Series 2000 Modular Console System

The Series 2000 Modular Console System offers designers numerous assembly and configuration choices. This system allows units to be "stacked" in multiple combinations to provide equipment support and display functions exactly where you want them.

How to Configure Your System

To configure your system you’ll need to go through the following steps:

**STEP 1 - Protection requirements**
- Type 4 RAL 7035 light gray = "2CL..." part numbers
- Type 4X stainless steel = "2CS..." part numbers

**STEP 2 - Width requirements (24, 36, 48, 60 inch)**

**STEP 3 - Basic component requirements:**
- *Bottom* - (a) base, (b) dual access base, or (c) pedestal
- *Top* - (a) standard desk and desk cover, (b) deep desk and desk cover, (c) standard turret, (d) deep turret, (e) standard desk/turret combination, (f) deep desk/turret combination, (g) another base and base cover, or (h) data terminal
- *Stand Alone* - Console

**STEP 4 - External Accessories (if applicable):** plinth, footrest, window doors or depth extension

**STEP 5 - Internal Accessories (if applicable):** electrical mounting panels, electronic mounting rails, swing frames, etc.
Series 2000 Modular Console System - NEMA 12, 4, 4X
Base Units

Application
- Flexible design provides panel mount or rack mount capabilities for a variety of applications.
- Generally used in combination with other modular console components (ie. another base, terminal, desk and/or turret).
- Available in either single or dual access format.
- Smooth lines and clean edges provide an attractive, contemporary appearance.

Standards
**RAL 7035 Light Gray**
- UL 508 Type 3R, 4, 12
- CSA Type 3R, 4, 12, 13
- EIA RS-310-D
- Complies with
  - NEMA Type 3R, 4, 12
  - IEC 60529, IP66

**Stainless Steel (Type 304)**
- UL 508 Type 3R, 4, 4X, 12
- CSA Type 3R, 4, 4X, 12
- EIA RS-310-D
- Complies with
  - NEMA Type 3R, 4, 4X, 12
  - IEC 60529, IP66

Construction
- Formed 14 gauge steel bodies with 14 gauge steel door.
- Also offered with formed 14 gauge 304 stainless steel bodies with 14 gauge 304 stainless steel door.
- Smooth, continuously welded seams.
- Body stiffeners are provided where required for increased strength and rigidity.
- Offered in 4 widths 24", 36", 48" and 60".
- Single access version has solid sides and back, solid door on front, open top, and closed bottom with removable access panel.
- Dual access version is same as above except has solid door on both front and back.
- 24" and 36" widths have single door on the front (and back for dual access) whereas 48" and 60" widths have two outside hinged doors on the front (and back for dual access.)
- Doors can be hinged from either side on 24" and 36" units.
- Door profiles provide increased strength and are pre-punched to provide mounting options.
- Formed lip on enclosure excludes flowing liquids and contaminants.
- Slotted quarter turn oil-tight latches secure the door, with optional tamper resistant and locking latches available.
- Stainless steel models utilize stainless steel hardware.
- Oil resistant gaskets are permanently secured.
- Features several internal stud locations for mounting of various accessories.
- A bonding screw is provided on the door and a grounding stud is provided in the enclosure.

Finish
- Available in RAL 7035 light gray textured powder coating and natural stainless steel with a smooth, brushed finish.
- Base Covers are available in the same finishes.

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 389
- Filter fans...see page 371-384
- Fan trays...see page 391
- Heaters...see page 393-396
- Series 2000 Modular Console Accessories...see page 221-228
- Rack Mount Accessories...see page 229-232
**Series 2000 Modular Console System - NEMA 12, 4, 4X Base Units**

**Single Access**

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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
Series 2000 Modular Console System - NEMA 12, 4, 4X

Desk Units

Application
- Generally used in combination with other modular console components (ie. base, pedestal, and/or turret).
- Provides an ideal sloped surface for mounting keyboards, switches, indicator lights, and/or dials.
- Open top permits mounting of a turret (usually for CRT applications) or an optional hinged desk cover (providing a flat, sturdy desk surface).
- Available in either Standard (will support Standard Turret only) or Deep (will support Deep Turret only) format.
- Smooth lines and clean edges provide an attractive, contemporary appearance.

Standards

**RAL 7035 Light Gray**
- UL 508 Type 3R, 4, 12
- CSA Type 3R, 4, 12, 13
- EIA RS-310-D
- Complies with
  - NEMA Type 3R, 4, 12
  - IEC 60529, IP66

**Stainless Steel (Type 304)**
- UL 508 Type 3R, 4, 4X, 12
- CSA Type 3R, 4, 4X, 12
- Complies with
  - NEMA Type 3R, 4, 12
  - IEC 60529, IP66

**Construction**
- Formed 14 gauge steel bodies with 14 gauge steel lid.
- Also offered with formed 14 gauge 304 stainless steel bodies with 14 gauge 304 stainless steel lid.
- Smooth, continuously welded seams without knockouts or holes.
- Body stiffeners are provided where required for increased strength and rigidity.
- Offered in 4 widths 24", 36", 48" and 60".
- Solid sides and back, lid on sloped top area, open on flat top area, bottom is solid under lid area and open under flat top area.
- Deep Desk has a 6.7" deeper top opening than standard desk allowing for support of Deep Turret - see drawings as Deep Desk has different profile (angled back) from Standard Desk (flat back.)
- Lid profiles provide increased strength.
- Formed lip on enclosure excludes flowing liquids and contaminants.
- Slotted quarter turn oil-tight latches secure the lid, with optional tamper resistant and locking latches available.
- Stainless steel models utilize stainless steel hardware.
- Oil resistant gaskets are permanently secured.
- Features several internal stud locations for mounting Desk Inner Panel.
- A bonding screw is provided on the lid and a grounding stud is provided in the enclosure.

**Finish**
- Available in RAL 7035 light gray textured powder coating and natural stainless steel with a smooth, brushed finish.
- Desk covers available in same finishes.

**Accessories**
- Desk cover...see page 223
- Desk inner panel...see page 225

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
# Series 2000 Modular Console System - NEMA 12, 4, 4X

## Desk Units

### Standard Desk Unit

**Deep Desk Unit**

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All dimensions in inches unless specified otherwise

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USA: 716.630.7030  
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Series 2000 Modular Console System - NEMA 12, 4, 4X
Turret Units

Application
• Ideal as a housing for video screens.
• Flexible design provides panel mount or rack mount capabilities for a variety of applications.
• Generally used in combination with other modular console components (ie. base, pedestal, and/or desk).
• Available in either Standard (supported by Base, Pedestal, or Standard Desk) or Deep (supported by Deep Desk only) format.
• Smooth lines and clean edges provide an attractive, contemporary appearance.

Standards
RAL 7035 Light Gray
• UL 508 Type 3R, 4, 12
• CSA Type 3R, 4, 12, 13
• EIA RS-310-D
• Complies with
  • NEMA Type 3R, 4, 12
  • IEC 60529, IP66

Stainless Steel (Type 304)
• UL 508 Type 3R, 4, 4X and 12
• CSA Type 3R, 4, 4X and 12
• EIA RS-310-D
• Complies with
  • NEMA Type 3R, 4, 4X, 12
  • IEC 60529, IP66

Construction
• Formed 14 gauge steel bodies with 14 gauge steel doors.
• Also offered with formed 14 gauge 304 stainless steel bodies with 14 gauge 304 stainless steel doors.
• Smooth, continuously welded seams without knockouts or holes.
• Body stiffeners are provided where required for increased strength and rigidity.
• Offered in 4 widths 24", 36", 48" and 60".
• Features solid sides and top, solid door on front (opens down) and back (opens up), and open bottom.
• Front door features sliding rod mechanism, which allows a 102° opening when in the lowered position.
• Rear door features manual, 3 position adjustable door stop which provides convenient support while door is in open position.
• Formed lip on enclosure excludes flowing liquids and contaminants.
• Slotted quarter turn oil-tight latches secure the door, with optional tamper resistant and locking latches available.
• Stainless steel models utilize stainless steel hardware.
• Oil resistant gaskets are permanently secured and mechanically retained.
• Features several internal stud locations for mounting of various accessories.
• A bonding screw is provided on the door and a grounding stud is provided in the enclosure.

Finish
• Available in RAL 7035 light gray textured powder coating and natural stainless steel with a smooth, brushed finish.
• 24" Front Window Door available in same finishes.

Accessories
• Air conditioners...see page 349-367
• Blowers...see page 389
• Filter fans...see page 371-384
• Fan trays...see page 391
• Heaters...see page 393-396
• Series 2000 Modular Console Accessories...see page 221-228
• Rack Mount Accessories ...see page 229-232

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
## Series 2000 Modular Console System - NEMA 12, 4, 4X

### Turret Units

#### Standard Turret

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#### Deep Turret

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</table>

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All dimensions in inches unless specified otherwise.
Series 2000 Modular Console System - NEMA 12, 4, 4X

Consolet

Note: Plinth and footrest shown in photo are optional.

Application
- Serves as an economical housing for operator interface applications.
- Provides an ideal sloped surface for mounting keyboards, switches, indicator lights, and/or dials.
- Provides panel mounting capabilities for a variety of applications.
- Generally used as a stand alone enclosure. Possible to put side by side with base on a single plinth (ie. 36” wide consolet with 24” base with terminal all together on a 60” plinth.
- Optional casters (require plinth) allow for a completely mobile, NEMA rated work station.
- Smooth lines and clean edges provide an attractive, contemporary appearance.

