDC | N/A |
| KIT-FAN-24VDC-135 | Fan Kit - 24 VDC | N/A |
| KIT-FAN-24VDC-49 | Fan Kit - 24 VDC | N/A |
| KIT-FAN-48VDC-135 | Fan Kit - 48 VDC | N/A |
| KIT-FAN-48VDC-50 | Fan Kit - 48 VDC | N/A |
| KIT-NMLL-063 | Non-Metallic Latch Kit - For Impact® (except P9082) includes 1 latch | N/A |
| SP-8 | Screw Pack - 10 pcs - For Impact® line P4043-P8063 bosses | N/A |
| SP-10I | Screw Pack - 10 pcs - For Impact® P9082-P12104 bosses | N/A |
| SSLL-KIT | Stainless Steel Locking Latch Kit (includes one latch with hardware) | N/A |
| Vent 2 | Outdoor Labyrinth Vent | N/A |
| Vent 3 | 3" Aluminum Louvered Vent | N/A |

## GENESIS SERIES ACCESSORIES

| Part Number | Description | Size (inches) |
|---|---|---|
| **Back Panels** (Four mounting screws included) | | |
| ABP-2016 | Aluminum back panel for G201608 | 18.88 x 14.88 |
| ABP-2016-XL | Aluminum back panel for G201608 | 19.40 x 15.40 |
| ABP-2016-XXL | Aluminum back panel for G201608 | 21.09 x 17.09 |
| ABP-2424 | Aluminum back panel for G242410 | 21 x 21 |
| ABP-2424-XL | Aluminum back panel for G242410 | 22.13 x 22.13 |
| ABP-2424-XXL | Aluminum back panel for G242410 | 23.25 x 23.25 |
| SBP-2016 | Steel back panel for G201608 | 18.88 x 14.88 |
| SBP-2016-XL | Steel back panel for G201608 | 19.40 x 15.40 |
| SBP-2016-XXL | Steel back panel for G201608 | 21.09 x 17.09 |
| SBP-2424 | Steel back panel for G242410 | 21 x 21 |
| SBP-2424-XL | Steel back panel for G242410 | 22.13 x 22.13 |
| SBP-2424-XXL | Steel back panel for G242410 | 23.25 x 23.25 |
| PVCBP-2016 | PVC back panel for G201608 | 18.88 x 14.88 |
| PVCBP-2424 | PVC back panel for G242410 | 21 x 21 |
| **Side Panels** | | |
| ASP-2016 | Aluminum side panel for G201608 | 6.25 x 15 |
| ASP-2424 | Aluminum side panel for G242410 | 7.88 x 21.75 |
| SSP-2016 | Steel side panel for G201608 | 6.25 x 15 |
| SSP-2424 | Steel side panel for G242410 | 7.88 x 21.75 |
| **Swing Panel Kits & Parts** | | |
| ABP-2016-GSOPK | Aluminum Swing Panel Kit for G201608 (Panel and Hardware) | N/A |
| ABP-2424-GSOPK | Aluminum Swing Panel Kit for G242410 (Panel and Hardware) | N/A |
| SBP-2016-GSOPK | Steel Swing Panel Kit for G201608 (Panel and Hardware) | N/A |
| SBP-2424-GSOPK | Steel Swing Panel Kit for G242410 (Panel and Hardware) | N/A |
| GSOPK20 | 20" Aluminum Hinge for Swing Panel | N/A |
| GSOPK24 | 24" Aluminum Hinge for Swing Panel | N/A |
| **Pole Mounting Kit** | | |
| PMKG-224 | For 24" Wide Enclosure - 2" Pole | N/A |
| PMKG-324 | For 24" Wide Enclosure - 3" Pole | N/A |
| PMKG-424 | For 24" Wide Enclosure - 4" Pole | N/A |
| PMKG-1224 | For 24" Wide Enclosure - 10" to 12" Pole | N/A |
| PMKG-216-GEN | For 16" Wide Enclosure - 2" Pole | N/A |
| PMKG-316-GEN | For 16" Wide Enclosure - 3" Pole | N/A |
| PMKG-416-GEN | For 16" Wide Enclosure - 4" Pole | N/A |
| PMKG-1216-GEN | For 16" Wide Enclosure - 10 to 12" Pole | N/A |
| PMKG-234-16-GEN | Universal Mount for 16" Wide Enclosures - 2" , 3" or 4" Pole | N/A |
| PMKG-234-24 | Universal Mount for 24" Wide Enclosures - 2" , 3" or 4" Pole | N/A |

