Pelican-Hardigg™ Rack Mount Cases are world renowned as the toughest, smartest transport systems available for commercial, industrial and military shippers. Our innovative design process and rigorous testing methods continue to result in superior patented advancements that ensure your vital, sensitive and expensive electronics remain protected. Pelican-Hardigg™ Rack Mount Cases can take repeated drops, blows and soakings while protecting your gear. When it comes to electronics, nothing protects better than a Pelican-Hardigg™ Rack Mount Case. From the ultimate protection of the Classic Rack case, to the removable rack option offered by the SuperMAC™ Rack case, to the smaller footprints of the MAC Rack™ and ProRack™ cases, Pelican-Hardigg has the solution to fit your exact shipping and protection requirements.

All Pelican-Hardigg™ Rack Mount Cases boast rugged rotomolded exterior shells that withstand all kinds of abuse, drop after drop, in every environment – damage free.

Superior Shipping Protection
FOR FRAGILE INSTRUMENTS AND ELECTRONICS

Extensive computer-aided drop tests are performed at our South Deerfield test labs.
G Fragility Rating

The lower the G rating of equipment = a greater level of protection needed

<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>FRAGILITY (shock and vibration levels)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTREMELY SENSITIVE</td>
<td></td>
</tr>
<tr>
<td>Inertial Navigation Equipment (Gyroscopes)</td>
<td>12 - 18 G’s</td>
</tr>
<tr>
<td>VERY DELICATE</td>
<td></td>
</tr>
<tr>
<td>Electro-Optical (101-152 mm)</td>
<td>18 - 25 G’s</td>
</tr>
<tr>
<td>Precision Test Equipment</td>
<td></td>
</tr>
<tr>
<td>FRAGILE</td>
<td></td>
</tr>
<tr>
<td>General Electro-Mechanical</td>
<td>25 - 50 G’s</td>
</tr>
<tr>
<td>Medical and Biological Diagnostic</td>
<td></td>
</tr>
<tr>
<td>Tower computers, Color TV Cameras</td>
<td></td>
</tr>
<tr>
<td>High End Rack Mount Electronics, Printers</td>
<td></td>
</tr>
<tr>
<td>MODERATELY FRAGILE</td>
<td></td>
</tr>
<tr>
<td>Solid-State Circuit Electronics</td>
<td>50 - 80 G’s</td>
</tr>
<tr>
<td>Radar and Microwave Antennas</td>
<td></td>
</tr>
<tr>
<td>Audio-Visual Projectors, Aircraft Engines</td>
<td></td>
</tr>
<tr>
<td>General Rack Mount Electronics</td>
<td></td>
</tr>
<tr>
<td>RUGGED</td>
<td></td>
</tr>
<tr>
<td>PC Boards, PC Monitors, Refrigerators, Microwave Ovens, Control &amp; Metering Valves, Cameras, Emergency Rescue Gear</td>
<td>80 - 120 G’s</td>
</tr>
<tr>
<td>VERY RUGGED</td>
<td></td>
</tr>
<tr>
<td>Most Small Appliances, Pelican Flashlights, Tools, Guns</td>
<td>120 G’s and Up</td>
</tr>
<tr>
<td>CELL PHONE</td>
<td></td>
</tr>
<tr>
<td>300 G’s</td>
<td></td>
</tr>
</tbody>
</table>

The fragility of an item is normally expressed in “G” units. G units are a measure of the force exerted on bodies by the earth’s gravitational pull. Products with a larger g-force rating require less protection from shock and vibration. For instance, an item with 20 G fragility will suffer damage when subjected to a force 20 times that of normal earth gravity. The fragility of an instrument or piece of equipment is usually determined by laboratory testing.

G - Rating Examples

Pelican-Hardigg® Classic Rack Case
Used for extremely delicate and heavy diagnostic equipment that needs to travel but cannot withstand shock or vibration.

Pelican-Hardigg® SuperMAC® Case
Used for fragile equipment that needs to travel but cannot take shock or vibration. It also needs to fit a narrow space.

Pelican-Hardigg® MAC Rack® Case
Used for moderately fragile equipment that needs shock protection and is used in a tight working space environment.

Pelican-Hardigg® BlackBox Case
Used for rugged, light weight equipment so a photographer can get equipment to the job site.

Pelican-Hardigg® ProRack® Case
Used for very rugged light weight equipment that needs a travel case to keep it dry and dust free during transport.
# PELICAN-HARDIGG™

## Rack Mount Roto-Molded Cases

<table>
<thead>
<tr>
<th>Classic Rack Case</th>
<th>SuperMAC™ Case</th>
<th>MAC Rack™ Case</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>(60 Case Variations)</em></td>
<td><em>(21 Case Variations)</em></td>
<td><em>(54 Case Variations)</em></td>
</tr>
</tbody>
</table>

### SWAY SPACE

- **2” sway space**
- **1” sway space**
- **0.85” sway space**

### FRAME

- Heavy duty reinforced threaded aluminum frame

### SIZES

- **Classic Rack Case:** 3U (4U), 4U (5U), 5U (6U), 6U (7U), 7U, (8U), 9U (10U), 10U, 11U (12U), 14U, (15U), 21U (22U), 26U (27U)
- **SuperMAC™ Case:** 3U, 4U, 5U, 7U, 9U, 11U, 14U
- **MAC Rack™ Case:** 3U, 4U, 5U, 6U, 7U, 9U, 11U, 12U, 14U

### RACK DEPTHS

- 17”, 18”, 20”, 23”, 25”, 28”, 33”
- 24” 3U, 4U, 5U, 7U, 9U, 11U, 14U
- 30” in 3U, 5U, 7U, 9U

### PAYLOAD

- **Classic Rack Case:** 20-40 lbs, 40-60 lbs, 60-80 lbs, 80-100 lbs, 100-170 lbs, 160-200 lbs, 200-340 lbs (higher payloads can be engineered)
- **SuperMAC™ Case:** 25 - 125 lbs. 125 - 200 lbs.
- **MAC Rack™ Case:** 3U to 5U = 80-100 lbs. 7U to 14U = 100-170 lbs.