Stainless Steel (Type 304)
- UL 508 Type 3R, 4, 4X, 12
- CSA Type 3R, 4, 4X, 12
- Complies with
  - NEMA Type 3R, 4, 4X, 12
  - IEC 60529, IP66

Construction
- Formed 14 gauge steel bodies with 14 gauge steel door and lid.
- Also offered with formed 14 gauge 304 stainless steel bodies with 14 gauge 304 stainless steel door and lid.
- Smooth, continuously welded seams without knockouts or holes.
- Body stiffeners are provided where required for increased strength and rigidity.
- Offered in 4 widths 24”, 36”, 48” and 60”.
- Has solid sides and back, solid door on front, 3 point adjustable lid on sloped (20”) top, and closed bottom with removable access panel.
- 24” and 36” widths have single door on the front whereas 48” and 60” widths have two outside hinged doors on the front.
- Doors can be hinged from either side on 24” and 36” units.
- Door profiles provide increased strength and are pre-punched to provide mounting options.
- Formed lip on enclosure excludes flowing liquids and contaminants.
- Slotted quarter turn oil-tight latches secure the door and lid, with optional tamper resistant and locking latches available.
- Stainless steel models utilize stainless steel hardware.
- Oil resistant gaskets are permanently secured and mechanically retained.
- Features internal stud locations for mounting optional inner panel.
- A bonding screw is provided on the door and a grounding stud is provided in the enclosure.

Finish
- Available in RAL 7035 light gray textured powder coating and natural stainless steel with a smooth, brushed finish.

Standards
RAL 7035 Light Gray
- UL 508 Type 3R, 4, 12
- CSA Type 3R, 4, 12, 13
- EIA RS-310-D
- Complies with
  - NEMA Type 3R, 4, 12
  - IEC 60529, IP66

Accessories
- Air conditioners...see page 349-367
- Blowers...see page 389
- Filter fans...see page 371-384
- Fan trays...see page 391
- Heaters...see page 393-396
- Series 2000 Modular Console Accessories...see page 221-228
Series 2000 Modular Console System - NEMA 12, 4, 4X

Consolet

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

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<th>RAL 7035 Light Gray Part No.</th>
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</table>
Series 2000 Modular Console System - NEMA 12, 4, 4X

**Operator Interface Enclosure**

**Application**
- Ideal as a housing for a complete personal computer system including video screen, keyboard and PLC.
- Flexible design provides panel mount or rack mount capabilities for a variety of applications.
- Generally used in combination with other modular console components (ie. base or pedestal). Mounting on base provides extra room for PLC's and/or printer-paper stands.
- Optional casters (require plinth) allow for a completely mobile, NEMA rated work station.
- Smooth lines and clean edges provide an attractive, contemporary appearance.

**Standards**
- **RAL 7035 Light Gray**
  - UL 508 Type 3R, 4, 12
  - CSA Type 3R, 4, 12, 13
  - EIA RS-310-D
  - Complies with
    - NEMA Type 3R, 4, 12
    - IEC 60529, IP66
- **Stainless Steel (Type 304)**
  - UL 508 Type 3R, 4, 4X, 12
  - CSA Type 3R, 4, 4X, 12
  - EIA RS-310-D
  - Complies with
    - NEMA Type 3R, 4, 4X, 12
    - IEC 60529, IP66

**Construction**
- Formed 14 gauge steel bodies with 14 gauge steel doors.
- Also offered with formed 14 gauge 304 stainless steel bodies with 14 gauge 304 stainless steel doors.
- Smooth, continuously welded seams.
- Body stiffeners are provided where required for increased strength and rigidity.
- Offered in 24" width only.
- Features solid sides and top, 2 solid doors on front (both open downlower, smaller door for keyboard shelf) and back (opens up), and open bottom.
- Lower drop down door provides access to optional slide-out keyboard drawer.
- Front doors feature sliding rod mechanism which allows a 102° opening when in the lowered position.
- Rear door features manual, 3 position adjustable door stop which provides convenient support while door in open position.
- Formed lip on enclosure excludes flowing liquids and contaminants.
- Slotted quarter turn oil-tight latches secure the door, with optional tamper resistant and locking latches available.
- Stainless steel models utilize stainless steel hardware.
- Oil resistant gaskets are permanently secured and mechanically retained.

**Features and Accessory Features**
- Features several internal stud locations for mounting of various accessories.
- A bonding screw is provided on the door and a grounding stud is provided in the enclosure.
- Available in RAL 7035 light gray textured powder coating and natural stainless steel with a smooth, brushed finish.
- 24" Front Window Door available in same finishes.

**Accessories**
- Air conditioners...see page 349-367
- Blowers...see page 389
- Filter fans...see page 371-384
- Fan trays...see page 391
- Heaters...see page 393-396
- Series 2000 Modular Console Accessories...see page 221-228
- Rack Mount Accessories ...see page 229-232

Note: Pedestal, plinth and casters shown in photo are optional.

Note: Base and plinth shown in photo are optional.

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All dimensions in inches unless specified otherwise
Operator Interface Enclosure

Series 2000 Modular Console System - NEMA 12, 4, 4X
Terminal

Note: For added depth, see Data Terminal Extension Ring...see page 222

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**Part No.** | **Finish**                  
-------------|------------------------------
2CLD24R      | Type 4 RAL 7035 Light Gray
2CSD24R      | Type 4, 4X Stainless Steel

Terminal Keyboard shelf is optional...see page 225

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Master Selection Table - Modular Console System Components

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<thead>
<tr>
<th>System Width</th>
<th>Single Access Base</th>
<th>Dual Access Base</th>
<th>Standard Desk</th>
<th>Deep Desk</th>
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<th>System Width</th>
<th>Single Access Base</th>
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Master Selection Table - Data Terminal

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<th>Pedestal</th>
<th>24&quot; Window Door</th>
<th>Terminal Keyboard Shelf</th>
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Master Selection Table - Consolet

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All dimensions in inches unless specified otherwise
Master Selection Table - Modular Console System Components

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<td>2CLT202443</td>
<td>2CLP42418</td>
<td>2CLP82418</td>
<td>2CLF24</td>
<td>2CLS</td>
</tr>
<tr>
<td>36&quot;</td>
<td>2CLT203636</td>
<td>2CLT203643</td>
<td>2CLP43618</td>
<td>2CLP83618</td>
<td>2CLF36</td>
<td>—</td>
</tr>
<tr>
<td>48&quot;</td>
<td>2CLT204836</td>
<td>2CLT204843</td>
<td>2CLP44818</td>
<td>2CLP84818</td>
<td>2CLF48</td>
<td>—</td>
</tr>
<tr>
<td>60&quot;</td>
<td>2CLT206036</td>
<td>2CLT206043</td>
<td>2CLP44818</td>
<td>2CLP86018</td>
<td>2CLF60</td>
<td>—</td>
</tr>
<tr>
<td>Type 4, 4X Stainless Steel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24&quot;</td>
<td>2CST202436</td>
<td>2CST202443</td>
<td>2CSP42418</td>
<td>2CSP82418</td>
<td>2CSF24</td>
<td>2CSS</td>
</tr>
<tr>
<td>36&quot;</td>
<td>2CST203636</td>
<td>2CST203643</td>
<td>2CSP43618</td>
<td>2CSP83618</td>
<td>2CSF36</td>
<td>—</td>
</tr>
<tr>
<td>48&quot;</td>
<td>2CST204836</td>
<td>2CST204843</td>
<td>2CSP44818</td>
<td>2CSP84818</td>
<td>2CSF48</td>
<td>—</td>
</tr>
<tr>
<td>60&quot;</td>
<td>2CST206036</td>
<td>2CST206043</td>
<td>2CSP44818</td>
<td>2CSP86018</td>
<td>2CSF60</td>
<td>—</td>
</tr>
</tbody>
</table>

Master Selection Table - Data Terminal

| System Width | Data Terminal Data Terminal Extension Ring Single Access Base Dual Access Base Base Panel |
|--------------|-----------------------------------------------|-----------------|-------------|-----------|----------|
| Type 4 RAL 7035 Light Gray |
| 24" | 2CLD24R | 2CLD24X | 2CLB262418 | 2CLB262418 | 2CWBP24 |
| Type 4, 4X Stainless Steel |
| 24" | 2CSD24R | 2CSD24X | 2CSB262418 | 2CSB262418 | 2CWBP24 |
Series 2000 Modular Console System - NEMA 12, 4, 4X

External Components

**Pedestal**
- Maintains NEMA rating of system.
- Formed 14 gauge steel.
- Also offered with formed 14 gauge stainless steel.
- Stiffeners added for solid stability.
- Open top and bottom provides an unobstructed wireway for pull through cabling.
- Can be mounted directly on floor or on a plinth.
- Available in light gray and natural stainless steel.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLS</td>
<td>RAL 7035 Light Gray</td>
</tr>
<tr>
<td>2CSS</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

**Modular Plinth**
- Features removable front and rear panels for easy access to bottom for cabling or transport by forklift.
- For cable access, features 3 double knockouts on each end. (NOTE: not on stainless steel version)
- Available in 4" and 8" heights.
- Available in 24", 36", 48" and 60" widths.
- Maintains NEMA rating of system.
- Formed 14 gauge steel.
- Also offered with formed 14 gauge stainless steel.
- Available in light gray and natural stainless steel.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
Footrest
• Generally used in combination with plinth.
• Provides a raised foot support to relieve back stress.
• Gives the installation a "finished" appearance.
• Available in 24", 36", 48" and 60" widths.
• Maintains NEMA rating of system.
• Formed 14 gauge steel.
• Also offered with formed 14 gauge stainless steel.
• Rubber tread for added traction on footrest surface.
• Available in light gray and natural stainless steel.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Finish</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLF24</td>
<td>RAL 7035 Light Gray</td>
<td>24</td>
</tr>
<tr>
<td>2CLF36</td>
<td>2CSF36 Stainless Steel</td>
<td>36</td>
</tr>
<tr>
<td>2CLF48</td>
<td>2CSF48 Stainless Steel</td>
<td>48</td>
</tr>
<tr>
<td>2CLF60</td>
<td>2CSF60 Stainless Steel</td>
<td>60</td>
</tr>
</tbody>
</table>

Data Terminal Extension Ring
• Formed 14 gauge steel.
• Adds 6" to Data Terminal Depth.
• Maintains NEMA rating.
• Utilizes door from Data Terminal.
• Fastens flush to back of Data Terminal.
• Available in light gray and natural stainless steel.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLD24X</td>
<td>RAL 7035 Light Gray</td>
</tr>
<tr>
<td>2CSD24X</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Turret/Terminal Window Door
• Maintains the NEMA rating of the enclosure.
• Constructed of 14 gauge steel and lexan window.
• Easy field installation.
• Fits Standard Turret, Deep Turret, and Data Terminal.
• Offered in 24" width only.
• Available in light gray and natural stainless steel.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLTW24</td>
<td>RAL 7035 Light Gray</td>
</tr>
<tr>
<td>2CSTW24</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>
Series 2000 Modular Console System - NEMA 12, 4, 4X
External Components/Internal Accessories

**Base Cover**
- Should be used to close top opening (of either single or dual access) base when no other components are mounted on the base’s top.
- Constructed of 14 gauge steel.
- Available light gray and natural stainless steel.
- Can also be used on the underside of a Standard Desk Unit, Standard Turret and Data Terminal.

