

INLINE® Operator Interface Enclosure System



Like their industrial enclosure counterpart, these INLINE Operator Interface (OI) enclosures are remarkably well-suited to protecting vulnerable small OI devices in control applications.

All INLINE OI enclosures combine an attractive design with practical functionality. As a result, the enclosures are highly adaptable. Several different body and window styles are available for maximum flexibility. Front plates and bezels are also offered as accessories.

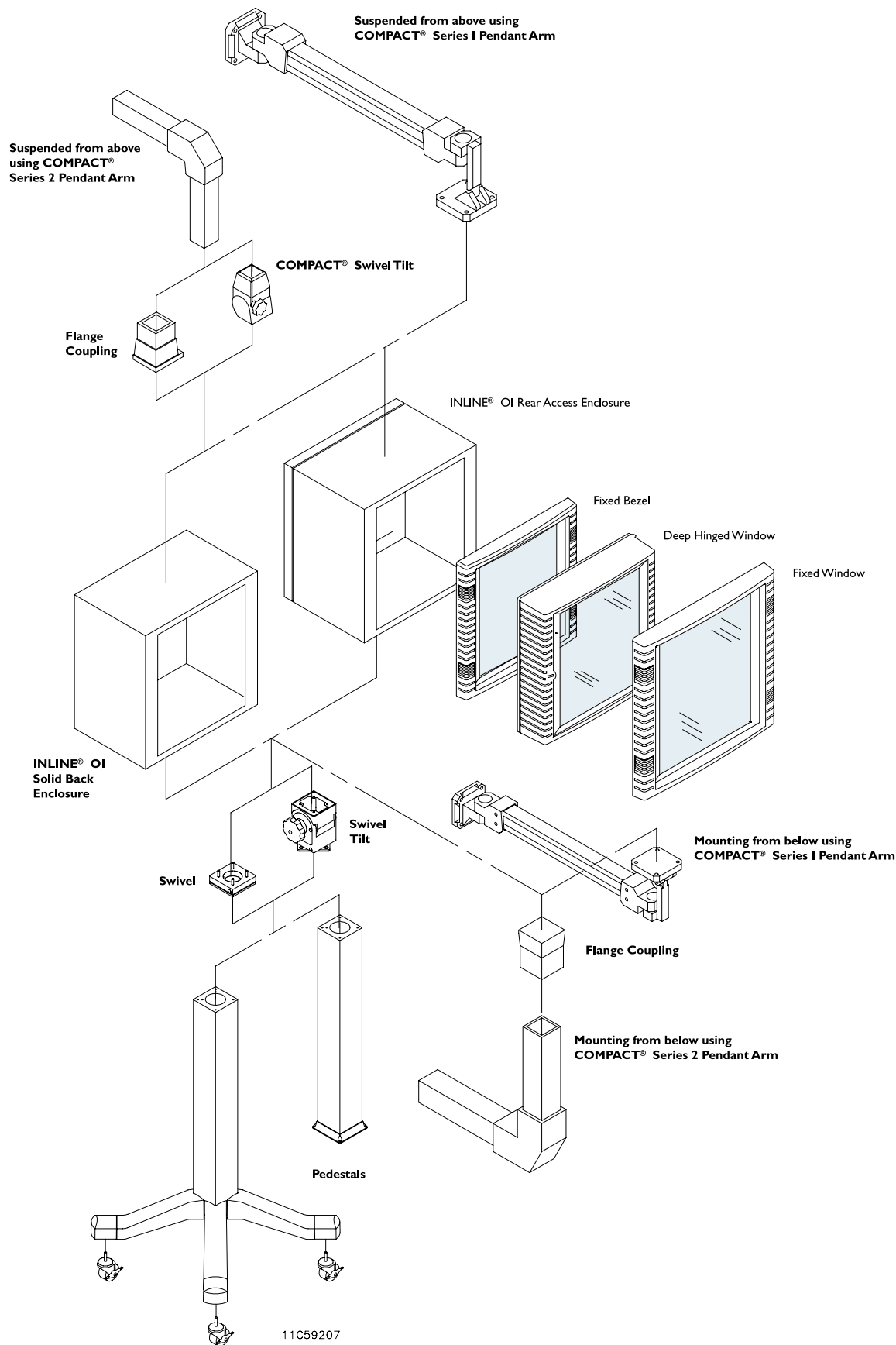
Designed to be mounted wherever operator controls are needed, INLINE OI enclosures have several mounting options. The enclosures can be easily mounted to a pedestal, wall-mounted, or attached to either the COMPACT® Series 1 or Series 2 pendant arm.

INLINE® Operator Interface Enclosure System

**OPERATOR INTERFACE
ENCLOSURE SYSTEMS**

**Bulletin
C3, A54P, A54Y**

**Operator Interface
Enclosure Systems**



INLINE® Operator Interface Enclosure System

**OPERATOR INTERFACE
ENCLOSURE SYSTEMS**
Bulletin
C3, A54P, A54Y



Application

INLINE Operator Interface enclosures can be used as control housings for a number of small flat screen OI devices, pushbuttons, lights, meters, gauges, and other similar devices. These enclosures can be configured to accommodate either subpanel or DIN rail internal mounting. Enclosures are manufactured to be pendant-, pedestal-, or wall-mounted.

Finish

RAL 7035 textured light gray polyester powder paint inside and out over phosphatized surfaces. Optional panels are white.

Industry Standards

UL 508A, File Number E61997: Type 4, 12
NEMA/EEMAC Type 4, 12
CSA File Number 42186: Type 4, 12
IEC 60529, IP66

Accessories

See Accessories for details.

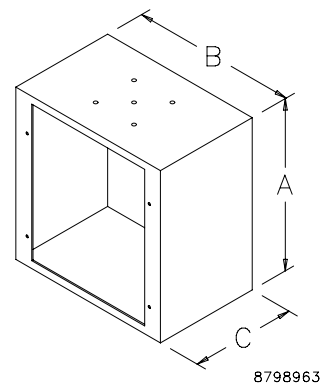
Corrosion Inhibitors
Electric Heaters
Touch-Up Paint (ATPG7035)

INLINE® Operator Interface Enclosure System

Solid Back Body

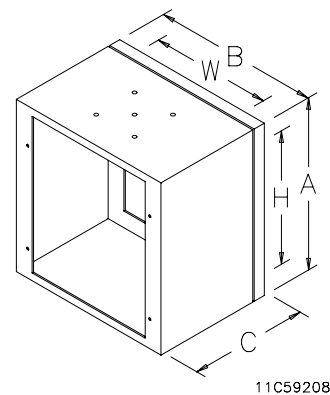
Solid back body is 16 gauge steel with open front. Front is configured to install optional fixed bezel, deep-hinged window, or fixed window. Panels or DIN rails mount on studs in the rear of the enclosure. Ground stud furnished. Drill points on enclosure mark location for pendant or pedestal mounting.

Catalog Number	A x B x C mm (in.)	Description	Product Weight
LLB161612	166 x 160 x 102 (6.54 x 6.30 x 4.00)	Solid Back Body	2.7 lb
LLB252512	250 x 250 x 102 (9.84 x 9.84 x 4.00)	Solid Back Body	5.0 lb



Rear Access Body

Enclosure body is 16 gauge steel with rear access door. Open front is configured to install optional fixed bezel, deep-hinged window, or fixed window. Rear door, furnished with foam-in-place gasket and quarter-turn latch (standard slotted insert), accepts most INLINE door accessories. Ground stud furnished. Drill points on enclosure mark location for pendant or pedestal mounting.



Catalog Number	A x B x C mm (in.)	Description	Rear Door Opening (mm)	Rear Door Opening (in.)	Product Weight
LLBR161612	166 x 160 x 120 (6.54 x 6.30 x 4.72)	Rear Access Body	148 x 142	5.82 x 5.58	3.4 lb
LLBR252512	250 x 250 x 120 (9.84 x 9.84 x 4.72)	Rear Access Body	232 x 232	9.13 x 9.13	5.7 lb

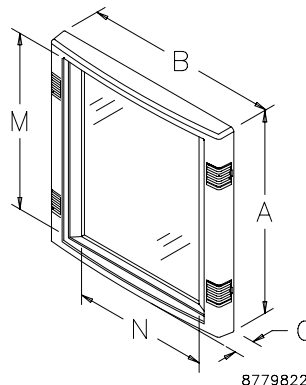
INLINE® Operator Interface Enclosure System

Fixed Window Kit



Aesthetic die-cast frame has .125-inch-thick clear polycarbonate window. Preassembled kit is secured to front opening of enclosure by mounting screws. Window frame caps conceal mounting screws. Frame has RAL 7035 light gray textured polyester powder paint.

Catalog Number	A x B x C mm (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Product Weight
LWF1616	166 x 160 x 17 (6.54 x 6.30 x 0.67)	136 x 100	5.35 x 4.30	1.5 lb
LWF2525	250 x 250 x 17 (9.84 x 9.84 x 0.67)	220 x 200	8.65 x 7.84	2.7 lb



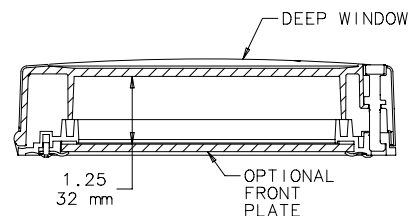
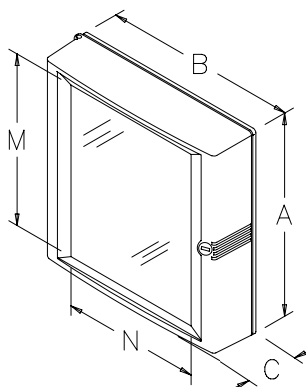
Deep-Hinged Window



Clear molded polycarbonate window has a 31.8 mm (1.25 in.) clear space between enclosure front opening and window surface. Space also accommodates equipment mounted on optional front plate. Window kit is hinged on left side, has a 140-degree door opening, and a quarter-turn slotted latch. Mounting hardware for window and optional front plate is included. Die-cast backing plate is painted with a black polyester powder finish. This kit can be used as an accessory window kit on other Hoffman enclosures.

Catalog Number	A x B x C mm (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Accepts Front Plate ^a	Product Weight
LWHD1616	166 x 160 x 41 (6.54 x 6.30 x 1.64)	139 x 112	5.47 x 4.43	LFP1616	1.5 lb
LWHD2525	250 x 250 x 41 (9.84 x 9.84 x 1.64)	223 x 202	8.78 x 7.97	LFP2525	2.8 lb

^a Order separately.



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INLINE® Operator Interface Enclosure System

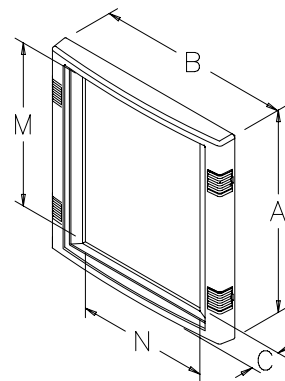
Fixed Operator Interface Bezel



Aesthetic die-cast bezel frame accepts front plate or plates with operator interface cutout. Gasket and mounting hardware are included. Furnished frame caps conceal mounting screws. Bezel has RAL 7035 light gray textured polyester powder paint.

Catalog Number	A x B x C mm (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Accepts Front Plate ^a	Product Weight
LBF1616	166 x 160 x 17 (6.54 x 6.30 x 0.67)	136 x 109	5.35 x 4.30	LFP1616	1.4 lb
LBF2525	250 x 250 x 17 (9.84 x 9.84 x 0.67)	220 x 200	8.65 x 7.84	LFP2525	2.4 lb

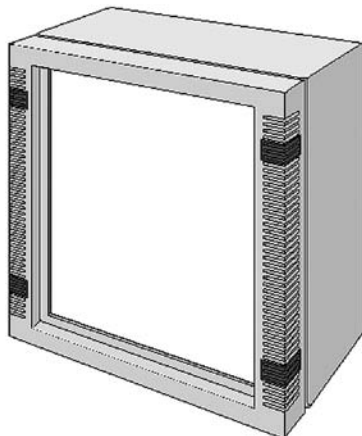
^a Purchase front plate separately.



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Operator Interface
Enclosure Systems

Front Plate

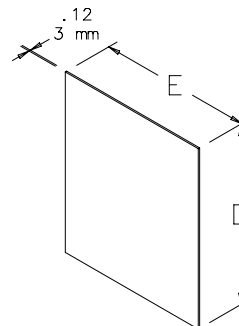


Aluminum plate is .125 inch thick. Front plate mounts to inside of bezel or deep-hinged window. (Gasket and mounting hardware are included with bezel.)

NOTE: Hoffman can provide pre-configured front plates to meet your specific requirements. Contact your local Hoffman Sales Representative for more information.

Catalog Number	D mm (in.)	E mm (in.)	Fits Bezel ^a	Fits Deep Window ^a	Product Weight
LFP1616	149 (5.85)	122 (4.80)	LBF1616	LWHD1616	0.5
LFP2525	233 (9.16)	212 (8.34)	LBF2525	LWHD2525	1.1

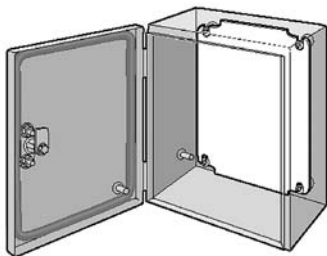
^a Purchase deep window separately.



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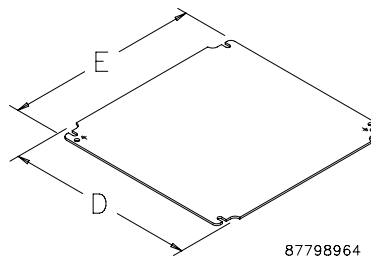
INLINE® Operator Interface Enclosure System

Panel



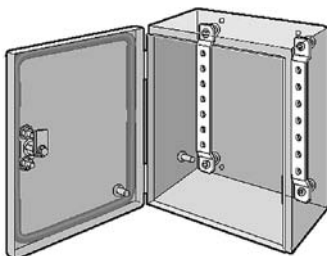
Panel is 12 gauge steel and fits solid back body enclosures only. Panels are painted white.

Catalog Number	D (mm)	D (in.)	E (mm)	E (in.)	Fits INLINE OI Enclosure	Product Weight
LP1515	131	5.16	131	5.16	LLB161612	0.7 lb
LP2520	231	9.09	181	7.13	LLB252512	1.8 lb



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DIN Rail or Panel Mounting Brackets



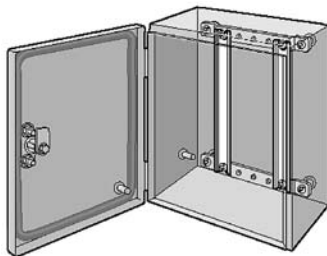
Brackets provide a mounting framework for installing DIN rails or a panel. Rails (or panel) attach to the brackets, and the brackets are bolted directly to the enclosure. Brackets are offset to permit additional space in front of or behind mounted equipment. Brackets are plated 12 gauge steel.

Catalog Number	Fits INLINE OI Enclosure	Product Weight
LMK15	LLB161612	0.5 lb
LMK20	LLB252512 ^a	0.6 lb
LMK25	LLB252512 ^b	0.7 lb

^a Fits horizontally (see drawing below).

^b Fits vertically (see drawing below).

DIN Type Rails

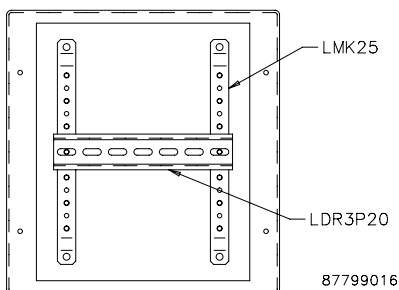


Rails furnish mounting surfaces for DIN3 mount snap-on devices. Rails attach vertically or horizontally to mounting brackets. Kit includes 4 rails, mounting hardware, and installation instructions.

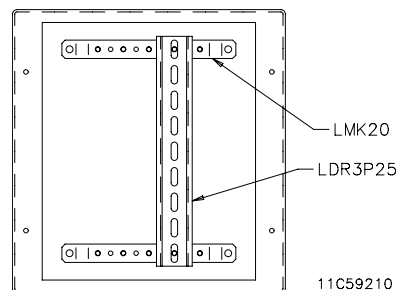
Catalog Number	Fits INLINE OI Enclosure	Product Weight
LDR3P15	LLB161612	0.4 lb
LDR3P20	LLB252512 ^a	0.5 lb
LDR3P25	LLB252512 ^b	0.7 lb

^a Fits horizontally (see drawing below).

^b Fits vertically (see drawing below).



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INLINE® Operator Interface Enclosure System

Lock Inserts



Lock inserts can be substituted for the standard slotted quarter-turn latch on hinged cover and window cover enclosures. Inserts have chrome finish. Key included. See the Accessories chapter for unique keys.

Catalog Number	Description
LLKDB	Daimler Benz
LLKDBM3	Double bit 3mm
LLKSM7	Square 7mm
LLKSM8	Square 8mm
LLKSS	Slotted

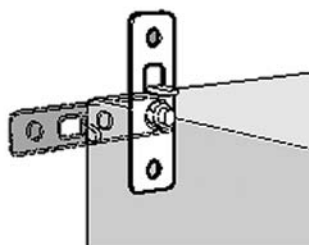
Wing Knob Latch



Wing Knob Latch can replace the standard slotted quarter-turn latch on all hinged cover and window cover enclosures. Latch is black die-cast zinc. Reduces type rating from 4 to 12. Does not maintain Type 4X rating. Two keys and installation instructions are furnished.

Catalog Number	Product Weight
LLKWK	0.2 lb

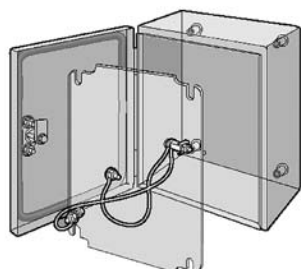
Mounting Bracket Kit



Kit is field installable on all solid back body enclosures. Hardware included. Four brackets per kit.

Catalog Number	Description	Fits Enclosure
LMFK	Plated steel mounting bracket kit	LLB161612 and LLB252512

Grounding Kit



Grounding Kit provides a means of attaching a grounding conductor to the enclosure. Kit consists of two copper wires with a ring terminal at each end. Wires are insulated. All installation hardware and instructions are included.

Catalog Number	Product Weight
LLGK	0.2 lb

CC2000 Operator Interface Enclosure System



This stylish operator interface enclosure family continues the trend of visual appeal combined with functionality and ease of use. Extruded aluminum top and sides provide a quality look, and hinged body models provide extra depth and allow rear access. Front plates are available to fit a wide variety of OI devices.

Application

These highly aesthetically appealing operator interface enclosures provide the ideal solution for applications requiring an attractive appearance. Enclosures are designed to be used with flat screen OI devices, lights, meters, gauges, and other similar equipment.

All body sizes and styles are available for pendant mounting. Hinged and solid bodies are available in the sizes shown. Rear aluminum door is standard.

These enclosures are used with the Hoffman COMPACT® Series 4 System 50, 60, or 80, or the CS600 pendant arm system.

Construction

- Extruded Type 6063 aluminum top and sides provide a quality appearance and internal flexibility
- Body is available hinged or solid
- Rear doors can be hinged on either the right or left side
- Integral mounting system has extruded screw channels to facilitate easy component installation
- Each size is designed to accommodate a range of flat screen operator interface devices
- Oil resistant gasket attached with oil resistant adhesive
- High thermal conductivity for superior heat dissipation

Finish

Enclosure vertical components are clear anodized aluminum; horizontal components are aluminum painted RAL 7043 gray aluminum.

Aluminum front plates and rear covers have a clear anodized brushed finish.

Industry Standards

UL 508A, File No. E61997: Type I2

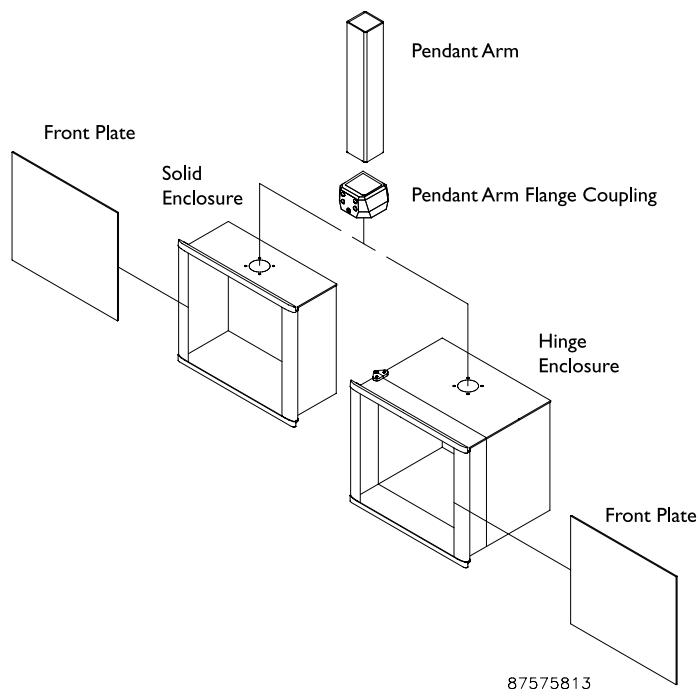
cUL CSA C22.2 No. 94, File No. E61997: Type I2

NEMA/EEMAC Type I2

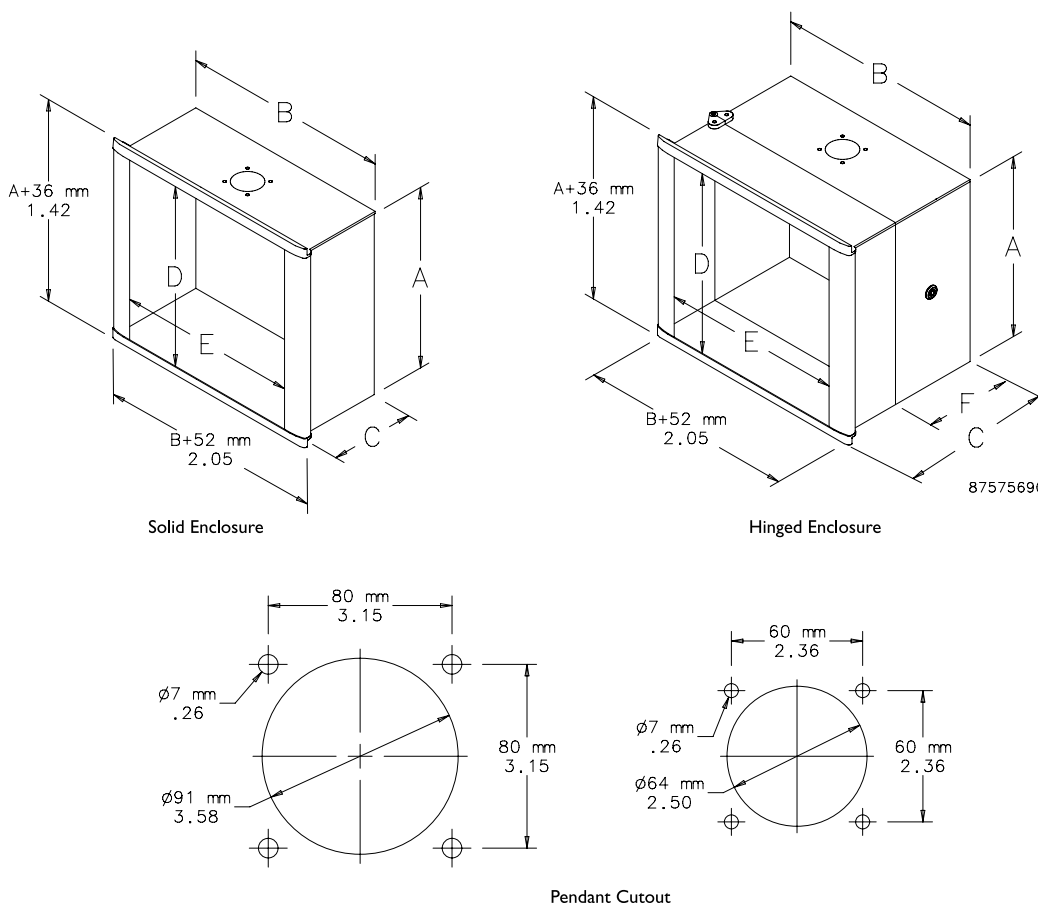
IEC 60529, IP55

DIN 40050

CC2000 Operator Interface Enclosure System



CC2000 Operator Interface Enclosure System



Standard Sizes CC2000 Operator Interface Enclosures

Catalog Number	A x B x C mm (in.)	Body Style	Usable Area D x E (mm)	Usable Area D x E (in.)	Depth F (mm)	Depth F (in.)	Cutout Size ^a	Weight (lb)
CC376129	375 x 615 x 290 (14.76 x 24.21 x 11.42)	Solid	300 x 540	11.81 x 21.26	—	—	60	32
CC466129	465 x 615 x 290 (18.46 x 24.21 x 11.42)	Solid	390 x 540	15.35 x 21.26	—	—	60	35
CC466141	465 x 615 x 418 (18.46 x 24.21 x 16.46)	Solid	390 x 540	15.35 x 21.26	—	—	60	51
CC466151	465 x 615 x 518 (18.46 x 24.21 x 21.57)	Solid	390 x 540	15.35 x 21.26	—	—	60	63
CC616129	615 x 615 x 290 (24.21 x 24.21 x 11.42)	Solid	540 x 540	21.26 x 21.26	—	—	60	39
CC616141	615 x 615 x 418 (24.21 x 24.21 x 16.46)	Solid	540 x 540	21.26 x 21.26	—	—	80	58
CC616151	615 x 615 x 518 (24.21 x 24.21 x 21.57)	Solid	540 x 540	21.26 x 21.26	—	—	80	72
CC376518	375 x 465 x 180 (14.76 x 18.46 x 7.09)	Hinged	300 x 390	11.81 x 15.35	127	5.00	60	22
CC466518	465 x 465 x 180 (18.46 x 18.46 x 7.09)	Hinged	390 x 390	15.35 x 15.35	127	5.00	60	24

^a Cutout is for flange coupling only. Other components can be used if they have the same hole size.

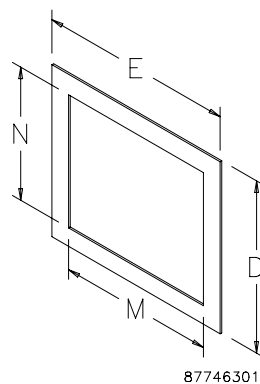
CC2000 Operator Interface Enclosure System

Front Plate



Front plates are available in 14 gauge aluminum with clear anodized brushed finish.

NOTE: Hoffman can provide pre-configured front plates to meet your specific requirements. Contact your local Hoffman Sales Representative for more information.



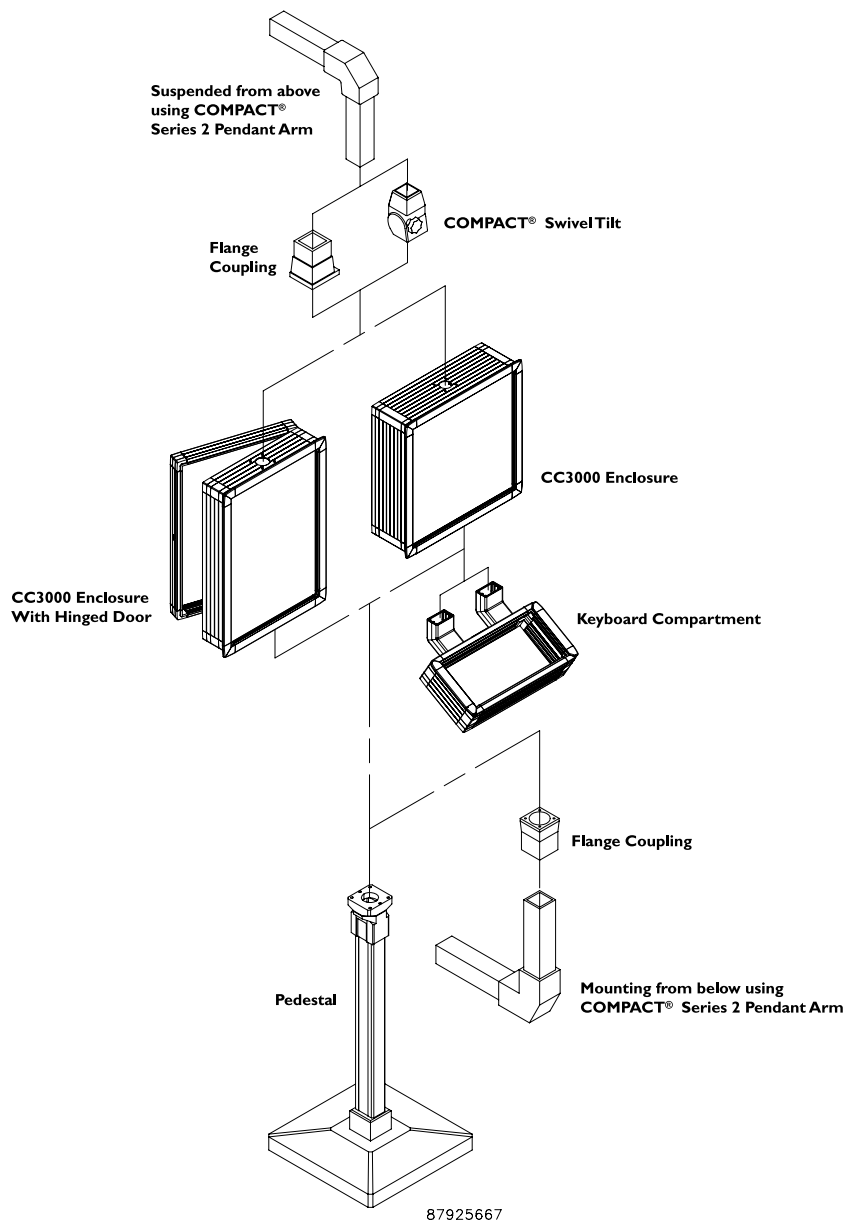
Catalog Number	Panel Size D x E mm (in.)	Panel Size M x N mm (in.)	Fits Enclosure (mm)	Fits Enclosure (in.)	Product Weight (lb)
C2FP3155	314 x 554 (12.36 x 21.81)	540 x 300 (21.26 x 11.81)	375 x 615 x 290	14.76 x 24.21 x 11.42	3.0
C2FP4055	404 x 554 (15.90 x 21.81)	540 x 390 (21.26 x 15.35)	465 x 615 x 518/418/290	18.31 x 24.21 x 20.39/16.46/11.42	3.8
C2FP5555	554 x 554 (21.81 x 21.81)	540 x 540 (21.26 x 21.26)	615 x 615 x 518/418/290	24.21 x 24.21 x 20.39/16.46/11.42	5.4
C2FP3140	314 x 404 (12.36 x 15.90)	390 x 300 (15.35 x 11.81)	375 x 465 x 180	14.76 x 18.31 x 7.09	2.2
C2FP4040	404 x 404 (15.90 x 15.90)	390 x 390 (15.35 x 15.35)	465 x 465 x 180	18.31 x 18.31 x 7.09	2.8

CC3000 Operator Interface Enclosure System



This modern industrial design, with its modular concept, allows customer-specific solutions. It's available with three different depth profiles; five possible design variants can be made by combining various profiles. The system's capability for pendent or pedestal mounting, with or without provision for a keyboard, offers exceptional design flexibility. Extruded aluminum top and sides provide a quality look while offering superior heat dissipation. Hinged body profiles provide extra depth and allow front or rear access. Accessory colors are available to match the most popular human-machine interface (HMI) devices.