### G - RATING

- **Classic Rack Case:** 15 - 30 G
- **SuperMAC™ Case:** 40 - 70 G
- **MAC Rack™ Case:** 50 - 80 G

### SHOCK PROTECTION

- **Classic Rack Case:** Extreme Heavy Duty
- **SuperMAC™ Case:** Medium/Heavy Duty
- **MAC Rack™ Case:** Medium Duty

### SHOCK MOUNTS

- Cylindrical shock mounts isolate equipment from vibration and the shock from impact forces.
- Solid rubber block shock mounts isolate equipment from vibration and the shock from impact forces.
- Cylindrical shock mounts isolation equipment from vibration.

### SHOCK AND VIBRATION PROTECTION

- Delivers maximum level of shock and vibration protection in the widest range of sizes and optional accessories.
- Delivers a smaller width case body for space saving but still includes shock and vibration protection.
- Delivers a case with good vibration protection using shock mounts.

### USES

- **Classic Rack Case:** Military Rapid Deployment, Memory Storage Devices, Precision Lab Equipment, Calibrated Diagnostic / Testing Gear, Aerospace Instrumentation
- **SuperMAC™ Case:** Military Rapid Deployment, Control Consoles/Panels, Radar/Microwave Antennas, Solid State Electronics, Television Communications Equipment
- **MAC Rack™ Case:** Military Rapid Deployment, Field-Deploy Applications, Control Consoles/Panels, Broadcast Equipment

### CONFIGURATION

- Fully Configurable (Made to Order and Customizable)

---

* 17” in 10U only, 18” in 7U (8U), 23” in 26U only and 28 in 10U only
<table>
<thead>
<tr>
<th>33” Classic-V Rack Case (5 Case Sizes)</th>
<th>24” Super-V Rack Case (7 Case Sizes)</th>
<th>BlackBox Case (7 Case Sizes)</th>
<th>ProRack™ Case (4 Case Sizes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4” sway space</td>
<td>1” sway space</td>
<td>1” sway space</td>
<td>No sway space</td>
</tr>
</tbody>
</table>

**Steel rack with an industry-standard square hole pattern**
(both SAE and M6 clip nuts available)

**Rack Depths**
- 3U, 4U, 5U, 7U, 9U, 11U, 14U
- 33”
- 3U to 5U = 80-100 lbs.
- 7U to 9U = 100-170 lbs.
- N/A

**Payload**
- 20-40 lbs, 40-60 lbs, 60-80 lbs, 80-100 lbs, 100-170 lbs, 160-200 lbs, 200-340 lbs
- 25 - 125 lbs.
- 125 - 200 lbs.
- 24 - 100 lbs.
- 100 - 200 lbs.
- 3U to 5U = 80-100 lbs.
- 7U to 9U = 100-170 lbs.

**G-Rating**
- 15 - 30 G
- 40 - 70 G
- 50 - 80 G
- N/A
- N/A
- 40 - 80 G
- 80 - 120 G

**Shock and Vibration Protection**
- Delivers maximum level of shock and vibration protection in the widest range of sizes and optional accessories.
- Provides a light weight, space saving case for protection from rain, dust and surface impact.
- Offers good shock protection in a preconfigured case for Off-The-Shelf purchases of 5 sizes.
## Hardware - Catch & Strike Latches

- **Black Plated Steel (HNB)**
  - Is low cost with high strength.

- **Black Plated Stainless Steel (SSB)**
  - Stainless steel is corrosion resistant.

## Security

- **Lockable Cable Catch**
  - Set of four (4) per case.
  - Two (2) attached per lid on opposing corners.
  - Cable is made of tamper-resistant aircraft steel.

## Pressure/Humidity Options

- **Pressure Relief Valve (PRV)**
  - With Closed Loop Gasket
  - The manual PRV button is used to maintain correct pressure differential.
  - Pressure range: +/- 0.5 PSID

- **Humidity Indicator**
  - Indicates 20%, 30%, and 40% relative humidity ranges. Color changes when inside humidity exceeds the indicated level. Resets as humidity decreases; used along with PRV.

## Handles

- **Heavy Duty Handle**
  - Comfort grip handle, rustproof HDPE, recyclable, light weight, 90° Stop, spring loaded, 150 lb. lift capacity/handle.

- **Extra Handles (3 & 4 Hole)**
  - 90° stop handle. Black Plated Steel or Black Stainless Steel.
  - 3-hole: 35 lb. lift/handle
  - 4-hole: 150 lb. lift/handle

## Lifting and Stacking Options

- **Lift / Tie Down Rings**
  - 2” (50 mm) diameter lift grips, spring loaded, pivot 180°. (750 lbs lc installed). Black plated Plated Zinc and Black Stainless Steel

- **Coupling Catches**
  - Built in attachment system latching one case to another for secure stacking.

- **E-Buckle**
  - Built in attachment system latching one case to another for secure stacking.