![Base Cover Diagram]

**Desk Cover**
- For use when no turret is used on top of desk.
- Provides a hinged, flat, sturdy desk surface.
- Available for either Standard or Deep desks.
- Constructed of 14 gauge steel.
- Features quarter turn latches for easy access into flat desk top.
- Available in light gray and natural stainless steel.

![Desk Cover Diagram]

<table>
<thead>
<tr>
<th>RAL 7035 Light Gray Part No.</th>
<th>Stainless Steel Part No.</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLBC2436</td>
<td>2CSBC2436</td>
<td>23.75</td>
<td>35.75</td>
<td>47.75</td>
<td>59.75</td>
</tr>
<tr>
<td>2CLBC3636</td>
<td>2CSBC3636</td>
<td>—</td>
<td>35.75</td>
<td>—</td>
<td>47.75</td>
</tr>
<tr>
<td>2CLBC4836</td>
<td>2CSBC4836</td>
<td>—</td>
<td>—</td>
<td>47.75</td>
<td>—</td>
</tr>
<tr>
<td>2CLBC6036</td>
<td>2CSBC6036</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>59.75</td>
</tr>
</tbody>
</table>

**Deep Depth Desk Cover**
- For use when no turret is used on top of desk.
- Provides a hinged, flat, sturdy desk surface.
- Available for either Standard or Deep desks.
- Constructed of 14 gauge steel.
- Features quarter turn latches for easy access into flat desk top.
- Available in light gray and natural stainless steel.

![Deep Desk Cover Diagram]

<table>
<thead>
<tr>
<th>RAL 7035 Light Gray Part No.</th>
<th>Stainless Steel Part No.</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLDC2443</td>
<td>2CSDC2443</td>
<td>23.75</td>
<td>35.75</td>
<td>47.75</td>
<td>59.75</td>
</tr>
<tr>
<td>2CLDC3643</td>
<td>2CSDC3643</td>
<td>—</td>
<td>35.75</td>
<td>—</td>
<td>47.75</td>
</tr>
<tr>
<td>2CLDC4843</td>
<td>2CSDC4843</td>
<td>—</td>
<td>—</td>
<td>47.75</td>
<td>—</td>
</tr>
<tr>
<td>2CLDC6043</td>
<td>2CSDC6043</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>59.75</td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
**Base Window Door**
- Maintains the NEMA rating of the enclosure.
- Constructed of 14 gauge steel and lexan window.
- Easy field installation.
- Available for the 4 base widths.
- On 2 door units, a window can be installed on one side only.
- Available in light gray and natural stainless steel.

<table>
<thead>
<tr>
<th>RAL 7035 Light Gray Part No.</th>
<th>Stainless Steel Part No.</th>
<th>Fits Base Width</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLBW24</td>
<td>2CSBW24</td>
<td>24</td>
<td>23.75</td>
<td>16.75</td>
</tr>
<tr>
<td>2CLBW36</td>
<td>2CSBW36</td>
<td>36</td>
<td>35.75</td>
<td>28.75</td>
</tr>
<tr>
<td>2CLBW48</td>
<td>2CSBW48</td>
<td>48</td>
<td>23.75</td>
<td>16.75</td>
</tr>
<tr>
<td>2CLBW60</td>
<td>2CSBW60</td>
<td>60</td>
<td>29.75</td>
<td>22.75</td>
</tr>
</tbody>
</table>

**Base Panel**
- 14 gauge steel panels are finished in white.
- Used in both single access and dual access bases.
- Available in 4 widths.
- Mounts into "C" Channel Mounting Kit (not included.)
- Hardware required for mounting into "C" channels is included.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Base Width</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CWBP24</td>
<td>24</td>
<td>22.5</td>
<td>20</td>
<td>0.75</td>
</tr>
<tr>
<td>2CWBP36</td>
<td>36</td>
<td>22.5</td>
<td>32</td>
<td>0.75</td>
</tr>
<tr>
<td>2CWBP48</td>
<td>48</td>
<td>22.5</td>
<td>44</td>
<td>0.75</td>
</tr>
<tr>
<td>2CWBP60</td>
<td>60</td>
<td>22.5</td>
<td>56</td>
<td>0.75</td>
</tr>
</tbody>
</table>

**Consolet Panel**
- 12 gauge steel panels.
- Available in 4 widths.
- Mounts onto panel mounting studs in consolet.
- Finished in white.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Consolet Width</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CWCP24</td>
<td>24</td>
<td>30.5</td>
<td>20.5</td>
<td>0.75</td>
</tr>
<tr>
<td>2CWCP36</td>
<td>36</td>
<td>30.5</td>
<td>32.5</td>
<td>0.75</td>
</tr>
<tr>
<td>2CWCP48</td>
<td>48</td>
<td>30.5</td>
<td>44.5</td>
<td>0.75</td>
</tr>
<tr>
<td>2CWCP60</td>
<td>60</td>
<td>30.5</td>
<td>56.5</td>
<td>0.75</td>
</tr>
</tbody>
</table>
Series 2000 Modular Console System - NEMA 12, 4, 4X

Internal Accessories

Desk Inner Panel
- 12 gauge steel panels.
- Used in both Standard and Deep desks.
- Available in 4 widths.
- Mounts horizontally onto panel mounting channels in bottom of desk.
- Finished in white.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Console Width</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CWDP24</td>
<td>24</td>
<td>0.5</td>
<td>22</td>
<td>16</td>
</tr>
<tr>
<td>2CWDP36</td>
<td>36</td>
<td>0.5</td>
<td>34</td>
<td>16</td>
</tr>
<tr>
<td>2CWDP48</td>
<td>48</td>
<td>0.5</td>
<td>46</td>
<td>16</td>
</tr>
<tr>
<td>2CWDP60</td>
<td>60</td>
<td>0.5</td>
<td>58</td>
<td>16</td>
</tr>
</tbody>
</table>

Terminal Keyboard Shelf
- Designed specifically for use in Data Terminal.
- Sloped wrist rest provides comfort for operator.
- Locks in place when extended.
- 20" width accommodates standard width keyboards.
- Finished in textured black.
- Slides included.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CWDSR</td>
<td>3.88</td>
<td>20</td>
<td>15.63</td>
</tr>
</tbody>
</table>

Swing Frame
- Available in 19" and 24" widths.
- Variable depth feature allows front to rear adjustment.
- Installs with either left or right hinging.
- Mounts onto Rail Support Kits (not included)...see next page.
- Clip nuts required for mounting to punched rails...see page 433
- Finished in textured black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Console Unit</th>
<th>Fits Console Size</th>
<th>Panel Width</th>
<th>Panel Height</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CSFT19</td>
<td>Turrets/Terminal</td>
<td>24,36,48,60</td>
<td>19&quot;</td>
<td>8U</td>
<td>15.75</td>
<td>19.28</td>
</tr>
<tr>
<td>2CSFT24</td>
<td>Turrets/Terminal</td>
<td>36,48,60</td>
<td>24&quot;</td>
<td>8U</td>
<td>15.75</td>
<td>24.28</td>
</tr>
<tr>
<td>2CSFB19</td>
<td>Bases</td>
<td>24,36,48,60</td>
<td>19&quot;</td>
<td>12U</td>
<td>22.09</td>
<td>19.28</td>
</tr>
<tr>
<td>2CSFB24</td>
<td>Bases</td>
<td>36,48,60</td>
<td>24&quot;</td>
<td>12U</td>
<td>22.09</td>
<td>24.28</td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
“C” Channel Mounting Kit
- For use in Turrets, Data Terminals and Bases.
- Provide adjustable (side to side) mounting support for Base Panels and all Rail Support Kits.
- Available in 4 widths.
- Finished in textured black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Console Width</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CMC24</td>
<td>24</td>
<td>23.5</td>
</tr>
<tr>
<td>2CMC36</td>
<td>36</td>
<td>33.5</td>
</tr>
<tr>
<td>2CMC48</td>
<td>48</td>
<td>47.5</td>
</tr>
<tr>
<td>2CMC60</td>
<td>60</td>
<td>59.5</td>
</tr>
</tbody>
</table>

Rail Support Kit
- Separate kits for Standard Turret/Data Terminal, Deep Turret and Bases.
- For use with Swing Frame, CRT Mounting Kit and Combination Rails.
- Mount into “C” channels (not included - see above).
- Finished in textured black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Console Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CTRSK36</td>
<td>Turret/Terminal</td>
</tr>
<tr>
<td>2CTRSK43</td>
<td>Deep Turret</td>
</tr>
<tr>
<td>2CBRSK</td>
<td>Base</td>
</tr>
</tbody>
</table>