## GENESIS SERIES ACCESSORIES (CONT.)

| | Part Number | Description | Size (inches) |
|---|---|---|---|
| **Replacement Covers** (Includes Cover with Gasket - Hinge Pin and Latches Not Included) | | | |
| | G2016CHO-RPL | Opaque Cover for G201608 | 20 x 16 |
| | G2016CHC-RPL | Clear Cover for G201608 | 20 x 16 |
| | G2424CHO-RPL | Opaque Cover for G242410 | 24 x 24 |
| | G2424CHC-RPL | Clear Cover for G242410 | 24 x 24 |
| **Miscellaneous Accessories** | | | |
| Fan Shroud Kits | DIN16-GEN | DIN Rail Kit 16" (2 rails, 4 screws) | N/A |
| | DIN24 | DIN Rail Kit 24" (2 rails, 4 screws) | N/A |
| | FS-KIT-1 | Fan Shroud Kit- 1 piece (includes gasket and screws) | N/A |
| | FS-KIT-2 | Fan Shroud Kit- 2 piece (includes gasket and screws) | N/A |
| Multi-Max Rails® | FSFK1-G | Fan Shroud Vent Filter Kit - 1 piece (includes Gasket and Screws) | N/A |
| | FSFK2-G | Fan Shroud Vent Filter Kit - 2 piece (Includes Gasket and Screws) | N/A |
| | GMFLK-Screws | Mounting Flange Screws - Set of 10 screws | N/A |
| | GMFLK24-Set | 24"x24"x10" Mounting Flange Set (set of 2 plus hardware) | N/A |
| | GMMR-Screws | Multi Max Rail® screws - Set of 12 screws | N/A |
| Multi-Max Frame | GSP10 | Self-Tapping Screws for Bosses - 10 Pack | N/A |
| | GSR2016 | 20"x16"x08" Multi-Max Frame Stiffener Ring | N/A |
| | GSR2424 | 24"x24"x10" Multi-Max Frame Stiffener Ring | N/A |
| Door Stop Kit | KIT-DOOR-STOP | Door Stop Kit for Genesis Enclosures | N/A |
| | KIT-GMMR8 | Multi-Max Rails® with screws - 8" depth (set of 4 with screws) | N/A |
| | KIT-GMMR10 | Multi-Max Rails® with screws - 10" depth (set of 4 with screws) | N/A |
| | KIT-GPCL-2PK | Non-Metallic Latches (package containing 2 latches) for 20"x16"x08" | N/A |
| | KIT-GPCL-4PK | Non-Metallic Latches (package containing 4 latches) for 24"x24"x10" | N/A |
| Panel Pad Kit | KIT-GPP-2016 | Panel Pad Kit - (four panel brackets) for Genesis 20"x16"x08" | N/A |
| | KIT-GPP-2424 | Panel Pad Kit - (four panel brackets) for Genesis 24"x24"x10" | N/A |
| | KIT-ACCS-G201608 | Multi-Max Rails®, Stiffener Ring, Panel Pad Kit and hardware for G201608 | N/A |
| | KIT-ACCS-G242410 | Multi-Max Rails®, Stiffener Ring, Panel Pad Kit and hardware for G242410 | N/A |
| Fan Filter Kits | KIT-FAN-120VAC-30 | Fan Kit - 120 VAC | N/A |
| | KIT-FAN-120VAC-84 | Fan Kit - 120 VAC | N/A |
| | KIT-FAN-12VDC-135 | Fan Kit - 12 VDC | N/A |
| | KIT-FAN-12VDC-49 | Fan Kit - 12 VDC | N/A |
| | KIT-FAN-24VDC-135 | Fan Kit - 24 VDC | N/A |
| | KIT-FAN-24VDC-49 | Fan Kit - 24 VDC | N/A |
| | KIT-FAN-48VDC-135 | Fan Kit - 48 VDC | N/A |
| | KIT-FAN-48VDC-50 | Fan Kit - 48 VDC | N/A |
| Literature Tray | 9920236-LT | Large Integra Literature Tray - Black | N/A |
| | 9920236-BLANK-LT | Large Literature Tray - Black | N/A |
| | 9920237-LT | Small Integra Literature Tray - Black | N/A |
| | 9920237-BLANK-LT | Small Literature Tray - Black | N/A |