CC3000 Operator Interface Enclosure System



CC3000 Operator Interface Enclosure System



Application

The aesthetically appealing CC3000 modular operator interface enclosures provide the ideal solution for applications that require an attractive appearance. Enclosures are designed to be used with flat screen OI devices, lights, meters, gauges, and other similar equipment.

NOTE: Contact your local Hoffman Sales Representative for assistance with ordering nonstandard-sized products.

Features

- High thermal conductivity for superior heat dissipation
- Can be sized to accommodate a wide range of flat screen operator interface devices
- Compatible with current Hoffman pendant and pedestal offerings
- Extruded channel inside the enclosure for component mounting
- Accessory colors available to match popular OI color schemes
- Modular sizing available from 250mm high x 250mm wide up to 600mm high x 600mm wide

Construction

- Extruded Type 6063 aluminum top and sides provide a quality appearance and internal flexibility
- Rear doors can be hinged on either the right or left side
- Oil-resistant gasket

Finish

Enclosure vertical and horizontal components are clear anodized aluminum. Corner components are finished with RAL 9005 black polyester powder paint. Aluminum front and rear plates have a RAL7035 light gray textured polyester powder painted finish.

Industry Standards

UL 508A, File No. E61997: Type 12

cUL CSA C22.2 No. 94, File No. E61997: Type 12

NEMA/EMAC Type 12

IEC 60529, IP55 DIN 40050

Accessories

NOTE: In addition to the accessories shown below, CC3000 enclosures also can be used with the CC4000 pedestal and keyboard tilt, the COMPACT® Pendant Arm Series 2 mounting options, and the COMPACT Pendant Arm Series 4 System 50/60 mounting options. Also, the 200mm profile can use the Series 4 system, with 80 mounting options. See these sections of the Product Catalog on hoffmanonline.com.

Accessory Mounting Brackets

Clipboard

Command Handle

Door Stop Kit

Drive Access Door

Fan Mounting Bracket

Keyboard Connector

Keyboard Drawer

Keyboard Straps

Mouse Pad

Pedestal

Spring Nut Fastener Package

USB Interface

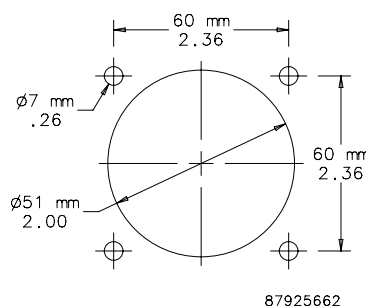
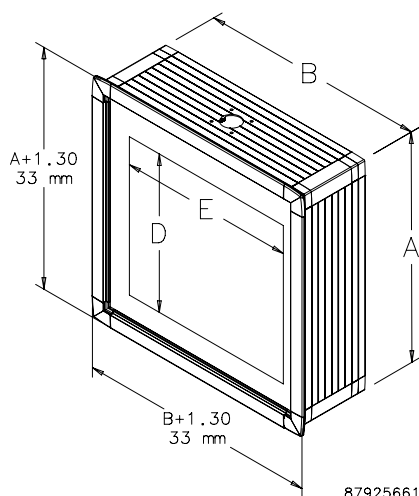
CC3000 Operator Interface Enclosure System

Rev. A 8/07

Standard Sizes CC3000 Operator Interface Enclosures

Catalog Number	Enclosure Size A x B x C (mm)	Enclosure Size A x B x C (in.)	Usable Area D x E (mm)	Usable Area D x E (in.)
CC455520	450 x 550 x 200	17.71 x 21.65 x 7.87	365 x 465	14.37 x 18.31
CC506020	500 x 600 x 200	19.68 x 23.23 x 7.87	415 x 515	16.34 x 20.28
CC536012	530 x 600 x 120	20.87 x 23.23 x 4.72	445 x 515	17.52 x 20.28
CC536020	530 x 600 x 200	20.87 x 23.23 x 7.87	445 x 515	17.52 x 20.28

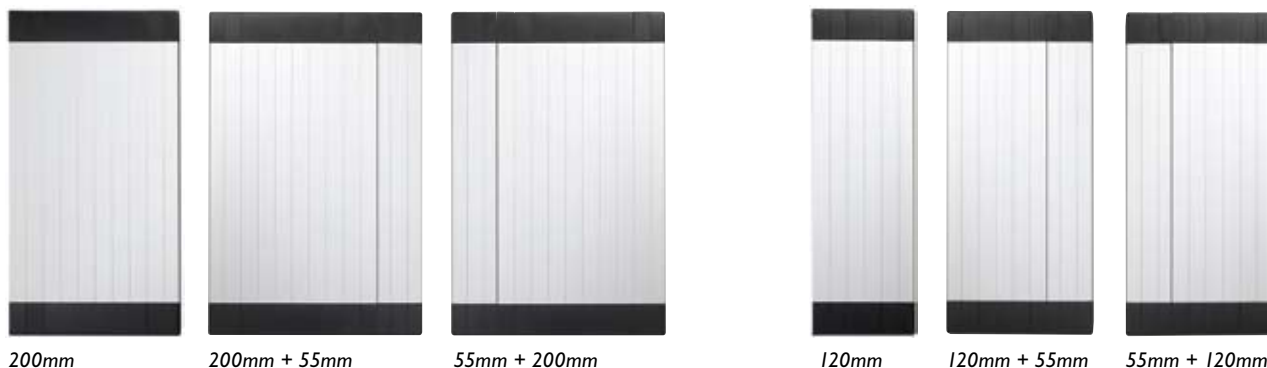
- Handles on all four sides of enclosure
- Cutout in top for mounting with COMPACT® Series 2 or Series 4 System 50 or 60 pendant offerings
- Rear door hinged left with 1/4-turn slotted latch



**Operator Interface
Enclosure Systems**

Depth Options

The CC3000 enclosure system includes depth profile choices of 120 and 200mm. A 55mm profile is available as a hinged extension. Depth profiles can be ordered with or without a handle and can be used in the combinations shown. Order these options using the CC3000 Quotes tool. Contact your Hoffman Representative for details.



Profile Depth Internal Dimensions

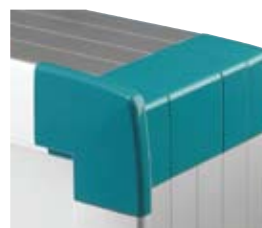
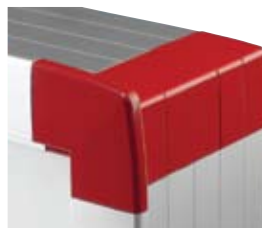
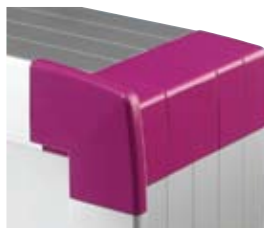
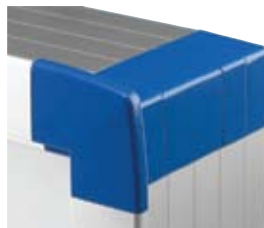
Type of Assembly	Front Plate	Rear Panel	Profile Depth (mm)	Usable Depth (mm)	Usable Depth (in.)
Single-profile assembly	Internally mounted	Secured or hinged	120	103	4.06
			200	183	7.21
Two-profile assembly	Internally mounted	Internally mounted	120 + 55	149	5.86
			200 + 55	229	9.02

CC3000 Operator Interface Enclosure System

Rev. A 8/07

Accent Colors

Four accent colors are offered for the integral handle extrusions and end caps. Blue, purple, red, and turquoise are available. Order these options using the CC3000 Quotes tool. Contact your Hoffman Representative for details.



Handle Options

Five options for the placement of handles are available on CC3000 enclosures. Order these options using the CC3000 Quotes tool. Contact your Hoffman Representative for details.



Handle on all four sides



Handle on right and left



Handle at bottom



Handle on right, left, and bottom (U-shaped)



No handles

CC3000 Operator Interface Enclosure System

Back Plate Options

The back plate can be either fixed or hinged. Slotted latch insert available for the hinged back plate. Order these options using the CC3000 Quotes tool. Contact your Hoffman Representative for details.



Fixed back plate



Hinged back plate with latch

Front Plate and Internal Mounting Options

The front plate is internally mounted using adjustable channels inside the enclosure.

An extruded channel inside the enclosure allows for mounting components without a back panel.



Front panel internally mounted



Extruded channel

CC3000 Operator Interface Enclosure System

Rev. A 8/07

Optional Accessories

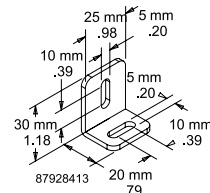
NOTE: In addition to the accessories shown below, CC3000 enclosures also can be used with the CC4000 pedestal and keyboard tilt, the COMPACT® Pendant Arm Series 2 mounting options, and the COMPACT Pendant Arm Series 4 System 50/60 mounting options. Also, the 200mm profile can use the Series 4 system, with 80 mounting options. See these sections of the Product Catalog on hoffmanonline.com.

Accessory Mounting Brackets



Accessory mounting brackets are used to install accessories into the inside of the CC3000 enclosure.

Catalog Number	Weight
CCMTGBRKT	0.3 lb

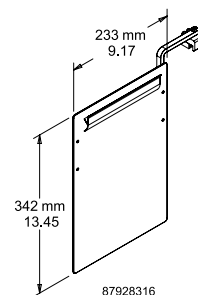


Clipboard



The clipboard can be installed on either side of the enclosure. All mounting hardware and installation instructions are included. Finish is RAL 9006 white aluminum polyester powder paint.

Catalog Number	Weight
CCLIPBD	1.3 lb

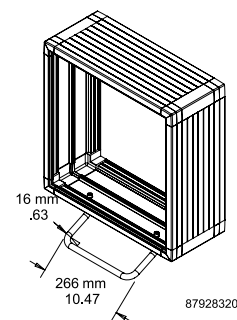


Command Handle



Aluminum handle. Ergonomic design allows the operator to swing the enclosure for a comfortable working location. Can be used with 200mm and 120mm depth profiles.

Catalog Number	Weight
CCCHDL	0.7 lb



Door Stop Kit



Kit is designed to hold the door in the open position. Door stop is stainless steel. No drilling required for installation. Used on 55mm door with 200mm depth profile.

Catalog Number	Weight
CCDSK	0.3 lb

Drive Access Door



Drive door can be installed only on 200mm enclosures to access internal disk drives. Finished with RAL 7035 light gray polyester powder paint. Hinges are finished with RAL 9005 black polyester powder paint. Key-locking latch is included, along with all installation hardware. Machining is required for installation. Maintains Type 12 rating. Contact your Hoffman representative for details.

[illegible]

Four fan mounting brackets allow for additional cooling capacity inside the enclosure. Can be used with small axial or radial fans. Brackets are steel finished with RAL 7035 light gray polyester powder paint. Hardware included.

5 mm x 6 mm
.20
SLOT
70°
44 mm
1.73
24 mm
.94
39 mm
1.52
7 mm
.28
87928414

Rigid connector between the keyboard box and the enclosure. Made of cast aluminum and finished with RAL 9006 white aluminum polyester powder paint.

Technical drawing of a 120° angle bracket. The drawing shows a 3D perspective view of the bracket. Key dimensions are labeled: 50 mm (height of the vertical flange), 1.97 (thickness of the vertical flange), 83 mm (width of the horizontal flange), 3.27 (thickness of the horizontal flange), and 120° (the angle between the two flanges). The part number 87928415 is visible at the bottom right.

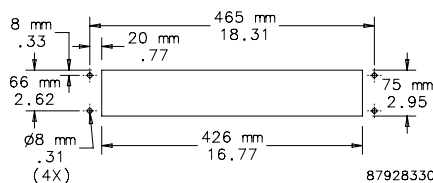
A close-up photograph of a silver metal rack-mountable device. A keyboard drawer is pulled out from the front, revealing a full-sized keyboard with white and dark keys. The device is mounted on a rack, and the keyboard drawer is partially extended.

Keyboard drawer provides a smart solution for keyboard storage. Keyboard and mouse with connections included. Used with 200mm depth profile.

Technical drawing of a rectangular box with dimensions in mm and inches:

- Top surface: 422 mm (16.61 in) by 485 mm (19.09 in)
- Front face: 65 mm (2.56 in) by 90 mm (3.54 in)
- Right side: 150 mm (5.91 in) by 406 mm (15.98 in)
- Bottom surface: 136 mm (5.35 in) by 406 mm (15.98 in)

87928416



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CC3000 Operator Interface Enclosure System

Rev. A 8/07

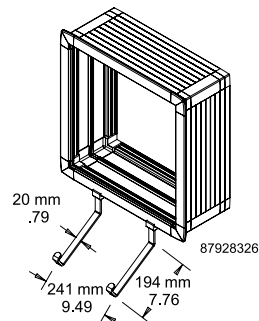
Optional Accessories (Cont.)

Keyboard Straps



The keyboard straps are used for keyboard support. The straps can be stored under the enclosure when not in use. Finish is RAL 9006 white aluminum polyester powder paint.

Catalog Number	Weight
CCKBS	1.2 lb

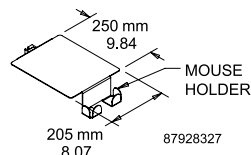


Mouse Pad



The mouse pad has an incline adjustment and has storage for the mouse when not in use. Mounting hardware and installation instructions are included. Finish is RAL 9006 white aluminum polyester powder paint.

Catalog Number	Weight
CCMSPAD	1.2 lb

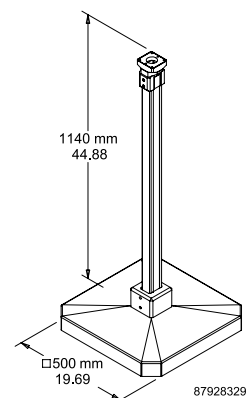
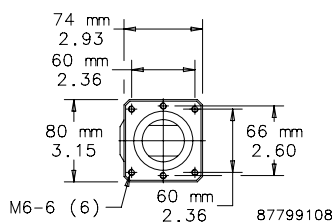


Pedestal



Pedestal can be mounted to the floor or on accessory swivel casters. Coupling and base are finished with RAL 7035 light gray polyester powder paint. Anodized aluminum tube is 1000mm high with a 45mm x 60mm tube cross section. The enclosure coupling has a 60mm x 60mm hole pattern.
NOTE: Casters can be found on page OI-103.

Catalog Number
CCPED



CC3000 Operator Interface Enclosure System

Rev. A 8/07

Optional Accessories (Cont.)

Spring Nut Fastener Package



The package includes 10 M5 spring nuts for component mounting inside the enclosure.

Catalog Number	Weight
CCM5SN	0.04 lb

USB Interface



The interface allows access to programmable components installed inside the enclosure without opening the door. It also can be used as a keyboard or mouse connection.

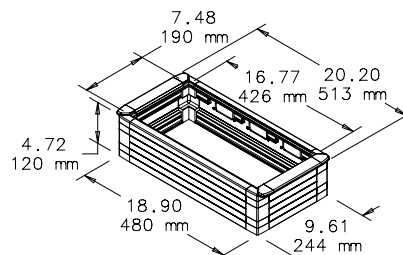
Catalog Number	Cable Length (m)	Cable Length (ft.)	Weight
CCUSB	3.5	10.00	0.2 lb

Keyboard Compartment



Keyboard compartment has same construction and finish as enclosure bodies. Fits pendant mount bodies when used with the CTKBC single tilt; fits pedestal mount bodies when used with the CC3000 pedestal (CCPED) and CCKBC rigid keyboard connector.

Catalog Number	Product Weight
CKBC244812	12.5 lb

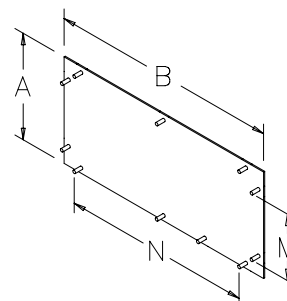


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Keyboard Front Plate



Plate is 14 gauge steel finished with RAL 7035 light gray textured polyester powder paint or Type 304 stainless steel with a brushed finish. Available blank or with TIP NEMA 4 Keyboard. Includes mounting hardware.



87799260

Catalog Number	Description	Size A x B (mm)	Size A x B (in.)	Usable Area M x N (mm)	Usable Area M x N (in.)	Product Weight (lb)
C4KBFP2653	Blank Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	3.7
C4KBFP2653SS	Blank Stainless Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	4.0
C4KBKP2653	With Keyboard Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	4.1
C4KBKP2653SS	With Keyboard Stainless Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	4.5

CC4000 Operator Interface Enclosure System



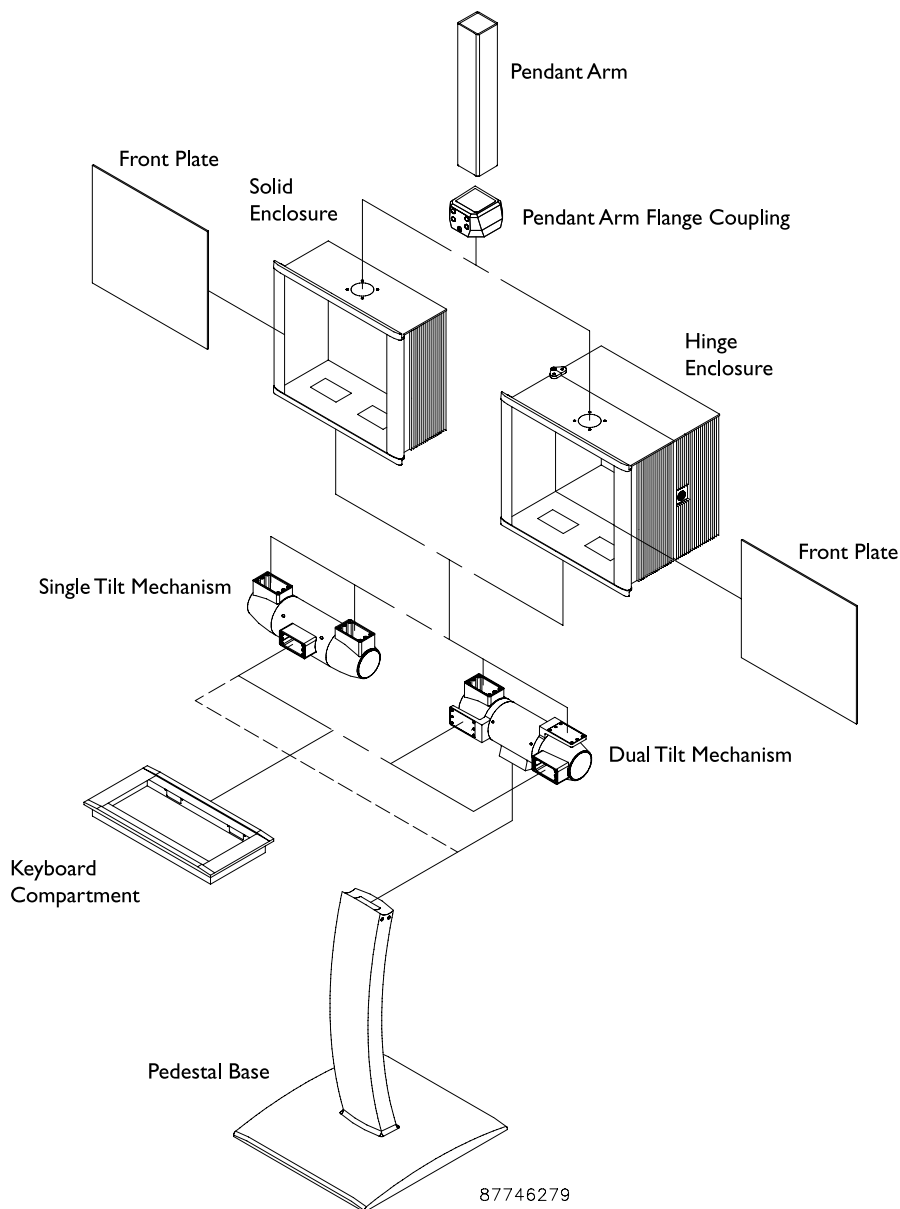
This attractive family of operator interface enclosures sets a new standard for visual appeal coupled with design flexibility and ease of use. It's available in two body styles, three configurations, and eight sizes. The system's capability for pendant or pedestal mount, with or without provision for a keyboard, offers exceptional design flexibility.

Extruded aluminum top and sides provide a quality look while offering superior heat dissipation. Hinged body models provide extra depth and allow rear access.

The single and dual tilt mechanisms give the operator control over adjustment and ergonomic positioning of the enclosure and/or keyboard, depending on configuration. The tilt mechanisms are the only additional components required for mounting the enclosure on a pedestal and for adding a keyboard compartment with either pedestal or pendant mount.

Pre-cut front plates are available to fit a wide variety of OI panels.

CC4000 Operator Interface Enclosure System



CC4000 Operator Interface Enclosure System



Application

These highly aesthetically appealing operator interface enclosures provide the ideal solution for applications requiring an attractive appearance. Enclosures are designed to be used with flat screen OI devices, lights, meters, gauges, and other similar equipment. They are available with or without provision for keyboard compartments.

These enclosures are used with the unique curved CC4000 pedestal or with the Hoffman COMPACT® Series 2, COMPACT Series 4 System 50 or 60, and CS600 pendant arms.

Construction

- Extruded Type 6063 aluminum top and sides provide a quality appearance and internal flexibility
- Body is available hinged or solid
- Optional rear covers can be hinged on either the right or left side
- Integral mounting system has extruded screw channels to facilitate easy component installation
- Each size is designed to accommodate a range of flat screen operator interface devices
- Oil-resistant gasket attached with oil-resistant adhesive
- High thermal conductivity for superior heat dissipation

Finish

Enclosure vertical components are clear anodized aluminum; horizontal components are aluminum painted RAL 7021 black aluminum.

Steel front plates are RAL 7035 gray polyester powder paint. Stainless steel front plates have a brushed finish.

Aluminum rear covers have a clear anodized brushed finish.

Industry Standards

UL 508A, File No. E61997: Type 12
cUL CSA C22.2 No. 94, File No. E61997: Type 12
NEMA/EEMAC Type 12
IEC 60529, IP55
DIN 40050

Accessories

See the Accessories chapter.

Keyboard Compartment

Tilt Mechanism

Pedestal

Rear Hinged Cover

Lift-off Hinges for Hinged Body Versions

CC4000 Operator Interface Enclosure System

CC4000 Enclosures

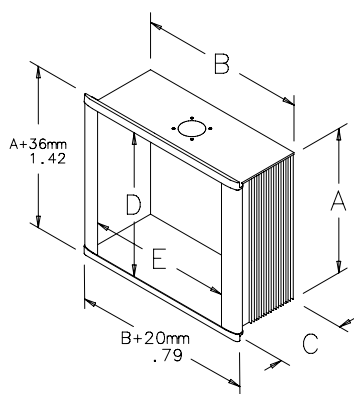
All body sizes and styles are available for pendant or pedestal mounting with or without a keyboard. Hinged and solid bodies are available in the sizes shown in the table. Hinged bodies offer extra depth and rear access. Rear aluminum screw cover is standard.

Pendant Mount Enclosures

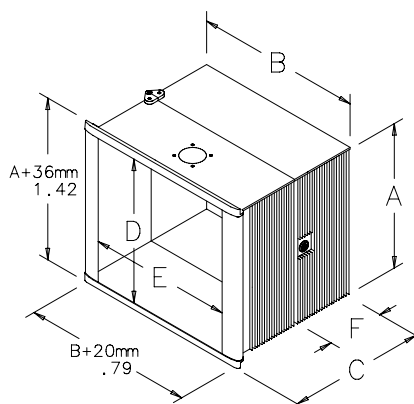
Use in pendant mounting applications where keyboard compartment is not required.

Cutout in top for mounting with COMPACT® Series 2; COMPACT Series 4 system 50 or 60; and CS600 pendant arms.

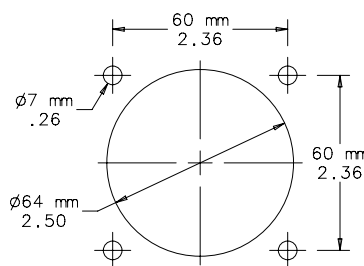
Solid Enclosure



Hinged Enclosure



Pendant Cutout



87746297

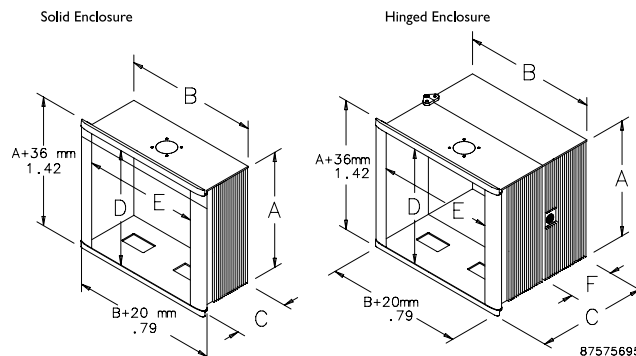
Pendant Mount Catalog Number	A x B x C mm (in.)	Body Style	Usable Area D x E (mm)	Usable Area D x E (in.)	F (mm)	F (in.)	Product Weight (lb)
CCC284014PN	280 x 400 x 140 (11.02 x 15.75 x 5.51)	Solid	185 x 275	7.28 x 10.83	—	—	16.4
CCC284020PN	280 x 400 x 200 (11.02 x 15.75 x 7.87)	Solid	185 x 275	7.28 x 10.83	—	—	22.0
CCC334014PN	330 x 400 x 140 (12.99 x 15.75 x 5.51)	Solid	235 x 275	9.25 x 10.83	—	—	17.5
CCC334020PN	330 x 400 x 200 (12.99 x 15.75 x 7.87)	Solid	235 x 275	9.25 x 10.83	—	—	23.0
CCC425320PN	425 x 530 x 200 (16.73 x 20.87 x 7.87)	Solid	330 x 405	12.99 x 15.94	—	—	33.1
CCC456029PN	450 x 600 x 290 (17.72 x 23.62 x 11.42)	Solid	355 x 475	13.98 x 18.70	—	—	44.0
CCC334026HPN	330 x 400 x 268 (12.99 x 15.75 x 10.55)	Hinged	235 x 275	9.25 x 10.83	128	5.04	30.0
CCC425326HPN	425 x 530 x 268 (16.73 x 20.87 x 10.55)	Hinged	330 x 405	12.99 x 15.94	128	5.04	41.0

CC4000 Operator Interface Enclosure System

Pendant Mount Enclosures with Keyboard Compartment Capability

Use in pendant mounting applications where a keyboard compartment is required.

- Cutout in top for mounting with COMPACT® Series 2; COMPACT Series 4 system 50 or 60; and CS600 pendant arms
- Cutout on bottom for keyboard tilt mechanism
- Order tilt mechanism and keyboard compartment separately



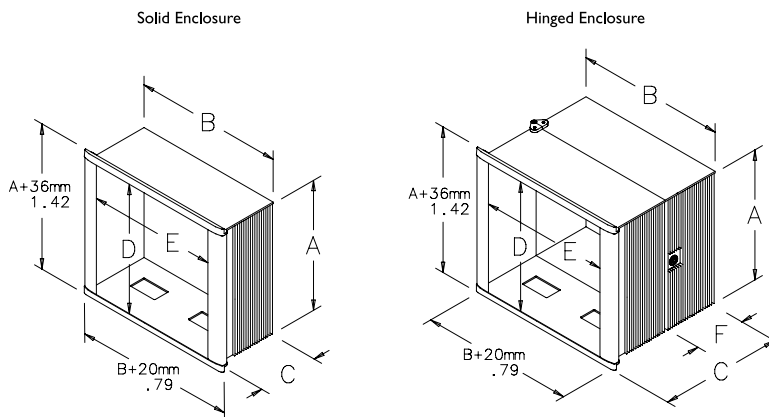
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Pendant Mount Catalog Number	A x B x C mm (in.)	Body Style	Usable Area D x E (mm)	Usable Area D x E (in.)	F (mm)	F (in.)	Tilt Mechanism	Product Weight (lb)
CCC284014PNK	280 x 400 x 140 (11.02 x 15.75 x 5.51)	Solid	185 x 275	7.28 x 10.83	—	—	CTKBC	16.4
CCC284020PNK	280 x 400 x 200 (11.02 x 15.75 x 7.87)	Solid	185 x 275	7.28 x 10.83	—	—	CTKBC	22.0
CCC334014PNK	330 x 400 x 140 (12.99 x 15.75 x 5.51)	Solid	235 x 275	9.25 x 10.83	—	—	CTKBC	17.5
CCC334020PNK	330 x 400 x 200 (12.99 x 15.75 x 7.87)	Solid	235 x 275	9.25 x 10.83	—	—	CTKBC	23.0
CCC425320PNK	425 x 530 x 200 (16.73 x 20.87 x 7.87)	Solid	330 x 405	12.99 x 15.94	—	—	CTKBC	33.1
CCC456029PNK	450 x 600 x 290 (17.72 x 23.62 x 11.42)	Solid	355 x 475	13.98 x 18.70	—	—	CTKBC	44.0
CCC334026HPNK	330 x 400 x 268 (12.99 x 15.75 x 10.55)	Hinged	235 x 275	9.25 x 10.83	128	5.04	CTKBC	30.0
CCC425326HPNK	425 x 530 x 268 (16.73 x 20.87 x 10.55)	Hinged	330 x 405	12.99 x 15.94	128	5.04	CTKBC	41.0

Pedestal Mount Enclosure

Use in pedestal mounting applications with the CPCC4 pedestal, either with or without a keyboard.

- Tilt mechanism required for connecting enclosure and pedestal
- Cutout on bottom for tilt mechanism mounting
- Order tilt mechanism and keyboard compartment (if needed) separately



87747549

Pedestal Mount Catalog Number	A x B x C mm (in.)	Body Style	Usable Area D x E (mm)	Usable Area D x E (in.)	F (mm)	F (in.)	Tilt Mechanism without Keyboard	Tilt Mechanism with Keyboard	Product Weight (lb)
CCC284014PD	280 x 400 x 140 (11.02 x 15.75 x 5.51)	Solid	185 x 275	7.28 x 10.83	—	—	CTKBC	CTKBPC	16.4
CCC284020PD	280 x 400 x 200 (11.02 x 15.75 x 7.87)	Solid	185 x 275	7.28 x 10.83	—	—	CTKBC	CTKBPC	22.0
CCC334014PD	330 x 400 x 140 (12.99 x 15.75 x 5.51)	Solid	235 x 275	9.25 x 10.83	—	—	CTKBC	CTKBPC	17.5
CCC334020PD	330 x 400 x 200 (12.99 x 15.75 x 7.87)	Solid	235 x 275	9.25 x 10.83	—	—	CTKBC	CTKBPC	23.0
CCC425320PD	425 x 530 x 200 (16.73 x 20.87 x 7.87)	Solid	330 x 405	12.99 x 15.94	—	—	CTKBC	CTKBPC	33.0
CCC456029PD	450 x 600 x 290 (17.72 x 23.62 x 11.41)	Solid	355 x 475	13.98 x 18.70	—	—	CTKBC	CTKBPC	44.0
CCC334026HPD	330 x 400 x 268 (12.99 x 15.75 x 10.55)	Hinged	235 x 275	9.25 x 10.83	128	5.04	CTKBC	CTKBPC	30.0
CCC425326HPD	425 x 530 x 268 (16.73 x 20.87 x 10.55)	Hinged	330 x 405	12.99 x 15.94	128	5.04	CTKBC	CTKBPC	41.0

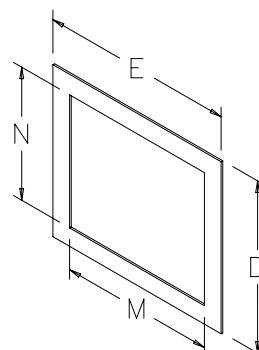
CC4000 Operator Interface Enclosure System

Front Plate



Front plates are 14 gauge steel finished with RAL 7035 light gray polyester powder paint. Stainless steel front plates have a brushed finish.