Combination Rails
- Provide standard 19”/24” mounting for electronic equipment or other console accessories.
- Features punched universal EIA spacing.
- Mounts onto Rail Support Kits (not included - see above).
- Clip nuts required for mounting to punched rails...see page 433
- Finished in black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Units</th>
<th>Fits Console Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CTRK</td>
<td>9</td>
<td>Turrets/Terminal</td>
</tr>
<tr>
<td>2CBRK</td>
<td>13</td>
<td>Base</td>
</tr>
</tbody>
</table>

CRT Mounting Kit
- Adjustable width allows for mounting of most CRT models.
- For use in Turrets or Data Terminal.
- Mounts onto Rail Support Kits (not included - see above).
- Finished in textured black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2CRTK</td>
<td></td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
### Printer and Paper Stand
- Provides convenient pullout access and support for printers in bases.
- Two versions available for high or low applications.
- Mounts onto Combination Rails (not included)...see page 226.
- Finished in textured black.
- Slides included.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CLPS</td>
<td>Low Printer Stand</td>
<td>7.00</td>
</tr>
<tr>
<td>2CHPS</td>
<td>High Printer Stand</td>
<td>12.25</td>
</tr>
</tbody>
</table>

#### Gas Filled Door Support
- Provide "lift assist" and door support for rear Turret/Data Terminal doors and Desk lids.
- Replace standard manual door supports.
- Finished in black.
- Sold individually.
- Recommend 1 for 24”/36” and 2 for 48”/60”.

Part No. 2CDSTP

#### DIN Rail Support Kit
- Provide adjustable mounting support for DIN rails (sold separately.)
- For use in Bases only.
- Mount into "C" channels (not included)

Part No. 2CDMK

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
DIN Rails
- Field installable.
- Includes a set of 3 plated rails.
- Available in 3 industry standard profiles - DIN 1, DIN 3, and CENELEC.
- DIN Rail Support Kit required...see page 227.
- Rails have a 0.28 x 1.25 oblong slot on each end.

<table>
<thead>
<tr>
<th>Asymmetric DIN1 Profile Part No.</th>
<th>Symmetric DIN 3 Profile Part No.</th>
<th>Cenelec Profile Part No.</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2D1K12</td>
<td>2D2K12</td>
<td>2DCK12</td>
<td>9.25</td>
</tr>
<tr>
<td>2D1K16</td>
<td>2D2K16</td>
<td>2DCK16</td>
<td>13.25</td>
</tr>
<tr>
<td>2D1K20</td>
<td>2D2K20</td>
<td>2DCK20</td>
<td>17.25</td>
</tr>
<tr>
<td>2D1K24</td>
<td>2D2K24</td>
<td>2DCK24</td>
<td>21.25</td>
</tr>
<tr>
<td>2D1K30</td>
<td>2D2K30</td>
<td>2DCK30</td>
<td>27.25</td>
</tr>
</tbody>
</table>

For sizing, refer to master selection table...see page 256.

Micro Cell Cable Entry Kit
- For use in Single or Dual Access Bases.
- Constructed of 14 gauge steel.
- Features 2 cutouts for cable access.
- Underside of cutouts covered with black foam rubber, which when punctured for cable access, still maintains a virtually sealed bottom.
- Finished in textured black.

Part No. 2CMBPK

Mobile Keyboard Support
- Installs easily at any location along front of Desks or Consolet.
- Provides auxiliary or temporary keyboard support.
- 20" width accommodates standard width keyboards.
- Finished in textured black.
- Requires two drilled holes to permanently mount.

Part No. 2CMKS24
Series 2000 Modular Console System - NEMA 12, 4, 4X

Rack Mount Accessories

Flat Steel or Aluminum Panels

- Economical panels are made from high quality steel or aluminum.
- Mounting hardware not included, please order separately.
- Available in light gray (LG2), black (BK2) or gray (GY2).
- Aluminum panels are also available unfinished (UNF).

Formed Steel Panel

- A 0.50” fold top and bottom adds strength without increasing the panel thickness.
- Mounting hardware not included, please order separately.
- Available in light gray (LG2), black (BK2) or gray (GY2).

<table>
<thead>
<tr>
<th>No. of Slots</th>
<th>Panel Height Inches</th>
<th>Units</th>
<th>Flat 14 Gauge Steel (0.075”)</th>
<th>Flat 0.125” Aluminum</th>
<th>Formed 16 Gauge Steel (0.060”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1.75</td>
<td>1</td>
<td>PBPS19001…</td>
<td>PBPA19001…</td>
<td>PBFS19001…</td>
</tr>
<tr>
<td>3.50</td>
<td>2</td>
<td>PBPS19003…</td>
<td>PBPA19003…</td>
<td>PBFS19003…</td>
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</tr>
<tr>
<td>5.25</td>
<td>3</td>
<td>PBPS19005…</td>
<td>PBPA19005…</td>
<td>PBFS19005…</td>
<td></td>
</tr>
<tr>
<td>7.00</td>
<td>4</td>
<td>PBPS19007…</td>
<td>PBPA19007…</td>
<td>PBFS19007…</td>
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<tr>
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<td>5</td>
<td>PBPS19008…</td>
<td>PBPA19008…</td>
<td>PBFS19008…</td>
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<tr>
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<td>PBFS19010…</td>
</tr>
<tr>
<td>12.25</td>
<td>7</td>
<td>PBPS19012…</td>
<td>PBPA19012…</td>
<td>PBFS19012…</td>
<td></td>
</tr>
<tr>
<td>14.00</td>
<td>8</td>
<td>PBPS19014…</td>
<td>PBPA19014…</td>
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<tr>
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<td>9</td>
<td>PBPS19015…</td>
<td>PBPA19015…</td>
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<td></td>
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<td>10</td>
<td>PBPS19017…</td>
<td>PBPA19017…</td>
<td>PBFS19017…</td>
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</tr>
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<td>11</td>
<td>PBPS19019…</td>
<td>PBPA19019…</td>
<td>PBFS19019…</td>
<td></td>
</tr>
<tr>
<td>21.00</td>
<td>12</td>
<td>PBPS19021…</td>
<td>PBPA19021…</td>
<td>PBFS19021…</td>
<td></td>
</tr>
<tr>
<td>22.75</td>
<td>13</td>
<td>PBPS19022…</td>
<td>PBPA19022…</td>
<td>PBFS19022…</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>14</td>
<td>PBPS19024…</td>
<td>PBPA19024…</td>
<td>PBFS19024…</td>
<td></td>
</tr>
<tr>
<td>26.25</td>
<td>15</td>
<td>PBPS19026…</td>
<td>PBPA19026…</td>
<td>PBFS19026…</td>
<td></td>
</tr>
<tr>
<td>28.00</td>
<td>16</td>
<td>PBPS19028…</td>
<td>PBPA19028…</td>
<td>PBFS19028…</td>
<td></td>
</tr>
<tr>
<td>29.75</td>
<td>17</td>
<td>PBPS19029…</td>
<td>PBPA19029…</td>
<td>PBFS19029…</td>
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<tr>
<td>31.50</td>
<td>18</td>
<td>PBPS19031…</td>
<td>PBPA19031…</td>
<td>PBFS19031…</td>
<td></td>
</tr>
</tbody>
</table>

1 Specify color code. Light Gray (LG2), Black (BK2) or Gray (GY2).
2 Specify color code. Light Gray (LG2), Black (BK2) or Gray (GY2). When unfinished, panels are paper covered on one side.

Electronic Industries Alliance

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
Panel Width Adaptors
- Used for adapting flat 19" or 23" panels for 24" rack mounting.
- Mounting hardware not included, please order separately.
- 19" sold in pairs, 23" sold individually (only 1 required).
- Available in light gray or black.

<table>
<thead>
<tr>
<th>Panel Height</th>
<th>For 14 Ga. Steel (0.075&quot;) 19&quot; Widths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>Units</td>
</tr>
<tr>
<td>1.75</td>
<td>1²</td>
</tr>
<tr>
<td>3.50</td>
<td>2²</td>
</tr>
<tr>
<td>5.25</td>
<td>3²</td>
</tr>
<tr>
<td>7.00</td>
<td>4²</td>
</tr>
<tr>
<td>8.75</td>
<td>5²</td>
</tr>
<tr>
<td>10.50</td>
<td>6</td>
</tr>
<tr>
<td>12.25</td>
<td>7</td>
</tr>
<tr>
<td>14.00</td>
<td>8</td>
</tr>
</tbody>
</table>

¹Specify color code. Light Gray (LG1) or Black (BK1).
²23" to 24" adaptors are available in these heights only; substitute "23" for "19" in the part no.

Storage Drawer Kit
- Complete drawer kit with slides and lock.
- Available in 3 depths.
- Rear support brackets included for all depths.
- Available in light Gray or black.

<table>
<thead>
<tr>
<th>12&quot; Deep Drawer</th>
<th>19&quot; Drawer Kit Part Numbers</th>
<th>16&quot; Deep Drawer</th>
<th>22&quot; Deep Drawer</th>
<th>Panel Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDRW1900312...</td>
<td>RDRW1900316...</td>
<td>RDRW1900322...</td>
<td>3.50</td>
<td>2</td>
</tr>
<tr>
<td>RDRW1900512...</td>
<td>RDRW1900516...</td>
<td>RDRW1900522...</td>
<td>5.25</td>
<td>3</td>
</tr>
<tr>
<td>RDRW1900712...</td>
<td>RDRW1900716...</td>
<td>RDRW1900722...</td>
<td>7.00</td>
<td>4</td>
</tr>
<tr>
<td>RDRW1900812...</td>
<td>RDRW1900816...</td>
<td>RDRW1900822...</td>
<td>8.75</td>
<td>5</td>
</tr>
</tbody>
</table>

¹Specify 3 digit color code. Light Gray (LG1) or Black (BK1).
For 24" panel width versions, substitute "19" with "24" in the part number.