## STRONGBOX SERIES ACCESSORIES

| Part Number | Description | Size (inches) |
|---|---|---|
| **Miscellaneous Accessories** | | |
| NEMA-MTKIT | Stainless Steel Bolt-On Tabs with Screws | N/A |
| 9920236-LT | Large Integra Literature Tray - Black | N/A |
| 9920236-BLANK-LT | Large Literature Tray - Black | N/A |
| 9920237-LT | Small Integra Literature Tray - Black | N/A |
| 9920237-BLANK-LT | Small Literature Tray - Black | N/A |
| QTL-SLOT-177 | Quarter Turn Latch Assembly | N/A |
| QTL-SLOT-256 | Quarter Turn Latch Assembly | N/A |
| KIT-FAN-120VAC-30 | Forced Air Fan Kit - 120 VAC | N/A |
| KIT-FAN-120VAC-84 | Forced Air Fan Kit - 120 VAC | N/A |
| KIT-FAN-12VDC-135 | Forced Air Fan Kit - 12 VAC | N/A |
| KIT-FAN-12VDC-49 | Forced Air Fan Kit - 12 VAC | N/A |
| KIT-FAN-24VDC-135 | Forced Air Fan Kit - 24 VAC | N/A |
| KIT-FAN-24VDC-49 | Forced Air Fan Kit - 24 VAC | N/A |
| KIT-FAN-48VDC-135 | Forced Air Fan Kit - 48 VAC | N/A |
| KIT-FAN-48VDC-50 | Forced Air Fan Kit - 48 VAC | N/A |
| **Galvanealed Steel Panels for Component Installation** | | |
| PNLB1008GVN | Galvanealed Steel Panel for 10x8 Strongbox enclosure | 8 x 6 |
| PNLB1210GVN | Galvanealed Steel Panel for 12x10 Strongbox enclosure | 10 x 8 |
| PNLB1412GVN | Galvanealed Steel Panel for 14x12 Strongbox enclosure | 12 x 10 |
| PNLB2016GVN | Galvanealed Steel Panel for 20x16 Strongbox enclosure | 18 x 14 |
| PNLB2020GVN | Galvanealed Steel Panel for 20x20 Strongbox enclosure | 18 x 18 |
| PNLB2420GVN | Galvanealed Steel Panel for 24x20 Strongbox enclosure | 22 x 18 |
| PNLB2424GVN | Galvanealed Steel Panel for 24x24 Strongbox enclosure | 22 x 22 |
| PNLB3024GVN | Galvanealed Steel Panel for 30x24 Strongbox enclosure | 28 x 22 |
| PNLB3630GVN | Galvanealed Steel Panel for 36x30 Strongbox enclosure | 34 x 28 |

Bolt On Tabs

Literature Tray

Quarter Turn Latch

Forced Air Fan Kits

## NEMA ENCLOSURE RATINGS

| | | INDOOR USE | | | | | OUTDOOR USE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Type 1 | Type 2 | Type 5 | TypeS 12/12K | Type 13 | Type 3 | Type 3S | Type 3X | Type 3SX | Type 3R | TYPE 3RX | Type 4 | Type 4X | Type 6 | Type 6P |
| **SOLIDS** | INCIDENTAL CONTACT | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | FALLING DIRT | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | CIRCULATING DUST | | | | ● | ● | | | | | | | ● | ● | ● | ● |
| | SETTLING AIRBORNE DUST | | | ● | ● | ● | | | | | | | ● | ● | ● | ● |
| | WINDBLOWN DUST | | | | | | ● | ● | ● | ● | | | ● | ● | ● | ● |
| **LIQUIDS** | LIGHT SPLASH | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | HOSEDOWN & SPLASH | | | | | | | | | | | | ● | ● | ● | ● |
| | TEMPORARY SUBMERSION | | | | | | | | | | | | | | ● | ● |
| | PROLONGED SUBMERSION | | | | | | | | | | | | | | | ● |
| | RAIN, SNOW & SLEET | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | ICE LADEN | | | | | | | ● | | ● | | | | | | |
| **CHEMICALS** | OIL & COOLANT SEEPAGE | | | | ● | ● | | | | | | | | | | |
| | OIL & COOLANT SPLASH | | | | | ● | | | | | | | | | | |
| | CORROSION | | | | | | | | ● | ● | | ● | | ● | | ● |
| | Comparable IP Rating | IP 20 | IP 22 | IP 53 | IP 54 | | IP 55 | | | | IP 24 | | IP 66 | | IP 67 | IP 68 |

An Enclosure is a surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.