NOTE: Hoffman can provide pre-configured front plates to meet your specific requirements. Contact your local Hoffman Sales Representative for more information.



87746301

Catalog Number	Steel Type	Panel Size D x E (mm)	Panel Size D x E (inch)	Usable Area M x N (mm)	Usable Area M x N (inch)	Fits Enclosure (mm)	Fits Enclosure (inch)	Product Weight (lb)
C4FP2840	Steel	219 x 309	8.62 x 12.17	275 x 185	10.83 x 7.28	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	3.5
C4FP2840SS	Stainless Steel	219 x 309	8.62 x 12.17	275 x 185	10.83 x 7.28	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	4.0
C4FP3340	Steel	269 x 309	10.59 x 12.17	275 x 235	10.83 x 9.25	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.0
C4FP3340SS	Stainless Steel	269 x 309	10.59 x 12.17	275 x 235	10.83 x 9.25	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.4
C4FP4253	Steel	364 x 439	14.33 x 17.28	406 x 330	15.94 x 12.99	425 x 530 x 200	16.73 x 20.87 x 7.87	6.5
C4FP4253SS	Stainless Steel	364 x 439	14.33 x 17.28	406 x 330	15.94 x 12.99	425 x 530 x 200	16.73 x 20.87 x 7.87	7.5
C4FP4560	Steel	389 x 509	15.31 x 20.04	475 x 355	18.70 x 13.98	450 x 600 x 290	17.72 x 23.62 x 11.42	8.0
C4FP4560SS	Stainless Steel	389 x 509	15.31 x 20.04	475 x 355	18.70 x 13.98	450 x 600 x 290	17.72 x 23.62 x 11.42	9.0

Pre-Cut Front Plate

Catalog Number	Steel Type	Manufacturer	Model	Panel Size D x E (mm)	Panel Size D x E (inch)	Fits Enclosure (mm)	Fits Enclosure (inch)	Wt. (lb)
C4CSK2840F1	Steel	Allen-Bradley	PanelView 600	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	3.5
C4CSK2840F1SS	Stainless Steel	Allen-Bradley	PanelView 600	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	4.0
C4CSK2840F2	Steel	Allen-Bradley	PanelView 550	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	3.5
C4CSK2840F2SS	Stainless Steel	Allen-Bradley	PanelView 550	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	4.0
C4CSK2840F3	Steel	Allen-Bradley	PanelView 550/600TS	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	3.5
C4CSK2840F3SS	Stainless Steel	Allen-Bradley	PanelView 550/600TS	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	4.0
C4CSK2840F4	Steel	TCP	Quickpanel Jr.	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	3.5
C4CSK2840F4SS	Stainless Steel	TCP	Quickpanel Jr.	219 x 309	8.62 x 12.17	280 x 400 x 140/200	11.02 x 15.75 x 5.51/7.87	4.0
C4CSK3340F1	Steel	Eaton Cutler-Hammer	PanelMate 1500	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.0
C4CSK3340F1SS	Stainless Steel	Eaton Cutler-Hammer	PanelMate 1500	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.4
C4CSK3340F2	Steel	TCP	Quickpanel Mono EL	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.0
C4CSK3340F2SS	Stainless Steel	TCP	Quickpanel Mono EL	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.4
C4CSK3340F3	Steel	Allen-Bradley	PanelView 600KP	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.0
C4CSK3340F3SS	Stainless Steel	Allen-Bradley	PanelView 600KP	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.4
C4CSK3340F4	Steel	Allen-Bradley	PanelView 550KP	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.0
C4CSK3340F4SS	Stainless Steel	Allen-Bradley	PanelView 550KP	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.4
C4CSK3340F5	Steel	Allen-Bradley	PanelView 550/600TS	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.0
C4CSK3340F5SS	Stainless Steel	Allen-Bradley	PanelView 550/600TS	269 x 309	10.59 x 12.17	330 x 400 x 140/200/268	12.99 x 15.75 x 5.51/7.87/10.55	4.0
C4CSK4253F1	Steel	Eaton Cutler-Hammer	PanelMate 3000 TP	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F1SS	Stainless Steel	Eaton Cutler-Hammer	PanelMate 3000 TP	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4253F2	Steel	Eaton Cutler-Hammer	PanelMate 3000 TS	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F2SS	Stainless Steel	Eaton Cutler-Hammer	PanelMate 3000 TS	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4253F3	Steel	TCP	Quickpanel Color STN/TFT	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F3SS	Stainless Steel	TCP	Quickpanel Color STN/TFT	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4253F4	Steel	Ann Arbor	INX	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F4SS	Stainless Steel	Ann Arbor	INX	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4253F5	Steel	Allen-Bradley	PanelView 900TS	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F5SS	Stainless Steel	Allen-Bradley	PanelView 900TS	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4253F6	Steel	Allen-Bradley	PanelView 900KP	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F6SS	Stainless Steel	Allen-Bradley	PanelView 900KP	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4253F7	Steel	Allen-Bradley	PanelView 1000TS	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F7SS	Stainless Steel	Allen-Bradley	PanelView 1000TS	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4253F8	Steel	Allen-Bradley	PanelView 1000KP	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	6.5
C4CSK4253F8SS	Stainless Steel	Allen-Bradley	PanelView 1000KP	364 x 439	14.33 x 17.28	425 x 530 x 200/268	16.73 x 20.87 x 7.87/10.55	7.5
C4CSK4560F1	Steel	Allen-Bradley	AB6180	389 x 509	15.31 x 20.04	450 x 600 x 290	17.72 x 23.62 x 11.42	8.0
C4CSK4560F1SS	Stainless Steel	Allen-Bradley	AB6180	389 x 509	15.31 x 20.04	450 x 600 x 290	17.72 x 23.62 x 11.42	9.0

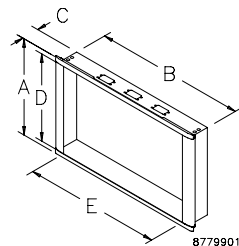
CC4000 Operator Interface Enclosure System

Keyboard Compartment



Keyboard compartment has same construction and finish as enclosure bodies. Fits pendant mount bodies when used with the CTKBC single tilt; fits pedestal mount bodies when used with the CTKBCP dual tilt mechanism.

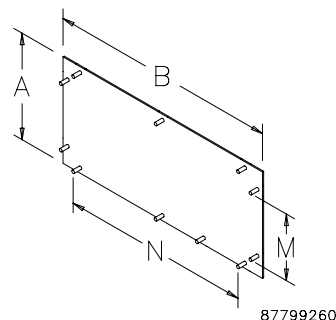
Catalog Number	A x B x C mm (in.)	Opening Size D x E (mm)	Opening Size D x E (in.)	Product Weight
CKBC26535	300 x 500 x 52 (11.81 x 19.68 x 2.08)	190 x 427	7.48 x 16.81	11.4 lb
CKBC26605	300 x 570 x 52 (11.81 x 22.44 x 2.05)	190 x 495	7.48 x 19.49	12.0 lb



Keyboard Front Plate



Plate is 14 gauge steel finished with RAL 7035 light gray textured polyester powder paint or Type 304 stainless steel with a brushed finish. Available blank or with TIP NEMA 4 Keyboard. Includes mounting hardware.



Catalog Number	Description	Size A x B (mm)	Size A x B (in.)	Usable Area M x N (mm)	Usable Area M x N (in.)	Fits Keyboard Compartment	Product Weight
C4KBFP2653	Blank Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	264 x 530	3.7 lb
C4KBFP2653SS	Blank Stainless Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	264 x 530	4.0 lb
C4KBKP2653	With Keyboard Steel	203 x 509	7.99 x 20.04	169 x 475	6.65 x 18.70	264 x 600	5.7 lb
C4KBKP2653SS	With Keyboard Stainless Steel	203 x 509	7.99 x 20.04	169 x 475	6.65 x 18.70	264 x 600	6.0 lb
C4KBFP2660	Blank Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	264 x 530	4.1 lb
C4KBFP2660SS	Blank Stainless Steel	203 x 439	7.99 x 17.28	169 x 405	6.65 x 15.94	264 x 530	4.5 lb
C4KBKP2660	With Keyboard Steel	203 x 509	7.99 x 20.04	169 x 475	6.65 x 18.70	264 x 600	6.1 lb
C4KBKP2660SS	With Keyboard Stainless Steel	203 x 509	7.99 x 20.04	169 x 475	6.65 x 18.70	264 x 600	6.5 lb

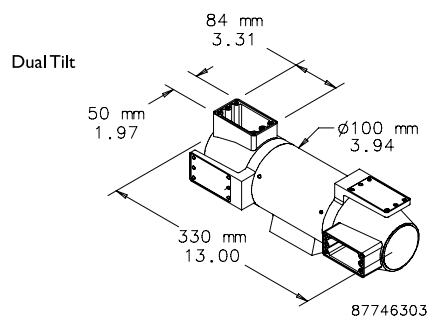
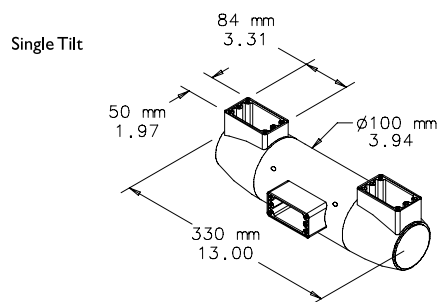
CC4000 Operator Interface Enclosure System

Tilt Mechanism



Allows operator to adjust enclosure and keyboard for maximum convenience and comfort. Cast aluminum construction. Finish is RAL 7035 light gray polyester powder paint.

- Single tilt connects enclosure with keyboard in pendant mount applications or enclosure with pedestal in floor mount applications.
 - Allows enclosure to tilt back 20° max. when pedestal mounted.
 - Allows keyboard to adjust from horizontal to 45° down when pendant mounted.
- Dual tilt connects pedestal, enclosure, and keyboard.
 - Allows enclosure to tilt back 20° max.
 - Allows keyboard to adjust infinitely between enclosure and pedestal.



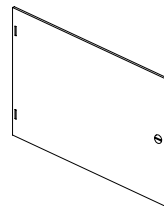
Catalog Number	Type	Use With	Product Weight
CTKBC	Single	Pendant mount with keyboard Pedestal mount without keyboard	5.8 lb
CTKBCP	Dual	Pedestal mount with keyboard	6.6 lb

Hinged Rear Cover



Covers can be mounted with hinge on left or right side of enclosure. One or two quarter-turn latches, depending on size. Made of 3mm-thick aluminum with a clear anodized brushed finish. Includes mounting hardware and grounding kit.

Catalog Number	Number of Latches	Fits Enclosure (mm)	Product Weight
CCH2840	One	280 x 400	2.2 lb
CCH3340	One	330 x 400	2.6 lb
CCH4253	Two	425 x 530	4.3 lb
CCH4560	Two	450 x 600	5.0 lb



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CC4000 Operator Interface Enclosure System

Lift-off Hinge Kit



Use when quick removal of the rear section of a hinged enclosure is desired. Contains one set of hinges to convert the hinges on the enclosure to a lift-off configuration.

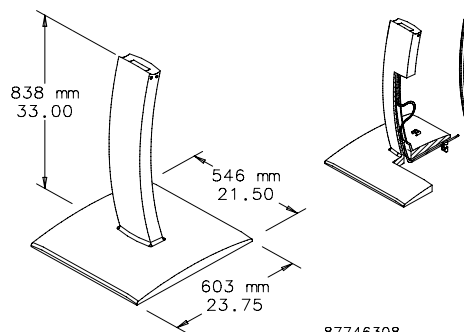
Catalog Number	Description	Product Weight
CHLOCC4	Lift-off Hinge Kit	0.2 lb

Pedestal



Pedestal can be bolted to the floor or mounted on accessory swivel casters. Center channel is 2 x 3 in. with rear access strip for routing wires. Requires single or dual tilt for enclosure mounting. Finished with RAL 7035 light gray polyester powder paint.

Catalog Number	Description
CPCC4	Two piece cast aluminum



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Bolt-Down Kit



Bolt-down kit is used to securely mount pedestal CPCC4 to the floor. Kit includes four brackets and mounting hardware.

Catalog Number	Description
CPBDK	Bolt-Down Kit

CC4000 Operator Interface Enclosure System

Swivel Casters for Pedestal Base



Casters mount to the bottom of the CPCC4 pedestal. Kit includes four casters and mounting hardware.

Catalog Number	Description	Installed Height (mm)	Installed Height (in.)	Wheel Dia. (mm)	Wheel Dia. (in.)	Load Rating Per Set (Kg)	Load Rating Per Set (lb)
CPCC4SC	Four swivel casters	100	3.9	75	3.0	180	400

Levelers for Pedestal Base



Levelers mount to the bottom of the CPCC4 pedestal where leveling is required. Kit contains four levelers and mounting hardware. Cannot be used with casters or in bolt-down installations.

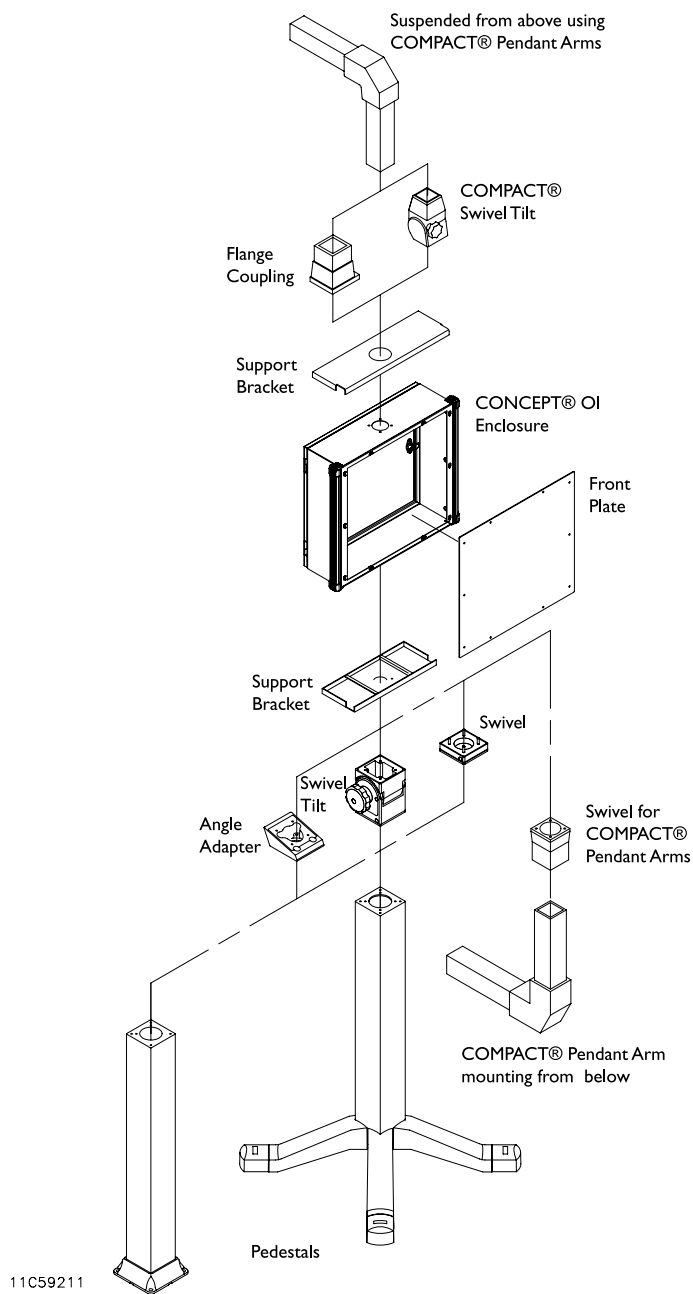
Catalog Number	Description
CPCC4L	Four levelers for pedestal base

CONCEPT® Operator Interface Enclosure System



These operator interface enclosures are appropriate for applications incorporating flat-screen human-machine interface (HMI) devices, pushbuttons, and other similar devices. It's available with three depth choices. The system's capability for pendent or pedestal mounting offers exceptional design flexibility. Accessory colors are available to match the most popular HMI devices.

CONCEPT® Operator Interface Enclosure System



CONCEPT® Operator Interface Enclosure System

Rev. A 8/07



Application

CONCEPT Operator Interface Enclosures are appropriate for applications incorporating flat-screen OI devices, pushbuttons, lights, meters, gauges, and other similar devices. Enclosures are designed to be pendant- or pedestal-mounted.

Features

- Pre-drilled hole in top for mounting using a Series 2 or Series 4 50/60 pendant arm
- Pedestal mounting when enclosure is inverted
- Integral handle extrusions have a comfort grip that extends the length of the profile
- Hinged rear door has a single-point latch, seamless foam-in-place gasket, and panel studs.
- Four accent colors (blue, purple, red, turquoise) for integral handle extrusions and end caps match the most popular operator interface color schemes
- Aluminum front plate

Construction

- Body manufactured from 14 gauge steel
- Front plate is .125-inch aluminum

Finish

Enclosure body and front plate are finished with RAL 7035 light gray polyester powder paint. Standard handle extrusions and end caps are finished with RAL 9005 black polyester powder paint.

Industry Standards

UL 508A, File Number E61997: Type 4, 12
NEMA Type 4, 12
cUL CSA C22.2 No. 94, File No. E61997: Type 4, 12
IEC 60529, IP66

Accessories

See *Accessories* chapter.

- Corrosion Inhibitors
- Electric Heaters
- Fan Cooling Products
- Touch-Up Paint (ATPG7035)

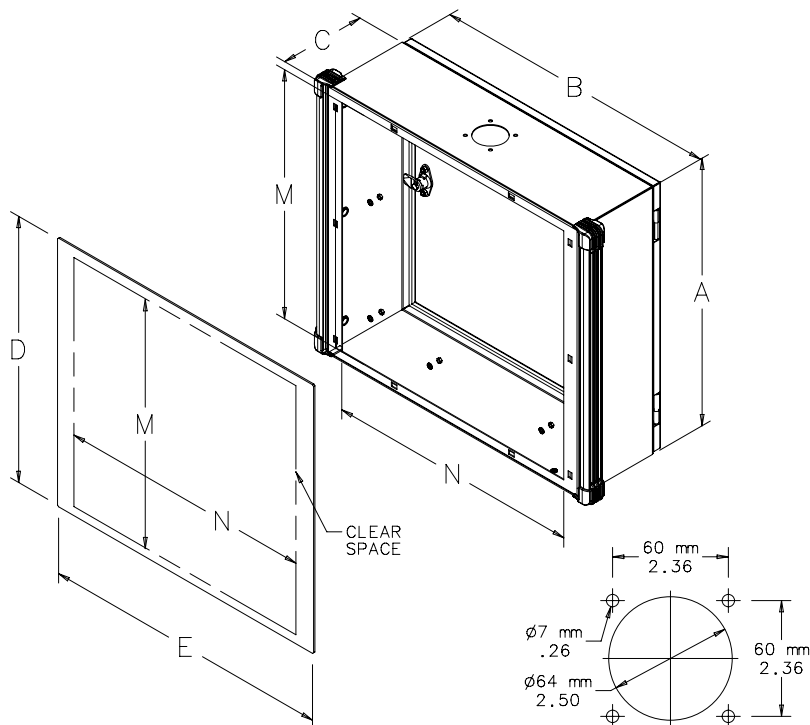
Modification Services Program

You can customize this product to your unique requirements by specifying from these options:

- Over 100 standard finish colors and textures
- Holes and cutouts in body and doors
- Standard accessories installed by Hoffman

To order, contact your local Hoffman sales representative.

NOTE: For information about modifications outside the scope of the Modification Services program, contact your Hoffman sales representative.



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CONCEPT® Operator Interface Enclosure System

Standard Sizes CONCEPT Operator Interface Enclosures

Catalog Number	A x B x C mm (in.)	Front Opening M (mm)	Front Opening M (in.)	Front Opening N (mm)	Front Opening N (in.)	Front Plate D (mm)	Front Plate D (in.)	Front Plate E (mm)	Front Plate E (in.)	Product Weight (lb)
CP253512	250 x 350 x 120 (9.84 x 13.78 x 4.72)	210	8.27	280	11.02	250	9.86	361	14.22	10.5
CP304012	300 x 400 x 120 (11.81 x 15.75 x 4.72)	260	10.24	330	12.99	330	12.99	411	16.19	14.9
CP323512	325 x 350 x 120 (12.80 x 13.78 x 4.72)	285	11.22	280	11.02	325	12.81	361	14.22	16.5
CP354512	350 x 450 x 120 (13.78 x 17.72 x 4.72)	310	12.20	380	14.96	350	13.79	461	18.16	20.0
CP354518	350 x 450 x 180 (13.78 x 17.72 x 7.09)	310	12.20	380	14.96	350	13.79	461	18.16	22.3
CP354530	350 x 450 x 300 (13.78 x 17.72 x 11.81)	310	12.20	380	14.96	350	13.79	461	18.16	26.9
CP374012	375 x 400 x 120 (14.76 x 15.75 x 4.72)	335	13.19	330	12.99	375	14.78	411	16.19	20.0
CP405012	400 x 500 x 120 (15.75 x 19.69 x 4.72)	360	14.17	430	16.93	400	15.76	511	20.13	24.3
CP405018	400 x 500 x 180 (15.75 x 19.69 x 7.09)	360	14.17	430	16.93	400	15.76	511	20.13	26.5
CP405030	400 x 500 x 300 (15.75 x 19.69 x 11.81)	360	14.17	430	16.93	400	15.76	511	20.13	30.9
CP424512	425 x 450 x 120 (16.73 x 17.72 x 4.72)	385	15.16	380	14.96	425	16.75	461	18.16	23.9
CP424518	425 x 450 x 180 (16.73 x 17.72 x 7.09)	385	15.16	380	14.96	425	16.75	461	18.16	25.8
CP424530	425 x 450 x 300 (16.73 x 17.72 x 11.81)	385	15.16	380	14.96	425	16.75	461	18.16	30.2
CP455512	450 x 550 x 120 (17.72 x 21.65 x 4.72)	410	16.14	480	18.90	450	17.73	561	22.10	28.6
CP455518	450 x 550 x 180 (17.72 x 21.65 x 7.09)	410	16.14	480	18.90	450	17.73	561	22.10	31.0
CP455530	450 x 550 x 300 (17.72 x 21.65 x 11.81)	410	16.14	480	18.90	450	17.73	561	22.10	35.8
CP475012	475 x 500 x 120 (18.70 x 19.69 x 4.72)	435	17.13	430	16.93	475	18.72	511	20.13	28.0
CP475018	475 x 500 x 180 (18.70 x 19.69 x 7.09)	435	17.13	430	16.93	475	18.72	511	20.13	30.2
CP475030	475 x 500 x 300 (18.70 x 19.69 x 11.81)	435	17.13	430	16.93	475	18.72	511	20.13	34.6
CP486012	480 x 600 x 120 (18.90 x 23.62 x 4.72)	440	17.32	530	20.87	480	18.90	611	24.06	32.2
CP486018	480 x 600 x 180 (18.90 x 23.62 x 7.09)	440	17.32	530	20.87	480	18.90	611	24.06	34.6
CP486030	480 x 600 x 300 (18.90 x 23.62 x 11.81)	440	17.32	530	20.87	480	18.90	611	24.06	39.4
CP525512	525 x 550 x 120 (20.67 x 21.65 x 4.72)	485	19.09	480	18.90	525	20.68	561	22.10	32.5
CP525518	525 x 550 x 180 (20.67 x 21.65 x 7.09)	485	19.09	480	18.90	525	20.68	561	22.10	34.9
CP525530	525 x 550 x 300 (20.67 x 21.65 x 11.81)	485	19.09	480	18.90	525	20.68	561	22.10	39.7
CP556012	555 x 600 x 120 (21.85 x 23.62 x 4.72)	515	20.28	530	20.87	555	21.86	611	24.06	36.8
CP556018	555 x 600 x 180 (21.85 x 23.62 x 7.09)	515	20.28	530	20.87	555	21.86	611	24.06	38.8
CP556030	555 x 600 x 300 (21.85 x 23.62 x 11.81)	515	20.28	530	20.87	555	21.86	611	24.06	43.6

Four accent colors are offered for handle extrusions and end caps: Blue, purple, red, and turquoise. To order a color, add the first letter of the color (B, P, R, or T) to the end of any enclosure catalog number.

CONCEPT® Operator Interface Enclosure System

Accent Colors



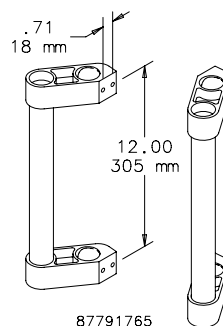
Four accent colors are offered for the integral handle extrusions and end caps. Blue, purple, red, and turquoise are available. To order the color of your choice, add the first letter of the color (B, P, R, or T) to the end of any enclosure catalog number

Accessory Handle Kit



Handles can be installed on the integral handle extrusions or the bottom of the enclosure. Handle length is 13.40 inches and can be cut down to fit smaller enclosure sizes. Aluminum tube is finished with RAL 9005 black polyester powder paint. Plastic ends are RAL 9005 black. Kit includes one pair of handles and all mounting hardware.

Catalog Number	Description	Product Weight (lb)
CHDLK	One pair of handles and mounting hardware	1.7

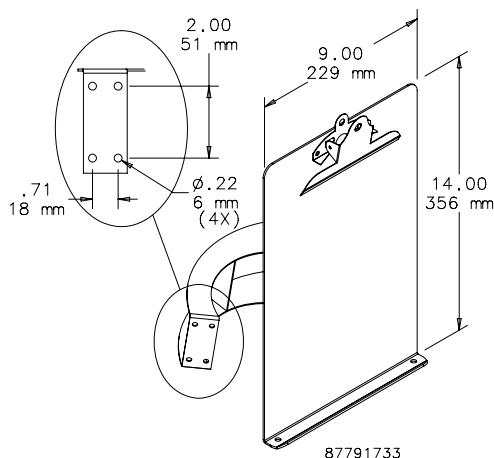


Clipboard/White Board



The clipboard/white board can be installed on either handle extrusion. All mounting hardware and installation instructions are included. Finished with white paint. Dry erase markers can be used on the front writing surface.

Catalog Number	Description	Product Weight (lb)
CCLPBRD	Clipboard and mounting hardware	2



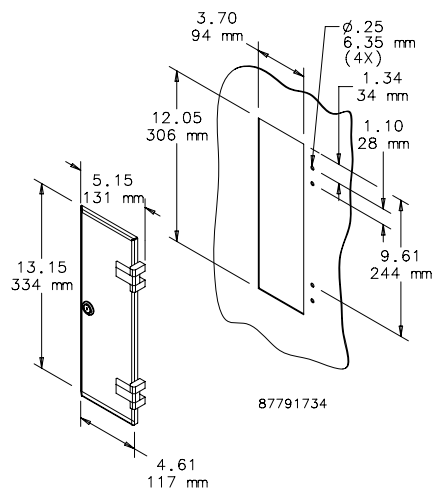
CONCEPT® Operator Interface Enclosure System

Drive Access Door



Drive door can be installed on enclosures to access internal disk drives. Key-locking latch is included. An installation template is included in the installation instructions. All installation hardware is included. Finished with RAL 7035 light gray polyester powder paint. Hinges are finished with RAL 9005 black polyester powder paint. Maintains Type I2 rating for 180mm- and 300mm-deep enclosures.

Catalog Number	Description	Product Weight (lb)
CDACCDR	Door and installation hardware	1.7

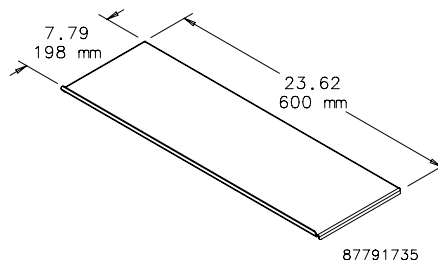


Keyboard Tray



Tray attaches to keyboard frame. Provides a surface for a PC mouse as well as a platform for a keyboard. Aluminum construction finished with RAL 7035 light gray polyester powder paint.

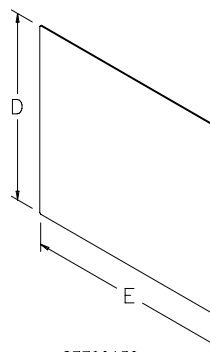
Catalog Number	Material	Product Weight (lb)
CKBT	Aluminum	3.0



CONCEPT® Operator Interface Enclosure System

Replacement Front Plate

Aluminum plate is .125 inch thick. Finish is RAL 7035 light gray polyester powder paint. Mounting hardware is included.



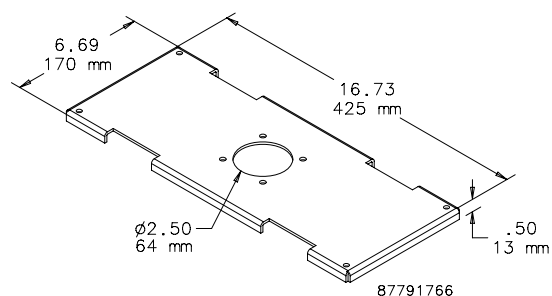
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Catalog Number	D (mm)	D (in.)	E (mm)	E (in.)	Fits Enclosure A x B (mm)	Fits Enclosure A x B (in.)	Weight (lb)
CPFP2535	250	9.84	361	14.22	250 x 350	9.84 x 13.78	1.7
CPFP3040	300	11.81	411	16.19	300 x 400	11.81 x 15.75	2.4
CPFP3235	325	12.80	361	14.22	325 x 350	12.80 x 13.78	2.3
CPFP3545	350	13.78	461	18.16	350 x 450	13.78 x 17.72	3.1
CPFP3740	375	14.76	411	16.19	375 x 400	14.76 x 15.75	3.0
CPFP4050	400	15.75	511	20.13	400 x 500	15.75 x 19.68	3.9
CPFP4245	425	16.73	461	18.16	425 x 450	16.73 x 17.72	3.8
CPFP4555	450	17.72	561	22.10	450 x 550	17.72 x 21.65	4.8
CPFP4750	475	18.70	511	20.13	475 x 500	18.70 x 19.68	4.7
CPFP4860	480	18.90	611	24.06	480 x 600	18.90 x 23.62	5.6
CPFP5255	525	20.67	561	22.10	525 x 550	20.67 x 21.65	5.6
CPFP5560	555	21.85	611	24.06	555 x 600	21.85 x 23.62	6.5

Support Bracket

Support bracket provides extra rigidity in 180mm-deep enclosures that are either pendant- or pedestal-mounted. The bracket mounts in the top or bottom of the enclosure; drilling is required (drill points included on enclosure). The support bracket is not required for 120mm-deep enclosures.

Catalog Number	Description	Product Weight (lb)
CSB180	One bracket per package	1.8



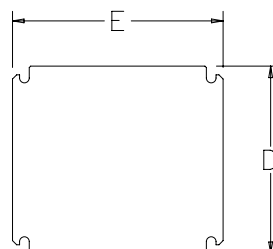
CONCEPT® Operator Interface Enclosure System

Door Panel



CONCEPT OI door panels are used for mounting in the rear door of a CONCEPT OI enclosure. Panels are made of 12 or 14 gauge steel (see table). Steel panels are painted white. Conductive panels are galvanized.