Equipment Slides
- Sold in pairs.
- Mounts on combination rail front flange (not included).

<table>
<thead>
<tr>
<th>Part No.</th>
<th>(A) Length</th>
<th>Weight Capacity (Pair)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSLIDE12</td>
<td>12</td>
<td>120 lb</td>
</tr>
<tr>
<td>RSLIDE16</td>
<td>16</td>
<td>130 lb</td>
</tr>
<tr>
<td>RSLIDE22</td>
<td>22</td>
<td>120 lb</td>
</tr>
</tbody>
</table>
Series 2000 Modular Console System - NEMA 12, 4, 4X

Rack Mount Accessories

Adjustable Support Angles
- Angles mount on accessory rails with either leg used as support depending on requirements.
- Slots allow up/down or front/back adjustments.
- Made of 14 gauge steel, with dimensions of 1.75" x 1.75".
- Finished in black (BK3).
- Mounting hardware not included, please order separately.

<table>
<thead>
<tr>
<th>Part No. (Pair)</th>
<th>Length (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RASA12BK3</td>
<td>9.98</td>
</tr>
<tr>
<td>RASA16BK3</td>
<td>14.95</td>
</tr>
<tr>
<td>RASA22BK3</td>
<td>20.95</td>
</tr>
</tbody>
</table>

Fixed Chassis/Shelf
- Can be used as a permanently mounted support shelf between accessory rails or as a pull-out chassis.
- Accepts optional slides for pull-out application.
- Material is 18 gauge (shelf) and 14 gauge (brackets).
- Shelf is 16.8" wide x 0.5" high.
- Refer to table at right for depth.
- Finished in white.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Panel Width</th>
<th>Shelf Depth (In.)</th>
<th>Bracket Depth (In.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RASC1912WH2</td>
<td>19</td>
<td>11.9</td>
<td>13.2</td>
</tr>
<tr>
<td>RASC1916WH2</td>
<td>19</td>
<td>15.9</td>
<td>14.9</td>
</tr>
<tr>
<td>RASC1922WH2</td>
<td>19</td>
<td>21.9</td>
<td>20.9</td>
</tr>
<tr>
<td>RASC2412WH2</td>
<td>24</td>
<td>11.9</td>
<td>13.2</td>
</tr>
<tr>
<td>RASC2416WH2</td>
<td>24</td>
<td>15.9</td>
<td>14.9</td>
</tr>
<tr>
<td>RASC2422WH2</td>
<td>24</td>
<td>21.9</td>
<td>20.9</td>
</tr>
</tbody>
</table>

Equipment Shelf
- This closed utility shelf has 1.5 diameter cord access holes in each bottom corner. Fabricated from 18 gauge steel on top, bottom and sides.
- Inside dimensions are: 17.2" (wide) x 15.0" (deep).
- Height is 1" less than panel space.
- Finished in white.
- Mounting hardware not included, please order separately.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Panel Height</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RASE1900815WH2</td>
<td>8.75</td>
<td>5</td>
</tr>
<tr>
<td>RASE1901015WH2</td>
<td>10.50</td>
<td>6</td>
</tr>
<tr>
<td>RASE1901215WH2</td>
<td>12.25</td>
<td>7</td>
</tr>
</tbody>
</table>

1 unit = 1.75"

Adjustable Support Bar
- This 16 gauge steel support fastens between accessory rails for support across rear of equipment.
- Minor modification required for use with tapped rails.
- Finished in black.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RASB19BK1</td>
<td>19</td>
</tr>
<tr>
<td>RASB24BK1</td>
<td>24</td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

© Hammond Manufacturing
Canada: 519.822.2960 or 905.456.3770   USA: 716.630.7030   Data Subject to change without notice
Optional Locks & Latches
- Field installable.
- Interchangeable with standard latches.
- Maintains NEMA Type 4, 4X, 12, 13 rating.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2WKL</td>
<td>Wing knob lock, zinc die/black</td>
</tr>
<tr>
<td>2SQI7</td>
<td>7mm square insert, black</td>
</tr>
<tr>
<td>2SQK7</td>
<td>7mm square key, fits 2SQI7</td>
</tr>
<tr>
<td>2TRI7</td>
<td>7mm triangle insert, black</td>
</tr>
<tr>
<td>2TRK7</td>
<td>7mm triangle key, fits 2TRI7</td>
</tr>
<tr>
<td>2SLI</td>
<td>Slotted insert, black</td>
</tr>
<tr>
<td>2QPL</td>
<td>Padlockable quarter turn latch, black</td>
</tr>
</tbody>
</table>

Series 2000 Console Casters
- Locking and non-locking versions.
- Mount directly to plinths.
- Sold in pairs to provide ability to mix locking and non-locking.
- Recommend 4 casters for 24”/36” and 6 casters for 48”/60”.
- Weight capacity of 500 lbs. per pair.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type</th>
<th>No. of Casters</th>
</tr>
</thead>
<tbody>
<tr>
<td>2CCSTL</td>
<td>Locking</td>
<td>2</td>
</tr>
<tr>
<td>2CCSTN</td>
<td>Non-Locking</td>
<td>2</td>
</tr>
</tbody>
</table>
1488 Series Consolets - NEMA 12, 13
Hinged Cover Consolets

Application
• Designed for use as electric, hydraulic or pneumatic control and instrument enclosures.
• Ideal for flat or surface mounting/ pedestal to provide the necessary 30° or 60° control slope.
• Provides protection from dirt, dust, oil and water.

Standards
• UL 508 Type 12, 13
• CSA Type 12, 13
• Complies with
  • NEMA Type 12, 13
  • IEC 60529, IP54

Construction
• Formed 14 gauge steel.
• Smooth, continuously welded seams.
• Construction provides either 30° or 60° slope on front cover depending on mounting position.
• Continuously hinged cover may be removed by pulling the hinge pin.
• Captive cover screws thread into sealed wells.
• Oil resistant gasket and adhesive.
• A bonding stud is provided on the door and a ground stud is provided on the enclosure.

Finish
• Cover and enclosure are phosphatized and finished in ANSI 61 gray powder coating.

Accessories
• Pedestals...see page 454
1488 Series Consoles - NEMA 12, 13
Hinged Cover Consoles

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

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Data Subject to change without notice
1471 Series Console Cabinet - NEMA 12
Sloped Front, Continuous Hinged Cover Console Cabinet

Application
• Designed to house electrical, electronic, hydraulic or pneumatic controls and instruments.
• Heavy-duty construction provides protection from dirt, dust, oil and water.
• Sloping front control panel provides an ideal surface for mounting operator controls or instrumentation.
• Interior mounting provision on removable inner panels located on the rear and sides of the enclosure.

Standards
• UL 508 Type 12
• CSA Type 12
• Complies with
  • NEMA Type 12
  • IEC 60529, IP54

Construction
• Formed 14 gauge steel.
• Smooth, continuously welded seams, without knockouts, cutouts or holes.
• Sloped front instrument panel is continuously hinged on the front (bottom) edge and secured with captive panel screws, threaded into sealed wells.
• Continuously hinged door and front instrument panel may be removed by pulling the hinge pin.
• Doors are secured with a three point latch and operated with a key locking automotive type handle.
• Oil resistant gaskets are permanently secured and mechanically retained.
• Includes three removable inner panels formed from 12 gauge steel, mounted to the back and sides of the enclosure interior.
• Collar studs are provided for mounting inner panels.
• A bonding stud is provided on the door and a grounding stud is provided in the enclosure for each door.
• A literature pocket is provided for the inside of the door.

Finish
• Cover and enclosure are phosphatized and finished in ANSI 61 gray powder coating on the outside and on the inside.
• Removable inner panels are finished in white powder coating.

Accessories
• Air conditioners...see page 349-367
• Casters...see page 455
• Door stop kit...see page 453
• Heaters...see page 393-396
• Lock kit...see page 431
• Louvered ventilating plates...see page 402
• Window kits...see page 449
1471 Series Console Cabinet - NEMA 12
Sloped Front, Continuous Hinged Cover Console Cabinet

Front View

Section Y-Y

Section X-X

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>Ship Wt. lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1471C24</td>
<td>24</td>
<td>22.13</td>
<td>21.25</td>
<td>23.18</td>
<td>21.69</td>
<td>15.25</td>
<td>17</td>
<td>165</td>
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<tr>
<td>1471C36</td>
<td>36</td>
<td>34.13</td>
<td>33.25</td>
<td>35.18</td>
<td>33.68</td>
<td>27.25</td>
<td>29</td>
<td>210</td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Eclipse Command System - NEMA 12
Command Enclosure

Application
• Designed to enclose electronic controls, instruments and components in indoor environments where dirt, dust, oil and water may be present.
• Ideal for use with suspension systems.
• Multiple mounting provisions and full front mounting space provide for ideal operator interface.
• Smooth flush surfaces and attractive finishes compliment high tech equipment.

Standards
• UL 508 type 12
• CSA type 12
• Complies with
  • NEMA Type 12 and 13
  • IEC 60529 IP54

Construction
• Formed from 16 gauge steel.
• Smooth, continuously welded seams ground smooth.
• Door stiffeners are designed to also permit additional mounting options.
• Formed lip on enclosure to exclude flowing liquids and contaminants.
• Reversible rear door is secured with slotted quarter turn fasteners.
• Door frames have zinc die-cast corners with extrusion pressed aluminum profiles.
• Door front panels are 3mm aluminum.
• Oil resistant gaskets are permanently secured.
• Bonding stud provided on door and grounding stud installed in enclosure.
• Quarter turn latches formed from mild steel.
• Formed steel hinge with stainless steel hinge pins.
• Fastening is recommended with optional Tara Plus or 50/80 suspension systems
  ...see page 239-250
• Optional red handle easily mounts horizontally to bottom of enclosure front frame. Order separately
  ...see page 238
• Heavy duty re-inforcing plate included.