**Type 1 –** Intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt.

**Type 3 –** Intended for outdoor use primarily to provide a degree of protection against rain, sleet, wind blown dust, and damage from external ice formation.

**Type 3R –** Intended for outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.

**Type 3S –** Intended for use primarily to provide a degree of protection against rain, sleet, windblown dust and to provide for operation of external mechanisms when ice laden.

**Type 4 –** Intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.

**Type 4X –** Intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.

**Type 6/6P –** Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, and the entry of water during occasional temporary submersion at a limited depth and damage from external ice formation. Integra 6P enclosures are tested for up to 6ft of water for up to 24 hours.

**Type 12/12K –** Intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.

**Type 13 –** Intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolants.

**1) Q: What is included with a standard Integra enclosure?**

**A:** Each enclosure is shipped with the base and cover assembled and cover gasket installed. Premium enclosures come with a set of cover screws and hole plugs as well as mounting feet and screws. Genesis enclosures come with MultiMax Rail System and mounting flanges.

**2) Q: Are the enclosures watertight (NEMA 4X)?**

**A:** Yes. All Integra enclosures have a minimum NEMA 4X rating.  NEMA 6P rated enclosures are also available, allowing for temporary submersion up to 6 feet for up to 24 hours.

**3) Q: What colors are available?**

**A:** Standard color for polycarbonate enclosures is gloss gray but we do stock select sizes in white or black as well. For custom molded color, please refer to page 6 or contact customerservice@integraenclosures.com for a quote.

**4) Q: Are the enclosures UL-listed? How about Canada?**

**A:** Premium, Impact®, and Genesis Series enclosures are listed as UL-50E, Cabinet and Cutout Boxes. Our file number is E207562. Integra is also C-UL Listed for use in Canada and we are Marine Listed for coastal or marine applications.

**5) Q: I notice that the covers and sidewalls are not flat. Why is that, and does the shape preclude the installation of hubs and components?**

**A:** The covers and sidewalls of all Integra Premium line enclosures are slightly convex. This design creates a much stronger box that is better suited to protect in all environments. "Flat" non-metallic boxes can become warped over time which will cause the box to not seal properly. Integra's innovative design resists warping, creating a water tight seal that lasts!

**6) Q: Are modifications available?**

**A:** Yes, modifications such as machined holes or slots are available on all polycarbonate enclosures. You can also request access to CAD drawings of our enclosures to plan your exact modifications. visit www.IntegraEnclosures.com to register for drawing access and request a custom quote.

Integra can also provide latch installation, DIN-rail installation, or back panel installation. Contact customerservice@integraenclosures.com for more information and a quote.

**7) Q: Are back panels available from Integra?**

**A:** Yes, we offer back panels in coated steel, bare aluminum, PVC and galvannealed steel.

**8) Q: If I use DIN-rail mounted components, will I need a back panel?**

**A:** Probably not. All Integra enclosures feature molded-in mounting bosses at intervals of approximately 1 inch, located around the entire perimeter of the enclosure base. This allows you to install DIN rails at virtually any location, avoiding the need and expense of a back panel.

**9) Q: How does the Integra Back Panel Adjustment System work?**

**A**: The Integra Back Panel Adjustment System consists of four mounting pads that slide on T-shaped rails molded into the four corners of the enclosure base. The mounting pads, which are provided with brass threaded inserts  for panel attachment, are held in place by inserting a set screw (BPAK part numbers) or a thumb screws (UBPAK part numbers). These screws lock tight against the T-Rails, keeping your panel in the desired location.