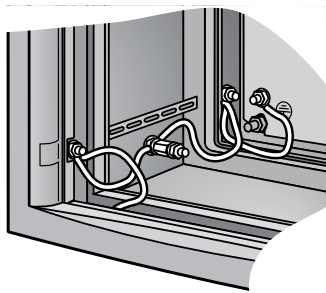
Catalog Number		Gauge		D		E	
Steel	Conductive	Steel	Conductive	mm	in.	mm	in.
CP2535	CP2535G	14	12	131	5.18	232	9.14
CP3040	CP3040G	14	12	181	7.15	282	11.11
CP3235	CP3235G	14	12	206	8.13	232	9.14
CP3545	CP3545G	14	12	232	9.12	332	13.08
CP3740	CP3740G	14	12	256	10.10	282	11.11
CP4050	CP4050G	12	12	281	11.09	382	15.04
CP4245	CP4245G	12	12	306	12.07	332	13.08
CP4555	CP4555G	12	12	331	13.05	432	17.01
CP4750	CP4750G	12	12	356	14.04	382	15.04
CP4860	CP4860G	12	12	361	14.23	482	18.98
CP5255	CP5255G	12	12	407	16.01	432	17.01
CP5560	CP5560G	12	12	436	17.19	482	18.98



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Operator Interface
Enclosure Systems

Grounding Kit



Kit provides a means of attaching a grounding conductor to an enclosure. Kit consists of two copper wires with all installation hardware and instructions included. Wires are insulated.

Catalog Number	Description
CC6K	Grounding Kit

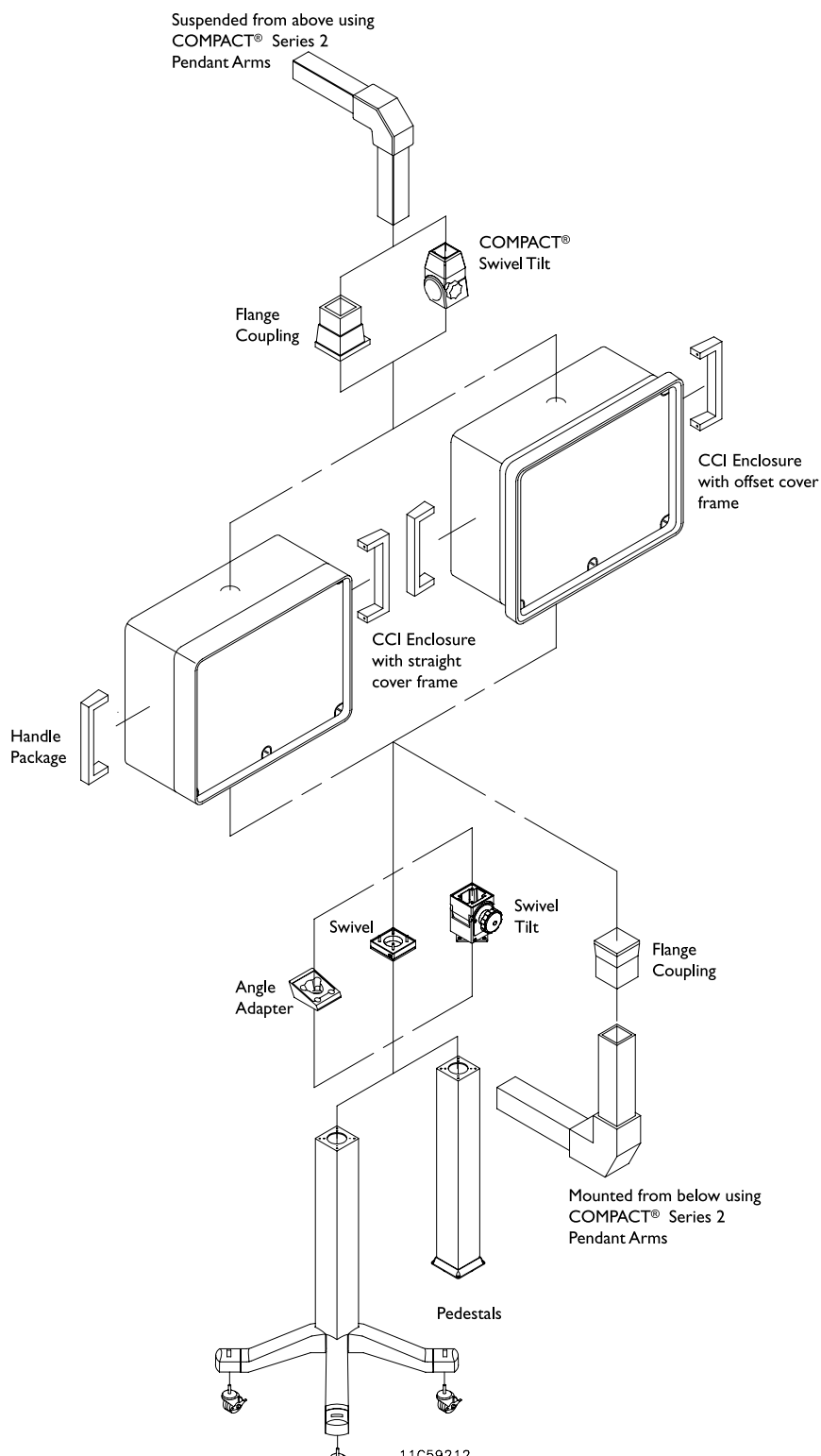
COMPACT® CCI Operator Interface Enclosure System

COMPACT CCI Operator Interface enclosures provide control systems designers with additional options for wall, pedestal, or pendant mounted enclosures. CCI enclosures are designed to house a variety of machine control components and systems. Constructed of rugged cast aluminum, these durable enclosures are suitable for harsh industrial and process environments. They are impact-resistant and have a deep front visor that protects components mounted on the front plate.

Eight sizes of CCI enclosures are available, with outside dimensions ranging from 200 x 230 x 130mm to 600 x 310 x 230mm. Optional panels, DIN rails, hinges, and handles are also available as accessories.



COMPACT® CCI Operator Interface Enclosure System



COMPACT® CCI Operator Interface Enclosure System



Application

Operator Interface enclosures serve as machine control enclosures for electrical controls and other components that are located in dirty and occasionally corrosive environments. These enclosures also protect controls from impact or accidental contact. Multiple mounting provisions (wall, pedestal, or suspension arm) and full front viewing panels provide for ideal operator interface. A variety of enclosure sizes are available to suit a wide range of applications.

Construction

- Cast aluminum body and cover frame provides impact-resistance and strength (enclosure is appropriate for pendant arm mounting without additional support)
- Straight and offset cover frame around front of enclosure shields external components mounted on front mounting plate (pushbuttons, keypads, etc.) from accidental contact
- Removable front cover frame is attached with slotted machine screws
- Aluminum front mounting plate (3mm thick) is removable; plate can be machined to fit user's specifications
- Oil-resistant gasket attached with oil-resistant adhesive
- Optional aluminum handles for enclosures mounted on pendant arms or for carrying
- Optional hinges for front cover frame

Finish

Enclosure cover frame is textured black; body is ANSI 6I gray and front plate is clear anodized aluminum with brushed finish.

Industry Standards

UL 508A, File Number E61997: Type 4, 4X, I2, I3
NEMA/EEMAC Type 4, 4X, I2, I3
CSA File Number 42186: Type 4, 4X, I2, I3
IEC 60529, IP65
DIN 40050

Accessories

See Accessories chapter.

Corrosion Inhibitors
DIN Type Rails
Electric Heater
Fan Cooling Products
Panels
Terminal Kit Assembly
Touch-Up Paint (ATPPY61)

Handle Kit



Catalog Number	Description	Weight (lb)
CCCH150	150mm handle	0.3
CCCH220	220mm handle	0.3
CCCH300	300mm handle	0.3

Hinge Kit



Catalog Number	Weight (lb)
CCAHK	0.1

Panels

Catalog Number	Panel Size mm (in.)	Fits Enclosure Catalog Number	Weight (lb)
CCAP2023	185 x 215 (7.29 x 8.47)	CCC202313, CCC202322	0.9
CCAP4031	387 x 294 (15.25 x 11.58)	CCC403113, CCC403122	4.6
CCAP3323	315 x 215 (12.41 x 8.47)	CCC332315, CCC332322	1.6
CCAP6031	585 x 294 (23.05 x 11.58)	CCC603115, CCC603122	7.2

Panels are plated steel.

COMPACT® CCI Operator Interface Enclosure System

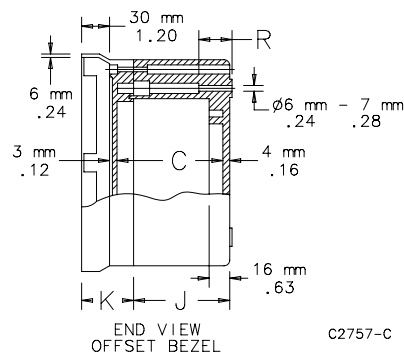
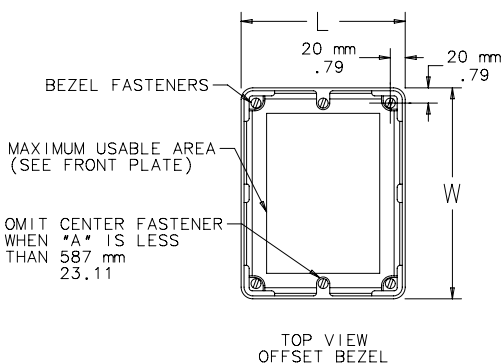
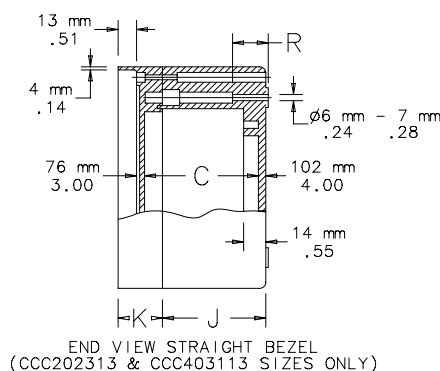
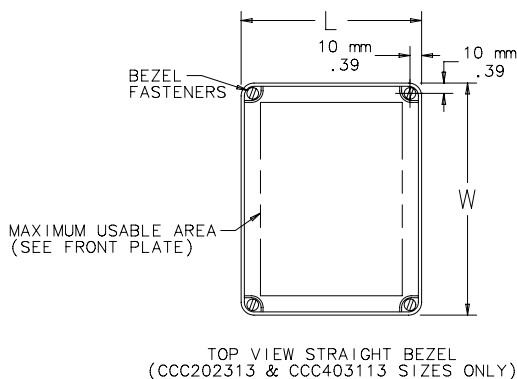
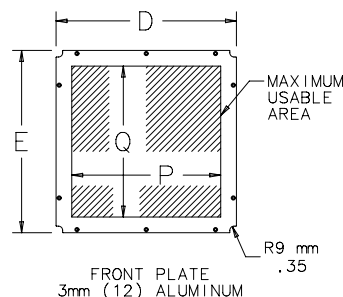
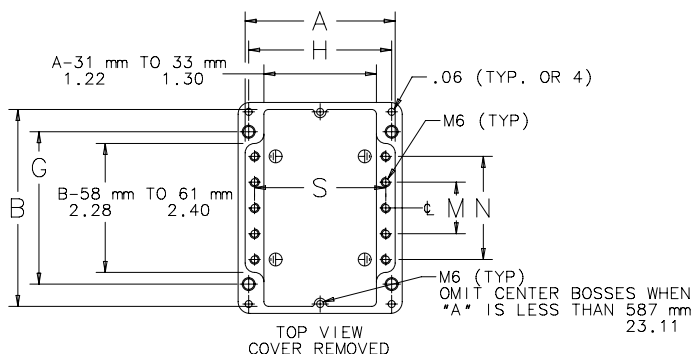
Standard Sizes CONCEPT Operator Interface Enclosures

Catalog Number ^a	Overall L x W mm (in.)	Inside Dimensions A x B x C mm (in.)	Mounting G x H mm (in.)	Front Plate D x E mm (in.)	Front Plate Clear Space P x Q mm (in.)	J mm (in.)	K mm (in.)	M mm (in.)	N mm (in.)	S mm (in.)	Product Weight (lb)
^b CCC202313	200 x 230 (7.87 x 9.06)	189 x 219 x 109 (7.44 x 8.62 x 4.29)	180 x 180 (7.09 x 7.09)	191 x 221 (7.52 x 8.70)	154 x 184 (6.06 x 7.24)	90 (3.54)	39 (1.54)	80 (3.15)	144 (5.67)	170 (6.69)	5.3
^b CCC403113	402 x 310 (15.83 x 12.20)	390 x 297 x 106 (15.35 x 11.69 x 4.17)	261 x 383 (10.28 x 15.08)	391 x 301 (15.39 x 11.85)	353 x 263 (13.90 x 10.35)	90 (3.54)	39 (1.54)	224 (8.82)	—	373 (14.69)	7.9
^{b, c} CCC332315	352 x 252 (13.86 x 9.92)	319 x 219 x 110 (12.56 x 8.62 x 4.33)	180 x 310 (7.09 x 12.20)	321 x 221 (12.64 x 8.70)	284 x 184 (11.18 x 7.24)	90 (3.54)	61 (2.40)	80 (3.15)	144 (5.67)	300 (11.81)	7.9
^c CCC603115	620 x 330 (24.41 x 12.99)	587 x 297 x 108 (23.11 x 11.69 x 4.25)	261 x 580 (10.28 x 22.83)	591 x 301 (23.27 x 11.85)	554 x 264 (21.81 x 10.39)	90 (3.54)	61 (2.40)	224 (8.82)	—	270 (10.63)	15.4
^{b, c} CCC202322	222 x 252 (8.74 x 9.92)	189 x 219 x 180 (7.44 x 8.62 x 7.09)	180 x 180 (7.09 x 7.09)	191 x 221 (7.52 x 8.70)	154 x 184 (6.06 x 7.24)	160 (6.30)	61 (2.40)	144 (5.67)	—	170 (6.69)	8.6
^{b, c} CCC332322	352 x 252 (13.86 x 9.92)	319 x 219 x 180 (12.56 x 8.62 x 7.09)	180 x 310 (7.09 x 12.20)	321 x 221 (12.64 x 8.70)	284 x 184 (11.18 x 7.24)	160 (6.30)	61 (2.40)	144 (5.67)	—	170 (6.69)	8.6
^c CCC403122	422 x 330 (16.61 x 12.99)	390 x 297 x 179 (15.35 x 11.69 x 7.05)	261 x 383 (10.28 x 15.08)	391 x 301 (15.39 x 11.85)	354 x 264 (13.94 x 10.39)	160 (6.30)	61 (2.40)	224 (8.82)	—	373 (14.69)	15.0
^c CCC603122	620 x 330 (24.41 x 12.99)	587 x 297 x 179 (23.11 x 11.69 x 7.05)	261 x 580 (10.28 x 22.83)	591 x 301 (23.27 x 11.85)	554 x 264 (21.81 x 10.39)	160 (6.30)	61 (2.40)	224 (8.82)	—	570 (22.44)	20.5

^a Purchase panels separately. See table on previous page.

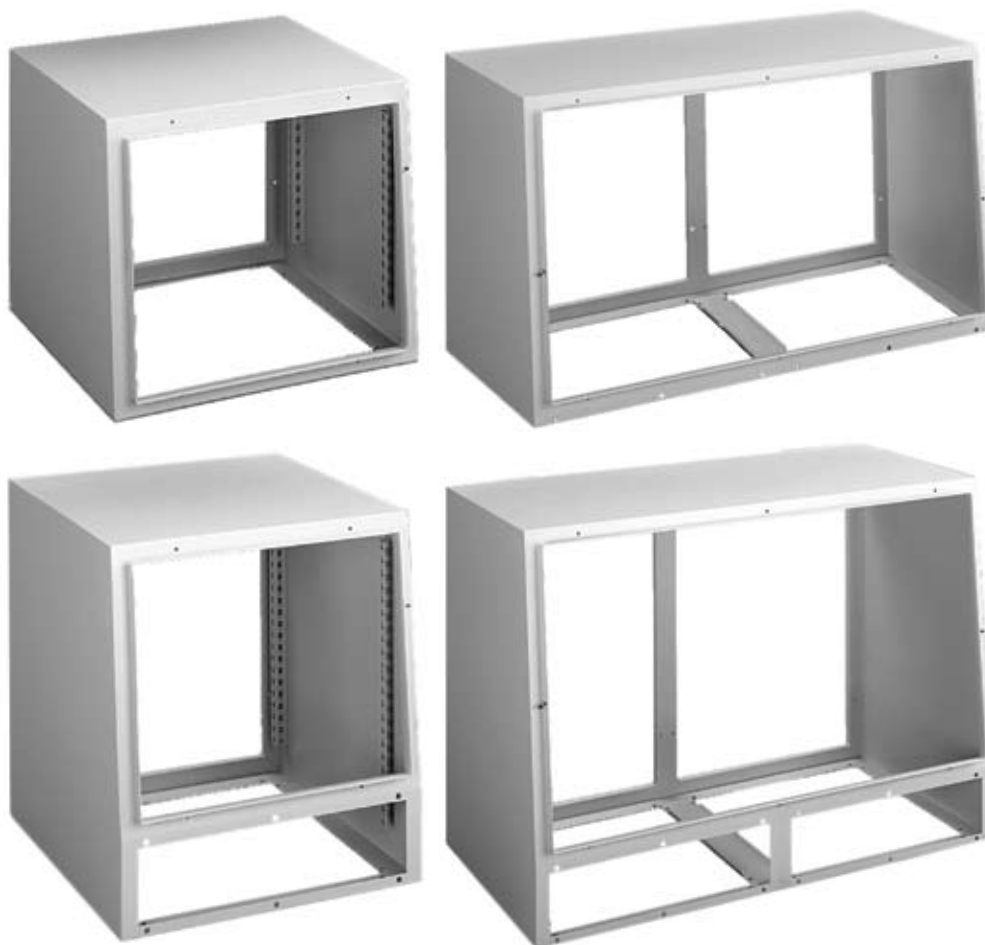
^b Suitable for Series 1 pendant mounting.

^c Offset cover frame.



PROLINE® Sloped Top Operator Interface Enclosure System

PROLINE sloped top operator interface enclosures are available in three widths—600, 800, and 1200mm. The depth for all sizes is 600mm. These operator interface enclosures are available in both steel and stainless steel. The sloped top with accessory front accommodates keyboard and control compartments as well as writing surfaces. By introducing numerous sizes and accessory fronts, only Hoffman provides so vast an array of options for housing operator interfaces and related equipment, such as keyboards, push-buttons, printers, and PLCs.



Industry Standards

UL 508A, File Number E61997
CSA File Number 42186
IEC 60529

PROLINE sloped top operator interface enclosures are rated UL and CSA Type 4X or I2 as follows:

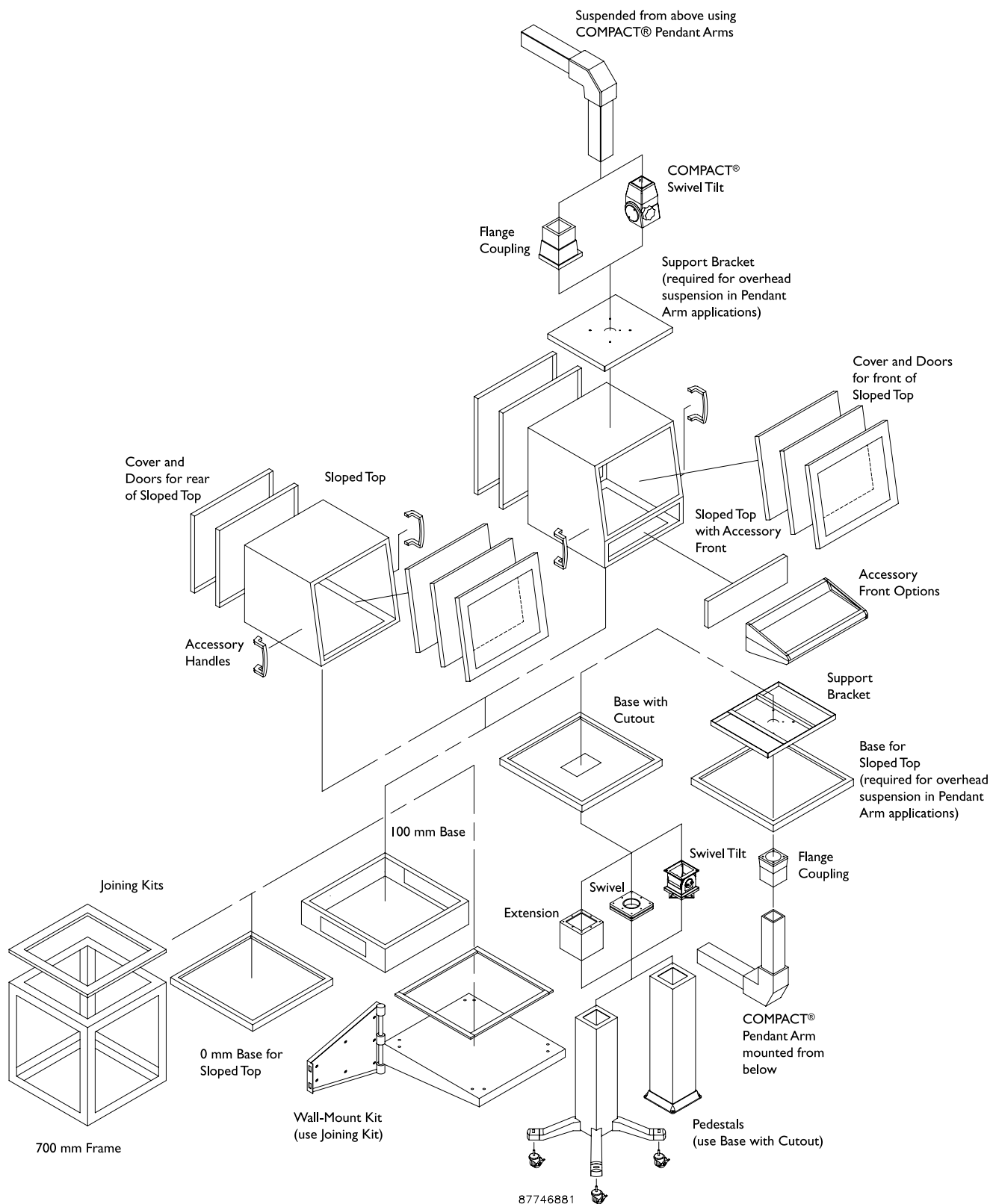
- Painted steel sloped tops are UL and CSA Type I2, IP55
- Painted steel front, rear, and bottom options are UL and CSA Type I2, IP55
- Stainless steel sloped tops are UL and CSA Type 4, 4X, and I2, IP66
- Stainless steel front, rear, and bottom options are UL and CSA Type 4, 4X, and I2, IP66

Patents

This product is covered by the following patents:

US 5,380,083
US 5,388,903
US 5,292,189
US 5,407,263
US 391,143

PROLINE® Sloped Top Operator Interface Enclosure System



PROLINE® Sloped Top Operator Interface Enclosure System



Sloped Top

Enclosure is available in three heights—400, 500, and 700mm. Full front opening for door/cover options has a 5-degree slope. Rear opening(s) for door and cover options. Optional PROLINE frame shelf or PROLINE grid system is recommended to provide a stationary platform for supporting deep equipment. The open bottom is suitable for joining the top to a 700mm-tall PROLINE frame. The bottom of the 600mm x 600mm sizes can be joined through a cutout base to a pedestal or pendant arm system. A support bracket accessory allows the 600mm x 600mm sizes to be suspended from an overhanging pendant arm. Sloped top enclosures are Type 304 stainless steel or 14 gauge steel with an RAL 7035 light gray textured polyester powder paint finish.

Catalog Number	Nominal Size A x B x C (mm)	A x B x C mm (in.)	Description	Front Opening E x G mm (in.)	Rear Opening F x H mm (in.)	D mm (in.)	Internal Mounting J mm (in.)	Internal Mounting K mm (in.)	Product Weight (lb)
PST466	400 x 600 x 600	407 x 608 (16.04 x 23.94)	Steel	339 x 536 (13.36 x 21.11)	336 x 564 (13.21 x 21.11)	507 (19.96)	225 (8.86)	225 (8.86)	44.0
PST566	500 x 600 x 600	507 x 608 (19.98 x 23.94)	Steel	440 x 536 (17.31 x 21.11)	435 x 536 (17.13 x 21.11)	498 (19.61)	325 (12.80)	325 (12.80)	46.7
PST766	700 x 600 x 600	707 x 608 (27.85 x 23.94)	Steel	641 x 536 (25.22 x 21.11)	636 x 536 (25.02 x 21.11)	481 (18.92)	525 (20.67)	525 (20.67)	59.9
PST766SS	700 x 600 x 600	707 x 608 (27.85 x 23.94)	Stainless Steel	641 x 536 (25.22 x 21.11)	636 x 536 (25.02 x 21.11)	481 (18.92)	525 (20.67)	525 (20.67)	68.0
PST786	700 x 800 x 600	707 x 808 (27.85 x 31.81)	Steel	640 x 736 (25.22 x 28.98)	636 x 736 (25.02 x 28.98)	481 (18.92)	525 (20.67)	525 (20.67)	66.0
PST7126	700 x 1200 x 600	707 x 1208 (27.85 x 47.56)	Steel	641 x 1136 (25.22 x 44.73)	636 x 536 (25.02 x 21.11)	481 (18.92)	525 (20.67)	525 (20.67)	82.0

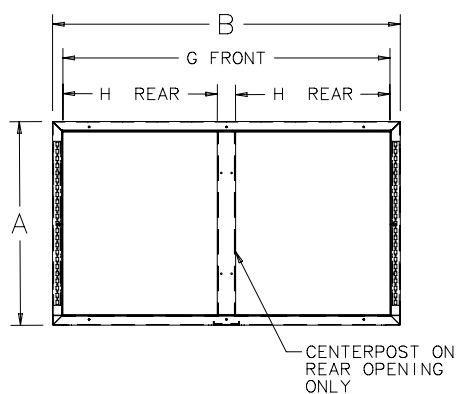


Sloped Top with Accessory Front

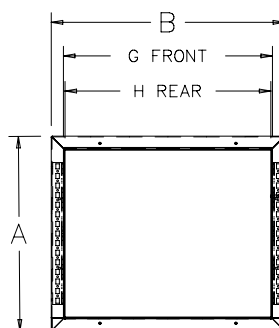
Enclosure is available in two heights: 500mm and 700mm. Upper front opening for door/cover options has a 5-degree slope. Lower section is suitable for keyboard or other front options. Rear opening(s) for door and cover options. The internal mounting hole pattern accommodates most PROLINE internal accessories. Optional PROLINE frame shelf or PROLINE grid system provides a stationary platform for supporting deep equipment. The open bottom is suitable for joining the top to a 700mm PROLINE frame. The bottom of the 600mm x 600mm sizes can be joined through a cutout base to a pedestal or pendant arm system. A support bracket accessory allows the 600mm x 600mm size to be suspended from an overhanging pendant arm. Sloped tops with accessory front are Type 304 stainless steel or 14 gauge steel with RAL 7035 textured light gray polyester powder paint finish.

Catalog Number	Nominal Size A x B x C (mm)	A x B x C mm (in.)	Description	Front Opening E x G mm (in.)	Rear Opening F x H mm (in.)	D mm (in.)	Internal Mounting J mm (in.)	Internal Mounting K mm (in.)	Product Weight (lb)
PST5A66	500A x 600 x 600	682 x 608 (26.85 x 23.94)	Steel	440 x 536 (17.31 x 21.11)	611 x 536 (24.04 x 21.11)	498 (19.61)	500 (19.69)	500 (19.69)	59.0
PST5A66SS	500A x 600 x 600	682 x 608 (26.85 x 23.94)	Stainless Steel	440 x 536 (17.31 x 21.11)	611 x 536 (24.04 x 21.11)	498 (19.61)	500 (19.69)	500 (19.69)	70.0
PST5A86	500A x 800 x 600	682 x 808 (26.85 x 31.81)	Steel	440 x 736 (17.31 x 28.98)	611 x 736 (24.04 x 28.98)	498 (19.61)	500 (19.69)	500 (19.69)	64.0
PST5A126	500A x 1200 x 600	682 x 1208 (26.85 x 47.56)	Steel	440 x 1136 (17.31 x 44.73)	611 x 536 (24.04 x 21.11)	498 (19.61)	500 (19.69)	500 (19.69)	86.0
PST7A66	700A x 600 x 600	882 x 608 (34.72 x 23.94)	Steel	641 x 536 (25.22 x 21.11)	811 x 536 (31.91 x 21.11)	481 (18.92)	700 (27.56)	700 (27.56)	70.0
PST7A66SS	700A x 600 x 600	882 x 608 (34.72 x 23.94)	Stainless Steel	641 x 536 (25.22 x 21.11)	811 x 536 (31.91 x 21.11)	481 (18.92)	700 (27.56)	700 (27.56)	85.0
PST7A86	700A x 800 x 600	882 x 808 (34.72 x 31.81)	Steel	641 x 736 (25.22 x 28.98)	811 x 736 (31.91 x 28.98)	481 (18.92)	700 (27.56)	700 (27.56)	73.0
PST7A126	700A x 1200 x 600	882 x 1208 (34.72 x 47.56)	Steel	641 x 1136 (25.22 x 44.73)	811 x 536 (31.91 x 21.11)	481 (18.92)	700 (27.56)	700 (27.56)	111.0

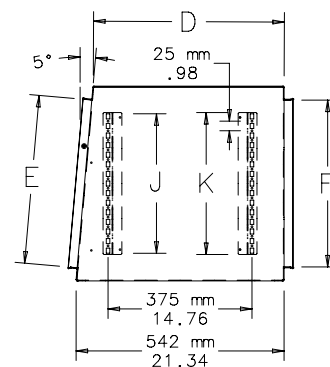
PROLINE® Sloped Top Operator Interface Enclosure System



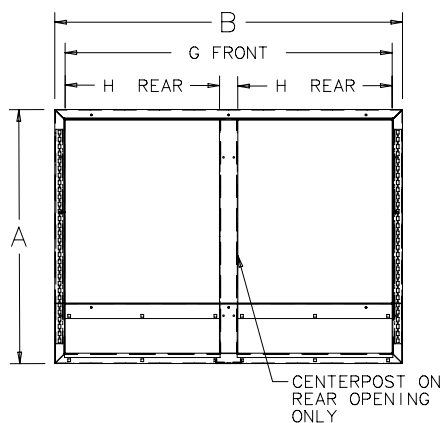
1200 mm wide Sloped Top



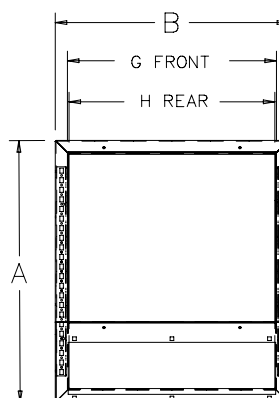
600 mm/800 mm wide Sloped Top



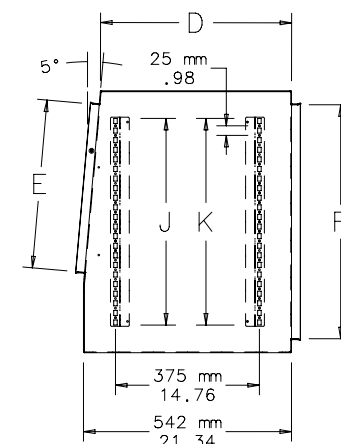
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1200 mm wide Sloped Top
with Accessory Front

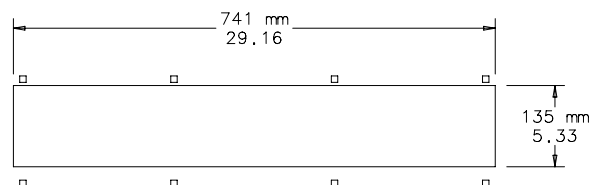
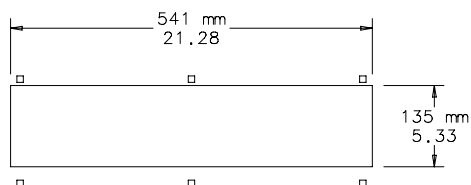


600 mm/800 mm wide Sloped
Top with Accessory Front



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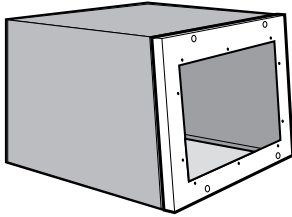
Accessory Front Opening Dimensions



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PROLINE® Sloped Top Operator Interface Enclosure System

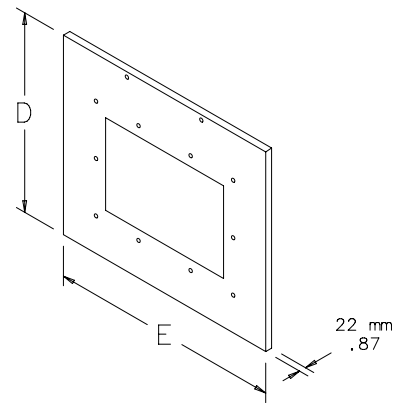
Covers with OI Cutout for Upper Front of PROLINE Sloped Tops



Covers with OI cutouts are secured to the front opening of a PROLINE sloped top with semi-flush cover screws along the top and bottom cover edges. Use PROLINE frame shelf or PROLINE grid straps and plates to support operator interface. Ground stud and mounting hardware are included. Seamless foam-in-place gasket assures a watertight and dusttight seal. Covers are 16 gauge

steel finished with RAL 7035 textured light gray polyester powder paint. Optional tamper-resistant cover screws are available.