Finish
• Finished in RAL 7040 gray powder coating.
• Door panel is natural aluminum.

Accessories
• Tara Plus suspension system
  ...see page 239-244
• 50 mm heavy duty suspension system...see page 245-250
• 80 mm heavy duty suspension system...see page 245-250
• Inner panels...see next page

Note: Shown with optional red handle
Eclipse Command System - NEMA 12
Command Enclosure

Optional Inner Panel
- Panel mounts on the rear door of command enclosures.
- Unfinished aluminum is 0.08" thick.

Optional Handle
- Easily mounts horizontally to bottom of enclosure front frame.
- Finished in red.

Part No. Overall Dimensions

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>L</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP12126</td>
<td>12</td>
<td>12</td>
<td>6</td>
<td>6.0</td>
<td>1.50</td>
<td>2.25</td>
<td></td>
</tr>
<tr>
<td>ECP12168</td>
<td>12</td>
<td>16</td>
<td>8</td>
<td>6.0</td>
<td>1.50</td>
<td>2.25</td>
<td></td>
</tr>
<tr>
<td>ECP161610</td>
<td>16</td>
<td>16</td>
<td>10</td>
<td>10.0</td>
<td>1.50</td>
<td>2.25</td>
<td></td>
</tr>
<tr>
<td>ECP162010</td>
<td>16</td>
<td>20</td>
<td>10</td>
<td>10.0</td>
<td>1.50</td>
<td>2.25</td>
<td></td>
</tr>
<tr>
<td>ECP20246</td>
<td>20</td>
<td>24</td>
<td>6</td>
<td>14.0</td>
<td>1.50</td>
<td>2.25</td>
<td></td>
</tr>
<tr>
<td>ECP202412</td>
<td>20</td>
<td>24</td>
<td>12</td>
<td>14.0</td>
<td>1.50</td>
<td>2.25</td>
<td></td>
</tr>
</tbody>
</table>

Part No. Fits Enclosure

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Fits Enclosure</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECPH12</td>
<td>ECP12126</td>
</tr>
<tr>
<td>ECPH16</td>
<td>ECP12168, ECP161610</td>
</tr>
<tr>
<td>ECPH20</td>
<td>ECP1620</td>
</tr>
<tr>
<td>ECPH24</td>
<td>ECP202412, ECP20246</td>
</tr>
</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Suspension Systems - NEMA 12, 13
Tara Plus Suspension System

Application
• Tara Plus enclosure suspension systems are designed for light and medium loads.
• The strength of tube and cast fittings provide a highly flexible robust system.

Standards
• Complies with
  • IEC 60529 IP54

Construction
• Enclosure coupling and elbow coupling fittings are die-cast from G AL SI 12 aluminum.
• Suspension tubing is steel.

Finish
• Fittings are finished in RAL 7040 window gray.
• Suspension tubing is RAL 7035 light gray.

Suspension Tube

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Outside mm</th>
<th>Inside mm</th>
<th>Tolerance</th>
<th>Length Metres</th>
<th>Length Feet</th>
<th>Ship Wt. lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round Tubes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R144-301-000</td>
<td>48</td>
<td>42</td>
<td>±0.25</td>
<td>1</td>
<td>3.28</td>
<td>10</td>
</tr>
<tr>
<td>R144-321-000</td>
<td>70</td>
<td>62</td>
<td>±0.25</td>
<td>1</td>
<td>3.28</td>
<td>25</td>
</tr>
<tr>
<td>R144-321-500</td>
<td>70</td>
<td>62</td>
<td>±0.25</td>
<td>1.5</td>
<td>4.92</td>
<td>38</td>
</tr>
<tr>
<td>Rectangular Tubes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R144-311-000</td>
<td>60 x 40</td>
<td>54 x 34</td>
<td>±0.50</td>
<td>1</td>
<td>3.28</td>
<td>13</td>
</tr>
<tr>
<td>R144-311-500</td>
<td>60 x 40</td>
<td>54 x 34</td>
<td>±0.50</td>
<td>1.5</td>
<td>4.92</td>
<td>26</td>
</tr>
</tbody>
</table>

Measurement Conversions
1 kg = 9.81 N
1 lb = 4.44 N
e.g. 500 Newtons = 51 kg = 112.4 lbs
300 Newtons = 30.6 kg = 67.4 lbs
100 Newtons = 10.2 kg = 22.5 lbs

1 foot = 0.305 m
Suspension Systems - NEMA 12, 13
Tara Plus Suspension System

**Coupling**
- Attaches to enclosure.
- Accepts 48mm round tube, perpendicular to enclosure top/bottom.
- Die-cast Aluminum G Al Si 12.
- Adjustable torque resistance.
- Rotates 300°.

**Tilt Coupling**
- Attaches to enclosure.
- Accepts 48mm round tube perpendicular to enclosure top/bottom.
- Die-cast Aluminum G Al Si 12.
- Rotates 300°.
- Features an adjustable tilt mechanism up to 35°.

**Elbow Coupling**
- Attaches to enclosure.
- Accepts 60x40mm rectangular tube parallel to enclosure top/bottom.
- Die-cast Aluminum G Al Si 12.
- Adjustable torque resistance.
- Rotates 300°.
- Accessible from the top.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
Suspension Systems - NEMA 12, 13
Tara Plus Suspension System

**Tilt Elbow Coupling**
- Attaches to enclosure.
- Accepts 60x40mm rectangular tube parallel to enclosure top/bottom.
- Die-cast Aluminum G Al Si 12.
- Rotates 300°.
- Features an adjustable tilt mechanism up to 35°.

**Fixed Elbow 48**
- For use with 48mm round tube and 60x40mm rectangular tube.
- Vertical 48mm tube connection for use with Couplings only (not Base 48).
- Die-cast Aluminum G Al Si 12.
- Large cover opening for easier cable pull through.
- No rotation.
- Accessible from the top.

**Fixed Elbow 70**
- For use with 70mm round tube and 60x40mm rectangular tube.
- Die-cast Aluminum G Al Si 12.
- No rotation.
- Accessible from the top.

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
**Suspension Systems - NEMA 12, 13**

**Tara Plus Suspension System**

---

**Base 48**
- For use with 48mm round tube.
- Not for use with any horizontal configurations.
- Compatible with tube up or tube down configurations.
- Die-cast Aluminum G Al Si 12.
- No rotation.

**Base 70**
- For use with 70 mm tube.
- Compatible with all vertical and horizontal configurations.
- Compatible with tube up or tube down configurations.
- Die-cast Aluminum G Al Si 12.
- No rotation.

---

**Rotating Elbow**
- For use with 70mm round tube and 60x40mm rectangular tube.
- Die-cast Aluminum G Al Si 12.
- Rotates 300°.
- Accessible from the top.

---

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
Suspension Systems - NEMA 12, 13
Tara Plus Suspension System

Rotating Base 70
- For use with 70 mm tube.
- Compatible with all vertical and horizontal configurations.
- Compatible with tube up or tube down configurations.
- Die-cast Aluminum G A1 Si 12.
- Rotates 300°.
- Integrated movement stop.
- Service free bearings.

Socket Joint
- Accepts 60x40mm rectangular tube parallel to its mounting surface.
- Die-cast Aluminum G A1 Si 12.
- Integrated movement stop.
- Service free bearings.
- Rotates 300°.
- Adjustment screws (red screws).
- Accessible from the top.

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

www.hammondmfg.com
Suspension Systems - NEMA 12, 13
Tara Plus Suspension System

Wall Joint
- Accepts 60x40mm rectangular tube perpendicular to its mounting surface.
- Die-cast Aluminum G Al Si 12.
- Rotates 186°.
- Accessible from the top.

Intermediate Joint
- Accepts 60x40mm rectangular tube.
- Die-cast Aluminum G Al Si 12.
- Integrated movement stop.
- One piece bellow.
- Rotates 300°.

Vertical Wall Joint
- Accepts 70mm tube parallel to its mounting surface.
- Die-cast Aluminum G Al Si 12.
- Rotates 316°.

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Suspension Systems - NEMA 12, 13
Heavy Duty 50 mm or 80 mm

Application
• Command 50mm and 80mm enclosure suspension systems are designed for medium and heavy loads.
• The strength of square tube and cast fittings provide a highly flexible, robust system.

Standards
• Complies with
  • IEC 60529, IP 54

Construction
• Enclosure coupling and elbow coupling fittings are die-cast from G AI Si 12 aluminum.
• All other fittings are die-cast 4G-s.g. iron.
• Suspension tubing is steel.