**10) Q: What if I buy an opaque cover enclosure and decide later that I really want a clear cover?**

**A:** You can order clear covers, with gaskets installed, and easily replace it in the field.

**11) Q: What are the advantages of the Integra product over the fiberglass product I am buying now?**

**A**: There are several important advantages:
- The engineered polycarbonate enclosure has dramatically better impact resistance. For example, Integra polycarbonate enclosures have an impact resistance of over 900 in-lbs, while fiberglass typically has an impact resistance of less than 220 in-lbs.
- Polycarbonate enclosures are available with a clear cover. For a fiberglass product, an expensive and potentially leaky window installation is required.
- Polycarbonate enclosures feature a 100% non-metallic hinge design. Fiberglass products normally feature a steel hinge pin that will eventually corrode.
- Polycarbonate enclosures tend to offer more features inside the enclosure to support component installation. For example, fiberglass products tend to have only four mounting bosses on the base of the box. Integra products feature those same four mounting bosses, plus molded-in mounting bosses surrounding the perimeter of the enclosure. Integra also offers the patented Back Panel Adjustment System, which eliminates the need for expensive stand-offs and allows for the installation of multiple panels.
- Polycarbonate enclosures are much easier and safer to machine, with none of the dust and splintering associated with fiberglass.
- Fiberglass enclosures will "bloom" when exposed to sunlight. In fact, manufacturers of FRP enclosures recommend painting their products. This is not necessary with Integra polycarbonate enclosures.

**12) Q: I notice that the enclosures are not metric. Why not, and how do you address this concern?**

**A:** Integra provides "dual-dimension" data for our line of enclosures. Also, note that our "DIN rail friendly" design speaks directly to the need for European-designed components and the spreading use of DIN rail mounted components.

**13) Q: Can Integra enclosure products be mounted underwater or underground?**

**A:** Integra offers multiple configurations of NEMA 6P / IP68 rated enclosures which can offer protection in underground vaults and other locations that have the potential to flood. Integra 6P rated enclosures remain water tight in up to 6 feet of water for up to 24 hours.

**14) Q: What kind of thread locker can be used on Integra enclosures?**

**A: Chemical -** Chemical thread locking compounds are not recommended. Anti-seize thread release agents are also not recommended.
**Mechanical -** A mechanical thread locking device is acceptable, such as a lock washer, provided a flat washer is used between the locking element and polycarbonate.

**15) Q: What are the torque specifications for Integra enclosures?**

**A: Mounting Feet/Flange -** 25-30 in-lbs.
**Back Panel -** 10-15 in-lbs.
**Enclosure Cover -** 8-10 in-lbs.

**16) Q: How do I clean an Integra enclosure?**

**A:** Only light soapy water is recommended to clean your polycarbonate enclosure.

**1) Q: What is included with a standard Integra stainless steel enclosure?**

**A:** Unless specified otherwise, each enclosure is shipped assembled with the base and cover made of 304 stainless steel and polyurethane foam-in-place gasket. The enclosure also comes with a quarter-turn latch, rivet nuts and bolt-on mounting tabs, removable 316 Stainless Steel hinge (Pinge™), B.P. standoffs and grounding lugs.

**2) Q: Are the enclosures watertight (NEMA 4X)?**

**A:** Yes, all Integra stainless steel enclosures are NEMA 4X rated. Aluminum enclosures require powder coating to be NEMA 4X rated.

**3) Q: What colors are available?**

**A:** Stainless steel enclosures are finished with #4 grade finish. Aluminum enclosures have a mill finish unless powder coated. Custom powder coated color is available. Contact us directly for a quote.

**4) Q: Are the enclosures UL-listed? How about Canada?**

**A:** Integra's metal NEMA 4X enclosures are constructed in accordance with the UL508A Standard for Industrial Control Panels and CSA C22.2 Industrial Control Equipment and are both UL and C-UL listed for use in the US and Canada.

**5) Q: Are modifications available?**

**A:** Full modification services are available at Integra to ensure your enclosure has the required dimensions, accessories and holes you need. Modifications are made during assembly, and include but are not limited to: custom sizing, custom machining, custom back panels, multiple mounting options, latching options and hinging options. Call us to discuss your unique requirements.

**6) Q: Are back panels available from Integra?**

**A:** Yes, we offer back panels in stainless steel, painted carbon steel, aluminum, and galvanneal. We also offer custom back panels. Contact us directly for a quote.

**7) Q: Why does my enclosure have rust spots on it?**

**A:** Discoloration on outdoor enclosures is typically caused by environmental exposure factors such as soil, saltwater,and fertilizer that contain iron particles that can collect on the enclosure surfaces and cause discoloration. This is not the stainless steel rusting; these compounds can collect along welded seams because the welding/polishing process and can create a slight magnetic pull. We recommend a thorough cleaning immediately after installation to ensure the stainless steel is clean and free of oils and other contaminants. Chemical exposure is a different category and should be evaluated on a case to case basis.