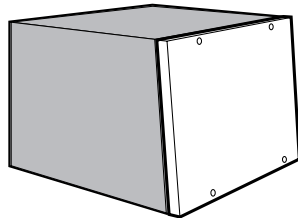
NOTE: Through the Modification Services program, Hoffman can provide pre-configured covers to meet your specific requirements. Contact your local Hoffman Sales Representative for more information.



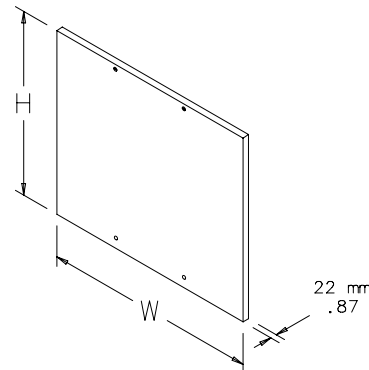
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Catalog Number	Manufacturer	Model for Manufacturer	Approx. OI Weight (lb)	Approx. OI Weight (Kg)	D x E (mm)	D x E (in.)	Fits Sloped Top (mm)	Product Weight (lb)
PCSK56F6	Allen-Bradley	PanelView 1200e/1400e Keypad	46	20.9	504 x 592	19.86 x 23.30	500 x 600 and 500A x 600	13.0
PCSK76F6	Allen-Bradley	PanelView 1200e/1400e Keypad	46	20.9	705 x 592	27.77 x 23.30	700 x 600 and 700A x 600	14.5

Covers for Upper Front of PROLINE Sloped Tops



Solid 16 gauge steel covers are secured to the front opening of a PROLINE sloped top with semi-flush cover screws along the top and bottom cover edges. Ground stud and mounting hardware are included. Seamless foam-in-place gasket assures a watertight and dusttight seal. Covers are Type 304 stainless steel or 16 gauge steel with an RAL 7035 light gray textured polyester powder paint finish. Optional tamper-resistant cover screws are available.

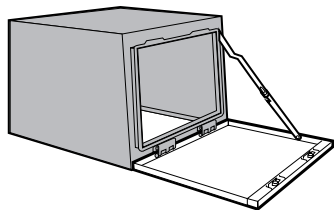


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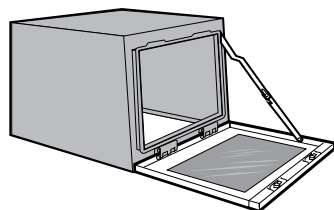
Catalog Number	Description	Cover Size H x W (mm)	Cover Size H x W (in.)	Product Weight (lb)
PCS46F	Steel	406 x 592	15.98 x 23.30	13.0
PCS56F	Steel	506 x 592	19.93 x 23.30	14.0
PCS56FSS	Stainless Steel	506 x 592	19.93 x 23.30	19.5
PCS58F	Steel	506 x 792	19.93 x 31.17	17.0
PCS58FSS	Stainless Steel	506 x 792	19.93 x 31.17	23.0
PCS512F	Steel	507 x 1192	19.93 x 46.92	25.0
PCS76F	Steel	707 x 592	27.84 x 23.30	15.5
PCS76FSS	Stainless Steel	707 x 592	27.84 x 23.30	19.5
PCS78F	Steel	707 x 792	27.84 x 31.17	20.5
PCS712F	Steel	707 x 1192	27.84 x 46.92	30.0

PROLINE® Sloped Top Operator Interface Enclosure System

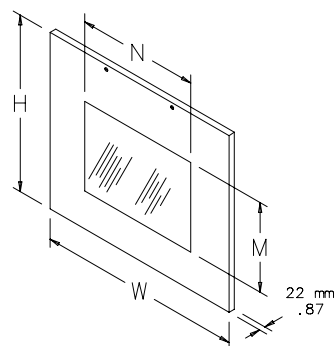
Doors for Upper Front of PROLINE Sloped Tops



Solid 16 gauge steel doors are available with or without windows. Doors are hinged at lower edge and have quarter-turn latches. A stop arm assembly holds the door at 95 degrees (horizontal) from its closed position. Standard latch and insert options are available. Ground stud and mounting hardware are included. Seamless polyurethane foam-in-place gasket assures watertight and dusttight seal.



Window doors feature a maximum size polycarbonate window .25 inch thick with a smoke gray tint. Window is field-replaceable. Finish is RAL 7035 textured light gray polyester powder paint or Type 304 stainless steel.



87746883

Solid Doors for Upper Front

Catalog Number	Description	Door Size H x W (mm)	Door Size H x W (in.)	Product Weight (lb)
PDS46F	Steel	404 x 592	15.91 x 23.30	14.0
PDS56F	Steel	504 x 592	19.86 x 23.30	15.9
PDS56FSS	Stainless Steel	504 x 592	19.86 x 23.30	21.5
PDS58F	Steel	504 x 792	19.86 x 31.17	18.0
PDS58FSS	Stainless Steel	504 x 792	19.86 x 31.17	24.0
PDS512F	Steel	504 x 1192	19.86 x 46.92	26.0
PDS76F	Steel	705 x 592	27.77 x 23.30	16.5
PDS76FSS	Stainless Steel	705 x 592	27.77 x 23.30	20.5
PDS78F	Steel	705 x 792	27.77 x 31.17	21.5
PDS712F	Steel	705 x 1192	27.77 x 46.92	31.0

Window Doors for Upper Front

Catalog Number	Description	Door Size H x W (mm)	Door Size H x W (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Product Weight (lb)
PDW46F	Steel	404 x 592	15.91 x 23.30	254 x 432	10.00 x 17.00	14.0
PDW56F	Steel	504 x 592	19.86 x 23.30	362 x 432	14.25 x 17.00	15.0
PDW56FSS	Stainless Steel	504 x 592	19.86 x 23.30	362 x 432	14.25 x 17.00	21.5
PDW56W16	Steel	504 x 592	19.86 x 23.30	254 x 318	10.00 x 12.50	15.0
PDW58F	Steel	504 x 592	19.86 x 23.30	362 x 635	14.25 x 25.00	18.0
PDW58FSS	Stainless Steel	504 x 592	19.86 x 23.30	362 x 635	14.25 x 25.00	24.0
PDW76F	Steel	705 x 592	27.77 x 23.30	559 x 432	22.00 x 17.00	16.5
PDW76FSS	Stainless Steel	705 x 592	27.77 x 23.30	559 x 432	22.00 x 17.00	20.5
PDW76W21	Steel	705 x 592	27.77 x 23.30	330 x 432	13.00 x 17.00	16.5

PROLINE Upper Front Door Accessories

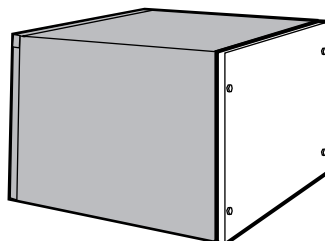
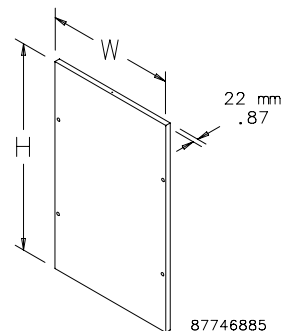
These accessories provide a variety of latch configurations for PROLINE sloped top front doors.

Catalog Number	Description
Key Inserts	
LLKSM7	7mm square
LLKSM8	8mm square
LLKDBM3	Double-bit with 3mm pin
LLKDB	Daimler Benz
LLKSS	Slotted
Wing Knob Latch	
LLKWK	One latch and two keys
Flush Key Lock	
PSTLO	One lock and two keys

PROLINE® Sloped Top Operator Interface Enclosure System

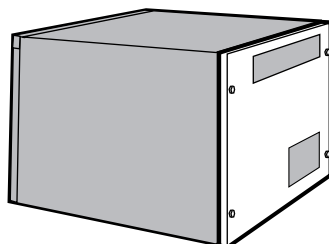
Covers for Rear of PROLINE Sloped Tops

Cover fits rear opening of PROLINE sloped tops and is secured with semi-flush cover screws along right and left cover edges. Use PROLINE frame shelf or PROLINE grid straps to support the operator interface. Seamless foam-in-place gasket assures watertight and dusttight seal. Ground stud and mounting hardware are included. Optional tamper-resistant screws are available. Covers are Type 304 stainless steel or 16 gauge steel finished with RAL 7035 textured light gray polyester powder paint.



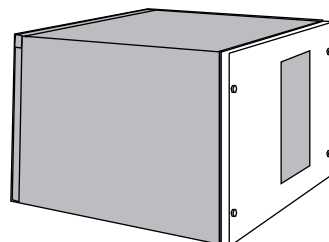
Solid Covers

Catalog Number	Description	Cover Size H x W (mm)	Cover Size H x W (in.)	Product Weight (lb)
PCS46R	Steel	405 x 596	15.96 x 23.47	13.0
PCS56R	Steel	506 x 596	19.92 x 23.47	14.0
PCS76R	Steel	596 x 706	23.47 x 27.79	17.0
PCS76RSS	Stainless steel	596 x 706	23.47 x 27.79	23.0
PCS78R	Steel	706 x 796	27.79 x 31.35	20.5
PCS5A6R	Steel	679 x 597	26.75 x 23.51	15.0
PCS5A6RSS	Stainless steel	679 x 597	26.75 x 23.51	21.0
PCS5A8R	Steel	679 x 796	26.75 x 31.35	19.0
PCS7A6R	Steel	879 x 596	34.62 x 23.47	18.0
PCS7A6RSS	Stainless steel	879 x 596	34.62 x 23.47	24.0
PCS7A8R	Steel	879 x 796	34.62 x 31.35	24.0



Covers with Cutouts for Hoffman Side-Mounted I3 Series Air Conditioner

Catalog Number	Description	Cover Size H x W (mm)	Cover Size H x W (in.)	Product Weight (lb)
PCSK46ACR	Steel	405 x 596	15.96 x 23.47	13.0
PCSK56ACR	Steel	506 x 596	19.92 x 23.47	14.0
PCSK76ACR	Steel	596 x 706	23.47 x 27.79	17.0
PCSK5A6ACR	Steel	679 x 597	26.75 x 23.51	15.0
PCSK7A6ACR	Steel	879 x 596	34.62 x 23.47	18.0

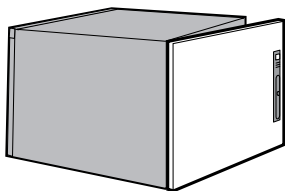


Covers with Cutouts for Hoffman XR206 Heat Exchanger

Catalog Number	Description	Cover Size H x W (mm)	Cover Size H x W (in.)	Product Weight (lb)
PCSK76HXR	Steel	596 x 706	23.47 x 27.79	17.0
PCSK5A6HXR	Steel	679 x 597	26.75 x 23.51	15.0
PCSK7A6HXR	Steel	879 x 596	34.62 x 23.47	18.0

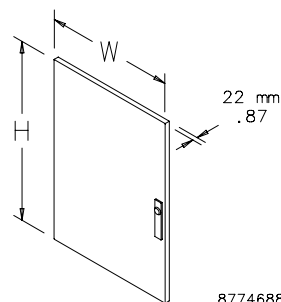
PROLINE® Sloped Top Operator Interface Enclosure System

Doors for Rear of PROLINE Sloped Tops



Rear doors are side-hinged. The hinges are hidden and provide 130-degree door swing. Optional PROLINE 180-degree hinge kit is available (see PROLINE Door Accessories in the Modular Enclosure Systems chapter). Doors can be hinged from left or right. Door includes two point latching with a flush slotted quarter turn insert. Standard

PROLINE handle and insert options are available for retrofit (see PROLINE Solid Rear Door Accessories below). Use PROLINE frame shelf or PROLINE grid straps to support the operator interface. Ground stud and mounting hardware are included. Seamless foam-in-place gasket assures a watertight and dusttight seal. Covers are Type 304 stainless steel or 16 gauge steel finished with RAL 7035 textured light gray polyester powder paint.



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Catalog Number	Description	Door Size H x W (mm)	Door Size H x W (in.)	Product Weight (lb)
PDS46R	Steel	405 x 592	15.96 x 23.30	10.0
PDS56R	Steel	506 x 592	19.91 x 23.30	12.0
PDS76STR	Steel	706 x 592	27.79 x 23.30	15.0
PDS76RSS	Stainless Steel	706 x 592	27.79 x 23.30	19.5
PDS78STR	Steel	706 x 792	27.79 x 31.17	19.5
PDS5A6R	Steel	679 x 592	26.75 x 23.30	14.5
PDS5A6RSS	Stainless Steel	679 x 592	26.75 x 23.30	19.0
PDS5A8R	Steel	679 x 792	26.75 x 31.17	19.0
PDS7A6R	Steel	879 x 592	34.62 x 23.30	18.0
PDS7A6RSS	Stainless Steel	879 x 592	34.62 x 23.30	25.0
PDS7A8R	Steel	879 x 792	34.62 x 31.17	24.0

PROLINE Solid Rear Door Accessories


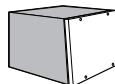
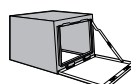
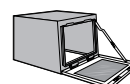
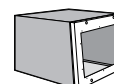
Accessories listed here are designed for use with PROLINE Sloped Top rear doors. See also PROLINE Door Accessories in the Modular Enclosure Systems chapter.


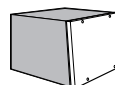
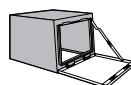
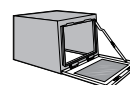
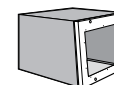
Catalog Number	Description
Key Inserts	
PK0TM7	7mm triangle
PK0TM8	8mm triangle
PK0TM65	CNOMO
PK0SM7	7mm square
PK0SM8	8mm square
PK0DBK3	Double-bit with 3mm pin
PK0DB	Daimler Benz
PK0ATT	AT & T
Flush Handle	
PSHKBL	One handle and two keys
Data Pockets	
ADP1	Small data pocket
ADP2	Large data pocket


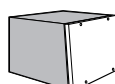
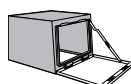
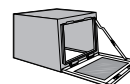
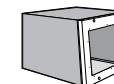
PROLINE® Sloped Top OI Enclosure System


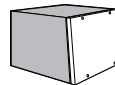
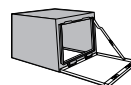
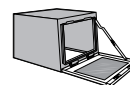
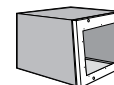
Selection Matrix: Front and Rear Options

Component Selection Matrix Sloped Top Front and Rear Options

 Sloped Top			Front Options						
									
A	B	C	Solid Cover (Steel)	Solid Cover (Stainless Steel)	Solid Door (Steel)	Solid Door (Stainless Steel)	Window Door (Steel)	Window Door (Stainless Steel)	Cover with OI Cutout
400	600	600	PCS46F		PDS46F		PDW46F		
500	600	600	PCS56F	PCS56FSS	PDS56F	PDS56FSS	PDW56F or PDW56W16	PDW56FSS	PCSK56F6
700	600	600	PCS76F	PCS76FSS	PDS76F	PDS76FSS	PDW76W or PDW76W21	PDW76FSS	PCSK76F6
700	800	600	PCS78F		PDS78F				

 1200mm Sloped Top			Front Options						
			   						
A	B	C	Solid Cover (Steel)	Solid Cover (Stainless Steel)	Solid Door (Steel)	Solid Door (Stainless Steel)	Window Door (Steel)	Window Door (Stainless Steel)	Cover with OI Cutout
700	1200	600	PCS712F		PDS712F				






 Sloped Top with Accessory Front			Front Options						
			   						
A	B	C	Solid Cover (Steel)	Solid Cover (Stainless Steel)	Solid Door (Steel)	Solid Door (Stainless Steel)	Window Door (Steel)	Window Door (Stainless Steel)	Cover with OI Cutout
500A	600	600	PCS56F	PCS56FSS	PDS56F	PDS56FSS	PDW56F or PDW56W16	PDW56FSS	
500A	800	600	PCS58F	PCS58FSS	PDS58F	PDS58FSS	PDW58F	PDW58FSS	PCSK56F6
700A	600	600	PCS76F	PCS76FSS	PDS76F	PDS76FSS	PDW76F or PDW76W21	PDW76FSS	PCSK76F6
700A	800	600	PCS78F		PDS78F				






 1200mm Sloped Top with Accessory Front			Front Options						
			   						
A	B	C	Solid Cover (Steel)	Solid Cover (Stainless Steel)	Solid Door (Steel)	Solid Door (Stainless Steel)	Window Door (Steel)	Window Door (Stainless Steel)	Cover with OI Cutout
500A	1200	600	PCS512F		PDS512F				
700A	1200	600	PCS712F		PDS712F				



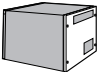

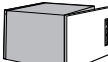
PROLINE® Sloped Top OI Enclosure System



Selection Matrix: Front and Rear Options

Component Selection Matrix Sloped Top Front and Rear Options

Rear Options								
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Solid Cover (Steel)	Solid Cover (Stainless Steel)	Cover with Air Conditioner Cutout ^a	Cover with Heat Exchanger Cutout ^b	Door with Side Hinge (Steel)	Door with Side Hinge (Stainless Steel)	Sloped Top		
						A	B	C
PCS46R		PCSK46ACR		PDS46R ^c		400	600	600
PCS56R		PCSK56ACR		PDS56R ^c		500	600	600
PCS76R	PCS76RSS	PCSK76ACR	PCSK76HXR	PDS76STR ^c	PDS76RSS ^c	700	600	600
PCS78R				PDS78STR ^c		700	800	600

Rear Options								
<div></div>								
Solid Cover (Steel)	Solid Cover (Stainless Steel)	Cover with Air Conditioner Cutout ^a	Cover with Heat Exchanger Cutout ^b	Door with Side Hinge (Steel)	Door with Side Hinge (Stainless Steel)	1200mm Sloped Top		
A	B	C						
PCS76R	PCS76SS	PCSK76ACR	PCSK76HXR	PDS76STR ^c	PDS76RSS ^c	700	1200	600

Rear Options								
   								
Solid Cover (Steel)	Solid Cover (Stainless Steel)	Cover with Air Conditioner Cutout ^a	Cover with Heat Exchanger Cutout ^b	Door with Side Hinge (Steel)	Door with Side Hinge (Stainless Steel)	A	B	C
PCS5A6R	PCS5A6RSS	PCSK5A6ACR	PCSK5A6HXR	PDS5A6R ^c	PDS5A6RSS ^c	500A	600	600
PCS5A8R				PDS5A8R ^c		500A	800	600
PCS7A6R	PCS7A6RSS	PCSK7A6ACR	PCSK7A6HXR	PDS7A6R ^c	PDS7A6RSS ^c	700A	600	600
PCS7A8R				PDS7A8R ^c		700A	800	600

Rear Options								
								
Solid Cover (Steel)	Solid Cover (Stainless Steel)	Cover with Air Conditioner Cutout ^a	Cover with Heat Exchanger Cutout ^b	Door with Side Hinge (Steel)	Door with Side Hinge (Stainless Steel)	1200mm Sloped Top with Accessory Front		
						A	B	C
PCS5A6R	PCS5A6RSS	PCSK5A6ACR	PCSK5A6HXR	PDS5A6R ^c	PDS5A6RSS ^c	500A	1200	600
PCS7A6R	PCS7A6RSS	PCSK7A6ACR	PCSK7A6HXR	PDS7A6R ^c	PDS7A6RSS ^c	700A	1200	600

^aFor Hoffman Side Mount 13 Series air conditioners.

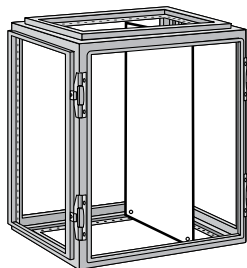
^bFor Hoffman XR-20-6 heat exchangers.

^cDoor hinged on side. Two-point latching with slotted insert. Other handle options are available. See Accessories for Sloped Top OI Enclosures in this section.

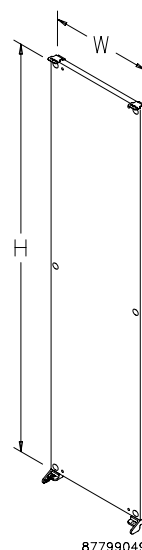
PROLINE® Sloped Top OI Enclosure System

Internal Components

Full Subpanels



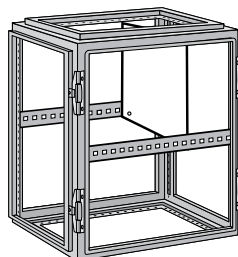
Subpanels are 12 gauge steel, have flanges on all sides, and are painted white, except conductive panels are plated. They can be mounted in PROLINE frame bases and OI sloped tops at any depth in 25mm increments using optional grid straps. All mounting hardware is included.



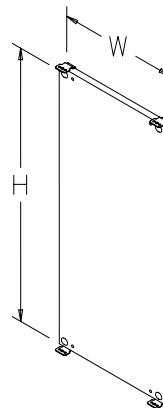
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Catalog Number	Conductive Panel Catalog Numbers	H (mm)	H (inch)	W (mm)	W (inch)	Fits
PPF76	PPF76G	585	23.03	530	20.87	500A x 600 and 700 x 600
PPF78	PPF78G	585	23.03	730	28.74	500A x 800 and 700 x 800
PPF712	PPF712G	585	23.03	1130	44.49	500A x 1200 and 700 x 1200

Partial Subpanels



Partial subpanels are 12 gauge steel, have flanges on all sides, and are painted white, except conductive panels are plated. They can be positioned vertically in .88-inch increments and can also be positioned in PROLINE frame bases and OI sloped tops at any depth in 25mm increments using optional grid straps. All mounting hardware is included. Finish is white.



87746888

Catalog Number	Conductive Panel Catalog Numbers	H (mm)	H (inch)	W (mm)	W (inch)	Fits
PPP412	PPP412G	360	14.17	1130	44.49	All 1200 wide OIs
PPP46	PPP46G	360	14.17	530	20.87	All 600 wide OIs
PPP48	PPP48G	360	14.17	730	28.74	All 800 wide OIs

Grounding Kit

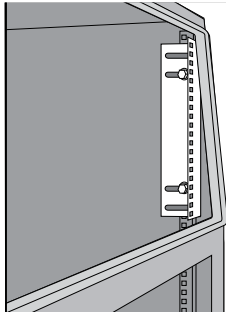


The grounding kit allows a PROLINE cabinet to be grounded to VDE specifications. Includes six 12 gauge wires 16.19 inches (411mm) long with ring terminations and M6 mounting hardware.

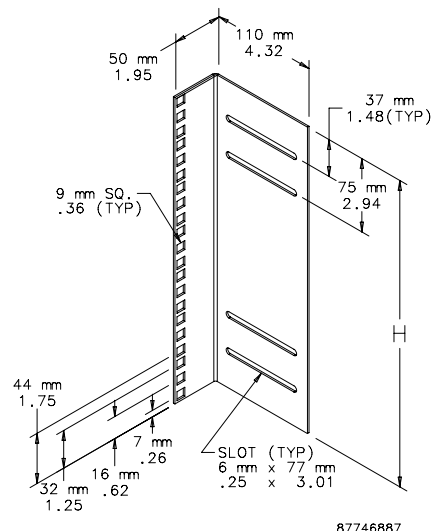
Catalog Number	Wire Size	Length Between Ring Terminals (in.)	Length Between Ring Terminals (mm)	Ring Terminal Hole Diameter (in.)	Ring Terminal Hole Diameter (mm)	Product Weight
PGK	12 ga.	16.19	411	.285	7	0.7 lb

PROLINE® Sloped Top OI Enclosure System Internal Components

Rack Angles for Sloped Tops



Symmetrical rack angles have through-holes in mounting surfaces for mounting rack equipment. Angles are 14 gauge plated steel. Rack angles with through-holes accommodate either English or metric cage nuts. Rack angles are furnished in pairs and comply with ANSI/E.I.A. RS310 rack mounting standards.



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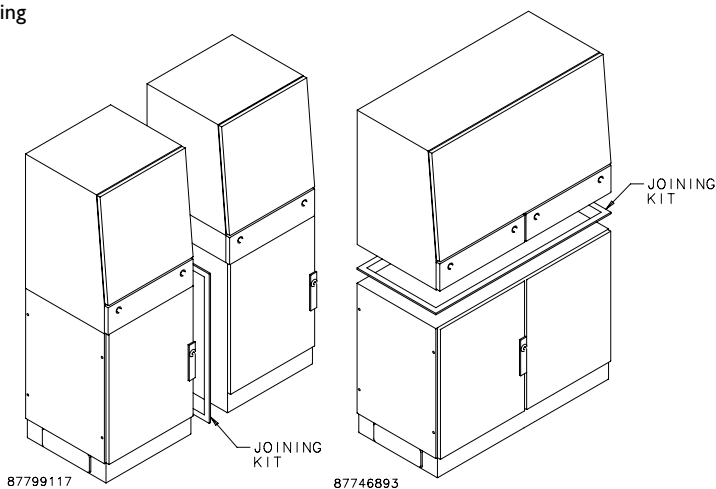
Catalog Number	Units	H (mm)	H (in.)	Description	Product Weight (lb)
PRA5TH	5	223	8.77	General Purpose Short Section	2.5
PRA7TH	7	312	12.27	Fits Front and back of 400 high OI	3.5
PRA9TH	9	401	15.77	Fits front of 500/500A and back of 700/500A	4.5
PRA13TH	13	578	22.77	Fits front of 500/500A and back of 700/500A	6.5
PRA17TH	17	756	29.77	Fits back of 700A	8.0

PROLINE Joining Kits



Joining kits permit joining two 700mm frames while maintaining an environmental seal. Joining kit for side-to-side applications (PJ2FW7) fits on either side of the frame. Top-to-frame joining kits allow sloped tops to be attached to 700mm PROLINE frames or to wall-mount kit. Kits available for one sloped top and one frame, or one 1200mm wide sloped top on two joined frames. Kits include gasket and mounting hardware.

Catalog Number	Description
PJ2FW7	Joins frames side-to-side under OI Sloped tops
PJSTF12	Joins OI sloped top to 1200 x 600 frame
PJSTF6	Joins OI sloped top to 600 x 600 frame
PJSTF8	Joins OI sloped top to 800 x 600 frame







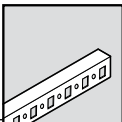
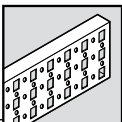
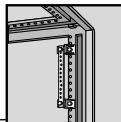
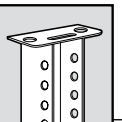
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PROLINE® Sloped Top OI Enclosure System

Selection Matrix: Internal Components

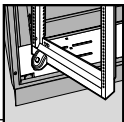
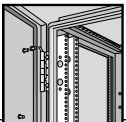
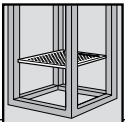
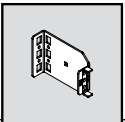

Component Selection Matrix Internal Components for Sloped Top Frame Base

 Sloped Top Frame Bases	 Full Subpanel (See Modular Enclosures)			 Partial Subpanel (See Modular Enclosures)			 Swing-Out Panel Kit (See Modular Enclosures)		 Grid Strap One Row (See Modular Enclosures)				 Grid Strap Three Row (See Modular Enclosures)				 Grounding Bar System (See Modular Enclosures)		 Center Upright (See Modular Enclosures)
	PPF76 / PPF76G	PPF78 / PPF78G	PPF712 / PPF712G	PPP46 / PPP46G	PPP48 / PPP48G	PPP412 / PPP412G	PSP76	PSP78	PGH1S6	PGH1S7	PGH1S9	PGH1S13	PGH3S6	PGH3S7	PGH3S9	PGH3S12	PGS2K	PGS4K	PCU7
PF766	•			•			•		•	•			•	•			•	•	
PR786		•			•			•	•		•		•		•		•	•	
PF7126			•			•			•			•	•			•	•	•	•

PROLINE® Sloped Top OI Enclosure System

Selection Matrix: Internal Components

Component Selection Matrix Internal Components for Sloped Top Frame Base

 Swing-Out Rack Frame (See Modular Enclosures)		 Rack Angles (See Modular Enclosures)		 Frame Shelf (See Modular Enclosures)		 Frame Reducing Brackets (See Modular Enclosures)	 Sloped Top Frame Bases
PSF76	PSF78	PRA197TH/TP	PRA247TH/TP	PFSH66	PFSH86	PRB50	
•				•			PF766
•	•	•	•		•	•	PF786
•							PF7126

Accessories for Swing-Out Rack Frame Include:

Guides	PSFG
Rack Panels	A19RP_____ (23 models)
Screw Package	AS1032 or PSM5
Clip Nut Packages	AN1032 or PNM5

Accessories for Rack Angles Include:

Drawers	A19DR2U and A19DR4U
Drawer Writing Surface	A19WSDR
Guides	PSFG, AG1U5, and AG1U6
Slides	A16SL2U
Fixed Shelf	A19SH5 and A19SH6
Pull-Out Shelf	A19SHP6
Rack Panels	A19RP_____ (23 models)
Screw Package	AS1032 or PSM5
Clip Nut Packages	AN1032 or PNM5

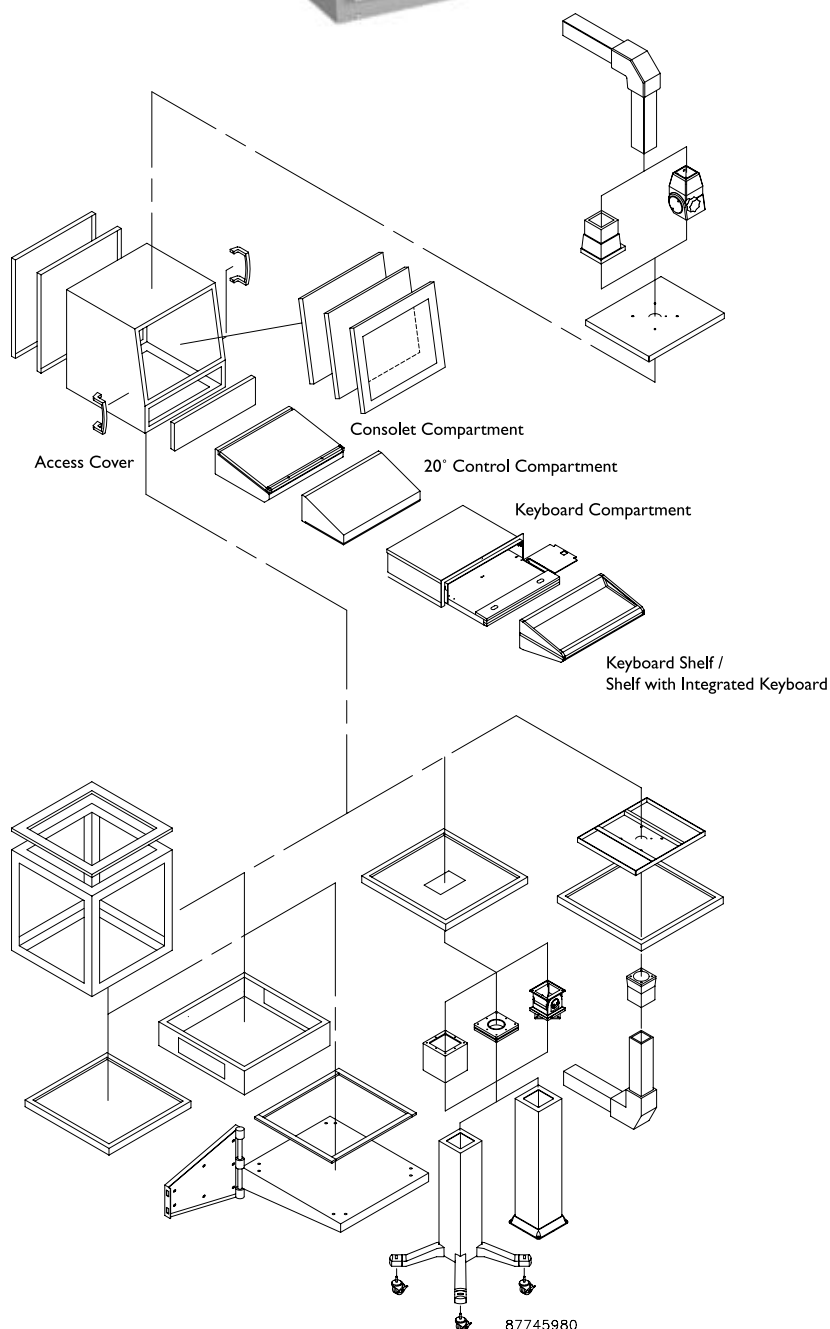
PROLINE® Sloped Top OI Enclosure System Accessory Front Options

**OPERATOR INTERFACE
ENCLOSURE SYSTEMS**

**Bulletin
P20, P20S, P20PC**



A variety of keyboard shelves and compartments, control compartments, and writing surfaces accommodate any input device your application specifies—full travel or membrane keyboards, mouse devices, pushbuttons, or switches. Keyboard or control compartment options, when fitted to a PROLINE sloped top operator interface enclosure with accessory front, make it exceptionally easy to design a unique and flexible OI enclosure system.