Finish
• Fittings are finished in RAL 7040 window gray powder coating.
• Suspension tubing is RAL 7035 light gray powder coating.
Suspension Systems - NEMA 12, 13
Heavy Duty 50 mm or 80 mm

Measurement Conversions
1 kg = 9.81 N  
1 lb = 4.44 N

e.g.  
500 Newtons = 51 kg = 112.4 lbs
300 Newtons = 30.6 kg = 67.4 lbs
100 Newtons = 10.2 kg = 22.5 lbs

1 foot = 0.305 m

Suspension Tube

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Outside mm</th>
<th>Inside mm</th>
<th>Tolerance</th>
<th>Length Metres</th>
<th>Length Feet</th>
<th>Ship Wt. lbs</th>
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<td>6.56</td>
<td>33</td>
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</table>

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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Suspension Systems - NEMA 12, 13
Heavy Duty 50 mm or 80 mm Components

Enclosure Coupling
- Cast aluminum.
- Large thrust flange.
- Fastens with 4 hex socket screws.
- Adjustable torque resistance.
- Features a rotation range of 300°.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>System</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Ship Wt. lbs.</th>
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<td></td>
<td>mm</td>
<td>145</td>
<td>80</td>
<td>72</td>
<td>139</td>
<td>87</td>
<td>85</td>
<td></td>
</tr>
</tbody>
</table>

Elbow Coupling
- Cast Aluminum
- Large thrust flange.
- Fastens with 4 hex socket screws.
- Adjustable torque resistance.
- Features a rotation range of 300°.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>System</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Ship Wt. lbs.</th>
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<tr>
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<tr>
<td></td>
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<td>106</td>
<td>147</td>
<td>96</td>
<td>58</td>
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<td>R147-035-200R</td>
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<td></td>
<td>mm</td>
<td>208.5</td>
<td>139</td>
<td>190</td>
<td>139</td>
<td>87</td>
<td></td>
</tr>
</tbody>
</table>
Elbow
- Cast Aluminum
- Large cover opening for easier cable pull through.

Intermediate Joint
- 4G-s.g. cast iron.
- Integrated movement stop.
- One piece bellow.
- Two sleeves.
- Features a rotation range of 170°.

### Suspension Systems - NEMA 12, 13
Heavy Duty 50 mm or 80 mm Components

<table>
<thead>
<tr>
<th>Part No.</th>
<th>System</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Ship Wt. lbs.</th>
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<td>60</td>
<td>40</td>
<td>50</td>
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<tr>
<td>R147-020-200R</td>
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<td>2.76</td>
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<tr>
<td></td>
<td>mm</td>
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<td>56</td>
<td>83</td>
<td>70</td>
<td>80</td>
<td></td>
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<table>
<thead>
<tr>
<th>Part No.</th>
<th>System</th>
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<th>C</th>
<th>Ship Wt. lbs.</th>
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<td>mm</td>
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<td>190</td>
<td>94</td>
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Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Suspension Systems - NEMA 12, 13
Heavy Duty 50 mm or 80 mm Components

Wall Joint
- 4G-s.g. cast iron.
- Integrated movement stop.
- One piece bellow.
- Two sleeves.
- Features a rotation range of 170°.

Socket Joint
- Cast Aluminum.
- Integrated movement stop.
- Service free bearings.
- Features a rotation range of 300°.
- Can mount on top of machine or inverted.

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Suspension Systems - NEMA 12, 13
Heavy Duty 50 mm or 80 mm Components

Cast Iron Base
- 4G-s.g. cast iron.
- Gasket included.
- Does not rotate.

Slope Adaptor
- Provides 30° or 60° incline by mounting to rear of enclosure.
- Cast aluminum.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>System</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Ship Wt. lbs.</th>
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</thead>
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<td>100</td>
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<td>125</td>
<td>95</td>
<td>50</td>
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<tr>
<td>R147-030-200R</td>
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<td>mm</td>
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<td>130</td>
<td>200</td>
<td>173</td>
<td>125</td>
<td>80</td>
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</table>

Suspension Systems - NEMA 12, 13
Heavy Duty 50 mm or 80 mm Components

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All dimensions in inches unless specified otherwise

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Pushbutton Enclosures - NEMA 12, 13

Miniature Pushbutton MPB Series

Application
- Designed to accept 22mm miniature oil tight pushbuttons, switches and pilot lights.
- Provides protection from dirt, dust, oil and water.

Standards
- UL 508 Type 12 and 13
- CSA Type 12 and 13
- Complies with
  - NEMA Type 12 and 13
  - JIC EMP-1-1967
  - JIC EGP-1-1967
  - IEC 60529, IP54
- Appropriate components are required to maintain these standards.

Construction
- Formed 14 gauge steel except the MPB1 which is 16 gauge.
- Smooth continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Captive cover screws thread into sealed wells.
- Larger enclosures provide internally hinged removable covers, designed to hold the cover open during wiring (see table).
- Oil resistant gasket and adhesive.
- A bonding stud is provided on the door and a grounding stud is provided on the enclosure.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray powder coating.

Accessories
- Hole plugs...see page 435
- Pedestals...see page 454

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Pushbutton Enclosures - NEMA 12, 13
Miniature Pushbutton MPB Series

Operator Interface Enclosure

Pushbutton Enclosures

Front View
Body Type MPB6 through MPB12 (Hinged)

Side View

Hinge Detail
Retractable pin allows door to be mounted on left or right side

Overall Dimensions

<table>
<thead>
<tr>
<th>Part No.</th>
<th>No. of Holes</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>L</th>
<th>W</th>
<th>Z</th>
<th>Ship Wt. lbs.</th>
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<td>1.71</td>
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<td>MPB2†</td>
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<td>3.50</td>
<td>1.88</td>
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<td>1.71</td>
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<td>1.88</td>
<td>7.50</td>
<td>1.71</td>
<td>6.25</td>
<td>8.00</td>
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<td>7.31</td>
<td>3</td>
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<tr>
<td>MPB4†</td>
<td>4</td>
<td>8.88</td>
<td>2.75</td>
<td>3.50</td>
<td>1.88</td>
<td>9.38</td>
<td>1.71</td>
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<td>10.69</td>
<td>6</td>
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</tbody>
</table>

1† Not hinged

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
Pushbutton Enclosures - NEMA 12, 13
1435/1435M Series

Application
- Designed to accept standard heavy duty oil tight pushbuttons, switches and pilot lights.
- Provides protection from dirt, dust, oil and water.

Standards
- UL 508 Type 12 and 13
- CSA Type 12 and 13
- Complies with
  - NEMA Type 12 and 13
  - JIC standard EGP-1-1967
  - IEC 60529, IP54
- Appropriate components are required to maintain these standards.

Construction
- Formed 14 gauge steel except A and B which are 16 gauge.
- Smooth continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Captive cover screws thread into sealed wells.
- Larger enclosures provide internally hinged removable covers, designed to hold the cover open during wiring (see table).
- Oil resistant gasket and adhesive.
- A bonding stud is provided on the door and a grounding stud is provided on the enclosure.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray powder coating.

Accessories
- Hole plugs...see page 435
- Pedestals...see page 454

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
### Pushbutton Enclosures - NEMA 12, 13
1435/1435M Series

**Pushbutton Enclosures - NEMA 12, 13**

**1435/1435M Series**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>No. of Holes</th>
<th>Overall Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1435A¹</td>
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<tr>
<td>1435B¹</td>
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<td>5.75</td>
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<tr>
<td>1435C¹</td>
<td>3</td>
<td>8.00</td>
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<td>1435D¹</td>
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<td>1435F</td>
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<td>1435S</td>
<td>16</td>
<td>11.75</td>
</tr>
</tbody>
</table>

¹ Not Hinged

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
Pushbutton Enclosures - NEMA 4, 4X
1435/1435M Stainless Steel Series

Application
- Designed to accept standard heavy duty oil tight pushbuttons, switches and pilot lights.
- Provides protection from dirt, dust, oil and large amounts of water from any angle, or where highly corrosive conditions exist.

Standards
- UL 508 Type 4 and 4X
- CSA Type 4 and 4X
- Complies with
  - NEMA Type 3R, 4 and 4X
  - JIC Standard EGP-1-1967
  - IEC 60529, IP66
- Appropriate components are required to maintain these standards.

Construction
- Formed 14 gauge stainless steel except A and B which are 16 gauge.
- 304 or 316 SS see table.
- Smooth continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Captive stainless steel cover screws thread into sealed wells.
- Larger enclosures provide internally hinged removable covers, designed to hold the cover open during wiring (see table).
- Oil resistant gasket and adhesive.
- A bonding stud is provided on the door and a grounding stud is provided on the enclosure.

Finish
- Natural stainless steel with a smooth brushed finish.

Accessories
- Hole plugs...see page 435

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise.
Pushbutton Enclosures - NEMA 4, 4X
1435/1435M Stainless Steel Series

Front View
Body Type F through S (Hinged)

Hinge Detail
Retractable pin allows door to be mounted on left or right side

Part No.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Overall Dimensions</th>
<th>Ship Wt. lbs.</th>
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</thead>
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<td>1435MSSB</td>
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<td>1435MSSO</td>
<td>1435SSO</td>
<td>1435MS16O</td>
</tr>
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</table>

1 Not Hinged
Pushbutton Enclosures - NEMA 12, 13
1437/ 1437M Extra Deep Series

Application
- Designed to accept standard heavy duty oil tight pushbuttons, switches and pilot lights.
- Provides protection from dirt, dust, oil and water.

Standards
- UL 508 Type 12 and 13
- CSA Enclosure 12 and 13
- Complies with
  - NEMA Type 12 and 13
  - IEC 60529, IP54
  - JIC STD EGP-1-1967
- Appropriate components are required to maintain these standards.

Construction
- Formed from 14 gauge steel except A which is 16 gauge.
- Smooth continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Captive cover screws fasten into threaded, sealed wells.
- Larger enclosures provide internally hinged removable covers, designed to hold the cover open during wiring (see table).
- Oil resistant gasket and adhesive.
- A bonding stud is provided on the door and a grounding stud is provided on the enclosure.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray powder coating.

Accessories
- Hole plugs...see page 435
- Pedestals...see page 454

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise

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### Pushbutton Enclosures - NEMA 12, 13

#### 1437/1437M Extra Deep Series

#### Pushbutton Enclosures

**Operator Interface Enclosure**

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### Technical Specifications

#### Part No. Details

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### Notes

- **1437A** (Not Hinged)
- **1437MA** (Hinged)
- **1437/1437M** Extra Deep Series
- Technical references and CAD downloads available at www.hammondmfg.com
- All dimensions in inches unless specified otherwise

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Pushbutton Enclosures - NEMA 4, 4X
1437 Stainless Steel Series

Application
- Designed to accept standard heavy duty oil tight pushbuttons, switches and pilot lights.
- Provides protection from dirt, dust, oil and water.