**8) Q: What type of materials are available to manufacture my enclosure?**

**A:** Integra offers multiple material options for your enclosure, including 304 stainless steel, 316 stainless steel, and 5052-H32 aluminum. Please contact factory if you have other requirements.

**9) Q: Can you label, print, laser etch, or silk screen my stainless steel enclosure?**

**A:** Yes, multiple decoration methods are available. Please contact the factory directly for a quote.

**10) Q: What does it mean if my enclosure is made with 14 gauge or 16 gauge material?**

**A:** Gauge refers to the thickness of the stainless steel material being used. Depending on the size of your enclosure, the gauge varies.

| Stainless Steel Gauge Number | Inches | Millimeter |
|---|---|---|
| 14 | .07812 | 1.984 |
| 16 | .0625 | 1.587 |

**11) Q: What is the largest enclosure you can manufacture?**

**A:** Integra manufactures custom enclosures up to 72" tall. However, we have the capabilities to manufacture a wide variety of sizes. Please contact the factory directly for size inquiries.

**12) Q: What is the best way to send you a drawing of my enclosure design?**

**A:** We accept drawings in the format of a PDF, DWG, STP, or AutoCAD drawing. If these options aren't available, email customerservice@integraenclosures.com a photo or copy of your hand drawn drawing and we will configure it. Our engineering team will work with you on the drawing until it is approved.

**13) Q: Are there any restrictions on the amount or size of my custom hole pattern?**

**A:** There are no restrictions to the amount or size of the machined hole patterns, as long as the cutouts remain within the hole-to-edge limitations. Below is a table of the minimum hole-to-edge distance for custom machined cutouts. This prevents deformation of the cutout during forming.

| Material Thickness | Min. Hole-To-Edge Distance |
|---|---|
| 0.060 in. | 0.180 in. |
| 0.075 in. | 0.225 in. |
| 0.090 in. | 0.270 in. |
| 0.105 in. | 0.315 in. |

**14) Q: What is your lead time for a custom enclosure?**

**A:** All lead times start from when our customer service team receives the purchase order. Please contact factory for current lead times.

**15) Q: How is my enclosure packaged and shipped?**

**A:** Standard packaging is one unit per carton, packed to ensure safe delivery to your location. If you have any special requirements for shipping, contact us and we can work to meet your requirements. Integra Enclosures is not responsible for lost or damaged product during shipment.

**16) Q: Are PEMs NEMA 4X rated?**

**A:** PEMs by themselves are not 4X rated. However, a 4X rating can be achieved using powder coated PEMs. Other 4X rated options include CD studs and rivet nuts. Please contact the factory directly with any additional questions and refer to page 93 for NEMA rating details.

**WARNING!**: Variations in chemical behavior during handling due to factors such as temperature, pressure, and concentration can cause equipment to fail, even though it passed an initial test. **SERIOUS INJURY MAY RESULT!** Use suitable guards and/or personal protection when handling chemicals. The information in this chart has been supplied by reputable sources and is to be used ONLY as a guide in selecting equipment for appropriate compatibility. Before permanent installation test the equipment with the chemicals and under the specific conditions of your application. Ratings of chemical behavior listed in this chart apply to a 48-hr exposed period. There is no knowledge of possible effects beyond this period. This does not warrant (neither express nor implied) that the information in this chart is accurate or complete or that any material is suitable for any purpose.

S = Satisfactory and completely unaffected
M = Moderate resistance

L = Limited resistance/some chemical attack over time
U = Unsatisfactory. Severe attack in a short time