PROLINE® Sloped Top OI Enclosure System Accessory Front Options

Accessory Front Options



A variety of keyboard compartments and shelves, control compartments, and writing surfaces is available in steel finished with RAL 7035 light gray polyester powder paint or Type 304 stainless steel. Each one is designed to fit into the accessory front opening of the PROLINE OI sloped top. An access cover is available for applications not requiring a keyboard or controls.

An integrated elastomer keyboard/mouse combination is available on some models of the keyboard shelf accessory. The keyboard has 101 keys. Supplied cables are compatible with USB connections.

See *Modular Enclosure Systems chapter for keyboard accessory dimensions.*

Internal and External Accessories

Numerous accessories are available for mounting equipment inside PROLINE frames and sloped tops. These include panels, shelves, and rack mounting accessories. There are also external accessories such as door handles and base options. A summary list follows.

For more detailed information on each of these products, see the indexes to the Modular Enclosure Systems and Accessories chapters.

- Full Subpanel
- Partial Subpanel
- Side-Mounting Kit for Subpanels
- Swing-Out Panel Mounting Kit
- Frame Shelves
- Frame Brackets
- Panel Interface Connector
- Grounding Bar System
- Grid System
- Rack Angles
- Accessories for Rack Angles
- Base Accessories
- Door Accessories
- Legs
- Casters



Access Covers			
Catalog Number	Description	Fits	Weight (lb)
PCS6	Steel	600	7.3
PCSA6SS	Stainless Steel	600	9.2
PCS8	Steel	800	7.9
PCSA8SS	Stainless Steel	800	9.80

Console Compartments			
Catalog Number	Description	Fits	Weight (lb)
PCC6	Steel	600	30.0
PCDS6SS	Stainless steel	600	40.9
PCC8	Steel	800	35.0
PCDS8SS	Stainless steel	800	44.0

20° Control Compartments			
Catalog Number	Description	Fits	Weight (lb)
PC20A6	Steel	600	21.0
PC20A6SS	Stainless steel	600	27.0
PC20A8	Steel	800	26.0
PC20A8SS	Stainless Steel	800	29.0

Keyboard Compartments			
Catalog Number	Description	Fits	Weight (lb)
PKBC6R	Steel	600	42.0
PKBC8R	Steel	800	48.0


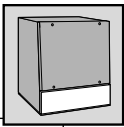
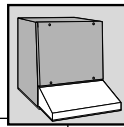
Keyboard Shelves			
Catalog Number	Description	Fits	Weight (lb)
PKBS6	Steel	600	20.0
PKBS8	Steel	800	24.0


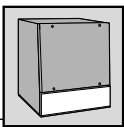
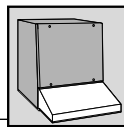
Keyboard Shelves with Integrated Keyboard/Mouse			
Catalog Number	Description	Fits	Weight (lb)
PEKBM6	Steel with keyboard	600	21.0
PEKBM6SS	Stainless steel with keyboard	800	25.0

PROLINE® Sloped Top OI Enclosure System

Selection Matrix: Accessory Front Options

Component Selection Matrix Accessory Front Options

 <p>Sloped Top with Accessory Front</p>			Keyboard and Control Compartments			
						
A	B	C	Access Cover (Steel)	Access Cover (Stainless Steel)	20° Control Compartment (Steel)	20° Control Compartment (Stainless Steel)
500A	600	600	PCS6	PCSA6SS	PC20A6	PC20A6SS
500A	800	600	PCS8	PCSA8SS	PC20A8	PC20A8SS
700A	600	600	PCS6	PCSA6SS	PC20A6	PC20A6SS
700A	800	600	PCS8	PCSA8SS	PC20A8	PC20A8SS


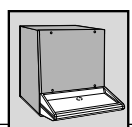
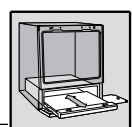
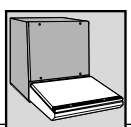
 <p>1200mm Sloped Top with Accessory Front</p>			Keyboard and Control Compartments ^a			
						
A	B	C	Access Cover (Steel)	Access Cover (Stainless Steel)	20° Control Compartment (Steel)	20° Control Compartment (Stainless Steel)
500A	1200	600	PCS6	PCSA6SS	PC20A6	PC20A6SS
700A	1200	600	PCS6	PCSA6SS	PC20A6	PC20A6SS


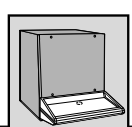
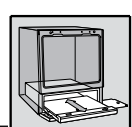
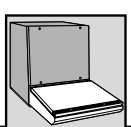
^aSelect any two 600mm front options.

PROLINE® Sloped Top OI Enclosure System

Selection Matrix: Accessory Front Options

Component Selection Matrix Accessory Front Options

Keyboard and Control Compartments					 Sloped Top with Accessory Front		
 Keyboard Shelf with Integrated Keyboard	 Keyboard Shelf	 Keyboard Compartment	Consolet Compartment (Steel)	Consolet Compartment (Stainless Steel)			
PEKBM6 or PEKBM6SS	PKBS6	PKBC6R	PCC6	PCDS6SS	500A	600	600
	PKBS8	PKBC8R	PCC8	PCDS8SS	500A	800	600
PEKBM6 or PEKBM6SS	PKBS6	PKBC6R	PCC6	PCDS6SS	700A	600	600
	PKBS8	PKBC8R	PCC8	PCDS8SS	700A	800	600

Keyboard and Control Compartments ^a					 1200mm Sloped Top with Accessory Front		
 Keyboard Shelf with Integrated Keyboard	 Keyboard Shelf	 Keyboard Compartment	Consolet Compartment (Steel)	Consolet Compartment (Stainless Steel)			
PEKBM6 or PEKBM6SS	PKBS6	PKBC6R	PCC6	PCDS6SS	500A	600	600
PEKBM6 or PEKBM6SS	PKBS6	PKBC8R	PCC6	PCDS6SS	700A	800	600

^aSelect any two 600mm front options.

Mounting Options for Operator Interface Enclosures

Mounting Options that match the application. When selecting mounting options for operator interface and machine control applications, you must take into consideration the following: the operator, the facility size and layout, the flexibility required for moving or repositioning the equipment, and the peripheral equipment required. Hoffman offers a wide range of off-the-shelf mounting choices, from pendant arm systems with exceptional load-bearing capabilities to uniquely flexible frame base and pedestal systems, all designed to simplify the job of correctly matching the equipment to the application.



The **COMPACT® Series 1 Pendant Arm system** is sized to fit our **INLINE®** Operator Interface enclosures as well as **CCI** enclosures for flat screen and other small displays. The Series 1 Pendant Arm system allows convenient operator access to machine controls. Despite their light weight, Series 1 components are designed to support a variety of load weights. Heavy-duty bearings in all movable joints enhance durability and make operation smooth and convenient.

Pedestals for mounting operator interface enclosures are available in two heights and in bolt-down or leg styles. Pedestal mounting options include a swivel tilt mechanism that rotates 350 degrees and tilts ± 30 degrees from the horizontal. A tilt lock-release knob allows quick incremental adjustments.

Pedestal mounting of a PROLINE® sloped top enclosure provides convenient operator access in a seated or standing position. An optional swivel mechanism allows 350-degree rotation. Other options include an angle adapter that provides a fixed tilt of 15 degrees.

COMPACT Series 2 and Series 4 Pendant Arm systems are available in sizes appropriate for light to heavy loads. A variety of standard tube lengths, brackets, joints, and couplings combine to create a wide variety of configurations.

COMPACT CCI Operator Interface enclosures can be mounted from above or below with **COMPACT** pendant arms. Pedestal mounting is also an option.

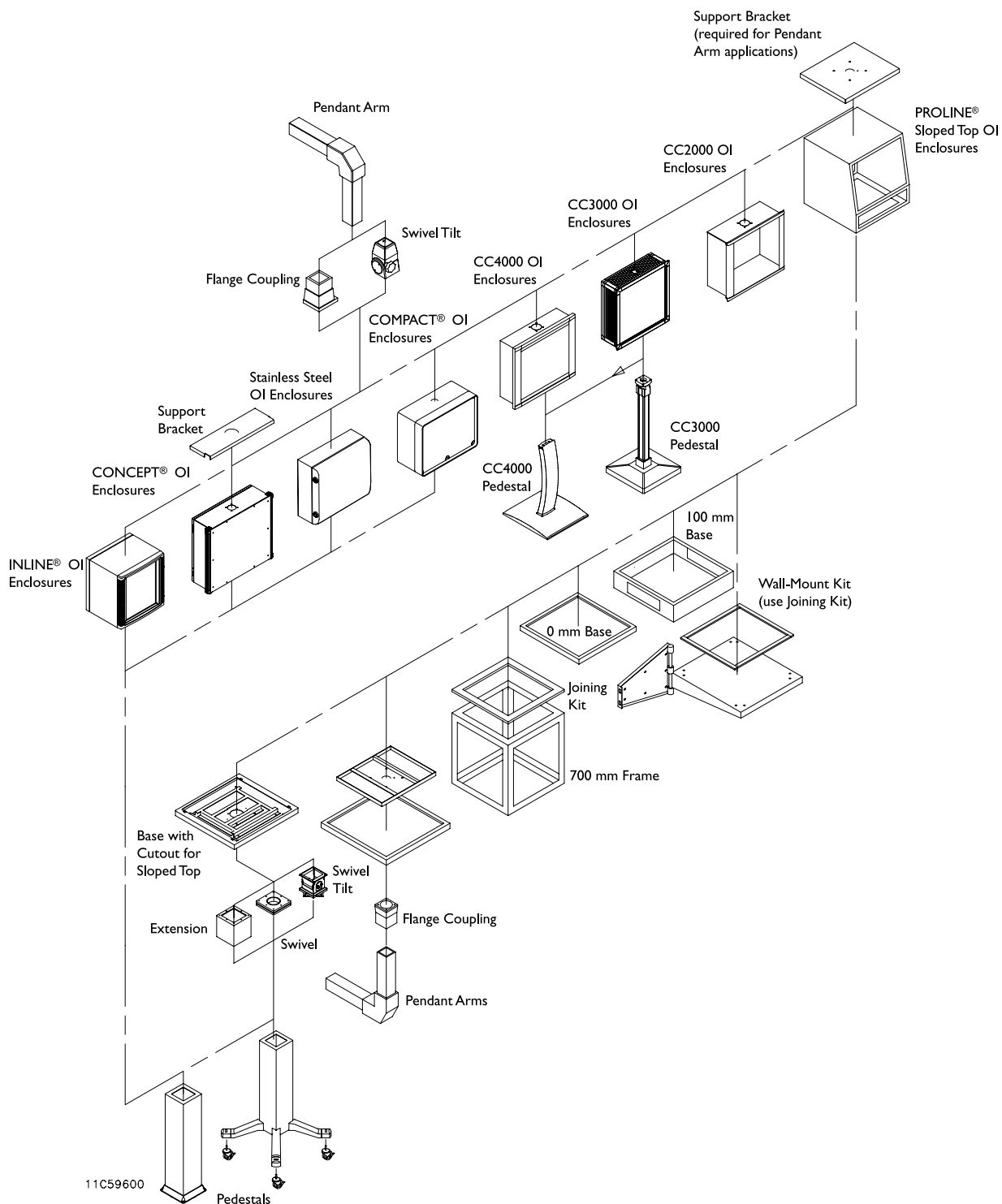
The modular design of the **COMPACT pendant mounting system** provides design flexibility for both new and retrofit applications requiring substantial weight-bearing capability. Pendant arms are easily mounted to a machine, wall, or floor, and can suspend an enclosure from above or support it from below.

The modular stainless steel **CS480 and CS600 pendant mounting systems** are particularly well-suited to the food and pharmaceutical industries. They can be used with most stainless steel operator interfaces. In addition, the system includes its own set of front door enclosures.

Any sloped top can be mounted to a **700mm-tall frame base** to provide additional space for rack, subpanel, or grid system mounted equipment. The frame base is completed by adding doors, covers, and base components.



Mounting Options for Operator Interface Enclosures



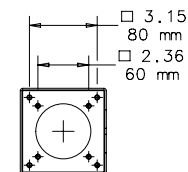
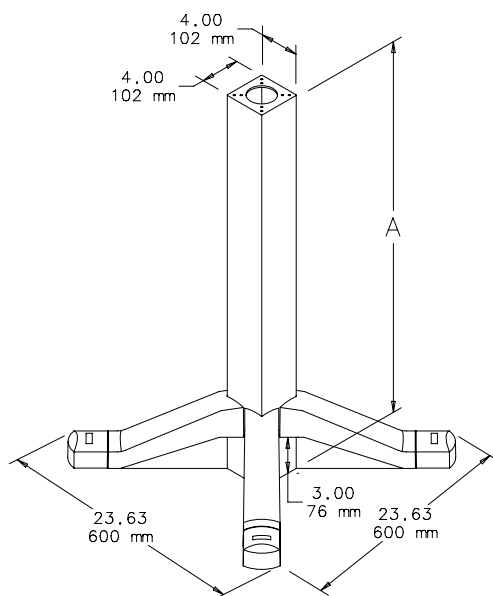
**Operator Interface
Enclosure Systems**

Mounting Options Pedestals and Pedestal Accessories for INLINE® OI and CONCEPT® OI Enclosures

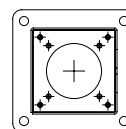
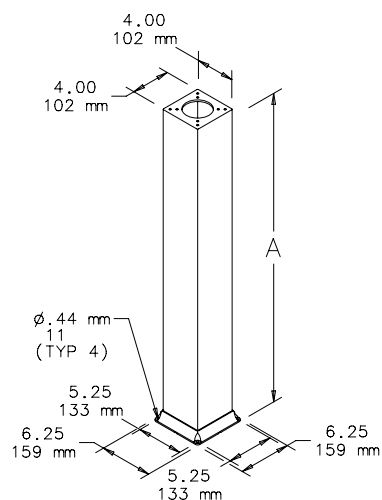
Pedestals

Pedestals with legs and bolt-down pedestals are available in two heights. Vertical tube has rigid one-piece construction. Bottom of tube is open. Pedestal with legs has four sturdy die-cast legs that bolt to tube. Legs have holes for bolting pedestal to the floor. Legs are furnished with levelers and will accept casters in limited applications. Heavy-duty black polymer caps fit on ends of legs to cover bolts or levelers. Bolt-down pedestal has rigid cast aluminum base flange that bolts to the vertical tube. Pedestals have ANSI 61 medium gray or RAL 7035 textured light gray polyester powder paint finish. Tapped mounting holes in the top of pedestals allow attachment to operator interface enclosure or to swivel, swivel tilt, or angle adapter. Hardware and gasket to attach enclosure are included.

Catalog Number	Finish	Description	A (mm)	A (in.)
AP26L44	ANSI 61	With legs	660	26.00
AP26L44LG	RAL 7035	With legs	660	26.00
AP36L44	ANSI 61	With legs	914	36.00
AP36L44LG	RAL 7035	With legs	914	36.00
AP23B44	ANSI 61	Bolt-down	584	23.00
AP23B44LG	RAL 7035	Bolt-down	584	23.00
AP33B44	ANSI 61	Bolt-down	838	33.00
AP33B44LG	RAL 7035	Bolt-down	838	33.00



Hole Pattern
Top of pedestal



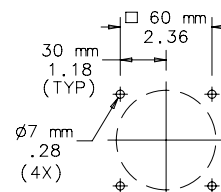
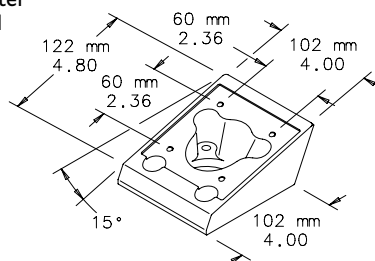
C2720-C

Hole Pattern
Bottom of bolt-down pedestal

Angle Adapter

Angle adapter fits on top of pedestal and provides a fixed tilt of 15 degrees from horizontal for enclosure mounting. Angle adapter is aluminum with large cable opening. Finish is clear anodized aluminum. Mounting hardware is included.

Catalog Number
AAA1544



87799055

Mounting Options Pedestals and Pedestal Accessories for INLINE® OI and CONCEPT® OI Enclosures

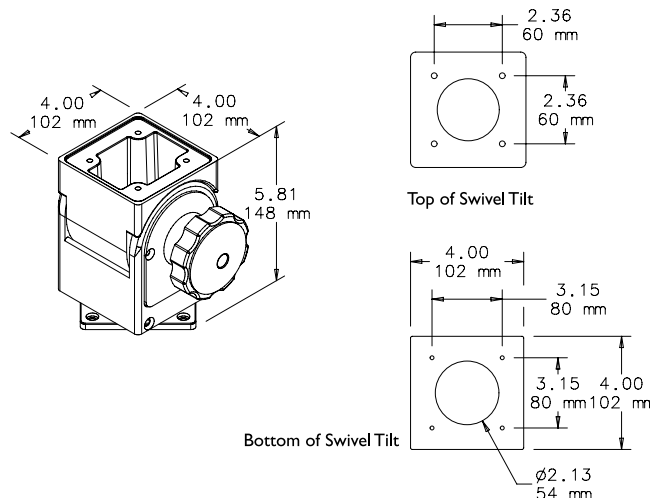
Swivel Tilt

The combined swivel and tilt mechanism allows rotation and tilt of an operator interface enclosure for optimum viewing and safe operation. The swivel tilt is positioned between the operator interface enclosure and pedestal (enclosure reinforcement may be required).

Do not use the swivel tilt between an overhead support and an enclosure.

Maximum swivel rotation: 350 degrees. Maximum tilt: ± 30 degrees from horizontal. Large tilt lock release knob allows quick incremental adjustment. Swivel mechanism can be locked in any position. Easy installation on pedestals of top mount. Large center opening accommodates control cables with plugs. Cast aluminum with anodized finish. Mounting hardware and gaskets are furnished.

Catalog Number	Description
AST44	4 X 4 Swivel Tilt



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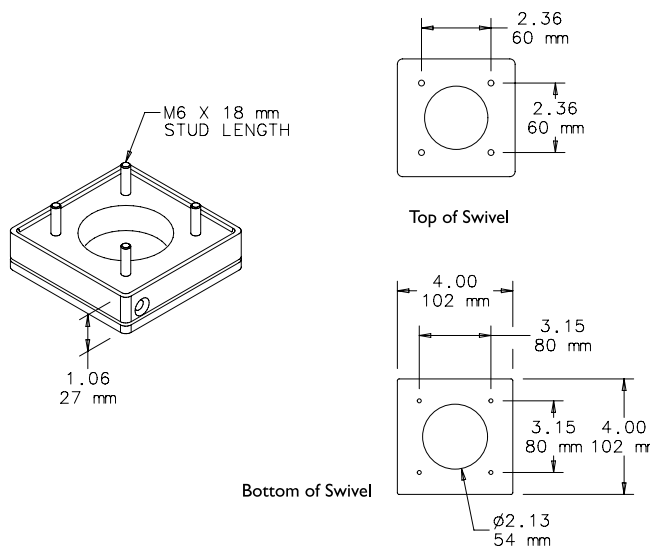
Swivel

A swivel mechanism can be used to allow a machine operator a way to easily rotate an operator interface enclosure to a convenient operating position. Maximum rotation is 350 degrees. The low profile swivel has a large center opening in addition to a large wobble-free bearing surface. Swivel mechanism can be locked in any position. The swivel mechanism can be used for mounting from below the operator interface enclosure. The swivel fits top of pedestal.

Do not use the swivel between an overhead support and an enclosure.

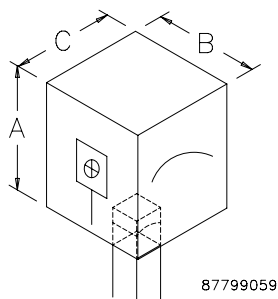
The swivel is cast aluminum with an anodized finish. Mounting hardware and gaskets are furnished.

Catalog Number	Description
ASWV44	4 x 4 Swivel



C2764-C

Swivel and Swivel Tilt Loading



87799059

Catalog Number	Maximum Enclosure Size A x B x C mm (in.)	Maximum Load Including Enclosure
AST44 (4 x 4 Swivel Tilt)	610 x 610 x 406 (24.00 x 24.00 x 16.00)	75 lbs.
ASWV44 (4 x 4 Swivel)	610 x 610 x 406 (24.00 x 24.00 x 16.00)	100 lbs.

The loads listed assume that the additional load is centered on the front or back of the enclosure. Please contact Hoffman for specific application information.

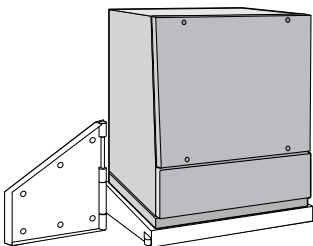
Bases for PROLINE® Sloped Top OI Enclosure System

Bulletin
VARIOUS

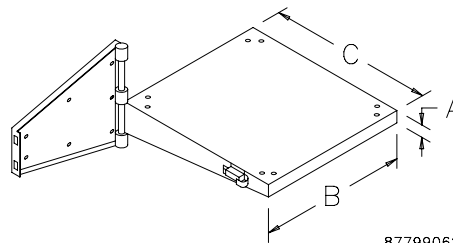
PROLINE Wall-Mount Kit



Hinged platform for a PROLINE sloped top enclosure pivots 90 degrees from wall bracket, thus allowing complete access to rear of the sloped top enclosure. The kit can be installed to pivot left or right, and locks securely in position against a wall. Pivot pin is removable. Platform can support equipment weighing up to 300 pounds and includes holes to mount 600mm wide sloped tops in two positions. RAL 7035 textured light gray polyester powder paint finish. Includes top unit to frame joining kit, catalog number PJSTF6, to provide a watertight and dusttight seal to the sloped top.

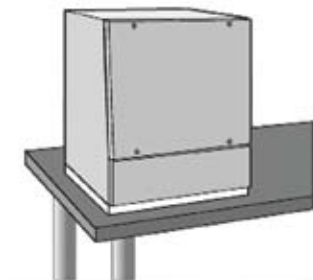


Catalog Number	A x B x C mm (in.)	Description	Bulletin Number
PWMK66	51 x 610 x 683 (2.0 x 24.0 x 26.88)	Steel	P9



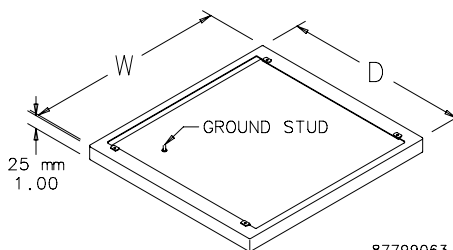
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Bases for PROLINE Sloped Top



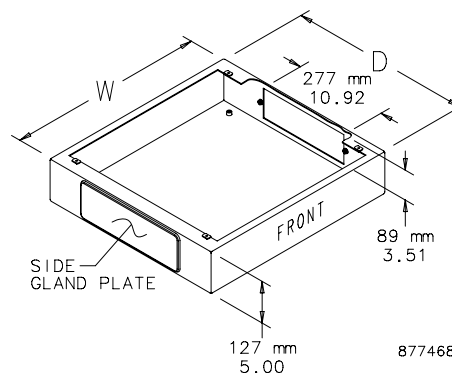
Closes off open bottom of sloped top enclosures that are table-top mounted or suspended from overhead. Base is 14 gauge steel and has a ground stud provided. Foam-in-place gasket assures a watertight and dusttight seal. Steel bases are finished with RAL 7035 textured light gray polyester powder paint. A top support bracket can be installed inside a 600mm wide base for reinforcement when COMPACT® pendant arm Series 4 System 50, 60, or 80 is attached from below.

0mm Base						
Catalog Number	Description	D (mm)	D (in.)	W (mm)	W (in.)	Bulletin Number
PBS66	Steel	542	21.34	608	23.94	P9, P20
PBS66SS	Stainless Steel	542	21.34	608	23.94	P9S, P20S
PBS86	Steel	542	21.34	808	31.81	P9, P20
PBS126	Steel	542	21.34	1208	47.56	P9, P20



87799063

100mm Base						
Catalog Number	Description	D (mm)	D (in.)	W (mm)	W (in.)	Bulletin Number
PB166	Steel	559	22.01	599	23.58	P9, P20
PB166SS	Stainless Steel	559	22.01	599	23.58	P9S, P20S
PB186	Steel	759	29.88	599	23.58	P9, P20
PB186SS	Stainless Steel	759	29.88	599	23.58	P9S, P20S

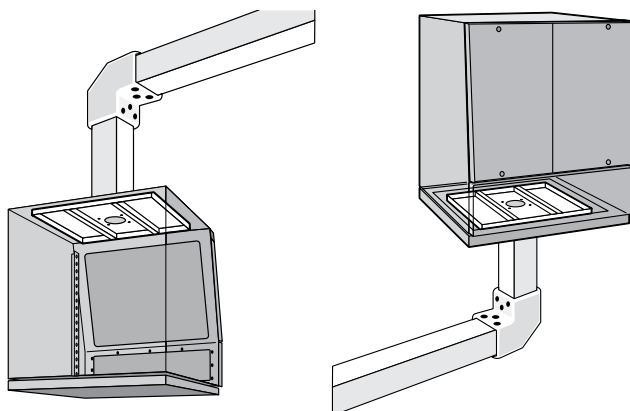


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Bases for PROLINE® Sloped Top OI Enclosure System

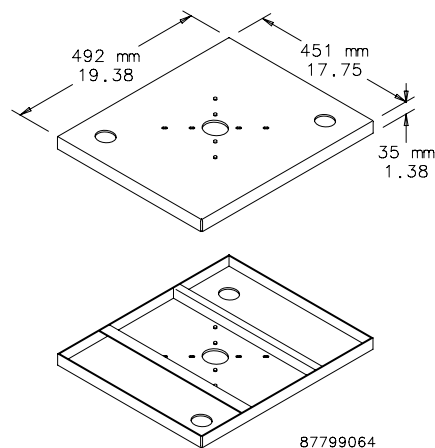
Bulletin
VARIOUS

Support Bracket



A support bracket is required when suspending a 600mm wide sloped top enclosure from above. The rigid bracket mounts inside the enclosure to stiffen its top. Bracket has prepunched holes to fit COMPACT® pendant arm Series 4 Systems 50, 60, 80, and 80/140 flange couplings as well as swivel tilts. Bracket is used as a template to drill holes in sloped top. Bracket is .125-inch-thick aluminum and is furnished with mounting bolts and seals. A support bracket can also be used inside a base for Series 4 System 50, 60, 80, or 80/140 sloped tops when mounting from below.

Catalog Number	Description	Bulletin Number
PTS66	Support Bracket	P9



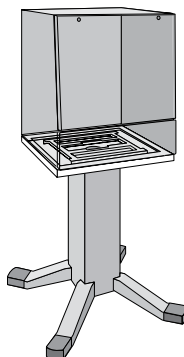
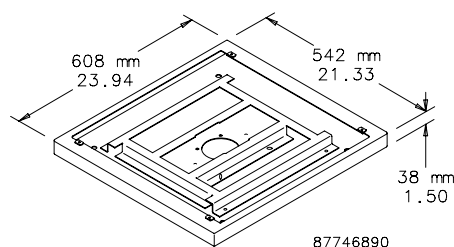
Operator Interface
Enclosure Systems

Base with Cutout for PROLINE Sloped Top



Closes off open bottom of sloped top enclosures. Also fits Series 4 Pendant Arm Flange Coupling Systems 80 and 80/140. The 14 gauge steel base has a stiffener framework attached to the inside and mounting holes that provide a rigid mounting means for 8.00 x 8.00 pedestal, pedestal extension, swivel tilt, or angle adapter. Base has foam-in-place gasket and RAL 7035 textured light gray polyester powder paint finish. Mounting hardware is furnished.