## Cards, Labels and Stencils

- **Front Labels**
  - A set of two labels

- **Standard Labels**
  - Custom option, requires an estimate.

- **Custom Stenciling**
  - Per MIL-I-43553, Black, White, Yellow. Custom option, requires an estimate.

- **Card Holder**
  - Set of metal holders for shipping card.
  - 3” x 5” (76 x 127 mm) or
  - 4” x 6” (102 x 152 mm)

- **ID Plate (Type H, Style IV)**
  - Per MIL-P-15024.
  - Size 10 4” x 4” x .020” (102 x 102 x 0.5 mm), aluminum fastener attached.

## Other Options

- **Cage Nuts**
  - SAE/10-32 and M6 Metric cage nuts for square hole racks. Packs of 24 pieces and 50 pieces (page 19).

- **Panel Screw With Washer**
  - Used on any Rack Case.

- **Lid Storage Pouch**
  - Zippered pouch for storing cables and accessories in front and/or rear lids.

- **Lid Leg Kit**
  - 5U or larger. 12” (304mm) legs for seat height and 20° (508mm) or 22.5° (572mm) for table height.

- **Lid Hangers**
  - Store lids on side of case when case is open. Set of four (4) hangers for two lids. (Classic lid hanger shown)
Rack Frame Options

**Fixed Bottom Support Rails**
Bottom view
These aluminum supports installed on the bottom of the rack, front to back.

**Adjustable Vertical Supports**
These aluminum supports installed on the side walls of the rack, top to bottom.

**Adjustable Horizontal Supports**
These aluminum supports installed on the side of the rack, front to back.

**1/8” Wider Frame**
Typically used with slides mounted on inside of upright.

**Removable Rack System**
This option is only available on Classic Racks and SuperMAC™ racks. (see page 15 for more info)

Shelves and Drawers

**1U Filler Panel**
16-gauge aluminum, brushed black finish. Available in 1U, height 1.75” (44.45mm).

**Drawers**
Key lockable 2U, 3U, and 4U sliding drawers, 15.78” (403 mm) wide, 24” (610 mm) deep. Max drawer payload 25 lbs (11.3kg).

**Keyboard Tray**
Comfortable standard size keyboard. 24” (610 mm) wide, 12 inches (305 mm) deep. Attaches to case front catches.

**Rack Slides**
Compact solid bearing slides. Used to mount equipment directly into rack, or to mount drawers and shelves. (85lb. capacity), sold in pairs.

**Shelves**
Fixed and sliding shelves available. (35 lbs. per shelf)

**Rear Rack Frame**
(rear view)
For ProRack™ cases only.

Rolling Features

**Locking Swivel Casters**
Button release QuickClip™ swivel casters, removable or fixed, 3.5” or 5.0” wheel diameters. No hardware included.

**Caster Mounting System**
Enhances the bottom panel strength of rack cases, while providing the same button-release convenience of the QuickClip™ caster plate.

**Caster Storage in Lid**
Holds four (4) casters on one (1) machined aluminum extrusion with mounting hardware (5” lid only).

**Edge Casters**
Two (2) wheel housings installed on 5” lids of the case for cart-like movement. Load limit is 75 lbs./wheel. Used on Classic racks and Classic V Rack cases.

Optional Colors for All Rack Cases

- **Gray – 133** Fed Std# 26270
- **Tan – 250** Fed Std# 28372
- **Blue – 135(t)** Pantone# 292U
- **White – 132** Fed Std# 27925
- **Yellow – 136** Pantone# 812U
- **Green – 138(forest)** Fed Std# 24052
- **Orange – 134** Fed Std# 12197
- **Maroon – 197** Pantone# 202U
- **Blue – 101(dk)** Fed Std# 25052
- **Black – 032** Fed Std# 27040
- **Red – 130** Fed Std# 21105
- **Olive Drab – 137** Fed Std# 34096
- **Purple – 129** Pantone# 245U
- **Yellow – 131** Fed Std# 23538

Note: Some options are not available on all case sizes and availability is subject to change at manufacturer’s discretion. Case colors/options may differ slightly from printed versions.
The Classic Rack case is a smooth finished roto case with a 19" wide EIA standard rack frame with the option of Pelican’s Lock ‘N Load removable rack. It comes in a variety of rack depths including 17", 18", 20", 23", 25", 28", 33".

Pelican™ Classic Rack cases are extra rugged, roto molded rack cases, designed with a shock system to protect ultra-fragile equipment during transport, especially in a rugged environments. An additional 1U can be added to the height of the Classic rack frame without moving to the next larger size case. Optional U sizes are indicated in “( )”.

**Heavy Duty Shock System**

Used for higher weight payloads from 160 lbs (72.6kg) to 340 lbs (154.2 kg).
- Cases 7U and smaller receive 16 shock mounts.
- Cases 9U and larger receive wall stiffeners, Lift/Tie down rings and 16 shock mounts.

**Cylindrical Shock Mounts** installed on an Extruded Aluminum tapped rack frame with “Dog Ear” corner. Shock mounts attach to metal reinforcement rails that run the full length of each corner of the case body. Frame can be tapped Standard (SAE) or Metric (M6). This system provides superior shock and vibration protection.

---

### SPECIFICATIONS

#### Sizes

3U (4U), 4U (5U), 5U (6U), 6U (7U), 7U (8U), 9U (10U), 10U, 11U (12U), 14U (15U), 21U (22U), 26U (27U)

1U is same case size with 10 added to the frame.