Standards
- UL 508 Type 4 and 4X
- CSA Enclosure 4 and 4X
- Complies with
  - NEMA Type 4 and 4X
  - IEC 60529, IP66
  - JIC STD EGP-1-1967
- Appropriate components are required to maintain these standards.

Construction
- Formed from 14 gauge steel except A which is 16 gauge.
- Smooth continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Captive cover screws fasten into threaded, sealed wells.
- Larger enclosures provide internally hinged removable covers, designed to hold the cover open during wiring (see table).
- Oil resistant gasket and adhesive.
- A bonding stud is provided on the door and a grounding stud is provided on the enclosure.

Finish
- Natural stainless steel with a smooth brushed finish.

Accessories
- Hole plugs...see page 435
- Pedestals...see page 454

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
## Pushbutton Enclosures - NEMA 4, 4X
### 1437 Stainless Steel Series

**Front View**
Body Type B through S (Hinged)

**22.5mm Detail**
(1437M Series)

**Hinge Detail**
Retractable pin allows door to be mounted on left or right side

### Pushbutton Enclosures

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¹ not hinged

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All dimensions in inches unless specified otherwise

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Pushbutton Enclosures - NEMA 12
1489/1489M Continuous Hinge Series

Application
- Designed to accept standard heavy duty oil tight pushbuttons, switches and pilot lights.
- Provides protection from dirt, dust, oil and water.

Standards
- UL 508 Type 12
- CSA Type 12
- JIC standard EGP-1-1967, EMP-1-1967
- Complies with
  - NEMA Type 12
  - IEC 60529, IP54
- Appropriate components are required to maintain these standards.

Construction
- Formed 14 gauge steel.
- Smooth continuously welded seams.
- Welded brackets provide for enclosure mounting.
- Continuously hinged cover is secured with captive, plated steel screws which fasten into threaded sealed wells.
- Oil resistant gasket and adhesive.
- Weldnuts are provided for mounting inner panels.
- A removable 14 gauge inner panel is included.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

Finish
- Cover and enclosure are phosphatized and finished in ANSI 61 gray powder coating.
- Removable inner panel is finished in white powder coating.

Accessories
- Hole plugs...see page 435
- Pedestals...see page 454

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
## Pushbutton Enclosures - NEMA 12

### 1489/1489M Continuous Hinge Series

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Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise

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Data Subject to change without notice
Pushbutton Enclosures - NEMA 12, 13
1490/1490M Sloped Front Consolet Series

Application
• Designed to accept standard heavy duty oil tight pushbuttons, switches and pilot lights.
• Ideal for wall or surface mounting to provide the necessary control slope.
• Provides protection from dirt, dust, oil and water.

Standards
• UL 508 Type 12 and 13
• CSA Type 12 and 13
• JIC standard EGP-1-1967
• Complies with
  • NEMA Type 12 and 13
  • IEC 60529, IP54
• Appropriate components are required to maintain these standards.

Construction
• Formed 14 gauge steel.
• Smooth continuously welded seams.
• Construction provides either a 30° or 60° slope on front cover depending on mounting position.
• Welded brackets provide for enclosure mounting.
• Captive cover screws thread into sealed wells.
• Larger enclosures provide internally hinged removable covers designed to hold the cover open during wiring (as noted in table).
• Oil resistant gasket and adhesive.
• A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

Finish
• Cover and enclosure are phosphatized and finished in ANSI 61 gray powder coating.

Accessories
• Hole plugs...see page 435
• Pedestals...see page 454

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Pushbutton Enclosures - NEMA 12, 13
1490/1490M Sloped Front Consolet Series

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1 Not hinged

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise.
Polycarbonate Modular Enclosures - NEMA 4, 4X
1554 Series - Pushbutton Lift-Off Cover Enclosures, 22 mm and 30.5 mm

Standards
- cULus Type 4, 4X
- Complies with
  - NEMA 4, 4X, 12 and 13
  - IEC 60529, IP66
- Appropriate components are required to maintain these standards.

Construction
- Electronic instrument enclosures, designed for mounting printed circuit boards or DIN rail mounted components.
- The polycarbonate material carries a UL flammability rating of UL94 5V and is suitable for outdoor use.
- Lid and mounting holes are located outside of the gasket seal.
- Lid is secured with self captivating M4 stainless steel machine screws (included), threaded into integral stainless steel bushings (for repetitive assembly & disassembly).
- Heavy duty 16 gauge galvanized steel panels available (see chart)
- All stainless steel hardware to avoid corrosion caused by dissimilar metals.
- Gasket is factory poured using high temperature U.L. listed - silicone rubber gasket material.
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust and water.
- Internal DIN rail mounting tabs.
- Threaded (M3) integral brass inserts & standoffs designed for M3.5 or #6 self tapping screws for P.C. board or inner panel mounting in all but the smallest size.
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size.

Finish
- Color is light gray (RAL 7035)

Optional Inner Panel
- Heavy duty panels for mounting components...see next page
- Galvanized 16 ga. steel.
- Includes mounting hardware.
### Polycarbonate Modular Enclosures - NEMA 4, 4X
1554 Series - Pushbutton Lift-Off Cover Enclosures, 22 mm and 30.5 mm

#### Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise.
Polyester Modular Enclosures - NEMA 4, 4X
PJ Series - Solid Cover & Inline Pushbutton Enclosures, 22 mm and 30.5 mm

Application
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides outstanding insulation and protection where equipment may be hosed down or be very wet.
- Ideal in applications with high temperatures or highly corrosive environments.

Standards
- UL 508 Type 1, 2, 3, 4, 4X, 12 and 13
- CSA Type 1, 2, 3, 4, 4X, 12 and 13
- Complies with
  - NEMA Type 1, 2, 3, 4, 4X, 12 and 13
  - IEC 60529, IP66

Construction
- Molded fiberglass polyester enclosure with matching cover is easily punched, cut, or drilled.
- Standard JIC sizes under 18” x 16”.
- Threaded brass inserts are provided for optional inner panel.
- Cover is fastened with captive stainless steel screws in threaded brass inserts.
- Captive oil resistant gasket provides a positive seal.
- Mounting through rear holes on enclosure. Use #8 x 1 inch screw (not included).
- Enhanced UV inhibitors protect against outdoor weathering.
- Solid cover series available with and without mounting feet.
- Operating temperatures between 130°C and -40°C (266°F to -40°F).
- Impact index of 6.78J (5 ft/lb).
- For corrosion resistance information, please refer to table in Technical Information.

Finish
- Fiberglass polyester material has a gray finish.
- Optional steel inner panel is available in white powder coated finish.
### Pushbutton Series

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<th>Optional Steel Inner Panel Dimensions</th>
</tr>
</thead>
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<tr>
<td>PJ744</td>
<td>Yes</td>
<td>A 6.74, B 3.93, C 3.88</td>
<td>D 6.01, E 3.26, F 3.63</td>
<td>PJP74 4 x 3.13</td>
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<td>PJ744FS</td>
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<td>PJP74 4 x 3.13</td>
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</tbody>
</table>

Technical references and CAD downloads available at www.hammondmfg.com

All dimensions in inches unless specified otherwise
Polyester Modular Enclosures - NEMA 4X
PJ Series - Pushbutton Lift Off and Hinged Screw Cover 30.5mm

**Application**
- Designed for use as instrument enclosures, electric, hydraulic or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides outstanding insulation and protection where equipment may be hosed down or be very wet.
- Ideal in applications with high temperatures or highly corrosive environments.

**Standards**
- UL 508 Type 1, 2, 3, 4, 4X, 12 and 13
- CSA Type 1, 2, 3, 4, 4X, 12 and 13
- Complies with
  - NEMA Type 1, 2, 3, 4, 4X, 12 and 13
  - IEC 60529, IP66

**Construction**
- Molded fiberglass polyester enclosure with matching cover is easily punched, cut, or drilled.
- Standard JIC sizes under 18° x 16°.
- Threaded brass inserts are provided for optional inner panel or terminal kit mounting.
- Cover is fastened with captive stainless steel screws in threaded brass inserts.
- Captive oil resistant gasket provides a positive seal.
- Threaded brass inserts are provided for mounting feet to the rear of the enclosure.
- Stainless steel mounting brackets and hardware are provided for mounting to the rear of the enclosure.
- Enhanced UV inhibitors protect against outdoor weathering.
- Operating temperatures between 130°C and -40°C (266°F to -40°F).
- Impact index of 6.78J (5 ft/lb).
- For corrosion resistance information, please refer to table in Technical Information.

**Finish**
- Fiberglass polyester material has a gray finish.
- Optional inner panels are available in white powder coated finished steel or unfinished aluminum.

**Accessories**
- Painted steel inner panels...see page 436
- Unfinished aluminum inner panels...see page 436
- Galvanized Panels...see page 436
- Terminal kit assemblies...see page 441

**Lift Off Cover**
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Overall Dimensions</th>
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<tr>
<td>PJ664P4</td>
<td>4.18 4.88 3.76 5.01 5.01 3.52 4.25 4.25</td>
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</table>

1 For aluminum panel...see page 380.

Technical references and CAD downloads available at www.hammondmfg.com
All dimensions in inches unless specified otherwise
Polyester Modular Enclosures - NEMA 4X

PJ Series - Pushbutton Lift Off and Hinged Screw Cover 30.5mm

Pushbutton Enclosures

Operator Interface Enclosure

Technical references and CAD downloads available at www.hammondmfg.com

1 For aluminum panel...see page 380.

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