Catalog Number	Description	Bulletin Number
PBSK66	Steel	P9
PBSK66SS	Stainless Steel	P9S

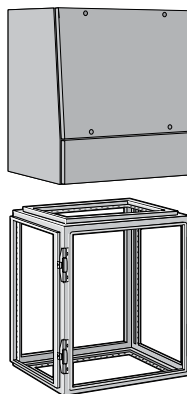


Frame Base for PROLINE® Sloped Top OI Enclosure System

PROLINE Frame Base **A-T-O**

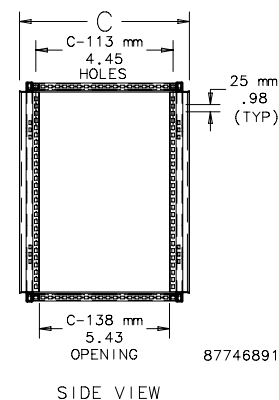
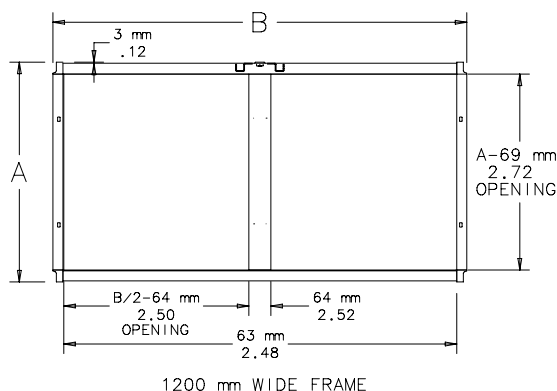
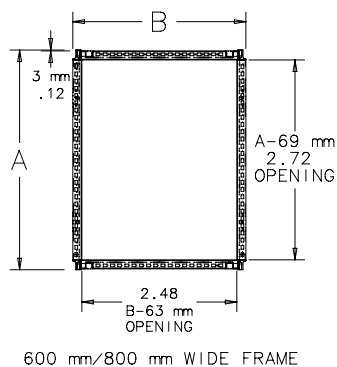
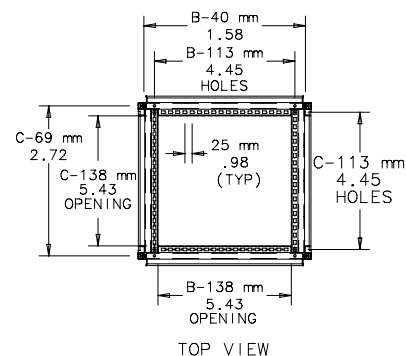


Frames are 700mm tall and are sized to allow sloped tops to be installed on top and other equipment below, thus configuring a console suitable for sitting or standing operators. The frame provides joining capability and means for rack, subpanel, or grid system mounting of any type of equipment inside. Frames are available 600, 800, and 1200mm wide to fit 600, 800, and 1200mm wide sloped tops. All frames have two latch/hinge blocks per vertical unit. Requires appropriate frame joining kit.



Finish is RAL 7035 textured light gray polyester powder paint. See Modular Enclosure Systems for additional frame sizes.

NOTE: A 1200mm wide sloped top will accommodate two 600mm wide frames only if frame joining kit PJ2FW7 is used.



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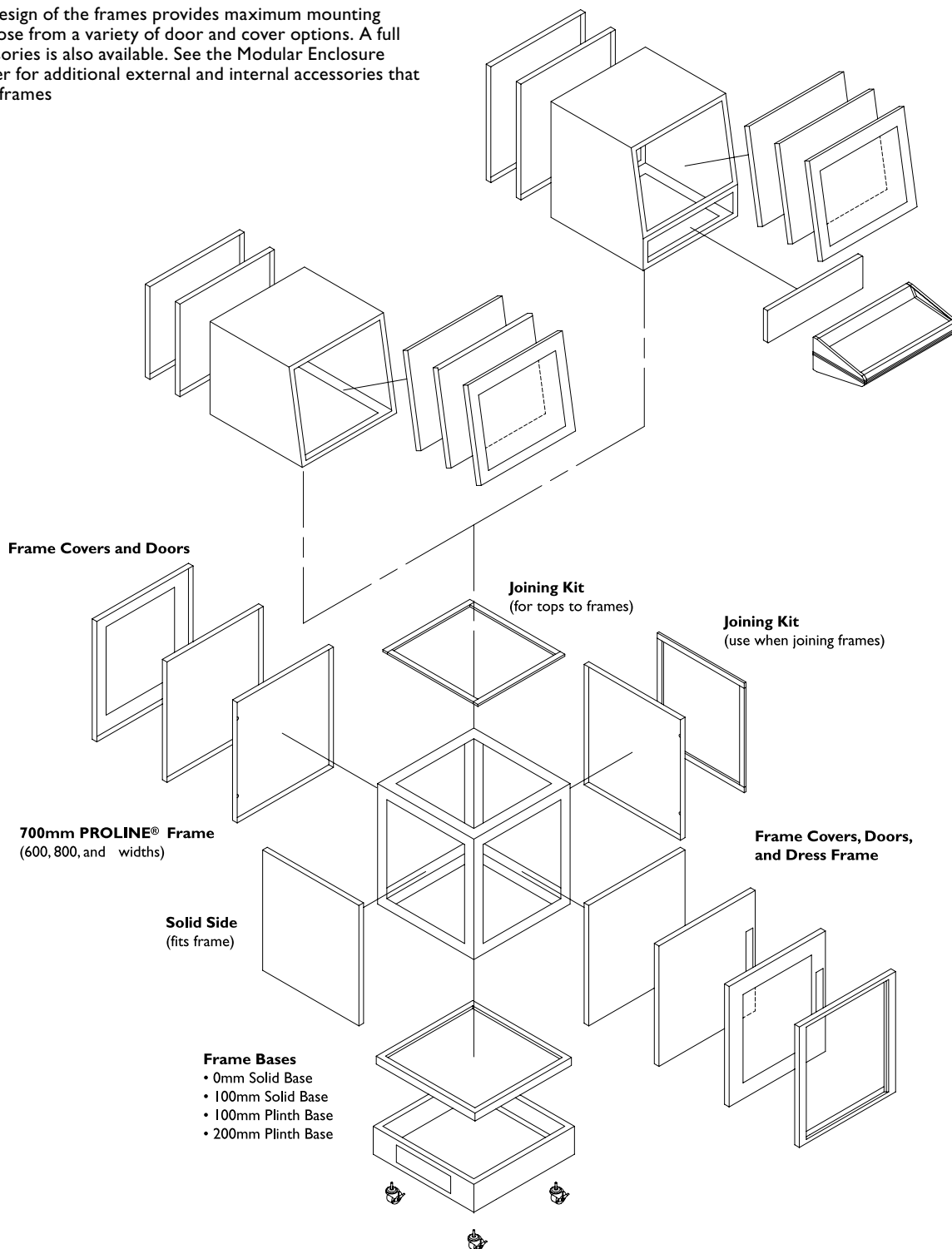
Catalog Number	Nominal Frame Size	A x B x C mm (in.)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mounting Space
PF766	700 x 600 x 600	680 x 599 x 588 (26.77 x 23.58 x 23.15)	585 x 530	23.03 x 20.87	13U
PF766HF	700 x 600 x 600	680 x 599 x 588 (26.77 x 23.58 x 23.15)	585 x 530	23.03 x 20.87	13U
PF786	700 x 800 x 600	680 x 799 x 588 (26.77 x 31.46 x 23.15)	585 x 530	23.03 x 20.87	13U
PF786HF	700 x 800 x 600	680 x 799 x 588 (26.77 x 31.46 x 23.15)	585 x 530	23.03 x 20.87	13U
PF7126	700 x 1200 x 600	680 x 1199 x 588 (26.77 x 47.2 x 23.15)	585 x 1130	23.03 x 44.49	13U x 2

Frame Base for PROLINE® Sloped Top OI Enclosure System

Bulletin
P9, P20, P20EM

When used in conjunction with sloped tops, PROLINE frames provide an excellent solution for configuring and joining multiple consoles into a large control installation. Joining enclosures frame-to-frame provides uninterrupted space for wiring and additional equipment. The sloped top and frame can also be used individually as a stand-alone console.

The modular design of the frames provides maximum mounting flexibility. Choose from a variety of door and cover options. A full range of accessories is also available. See the Modular Enclosure Systems chapter for additional external and internal accessories that fit 700mm-tall frames



**Operator Interface
Enclosure Systems**

Frame Base for PROLINE® Sloped Top OI Enclosure System

Bulletin
P9, P20, P20EM

PROLINE Joining Kits

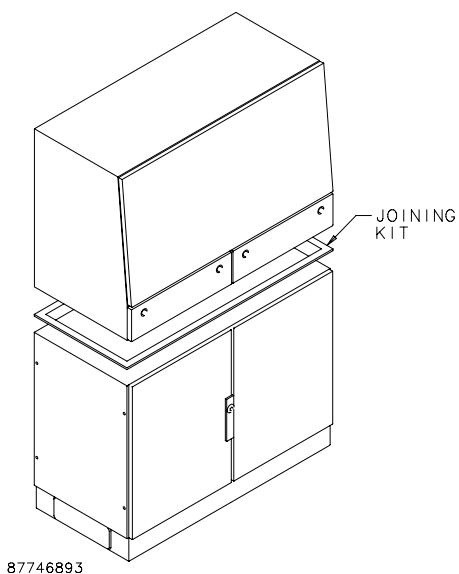


Joining kits permit joining two 700mm frames while maintaining an environmental seal. Joining kit for side-to-side applications (PJ2FW7) fits on either side of the frame.

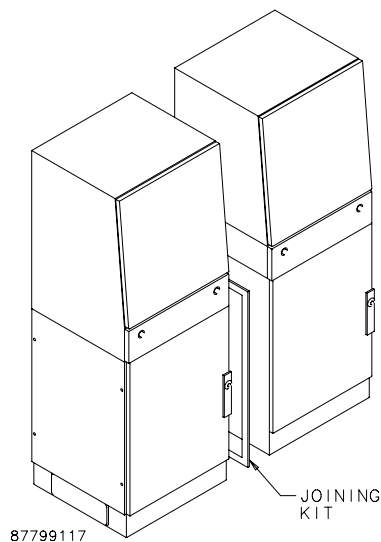
Top-to-frame joining kits allow sloped tops to be attached to 700mm PROLINE frames or to wall-mount kit. Kits available for one sloped top and one frame, or one 1200mm wide sloped top on two joined frames. Kits include gasket and mounting hardware.

Catalog Number	Description
PJ2FW7	Joins frames side-to-side under OI sloped tops
PJSTF6	Joins OI sloped top to 600 x 600 frame
PJSTF8	Joins OI sloped top to 800 x 600 frame
PJSTF12	Joins OI sloped top to 1200 x 600 frame

Joining Kit for top-to-frame (PJSTF_)



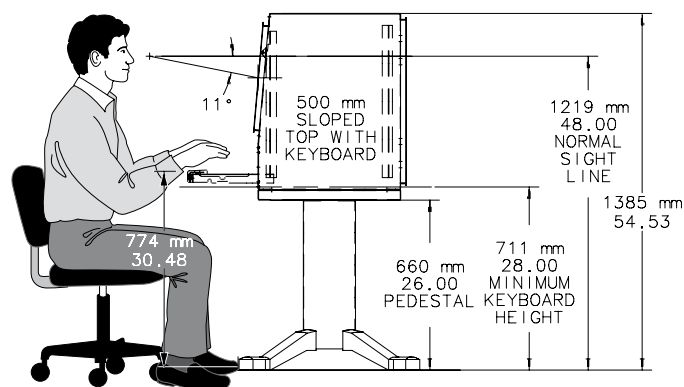
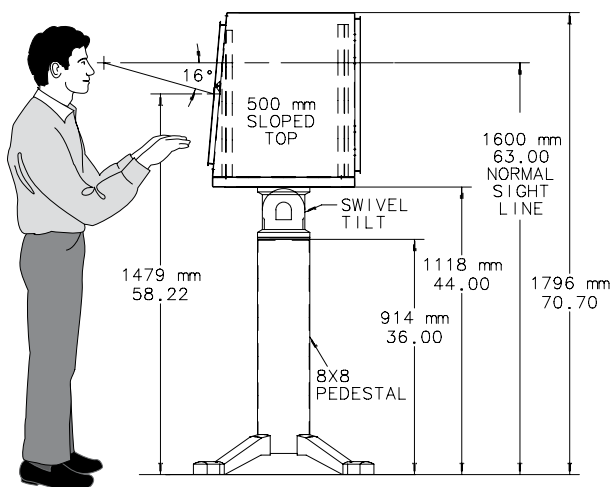
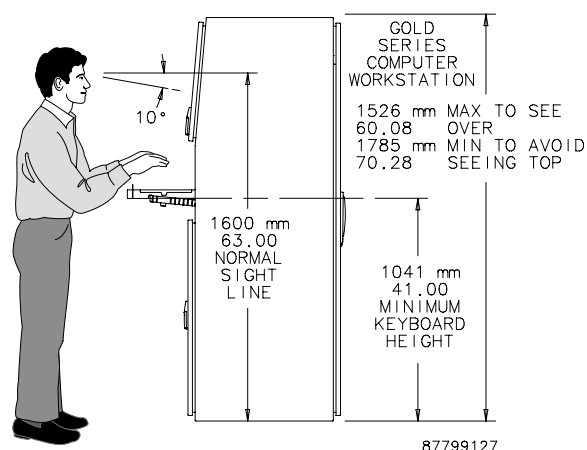
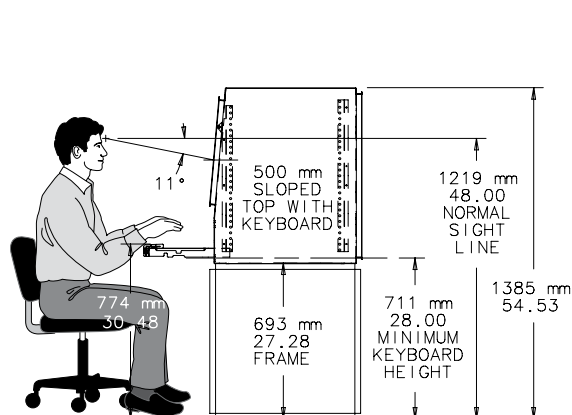
Joining Kit for side-to-side (PJ2FW7)



Frame Base for PROLINE® Sloped Top OI Enclosure System

Ergonomic Design

For ordering the operator interface enclosure and accessories that provide optimum ergonomic design for your operators, we developed the Ergonomics Reference Guide below. By knowing the height of each piece that is part of the Operator Interface Enclosure System, you can design a workstation that provides optimum effectiveness and safety for your operators. The adjustable keyboard and swivel/tilt accessories provide additional ergonomic solutions.



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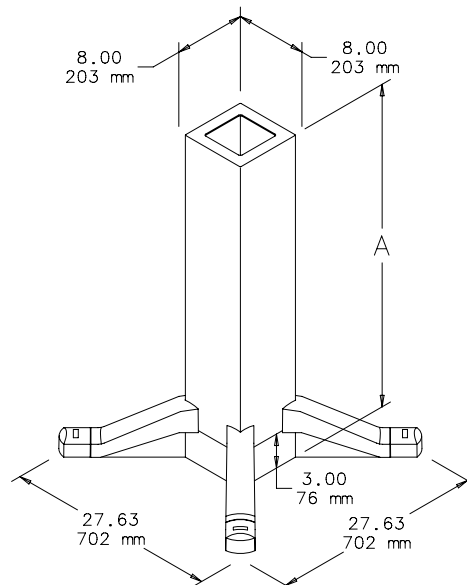
Pedestals and Pedestal Accessories for PROLINE® Sloped Top OI Enclosure System

Pedestal with Legs



Pedestal is available in two heights. Vertical tube has rigid one-piece construction. Bottom of tube is open. Four sturdy die-cast legs bolt to vertical tube. Legs have holes for bolting pedestal to the floor. Legs will accept casters in limited applications. Heavy duty black polymer caps fit on ends of legs to cover bolts or levelers. Pedestal has ANSI 61 medium gray or RAL 7035 textured light gray polyester powder paint finish. Tapped mounting holes in the top of pedestal allow attachment to operator interface base with cutout, swivel, swivel tilt, or angle adapter. Hardware and gasket to attach enclosure are included.

Catalog Number	A x B x C	Finish	Description	A (in.)	A (mm)
AP26L88	26.0 x 8.0 x 8.0 (660 x 203 x 203)	ANSI 61	Steel	26.00	660
AP26L88LG	26.0 x 8.0 x 8.0 (660 x 203 x 203)	RAL 7035	Steel	26.00	660
AP36L88	36.0 x 8.0 x 8.0 (914 x 203 x 203)	ANSI 61	Steel	36.00	914
AP36L88LG	36.0 x 8.0 x 8.0 (914 x 203 x 203)	RAL 7035	Steel	36.00	914



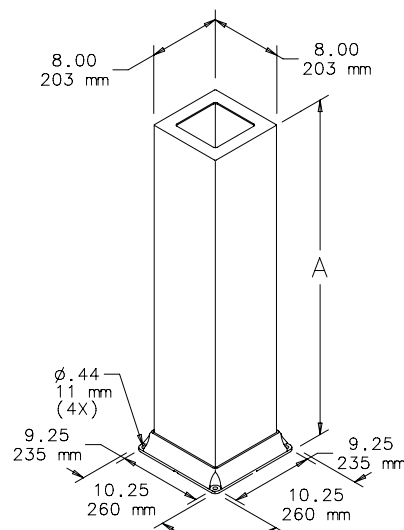
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Bolt-Down Pedestal



Bolt-down pedestal is available in two heights. The vertical tube has rigid one-piece construction. Rigid cast aluminum base flanges bolt to the vertical tube. Pedestal has ANSI 61 medium gray or RAL 7035 textured light gray polyester powder paint finish. Tapped mounting holes in the top of pedestal allow attachment to operator interface base with cutout, swivel, swivel tilt, or angle adapter. Hardware and gasket to attach enclosure are included.

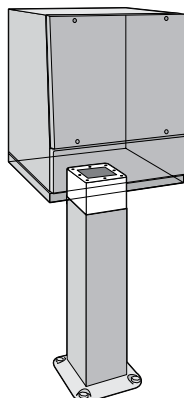
Catalog Number	A x B x C	Finish	Description	A (in.)	A (mm)
AP33B88LG	33.0 x 8.0 x 8.0 (838 x 203 x 203)	RAL 7035	Steel	33.00	838
AP23B88	23.0 x 8.0 x 8.0 (584 x 203 x 203)	ANSI 61	Steel	23.00	584
AP23B88LG	23.0 x 8.0 x 8.0 (584 x 203 x 203)	RAL 7035	Steel	23.00	584
AP33B88	33.0 x 8.0 x 8.0 (838 x 203 x 203)	ANSI 61	Steel	33.00	838



87799066

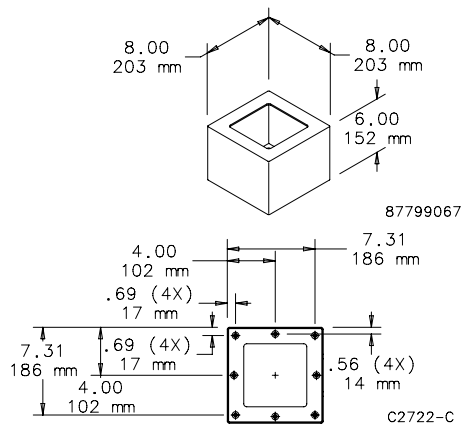
Pedestals and Pedestal Accessories for PROLINE® Sloped Top OI Enclosure System

Extension



Pedestal extension can be used with pedestals to provide additional 6 inches (152mm) of height for standing position. Finished with ANSI 61 medium gray polyester powder paint or RAL 7035 textured light gray polyester powder paint.

Catalog Number	Finish	Material
APE688	ANSI 61	Steel
APE688LG	RAL 7035	Steel



HOLE PATTERN

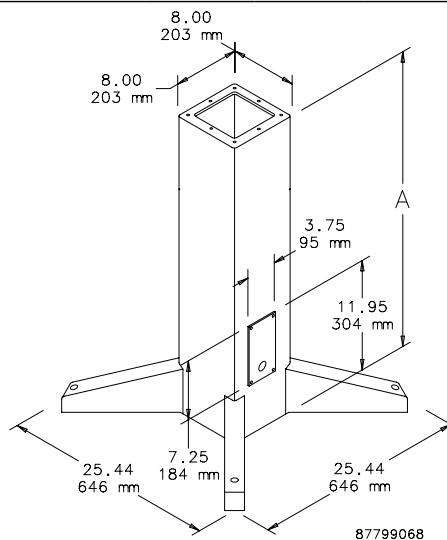
Stainless Steel Pedestal



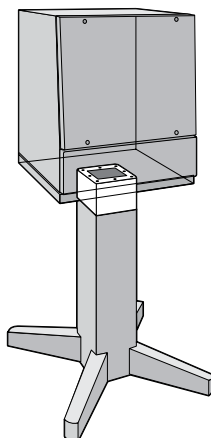
Pedestal is 36 inches (914mm) tall and provides optimal viewing and operating height. Tube is 14 gauge Type 304 one-piece construction. Legs are 7 gauge Type 304 for rigidity. Cable access plate and leg levelers are included. Leg levelers can be removed for anchoring pedestal to floor. Pedestal has smooth vertical brushed finish.

NOTE: Pedestal will accept pedestal accessories that are not stainless steel. These include swivel tilt, swivel, and angle adapters.

Catalog Number	A (in.)	A (mm)	Description
AP36SS	36.0	914	Stainless steel



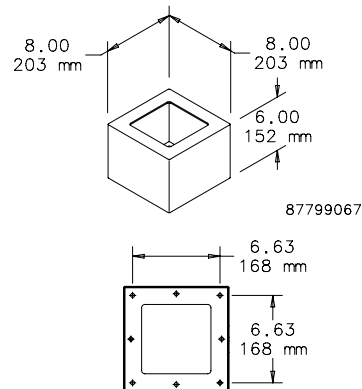
Stainless Steel Extension



Pedestal extension can be ordered separately to provide additional 6 inches (152mm) of height for standing position. Extension is 14 gauge Type 304 stainless steel with a smooth brushed finish.

NOTE: Extension will accept pedestal accessories that are not stainless steel. These include swivel tilt, swivel, and angle adapters.

Catalog Number	Description
APE6SS	Stainless steel



HOLE PATTERN

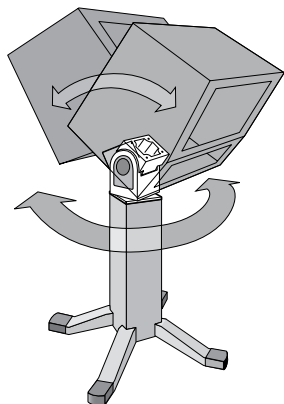
Pedestals and Pedestal Accessories for PROLINE® Sloped Top OI Enclosure System

Selection Matrix Pedestals and Pedestal Accesories

	PST466 400	PST566 500	PST766 700	PST766SS 700	PST786 700	PST7A126 700A	PST5A66 500A	PST5A66SS 500A	PST5A86 500A	PST5A126 500A	PST7A66 700A	PST7A66SS 700A	PST7A86 700A	PST7A126 700A
Pedestal with Legs ^a														
AP36L88 or AP36L88LG	•	•	•	•	NR	NR	•	•	NR	NR	•	•	NR	NR
AP26L88 or AP26L88LG	•	•	•	•	NR	NR	•	•	NR	NR	•	•	NR	NR
Bolt-Down Pedestal ^a														
AP33B88 or AP33B88LG	•	•	•	•	NR	b	•	•	NR	b	•	•	NR	b
AP23B88 or AP23B88LG	•	•	•	•	NR	b	•	•	NR	b	•	•	NR	b
Stainless Steel Pedestal ^a														
AP36SS	•	•	•	•	NR	NR	•	•	NR	NR	•	•	NR	NR
Pedestal Accessories ^a														
ASWV88	•	•	•	•	NR		•	•	NR		•	•		
AST88	•	•	•	•	NR		•	•	NR		•	•		
AAA1588	•	•	•	•	NR	NR	•	•	NR	NR	•	•		NR
APE688 or APE688LG	•	•	•	•	NR	NR	•	•	NR	NR	•	•		NR
APE6SS	•	•	•	•	NR	NR	•	•	NR	NR	•	•		NR
^a Pedestals and pedestal accessories are designed to be used with PBSK66 or PBSK66SS bases. ^b Two bolt-down pedestals can be used to support 1200mm-wide sloped tops. NR Not recommended.														

Pedestals and Pedestal Accessories for PROLINE® Sloped Top OI Enclosure System

Swivel Tilt



The use of a combination swivel and tilt mechanism allows a machine operator to rotate and also tilt an operator interface enclosure for optimum viewing and safe operation. The swivel tilt is designed for use between the bottom of an operator interface enclosure and a pedestal (enclosure reinforcement may be required).

Do not use the swivel tilt between an overhead support and an enclosure.

The swivel feature allows maximum rotation of 350 degrees. Integral stops are provided at 30-degree increments between 60 degrees

and 180 degrees of rotation. Swivel can be locked in any position. The tilt feature allows forward and backward movement up to 30 degrees from horizontal. The tilt lock has a large release knob that allows quick incremental adjustment. Top and bottom flanges allow easy installation on pedestals. A large center opening accommodates control cables that have attached plugs. The swivel tilt is cast aluminum with an anodized finish. Mounting hardware and gaskets are furnished.

Swivel



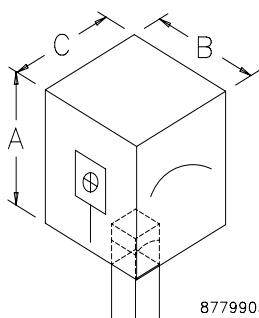
A swivel mechanism can be used to allow a machine operator a way to easily rotate an operator interface enclosure to a convenient operating position. Maximum rotation is 350 degrees. The low profile swivel has a large center opening in addition to a large, wobble-free bearing surface. Integral stops are provided at 30-degree increments between 60 degrees and 180 degrees of rotation.

Swivel mechanism can be locked in any position. The swivel mechanism is designed for use between the bottom of an operator interface enclosure and a pedestal.

Do not use the swivel between an overhead support and an enclosure.

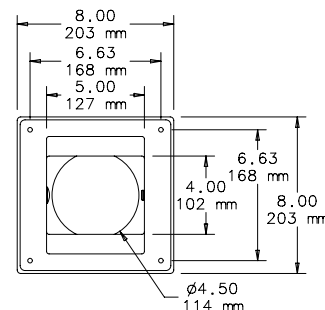
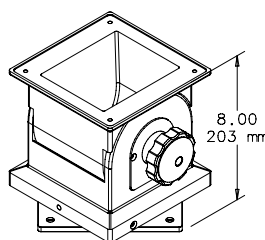
The swivel is cast aluminum with an anodized finish. Mounting hardware and gaskets are furnished.

Swivel and Swivel Tilt Loading



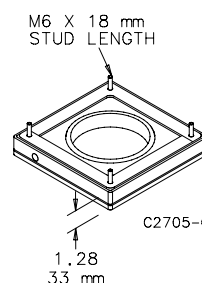
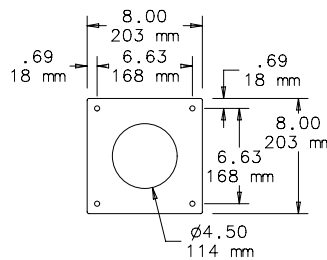
87799059

Catalog Number	Description
AST88	8 x 8 Swivel Tilt



87799071

Catalog Number	Description
ASWV88	8 x 8 Swivel



Catalog Number	Maximum Enclosure Size A x B x C in. (mm)	Maximum Load Including Enclosure
AST88 (8 x 8 Swivel Tilt)	838 x 610 x 610 (33.0 x 24.00 x 24.00)	150 lbs.
ASWV88 (8 x 8 Swivel)	838 x 610 x 610 (33.00 x 24.00 x 24.00)	200 lbs.

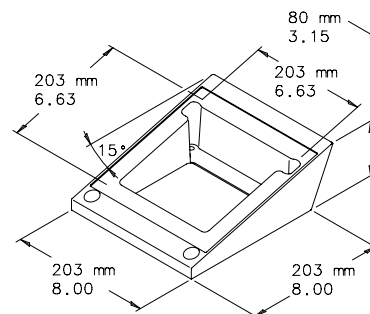
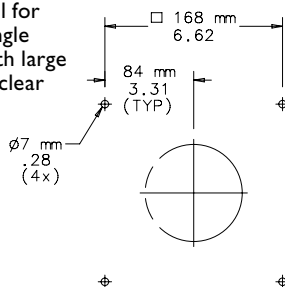
The loads listed assume that the additional load is centered on the front or back of the enclosure. Please contact Hoffman for specific application information.

Pedestals and Pedestal Accessories for PROLINE® Sloped Top OI Enclosure System

Angle Adapter



Angle adapter fits top of pedestal and provides a fixed tilt of 15 degrees from horizontal for enclosure mounting. Angle adapter is aluminum with large cable opening. Finish is clear anodized aluminum. Mounting hardware is included.



C2704-C

Catalog Number
AAA1588

Handles



Catalog Number	Description
PUHK	Die-cast aluminum handles, 2 per pkg.
PUHKA	Tubular steel handles with soft coating, 2 per pkg.

Handles attach to sides, top, or bottom of sloped top to provide maximum operator control when using the suspension system, swivel or swivel tilt. Handle length is 9.75 inches. Location dimples on the sides of sloped tops indicate drill hole location for standard mounting. Handles attach inside enclosure.

Pedestals and Pedestal Accessories for PROLINE® Sloped Top OI Enclosure System

Pedestal Caster Kits



Casters can be used on pedestals in limited applications. They are fitted to the die-cast legs of steel pedestals. Casters are also available for stainless steel pedestals (AC4M6ST). Four dual-wheel casters replace furnished levelers.

Catalog Number	Description	Height (in.) ^b	Height (mm) ^b	Wheel Dia. (in.)	Wheel Dia. (mm)	Load Rating Ea. (lb)	Load Rating Ea. (kg)	Bulletin Number
AC4M6SV ^a	(2) casters, swivel type with brakes for steel pedestals	3.72	94	3.00	76	210	95	C1, DEC1
EMRCK	(4) casters, swivel non-locking for steel pedestals	2.76	70	1.97	50	132	60	C1, DEC1
AC4M6ST ^a	(2) casters, stationary type	3.72	94	3.00	76	210	95	C1, DEC1

^a Two sets of casters are required.

^b Height of caster when installed.

Stainless Steel Legs




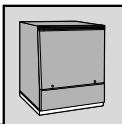
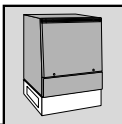
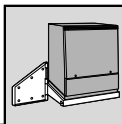
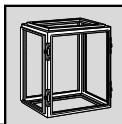
Legs can be mounted to sloped tops with a solid base. The legs raise the sloped top 4 inches (100mm) off the floor. The legs are appropriate for hose-down applications. Mounting hardware is included.