2" and 5" lid options

#### Payload

- 8-shock mounts: 20lbs - 170lbs (9.1kg - 77kg)
- 16-shock mounts: 160lbs - 340lbs (72.6kg - 154kg)

Requires heavy duty shock kit

### G-Rating

15 - 30

### Sway Space

2" (50.8mm) sway space for maximum ability to decelerate shock forces and provide airflow

### Base Features

- Color: Grey (133)
- Black Plated Steel Non-Locking Catch-and-Strike Hardware
- Four (4) Black Stainless Steel Handles
- Tapped Standard (SAE) or Metric (M6)

### Options / Accessories

- 13 Optional Colors
- Extra 1U Rack Size Option
- Lifting Rings
- Heavy Duty Shock System (160-340lbs)
- Bolt-On Edge Casters on 5" Lid
- Pressure Relief Valve and Closed Loop Gasket
- Lid Hangers
- Card Holders - 3x5 and 4x6
- Labels - Front, STD and ATA
- Lid Leg Kits; 5U or larger, 12” (304mm) legs for seat height and 28” (708mm) or 22.5” (572mm) for table height.
- Lockable Cable Catches
- Coupling Catches for Case Stacking
- Stencils
- Bezel Plate (1U)
- Drawers (2U, 3U and 4U)
- Sliding Shelves
- Keyboard Tray
- Lock ‘N Load Removable Rack (pg 16)
- Horizontal and/or Vertical Supports for Heavy Weighted Payload
- Lid Pouch in 5" Lid
- Locking Removable 3.5” or 5” Bottom Casters
- Caster Storage in 5” Lid

### Customization

Classic Rack cases are fully configurable and made to order. They can also be customized by our Technical Sales solution team. Call if you need a 1U extension to any of these standard U sizes.
The SuperMAC™ case is a smooth surface case with a 19” wide and 24” deep and 30” EIA standard rack.

The SuperMAC™ case is our most compact container with the option of a Lock ‘N Load removable rack. The SuperMAC™ case strategically uses every inch of space, allowing ample room for wiring and equipment integration – all while providing medium duty protection. The optional removable rack system slides open as easily as a file drawer, for full access to equipment.

The SuperMAC™ case is ideal when you need vibration and shock protection for sensitive electronic equipment but don’t have enough space for a Classic Rack case.

SPECIFICATIONS

SIZES

3U, 4U, 5U, 7U, 9U, 11U, and 14U
2” and 5” lid options

PAYLOAD

25lbs - 125lbs (11.3kg - 56.7kg)
125lbs - 200lbs (56.7kg - 90.7kg)

G-RATING

40 - 70

SWAY SPACE

1” (25.4mm) sway space for the ability to decelerate shock

BASE FEATURES

» Color: Grey (133)
» Black Plated Steel Non-Locking Catch-and-Strike Hardware
» Eight (8) Plastic Comfort Grip Handles on front & back lids and on each side of the case body
» Heavy Duty Reinforced Extruded Aluminum Rack Frame with patented “Dog Ear” reinforced corners
» Lid Hangers
» Mold-In Edge Casters on 5” Lid
» Tapped Standard (SAE) or Metric (M6)

OPTIONS / ACCESSORIES

» 13 Optional Colors
» Black Stainless Steel (SSB) Hardware
» Black Stainless Steel Metal Handles
» Coupling Catches for Inter-Locking Case Stacking
» Lifting Rings
» Lockable Cable Catches
» Pressure Relief Valve and Closed Loop Gasket
» Card Holders - 3x5
» Labels - Front, STD and ATA
» Stencils
» Bezel Plate (1U)
» Drawers (2U, 3U and 4U)
» Sliding Shelves
» Keyboard Tray
» Horizontal and/or Vertical Supports for Heavy Weighted Payload
» Lock ‘N Load Removable Rack (pg 16)
» Lid Pouch (5” Lid Only)
» Locking Removable 3.5” or 5” Bottom Casters
» Caster Storage in 5” Lid

CUSTOMIZATION

SuperMAC™ cases are fully configurable and made to order using the list of options. They can also be customized by our Technical Sales solution team.

APPLICATIONS

» Military Rapid Deployment
» Field-Deployed Equipment
» Sheltered Applications
» Control Consoles and Panels
» Radar and Microwave Antennas
» Solid-State Circuit Electronics
» Radio, TV and Communications Equipment
PELICAN-HARDIGG™
MAC Rack™ Case

HEAVY-DUTY CASE WITH GOOD VIBRATION PROTECTION

The MAC Rack™ case is a textured low-visibility roto molded case with a 19” wide and a 20” or 24” deep EIA standard rack.

Compact and light weight, MAC Rack™ cases boast a smaller footprint to make the most of limited space.

The MAC Rack™ case protects with the same rotomolded outer shell and 19” EIA shock mounted rack as the Classic Rack, but with a smaller sway space.

The MAC Rack™ case is perfect for less fragile equipment that still needs protection from shock, vibration, moisture, and impact along with the advantages of a heavy-duty case.