| CHEMICAL | POLYCARBONATE | ABS | POLYESTER GLASS | STAINLESS STEEL | STEEL |
|---|---|---|---|---|---|
| Acetic Acid (10%) | S | L | S | U | U |
| Acetone | U | U | U | S | S |
| Aluminum Chloride (10%) | S | S | S | S | U |
| Aluminum Sulfate (10%) | S | S | S | S | U |
| Ammonia Gas | - | - | L | S | S |
| Ammonium Chloride | S | S | L | M | S |
| Ammonium Hydroxide (10%) | U | M | L | S | U |
| Ammonium Nitrate (10%) | U | - | L | S | D |
| Ammonium Phosphate (10%) | S | S | S | S | U |
| Ammonium Sulfate | - | S | S | M | U |
| ASTM #1 Oil | M | L | - | S | S |
| ASTM #3 Oil | M | L | - | S | S |
| Axle Grease | M | L | - | S | S |
| Boric Acid (10%) | S | S | S | S | U |
| Calcium Chloride (10%) | S | M | S | L | L |
| Calcium Hydroxide (10%) | S | - | U | M | S |
| Carbolic Acid (25%) Phenol | U | U | L | M | U |
| Carbon Tetrachloride | U | U | S | M | U |
| Chlorine (water) 5-10 ppm | S | S | - | S | M |
| Chrome Plating Solution | S | L | - | U | U |
| Chromic Acid | - | S | S | M | U |
| Citric Acid (10%) | S | U | S | S | U |
| Copper Sulfate | - | - | - | M | U |
| Cutting Fluid (Norton 205) | S | L | - | S | S |
| Ethyl Alcohol | M | M | M | S | S |
| Ethylene Glycol | S | S | S | S | S |
| Ferric Chloride | S | S | S | U | U |
| Formaldehyde | - | S | S | S | S |
| Formic Acid | S | M | L | S | U |
| Fuel Oil (#2) | S | S | U | S | S |
| Gasoline | - | U | S | S | S |
| Glycerin | - | L | S | S | S |

| CHEMICAL | POLYCARBONATE | ABS | POLYESTER GLASS | STAINLESS STEEL | STEEL |
|---|---|---|---|---|---|
| Hydraulic Brake Fluid | U | U | - | S | S |
| Hydraulic Oil | M | U | S | S | S |
| Hydrochloric Acid (10%) | S | S | L | U | U |
| Hydrofluoric Acid (20%) | M | L | S | U | U |
| Hydrogen Peroxide | - | L | S | M | M |
| Hydrogen Sulfide | S | M | - | L | U |
| Isopropyl Alcohol | S | M | - | S | S |
| Kerosene | M | U | S | S | S |
| Lacquer Thinner | U | U | - | S | L |
| Loctite | U | U | U | S | S |
| Liquid Dish Soap (10%) | S | - | S | S | S |
| Lubricating Oils | - | M | S | S | S |
| Magnesium Chloride (10%) | S | M | M | S | S |
| Magnesium Hydroxide (10%) | S | M | M | S | S |
| Methyl Ethyl Ketone | - | U | S | S | S |
| Methylene Chloride | U | U | U | S | S |
| Mineral Spirits | M | U | S | S | S |
| Motor Oil (10 weight) | S | L | - | S | S |
| Nitric Acid (10%) | L | M | M | L | L |
| Perchlorethylene | U | U | - | S | S |
| Phosphoric Acid (25%) | S | M | U | - | - |
| Phosphoric Acid (50%) | S | M | U | U | U |
| Potassium Carbonate (10%) | S | S | L | M | L |
| Potassium Chloride (25%) | S | S | S | S | S |
| Potassium Hydroxide (25%) | U | S | L | S | S |
| Potassium Nitrate (10%) | S | S | S | S | S |
| Potassium Sulfate (10%) | S | S | S | S | S |
| Soap (igepal) 10% | S | S | S | S | S |
| Sodium Bicarbonate (10%) | S | S | S | S | L |
| Sodium Bisulfate (10%) | S | S | - | U | U |
| Sodium Chloride (25%) | S | S | S | M | U |
| Sodium Hydroxide | U | M | U | M | M |
| Sodium Hypochlorite | S | S | L | L | U |
| Sodium Nitrate (10%) | S | - | S | M | M |
| Sodium Phosphate (10%) | S | S | L | M | U |
| Sulfuric Acid (25%) | S | S | U | U | U |
| Tannic Acid (10%) | S | S | - | M | L |
| Toluene | U | U | - | S | S |
| Trichloroethylene | - | U | U | M | M |
| Trisodium Phosphate | - | M | - | M | - |
| Turpentine | S | U | S | S | S |
| Vegetable Oils | - | S | S | S | S |
| Xylene | U | U | S | M | M |
| Zinc Chloride | M | S | - | M | U |

1. Orders become effective only when accepted and approved by Integra. Integra's acceptance is expressly made conditional on the Customer's assent to the terms and conditions contained herein and to the terms and conditions of any proposal issued by Integra to the Customer, and Integra agrees to furnish the material covered by the order only upon such terms and conditions. Any of the terms or provisions of the Customer's order which are inconsistent with the terms and provisions contained herein are not agreed to by Integra and shall not be binding on Integra and shall not be considered applicable to the sale or shipment of the materials ordered.