SPECIFICATIONS

SIZES
3U, 4U, 5U, 6U, 7U, 9U, 11U, 12U, and 14U
2” and 5” lid options

PAYLOAD
8-shock mounts:
241bs - 100lbs (10.9kg - 45.4kg)

16-shock mounts:
100lbs - 200lbs (45.4kg - 90.7kg)

G-RATING
50 - 80

SWAY SPACE
Ø 85” (21.6 mm) sway for the ability to decelerate shock

BASE FEATURES
» Color: Grey (133)
» Black Plated Steel Non-Locking Catch-and-Strike Hardware
» Eight (8) Spring Loaded Stainless Steel Black (SSB) handles under 5U. Eight (8) plastic handles 6U and higher.
» Mold-In Edge Casters on 5” Lid
» Heavy Duty Reinforced Aluminum Rack Frame
» Tapped Standard (SAE) or Metric (M6)
» Standard Labelling

OPTIONS / ACCESSORIES
» 13 Optional Colors
» Stainless Steel Black Hardware
» Lifting Rings
» Pressure Relief Valve and Closed Loop Gasket
» Locking Removable Casters
» Lockable Cable Catches
» Card Holders - 3x5 and 4x6
» Labels - Front, STD and ATA
» Stencils
» Bezel Plate (1U)
» Drawers (2U, 3U and 4U)
» Sliding Shelves
» Keyboard Tray
» Horizontal Supports for Heavy Weighted Payload
» Lid Pouch in 5” Wheeled Lid
» Locking Removable 3.5” or 5” Bottom Casters
» Caster Storage in 5” Lid

CUSTOMIZATION
MAC Rack™ cases are fully configurable and made to order using the list of options. They can be customized by our Technical Sales solution team.

SHOCK/VIBRATION SYSTEM

Cylindrical Shock Mounts installed on a strong light-weight extruded aluminum rack frame with a “Dog Ear” corner. Shock mounts attach directly to a molded-in shoulder on the body of the case. Frame can be tapped Standard (SAE) or Metric (M6).

APPLICATIONS
» Field-Deployed Equipment
» Sheltered Applications
» Control Consoles and Panels
» Radar and Microwave Antennas
» Solid-State Circuit Electronics
» Radio, TV and Communications Equipment
Wall Mounted Cylindrical Shocks. The Classic-V and Super-V Racks have a steel square-hole frame using Standard (US) or Metric (M6) cage nuts. The shock mounts are attached directly to the case wall.

24” SUPER-V RACK MOUNT CASE
Has a 19” wide and 24” deep EIA standard rack.

30” SUPER-V RACK MOUNT CASE
Has a 19” wide and 30” deep EIA standard rack.

33” CLASSIC-V RACK MOUNT CASE
Has a 19” wide and 33” deep EIA standard rack.

Now you can get pro-grade rack mount cases in days instead of weeks. Pelican-Hardigg maintains inventory on both coasts, reducing your freight cost and transit time.

V-Series cases are an Off-the-Shelf product, in stock and ready to ship.
The BlackBox case is a textured roto molded case with a 19” wide and 24” and 30” deep EIA standard rack. It is an Off-the-Shelf product. This light weight, compact, and double ended case offers light duty case protection and boasts significantly better light duty shock performance than the competition. The use of recycled materials in the shell and a steel frame offers great value while upholding Pelican-Hardigg’s industry-leading standards.

A BlackBox case is ideal when you need immediate access to an Off-the-Shelf case and need to be cost conscious without sacrifice performance.

Not intended for high-end sensitive electronics

Specifications

<table>
<thead>
<tr>
<th>Sizes</th>
<th>G-Rating</th>
<th>Sway Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>3U, 4U, 5U, 7U, 9U, 11U, and 14U</td>
<td>40 - 80</td>
<td>1” (25.4 mm) sway space for the ability to decelerate shock</td>
</tr>
</tbody>
</table>

PayLoad: 20 - 100 lbs. (9kg - 45.4kg)

Base Features

- Case Color: Black (463)
- Black Plated Steel Non-Locking Catch-and-Strike Hardware
- Eight (8) Plastic Comfort Grip Handles
- 2” Front Lid and 5” Back Lid
- Mold-In Edge Casters on 5” Lid
- Pressure Relief Valve with Closed Loop Gasket
- Light Duty Steel Frame Tapped Standard SAE
- Right and Left Side Lid Hangers

Options / Accessories

N/A

Customization

BlackBox cases are an Off-the-Shelf product, in stock and ready to ship.

Applications

- Audio/Video Recording and Processing Systems
- Satellite Communication Systems
- Radio Communication Systems
- Seismic Data Recording Instrumentation
- Climate Data Collection
- Field-Deployed Amplifiers and Electronics
- Medical or Testing Equipment Components
**SPECIFICATIONS**

**SIZES**

- 4U, 6U, 8U, 10U, and 14U
- 1" front lid and 1" back lid

**PAYLOAD**

- Up to 75 lbs. (34kg)

**BASE FEATURES**

- Case Color: Black (032)
- Black Plated Steel Non-Locking Catch-and-Strike Hardware
- Tapped Standard SAE
- 13 Optional Colors
- Stainless Steel Black Non-Locking Catch-and-Strike Hardware
- Additional Rear Rack Frame attached at the back of the case body
- Pressure Release Valve
- Card Holders - 3x5
- Two (2) Plastic Comfort Grip Handles, one on each lid
- Aluminum Rack Frame attached to the front opening of the case body
- Front Labels
- Stencils
- Bezel plate and rear frame extensions to also bolt equipment to the rear of the case. Extensions are also for use with sliding shelves or drawers
- Locking Removable 3.5" or 5" Bottom Casters

**SHOCK/VIBRATION SYSTEM**

- **G-RATING**: 80 - 120
- **SWAY SPACE**: No sway space

**APPLICATIONS**

- Semi-Fragile Medical Equipment
- Radios and Amplifiers
- Field Deployed Test Equipment

**CUSTOMIZATION**

ProRack™ cases are fully configurable and made to order using the list of options.
## Specifications

**Case Dimensions**

- Case Depth OD: 25.5" to 48.5"
- Case Width OD: 24", 27", 29"  

**Rack Dimensions**

- Rack Width: 20", 23", 25", 28", 33"  

### 20" Deep Frames

<table>
<thead>
<tr>
<th>Part No.</th>
<th>U</th>
<th>in</th>
<th>mm</th>
<th>Rack Depth</th>
<th>Rack Width</th>
<th>Front/Back Lid</th>
<th>Outside Depth</th>
<th>Outside Width</th>
<th>Outside Height</th>
<th>Weight</th>
<th>Shipping Cube</th>
</tr>
</thead>
<tbody>
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### 17", 18", 23", 28" Deep Frames

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<tr>
<th>Part No.</th>
<th>U</th>
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<th>mm</th>
<th>Rack Depth</th>
<th>Rack Width</th>
<th>Front/Back Lid</th>
<th>Outside Depth</th>
<th>Outside Width</th>
<th>Outside Height</th>
<th>Weight</th>
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**Notes:**

- All dimensions are approximate and may vary slightly.
- Weight and shipping cube are approximate and may vary based on specific materials and construction details.
- Shipping cube is calculated as weight density (lbs/ft³) multiplied by volume (ft³) of the case.
- Lid thickness is typically 2.5" or 5.25", depending on lid type.
<table>
<thead>
<tr>
<th><strong>RACK DIMENSIONS</strong></th>
<th><strong>CASE DIMENSIONS</strong></th>
</tr>
</thead>
<tbody>
<tr>
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<td>DE2416-02/27/02</td>
<td>6U* (7U)</td>
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<tr>
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</table>

1 - Lid Outside Dimension (O.D.) = Lid I.D. plus 1.15” per lid
2 - Depth includes stacking ribs
3 - Height excludes 1.0” stacking ribs
* - Rapid Rack Available
**RACK DIMENSIONS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>U SIZE</th>
<th>RACK HEIGHT</th>
<th>RACK DEPTH</th>
<th>RACK WIDTH</th>
<th>FRONT/BACK LID¹</th>
<th>OUTSIDE DEPTH²</th>
<th>OUTSIDE WIDTH³</th>
<th>OUTSIDE HEIGHT⁴</th>
<th>WEIGHT</th>
<th>SHIPPING CUBE</th>
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<td>133</td>
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<td>38.5 / 978</td>
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**CASE DIMENSIONS**

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<tr>
<th>Lid Thickness = 2.2&quot; Lid Inside Dimension + 1.1&quot; TYP</th>
<th>5.2&quot; Lid Inside Dimension + 1.3&quot; TYP</th>
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</thead>
</table>

1 - Lid Outside Dimension (O.D.) = Lid I.D. plus 1.3” on 5.2" lids and plus 1.1” on 2.2” lids
2 - Depth includes stiffening ribs, with metal handles installed
3 - Width listed is calculated with metal handles installed on sides
4 - Height excludes .44" stacking ribs
5 - Rapid Rack Available
Rapid Rack Removable Rack Feature

The Pelican-Hardigg™ Rapid Rack Removeable Rack feature combines all the shock and vibration protection of our Classic and SuperMAC™ Rack cases with the added benefit of a removable frame for complete frame accessibility.

The Rapid Rack option adds a simple Lock ‘N Load quick-latch system to unlock the internal rack frame and polyethylene guide strips for smooth separation. The standard aluminum case frames hold the rack in the case using four spring lock pins. The shock mounted outer frames enable the rack to become removable using polyethylene guide strips. Pulled like a drawer, the entire rack frame slides out completely for easier in-the-field cable installation and connection to other equipment.

Rapid Rack is the ultimate versatility tool and protection system for any Classic Rack or SuperMAC™ Rack case application where frame removal is important. Order your case with the removable racks feature or purchase an upgrade kit to turn your existing fixed rack into a sliding rack case.

» Standard U height frame (not available for 1U height adjusted frame sizes)
» Not recommended for payload weights over 100 lbs. for safe handling reasons.

### AVAILABLE SPRING 2022

#### 30” DEEP FRAMES

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>U in</th>
<th>Depth in</th>
<th>Width in</th>
<th>Height in</th>
<th>Rack depth</th>
<th>Rack width</th>
<th>Rack height</th>
<th>Front/Back Lid</th>
<th>Outside Width</th>
<th>Outside Depth</th>
<th>Outside Height</th>
<th>Weight lbs</th>
<th>Weight kg</th>
<th>Shipping Cube ft³</th>
<th>Shipping Cube m³</th>
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</table>
### MAC Rack™ Case

**RACK DIMENSIONS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>U SIZE</th>
<th>RACK DEPTH</th>
<th>RACK WIDTH</th>
<th>FRONT/BACK LID1</th>
<th>OUTSIDE DEPTH1</th>
<th>OUTSIDE WIDTH1</th>
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<th>WEIGHT</th>
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<td>5.25</td>
<td>133</td>
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<td>559</td>
<td>31 lbs</td>
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<td>559</td>
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<td>559</td>
<td>36 lbs</td>
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<td>559</td>
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<td>48 lbs</td>
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<td>559</td>
<td>50 lbs</td>
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<td>31.1</td>
<td>789</td>
<td>22.6</td>
<td>559</td>
<td>52 lbs</td>
</tr>
</tbody>
</table>

1 - Lid Outside Dimension (O.D.) = Lid I.D. plus 1.3” on 4.4” lids and plus 1” on 2.2” lids
2 - Depth includes stacking ribs
3 - Depth listed is calculated with plastic handles installed on sides which is standard on 3U, 4U and 5U cases come standard with stainless steel handles all around.
4 - Height excludes .44” stacking ribs