2. There shall be a minimum order amount of $50.00 exclusive of freight.

3. Orders, shipments, and terms of payment are subject to the approval of Integra's Credit Department. Invoices shall be rendered when the materials are shipped. Terms of payment are net 30 days unless otherwise agreed by Integra. Interest may be charged on overdue accounts at the rate of 1.5% per month. Accounts that exceed 60 days may be placed on C.O.D. status at the discretion of Integra. Accounts that exceed 120 days shall be placed for collection. Payments shall be made to Integra Enclosures, P. O. Box 1870, Mentor, Ohio 44061-1870.

4. Materials are sold FOB our plant and title shall pass upon delivery to the carrier. Integra is not responsible for any loss or damage incurred in transit and any claim must be made by the Customer. Integra shall assist in the filing of any claim, at the request of the Customer.

5. Shipment dates are given based on current inventories and production plans. However, Integra shall not be responsible for any partial or total failure to deliver or for any delay incurred caused by accidents, delays in transportation, fires, explosions, floods, earthquakes, or other acts of nature, riots, strikes, or other causes beyond Integra's reasonable control.

6. Orders for non-standard materials, such as modified product, are not cancelable and not returnable without Integra's prior consent. Should consent be given, Integra reserves the right to recover all direct costs incurred as a result of the cancellation.

7. Returns of compliant materials may be returned at the customer's request only upon the approval of Integra. Materials must be in re-sellable condition and in their original packaging. Returns not accompanied by a new order of greater or equal value shall be subject to a restocking fee of 25 percent of the original sale price.

8. INTEGRA WARRANTS THAT THE MATERIALS SOLD TO THE CUSTOMER ARE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP AT THE TIME OF SHIPMENT. THE CUSTOMER SHALL NOTIFY INTEGRA IN WRITING WITHIN 30 DAYS OF RECEIPT FOR ANY CLAIMED DEFECTS OR NON-CONFORMING MATERIALS.

NO MATERIALS CAN BE RETURNED WITHOUT THE PRIOR CONSENT OF INTEGRA, AND IF APPROVED SHALL BE RETURNED TO INTEGRA FREIGHT PREPAID. INTEGRA'S LIABILITY FOR ANY BREACH OF THIS WARRANTY SHALL BE LIMITED TO EITHER REPLACEMENT OF THE MATERIALS OR, AT INTEGRA'S SOLE OPTION, THE REFUND OF THE PURCHASE PRICE. INTEGRA SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY BREACH OF THIS WARRANTY. THIS EXCLUSION APPLIES WHETHER SUCH DAMAGES WERE SOUGHT BASED ON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT, OR ANY OTHER LEGAL THEORY. FURTHER, INTEGRA SHALL NOT BE LIABLE FOR LOSSES, DELAYS, LABOR COSTS, OR ANY OTHER COST OR EXPENSE DIRECTLY OR INDIRECTLY ARISING FROM THE USE OF MATERIALS. INTEGRA'S LIABILITY IS EXPRESSLY LIMITED TO THE REPLACEMENT OR REPAIR OF DEFECTIVE GOODS, OR THE TOTAL VALUE OF SUCH GOODS. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED, OR ORAL INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM A COURSE OF DEALING OR TRADE.

9. Should any clause of this agreement be held unenforceable or unlawful, it is agreed that the clause in question shall be modified so as to eliminate the unenforceable element and as so modified, shall be binding on the parties. The remaining clauses and provisions shall not be affected.

10. Any assistance, suggestions, or technical advice given the Customer by Integra or any agent thereof, concerning dimensions, handling, installation, testing, storage, use or placement in service is an accommodation for which Integra shall have no liability unless expressly provided by Integra in writing and signed by an officer of the company.

11. This agreement is complete and contains the entire contract between the parties and may not be modified except in writing by both parties. No employee, agent, or representative of Integra has the authority or power to add, waive, or amend this contract unless first authorized in writing by an officer of Integra. This agreement shall be construed under the laws of the State of Ohio. Waiver of Integra of any breach shall not thereafter be deemed a waiver of a subsequent breach of the same of any other provision hereof.