**Case Dimensions**

20” DEEP FRAMES

**SPECIFICATIONS**

- 2.2” or 5.2” interchangeable front and/or back lids
- Overall height excludes 0.44” stacking ribs
- 20” or 24” overall height excluding 0.44” stacking ribs
- Standard Rack Width
  - 3U: 22” or 22.6”
  - 5U: 22” or 22.6”
- Lid Thickness = 2.2” Lid Inside Dimension + 1” TYP
  - 4.4” Lid Inside Dimension + 1.3” TYP

- Case Depth OD
  - 31.1” to 40.1”
- Case Width OD
  - 22” or 22.6”
### 20” DEEP FRAMES

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>U SIZE</th>
<th>RACK DEPTH</th>
<th>RACK WIDTH</th>
<th>FRONT/BACK LID</th>
<th>OUTSIDE DEPTH</th>
<th>OUTSIDE WIDTH</th>
<th>OUTSIDE HEIGHT</th>
<th>WEIGHT</th>
<th>SHIPPING CUBE</th>
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<td>533</td>
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<td>22.6 / 575</td>
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<td>22.6 / 575</td>
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### 24” DEEP FRAMES

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<td>9.6 / 244</td>
<td>32</td>
<td>14.5 / 4.3 / 0.12</td>
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1. Lid Outside Dimension (O.D.) = Lid I.D. plus 1.3” on 4.4” lids and plus 1” on 2.2” lids
2. Depth includes stacking ribs
3. Depth listed is calculated with plastic handles installed on sides which is standard.
4. 3U, 4U and 5U cases come standard with stainless steel handles all around.
5. Height excludes 44” stacking ribs
PELICAN-HARDIGG™
33" Classic-V Case

SPECIFICATIONS

RACK DIMENSIONS

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CASE DIMENSIONS

Lid Thickness = 2.5" or 5.25" Lid Inside Dimension + 1.15" TYP

Universal Cage Nut Kit

Included with each V Rack Case*

Includes:
One (1) pack of #10-32 UNF/SAE (24 qty)
& One (1) pack of M6 Metric (24 qty)

PN: 1-030-32426

* 3U - 5U contain (1) Universal Cage Nut Kit
* 7U - 14U contain (2) Universal Cage Nut Kits

\#10-32 UNF/SAE CAGE NUTS
(24 pieces)
PN: 1-030-00032

M6 METRIC CAGE NUTS
(24 pieces)
PN: 1-030-00042
### SPECIFICATIONS

**24”/30” Super-V Case**

#### RACK DIMENSIONS

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#### Case Dimensions

- **Depth**: 11.4” to 30.6”
- **Height**: 35.5” to 41.5”
- **Width**: 23.8”

**Available Spring 2022**

#### 30” Deep Frames

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**Lid Thickness**:
- 2.2” Lid Inside Dimension + 1.1” TYP
- 5.2” Lid Inside Dimension + 1.3” TYP
# PELICAN-HARDIGG™
## BlackBox Case
### SPECIFICATIONS

#### RACK DIMENSIONS

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#### AVAILABLE SPRING 2022

#### 30" DEEP FRAMES

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1. Lid Outside Dimension (O.D.) = Lid I.D. plus 1.3” on 5.2” lids and plus 1.1” on 2.2” lids
2. Length includes stiffening ribs
3. Width is based on measurements with installed comfort grip handles
4. Height excludes .44” stacking ribs

**Notes:**
- Lid Thickness = 2.2” Lid Inside Dimension + 1.1” TYP
- 5.2” Lid Inside Dimension + 1.3” TYP
### ProRack™ Case Specifications

**17” Deep Frames**

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<td>7.00 in (177.8 mm)</td>
<td>17 in (432 mm)</td>
<td>19 in (483 mm)</td>
<td>1.81 in (46 mm)</td>
<td>22 in (559 mm)</td>
<td>22.4 in (568 mm)</td>
<td>11.3 lbs (266 kg)</td>
<td>20.9 ft³ (0.09 m³)</td>
</tr>
<tr>
<td>PR2012-01/18/01</td>
<td>6U</td>
<td>10.50 in (266.7 mm)</td>
<td>17 in (432 mm)</td>
<td>19 in (483 mm)</td>
<td>1.81 in (46 mm)</td>
<td>22 in (559 mm)</td>
<td>22.4 in (568 mm)</td>
<td>14.8 lbs (23.9 kg)</td>
<td>23.3 ft³ (0.12 m³)</td>
</tr>
<tr>
<td>PR2015-01/18/01</td>
<td>8U</td>
<td>14.00 in (355.6 mm)</td>
<td>17 in (432 mm)</td>
<td>19 in (483 mm)</td>
<td>1.81 in (46 mm)</td>
<td>22 in (559 mm)</td>
<td>22.4 in (568 mm)</td>
<td>21.2 lbs (6.4 kg)</td>
<td>27.3 ft³ (0.18 m³)</td>
</tr>
<tr>
<td>PR2018-01/18/01</td>
<td>10U</td>
<td>17.50 in (444.5 mm)</td>
<td>17 in (432 mm)</td>
<td>19 in (483 mm)</td>
<td>1.81 in (46 mm)</td>
<td>22 in (559 mm)</td>
<td>22.4 in (568 mm)</td>
<td>28.0 lbs (16.3 kg)</td>
<td>36.3 ft³ (0.23 m³)</td>
</tr>
</tbody>
</table>

1. Lid Outside Dimension (O.D.) = Lid I.D. plus 0.2” per lid
2. Depth includes stacking ribs
3. Height excludes 0.5” stacking ribs

The variance in rack length based on non shock mounted frame – “17” rack frame is only obtained by purchasing extra rack frame for the rear of the case. 17” rack length may vary – this is not a shock mounted rack.

---

**Legend:**
- **Rack Height**
- **Rack Depth**
- **Rack Width**
- **Front/Back Lid**
- **Outside Depth**
- **Outside Width**
- **Outside Height**
- **Weight**
- **Shipping Cube**

**Notes:**
- **PR2008-01/18/01**
- **PR2012-01/18/01**
- **PR2015-01/18/01**
- **PR2018-01/18/01**
- **PR2026-01/18/01**

**Dimensions:**
- **1.81” both lids**
- **11.3”**
- **14.8”**
- **18.3”**
- **21.2”**
- **28.0”**

**Rack Dimensions**

- **Rack Height**
- **Rack Depth**
- **Rack Width**

**Case Dimensions**

- **Outside Depth**
- **Outside Width**
- **Outside Height**
- **Weight**
- **Shipping Cube**

**Catalog Numbers:**
- **4U**
- **6U**
- **8U**
- **10U**
- **14U**

---

**Additional Information:**

- **Part Numbers:**
  - PR2008-01/18/01
  - PR2012-01/18/01
  - PR2015-01/18/01
  - PR2018-01/18/01
  - PR2026-01/18/01

- **Measurements:**
  - **Inches (mm):**
    - Rack Height
    - Rack Depth
    - Rack Width
    - Outside Depth
    - Outside Width
    - Outside Height
  - **Weights:**
    - Lbs
    - Kg
  - **Shipping Cubes:**
    - Ft³
    - M³

---

**Diagram:**

- **ProRack™ Case Dimensions:
  - **Rack Height:** 17 in (432 mm)
  - **Rack Depth:** 19 in (483 mm)
  - **Rack Width:** 46 in (1172 mm)

- **Case Dimensions:
  - **Case Height:** 22 in (559 mm)
  - **Case Width:** 22.4 in (568 mm)

---

**Additional Notes:**

- **17” Rack Frame:**
  - O.D. = I.D. + 0.2” per lid
  - Depth includes stacking ribs
  - Height excludes 0.5” stacking ribs

- **Shipping Cube:**
  - 14U: 23.9 ft³ (0.12 m³)
  - 16U: 27.3 ft³ (0.15 m³)
  - 20U: 36.3 ft³ (0.23 m³)

---

**Reference:**

- **ProRack™ Case Catalog:**
  - Page 22

---

**Conclusion:**

- **ProRack™ Case**
  - Designed for optimal protection
  - Ideal for electronic equipment

---

**Contact Information:**

- **Pelican-Hardigg™**
  - Dedicated to providing high-quality cases
  - Visit www.pelican-hardigg.com for more information
**CASE FEATURES**

- **Molded-in, tongue-in-groove gasketed parting lines seal tight and remain so after impacts.**
- **Durable molded-in color.**
- **Splash and rain resistant – airtight/watertight available.**
- **Reinforced corners and edges (high-stress areas) with 15 to 20% more material.**
- **Exceeds Air Transport Association (ATA) Specification 300, Category I requirements.**
- **Fully recessed hardware protected from external impact damage.**
- **Aircraft-quality, precision-tempered 6061-T6 aluminum provides a high strength-to-weight ratio.**
- **Designed to meet ANSI/EIA-310-C for universal rack mounting hole pattern.**
- **Interference fit spiral spring pins in each corner for maximized structural integrity.**
- **Patented, positive anti-shear locks prevent case lids from separating from mid-section even after impact and minimize stress on hardware.**
- **Shock mounts provide excellent shock and vibration cushion for delicate equipment.**
- **Molded-in side ribs provide extra columnar strength.**
- **Pelican-Hardigg’s patented, wide-design, Comfort Grip Handles come standard on most cases.**
- **One-piece rotomolded body and lids.**
- **BLACKBOX comes standard with rugged steel frame.**
- **BLACKBOX ONLY**
- **Interference fit spiral spring pins in each corner for maximized structural integrity.**
- **Patented, molded-in metal inserts for catch attachment points provide strength and spread loads to the container wall for maximum integrity.**
- **Patented, molded-in male/female stacking ribs for secure stacking.**
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**PART NUMBER BREAKDOWN**

**Double Lid Case**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24&quot;</td>
<td>Case Depth</td>
</tr>
<tr>
<td>10&quot;</td>
<td>Case Height</td>
</tr>
<tr>
<td>2&quot;</td>
<td>Case Rear Lid Depth</td>
</tr>
<tr>
<td>35&quot;</td>
<td>Case Body Length</td>
</tr>
</tbody>
</table>

**Lid (Back)**

- Depth

**Body**

- Height
- Width

**Rack Frame**

- Depth
- Width
- Shock Mount

**Lid (Front)**

- Depth

**Values Represent Interior Dimensions**

**ROTO MOLDED CASES - PELICAN 1 YEAR LIMITED WARRANTY FOR ROTO MOLDED CONTAINERS**

Pelican Products, Inc. ("Pelican") guarantees to the original purchaser of its rotationally molded containers that its containers will be free of defects in materials and workmanship for a period of one year from the date of invoice. Such warranty does not cover any associated hardware including closure hardware, retractable handles, wheels, and fasteners, which Pelican warrants against defects in materials and workmanship for a period of 90 days from the invoice date.

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