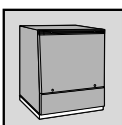
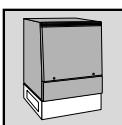
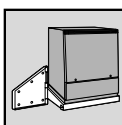
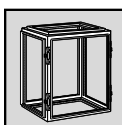
Catalog Number	Description	Bulletin Number
PLEGSS	Stainless steel legs, 4 per pkg.	P20S


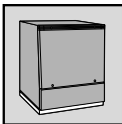
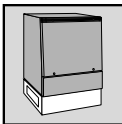
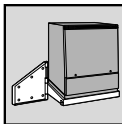
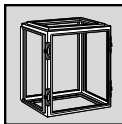
PROLINE® Sloped Top OI Enclosure System


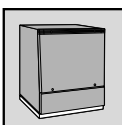
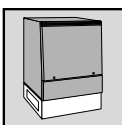
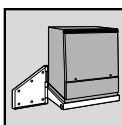
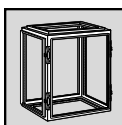
Selection Matrix: Mounting Options

Component Selection Matrix Mounting Options

								
Sloped Top			Solid Base, 0mm (Steel)	Solid Base, 0mm (Stainless Steel)	Solid Base, 100mm (Steel)	Solid Base, 100mm (Stainless Steel)	Wall-Mount Kit	700mm Frame
A	B	C						
400	600	600	PBS66	PBS66SS	PB166	PBS166SS	PWMK66	PF766
500	600	600	PBS66	PBS66SS	PB166	PBS166SS	PWMK66	PF766
700	600	600	PBS66	PBS66SS	PB166	PBS166SS	PWMK66	PF766
700	800	600	PBS66		PB166	PBS166SS		PF786

								
Double Wide Sloped Top			Solid Base, 0mm (Steel)	Solid Base, 0mm (Stainless Steel)	Solid Base, 100mm (Steel)	Solid Base, 100mm (Stainless Steel)	Wall-Mount Kit	700mm Frame
A	B	C						
700	1200	600	PBS66 ^a	PBS66SS ^a	PB166 ^a	PBS166SS ^a		PF766 ^a OR PF7126

								
Sloped Top with Accessory Front			Solid Base, 0mm (Steel)	Solid Base, 0mm (Stainless Steel)	Solid Base, 100mm (Steel)	Solid Base, 100mm (Stainless Steel)	Wall-Mount Kit	700mm Frame
A	B	C						
500A	600	600	PBS66	PBS66SS	PB166	PBS166SS	PWMK66	PF766
500A	800	600	PBS66		PB166	PBS166SS		PF786
700A	600	600	PBS66	PBS66SS	PB166	PBS166SS	PWMK66	PF766
700A	800	600	PBS66					PF786

								
Double Wide Sloped Top with Accessory Front			Solid Base, 0mm (Steel)	Solid Base, 0mm (Stainless Steel)	Solid Base, 100mm (Steel)	Solid Base, 100mm (Stainless Steel)	Wall-Mount Kit	700mm Frame
A	B	C						
500A	1200	600	PBS66 ^a	PBS66SS ^a	PB166 ^a	PBS166SS ^a		PF766 ^a OR PF7126
700A	1200	600	PBS66 ^a	PBS66SS ^a	PB166 ^a	PBS166SS ^a		PF766 ^a OR PF7126



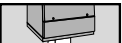




^aTwo 600mm bases are required for 1200mm wide sloped tops.

PROLINE® Sloped Top OI Enclosure System





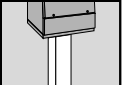


Selection Matrix: Mounting Options

Component Selection Matrix Mounting Options

Base with Cutout (Steel)	Base with Cutout (Stainless Steel)	Pedestal with Legs (Steel)	Pedestal (Stainless Steel)	Bolt-Down Pedestal	Support Bracket ^{b,c}	Sloped Top		
						A	B	C
						400	600	600
						500	600	600
						700	600	600
		Not Recommended	Not Recommended	Not Recommended	Not Recommended	700	800	600

								
Base with Cutout (Steel)	Base with Cutout (Stainless Steel)	Pedestal with Legs (Steel)	Pedestal (Stainless Steel)	Bolt-Down Pedestal	Support Bracket ^{b,c}	Double Wide Sloped Top		
						A	B	C
		Not Recommended			Not Recommended	700	1200	600

Base with Cutout (Steel)	Base with Cutout (Stainless Steel)	Pedestal with Legs (Steel)	Pedestal (Stainless Steel)	Bolt-Down Pedestal	Support Bracket ^{b,c}	Sloped Top with Accessory Front		
						A	B	C
PBSK66	PBSK66SS	AP36L88 or AP26L88	AP36SS	AP33B88 or AP23B88	PTS66	500A	600	600
		Not Recommended	Not Recommended	Not Recommended	PTS66	500A	800	600
PBSK66	PBSK66SS	AP36L88 or AP26L88	AP36SS	AP33B88 or AP23B88	PTS66	700A	600	600
		Not Recommended	Not Recommended	Not Recommended	Not Recommended	700A	800	600

								
Base with Cutout (Steel)	Base with Cutout (Stainless Steel)	Pedestal with Legs (Steel)	Pedestal (Stainless Steel)	Bolt-Down Pedestal	Support Bracket ^{b,c}	Double Wide Sloped Top with Accessory Front		
						A	B	C
		Not Recommended			Not Recommended	500A	1200	600
		Not Recommended			Not Recommended	700A	1200	600

^bUse with COMPACT® Pendant Arm Series 4.

^cIt is not recommended to pendant-mount PROLINE OI sloped tops over 600mm wide.

COMPACT® Pendant Arm Series I



Application

The COMPACT Pendant Arm Series I provides a flexible, easy-to-use method for mounting and positioning small operator interface controls and instruments. Series I pendant arm models are furnished as complete systems with ready-to-configure enclosure mounting plates. This series is recommended as a mounting option for INLINE® operator interface enclosures and other small operator interface enclosures.

Series I pendant arms are manufactured from lightweight extruded and cast aluminum. Special design features provide multiple mounting options and allow movement in both horizontal and vertical directions. This flexible series is easily attached to a machine or wall.

Construction

- Cast aluminum and extruded aluminum tube
- Four pre-assembled models. One model capable of horizontal and vertical motion. One model capable of horizontal motion. Either model is available in two lengths, 500mm or 800mm.

- Internal braking mechanism (vertical motion only) prevents downward “free-fall” motion when locked
- Easily removable snap-on cover provides access to wire containment channel
- Adjustable enclosure mounting. Arm can be configured to mount to top, bottom, or back of an enclosure.
- Enclosure mounting plate can be rotated, tilted, and locked into desired position
- Handle available as option

Finish

Tube is anodized. Color is silver. Fittings and snap-on cover are RAL 7035 light gray polyester powder paint.

Industry Standards

NEMA/EEMAC Type 12
IEC 60529, IP55
DIN 40050

Standard Sizes Pendant Arm Series I

Catalog Number	Description	L	Maximum Load
CCS1H5V	Vertical and horizontal motion	0.5M	30 lbs.
CCS1H8V	Vertical and horizontal motion	0.8M	15 lbs.
CCS1H5	Horizontal motion	0.5M	30 lbs.
CCS1H8	Horizontal motion	0.8M	15 lbs.

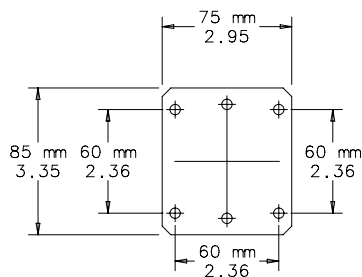
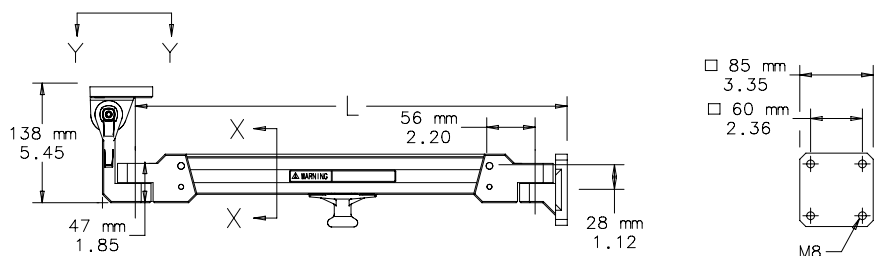
Handle

Mounts to end of arm in pre-threaded hole. Black.

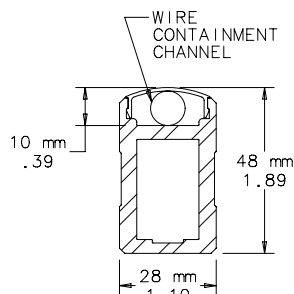
Catalog Number
CCS1HDL

COMPACT® Pendant Arm Series I

Bulletin
CS4



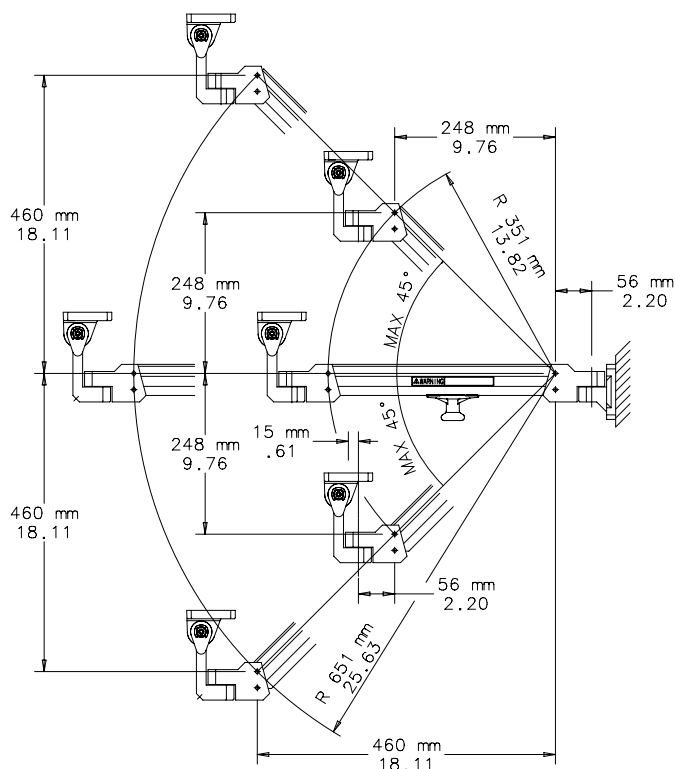
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SECTION X-X

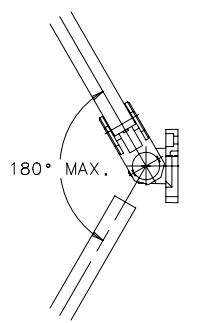
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Operator Interface
Enclosure Systems

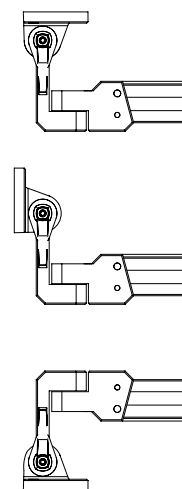


VERTICAL ROTATION

87799132



HORIZONTAL ROTATION



ENCLOSURE
MOUNTING
POSITIONS

11C59601

COMPACT® Pendant Arm Series 2



Application

The modular COMPACT Series 2 pendant arm provides a flexible method for moving operator controls into a convenient position for operator use and then moving them out of the way when not needed. This series is recommended as a mounting option for CONCEPT® operator interface enclosures in addition to COMPACT CCI enclosures.

The Series 2 pendant arm system components include extruded aluminum tubing, elbows, joints, and brackets. Configured components can suspend an enclosure from the top or support it from below. This flexible series is easily mounted to a machine, wall, or floor. Special design features provide superior load-bearing capacity and functional reliability.

Construction

- Cast aluminum couplings and extruded aluminum tubing. Series components provide excellent structural strength.
- Multiple coupling types and three standard tube lengths (500, 1000 and 1500mm) combine to form numerous configurations as conduits for equipment wiring (see configuration guide)
- Removable access plates simplify cable installation inside fittings
- Heavy duty bearings in all movable joints for convenient, smooth operation and enhanced durability
- Deep tube fittings in all couplings
- Adjustable set screws allow accurate alignment of supporting tubes
- Oil-resistant neoprene gasket

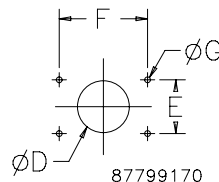
Finish

Couplings and access plates are RAL 7035 light gray polyester powder paint. Tubing is anodized aluminum.

Industry Standards

NEMA/EEMAC Type 12
IEC 60529, IP55
DIN 40050

Standard Cutout for Mounting



Dimension for Cutout	Set-Up Joint mm (in.)	Vertical or Horizontal Wall Joint in. (mm)	Flange or Flange Elbow Coupling ^a /Swivel Tilt Straight or 90° Elbow in. (mm)	Wall Flange or Base Bracket in. (mm)	Rotational Base in. (mm)
Ø D	40 (1.58)	70 (2.76)	40 (1.58)	—	40 (1.58)
E	90 (3.54)	90 (3.54)	60 (2.36)	90 (3.54)	90 (3.54)
F	90 (3.54)	110 (4.33)	60 (2.36)	90 (3.54)	90 (3.54)
Ø G	9 (0.35)	9 (0.35)	7 (9.26)	9 (0.35)	9 (0.35)

^a See product drawings for alternate shallow enclosure mounting.

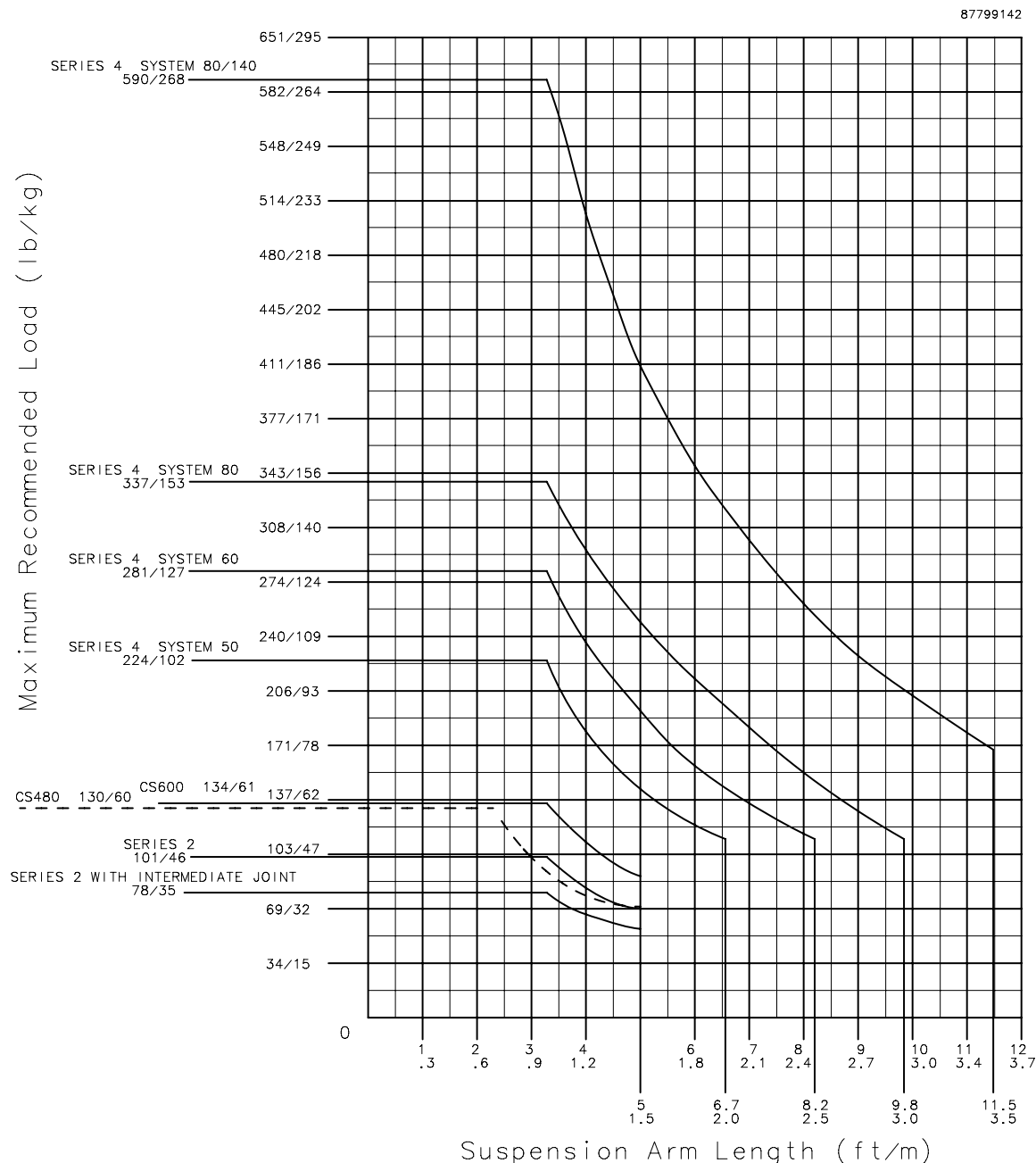
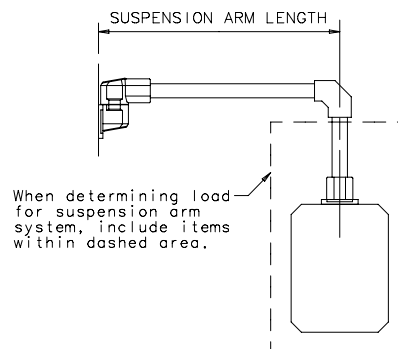
COMPACT® Pendant Arm Series 2

Bulletin
CS4

System Load Capacity

The Series 2 pendant arm load graph shown below is the result of load capacity tests. Please contact Hoffman for specific application information.

Load Diagram



Operator Interface
Enclosure Systems

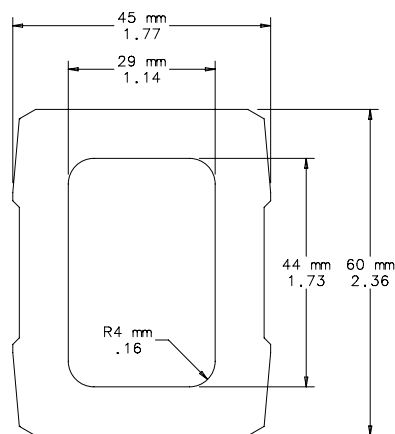
COMPACT® Pendant Arm Series 2

Bulletin
CS4

Tubes



Hollow aluminum extrusion. Available in 500, 1000, and 1500mm lengths. Connection components are fastened to support arm with setscrews. DIN 5941I and 2395.



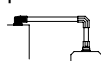
87799114

Catalog Number	Length (mm)	Length (in.)	External Dimensions (mm)	External Dimensions (in.)	Wall Thickness Dimensions (mm)	Wall Thickness Dimensions (in.)	Inside Cross Section (cm ²)	Inside Cross Section (in. ²)	Weight (lb)
CCS2T5	500	19.68	45 x 60	1.77 x 2.36	8	0.31	12.65	1.96	4.5
CCS2T10	1000	39.37	45 x 60	1.77 x 2.36	8	0.31	12.65	1.96	9.0
CCS2T20	1500	59.06	45 x 60	1.77 x 2.36	8	0.31	12.65	1.96	14.0

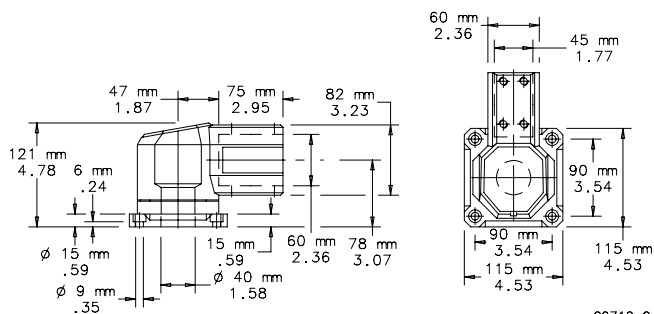
Set-Up Joint



Joint includes access plate for easy wire installation. Turning range of 300 degrees. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Setscrews, gasket, and removable access plate are included. Mounting fasteners are not provided.



Catalog Number	Weight (lb)
CCS2SJLG	4.0



C2712-C

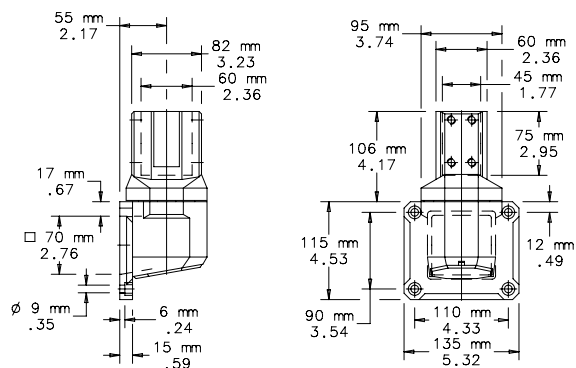
Wall Joint (Vertical)



Vertical joint includes access plate for easy wire installation. Turning range of 300 degrees. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Set screws, gasket, and removable access plate are included. Mounting fasteners are not provided.



Catalog Number	Weight (lb)
CCS2WJVLG	5.0



87799099

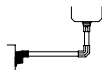
COMPACT® Pendant Arm Series 2

Bulletin
CS4

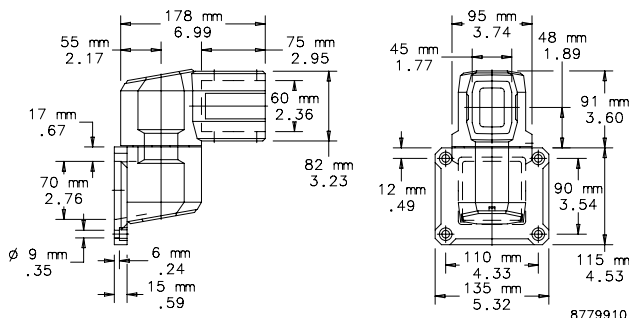
Wall Joint (Horizontal)



Includes access plates for easy wire installation. Turning range of 300 degrees. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Setscrews, gasket, and removable access plates included. Mounting fasteners not provided.



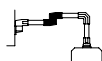
Catalog Number	Weight (lb)
CCS2WJHLG	5.0



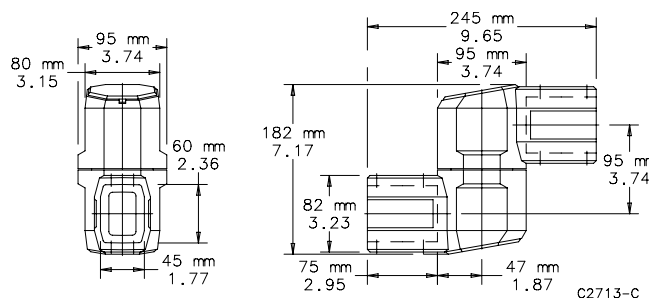
Intermediate Joint



Joint is cast aluminum finished in RAL 7035 light gray polyester powder paint. Turning range is 360 degrees with stop. Includes access plates and gasket. Use of the intermediate joint reduces pendant arm load capacity by 43 percent.



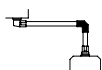
Catalog Number	Weight (lb)
CCS2IJLG	5.0



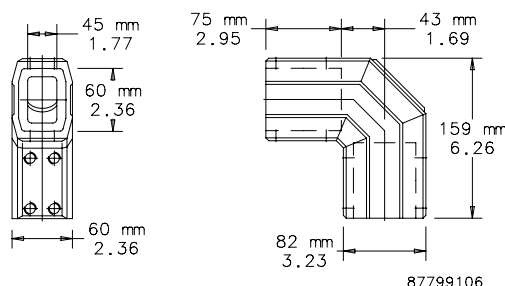
Heavy Duty Elbow



Elbow is made of aluminum with increased wall thickness for additional strength and support. Setscrews for tube adjustment. Cast aluminum finished in RAL 7035 light gray polyester powder paint. All installation hardware and gasket are included.



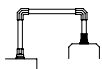
Catalog Number	Weight (lb)
CCS2EHDLG	3.0



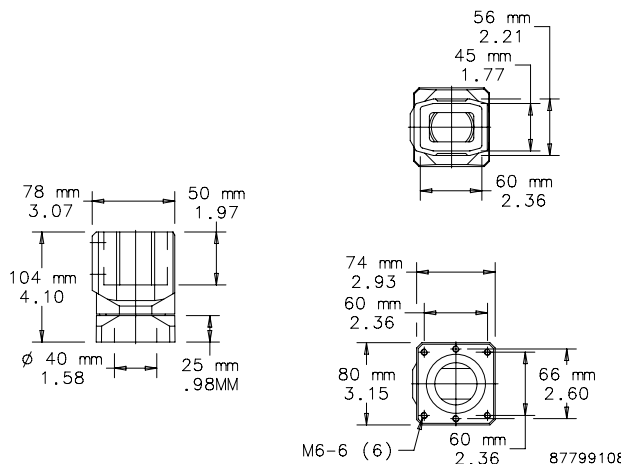
Flange Coupling



Coupling is capable of 300-degree rotation. Maintenance-free bearing is steel and polyamide. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Installation hardware, mounting fasteners, and gasket included.



Catalog Number	Weight (lb)
CCS2FCLG	2.5



Operator Interface
Enclosure Systems

COMPACT® Pendant Arm Series 2

**Bulletin
CS4**

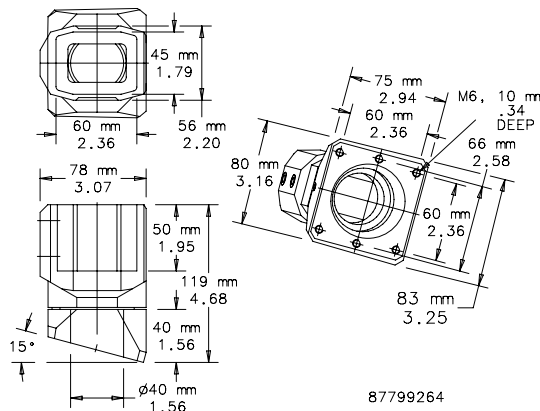
Flange Coupling 15°



Coupling is capable of 300° rotation. Maintenance-free bearing is steel and polyamide. Enclosure is mounted at a 15° incline angle. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Installation hardware, mounting fasteners, and gaskets included.



Catalog Number	Weight (lb)
CCS2FC15LG	2.5



87799264

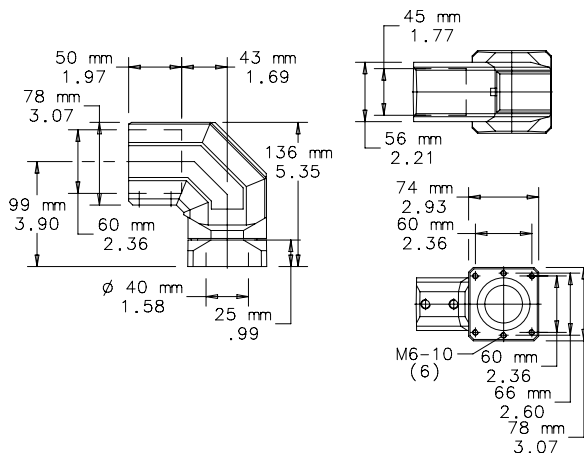
Flange Elbow Coupling



Turning range of 300 degrees. Maintenance-free bearing is steel and polyamide. Includes access plate for easy wire installation. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Installation hardware, mounting fasteners, and gasket included.



Catalog Number	Weight (lb)
CCS2FECLG	3.0



87799110

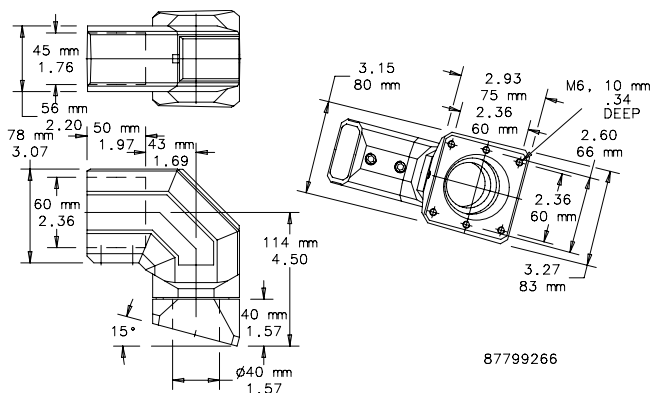
Flange Elbow Coupling 15°



Turning range of 300°. Maintenance-free bearing is steel and polyamide. Includes access plate for easy wire installation. Enclosure is mounted at a 15° incline angle. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Installation hardware, mounting fasteners, and gaskets included.



Catalog Number	Weight (lb)
CCS2FEC15LG	3.1



87799266

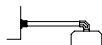
COMPACT® Pendant Arm Series 2

Bulletin
CS4

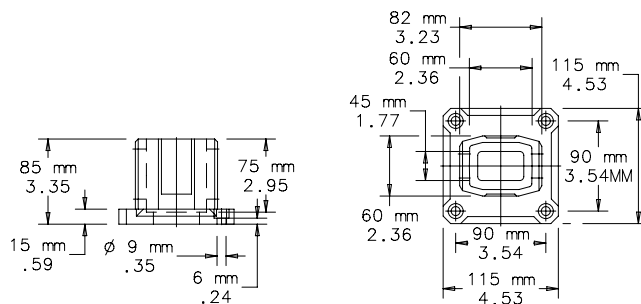
Wall Flange/Base Bracket



Cast aluminum finished in RAL 7035 light gray polyester powder paint. Set screws and gasket are included. Mounting fasteners are not provided.



Catalog Number	Weight (lb)
CCS2WFBLG	2.5

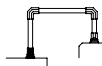


87799112

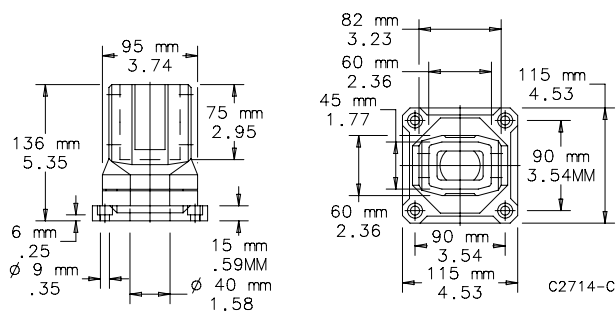
Rotational Base



Turning range of 300 degrees. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Setscrews and gasket are included. Mounting fasteners are not provided.



Catalog Number	Weight (lb)
CCS2RBLG	3.5



C2714-C

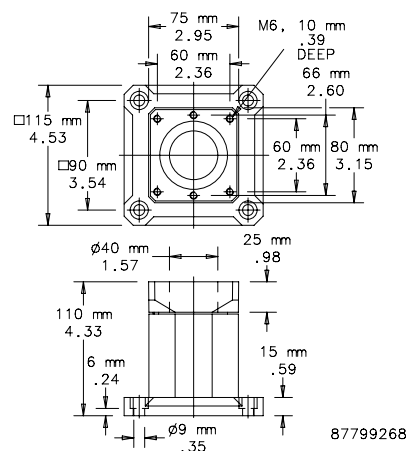
Rotational Base Bracket



Turning range of 300°. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Setscrews and gaskets are included. Mounting fasteners are not provided.



Catalog Number	Weight (lb)
CCS2RBLG	2.7



87799268

COMPACT® Pendant Arm Series 2

Bulletin
CS4

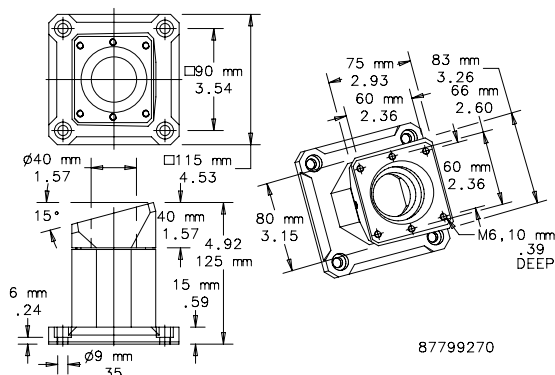
Rotational Base Bracket 15°



Turning range of 300°. Enclosure is mounted at a 15° incline angle. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Setscrews and gaskets are included. Mounting fasteners are not provided.



Catalog Number	Weight (lb)
CCS2RBB15LG	2.7



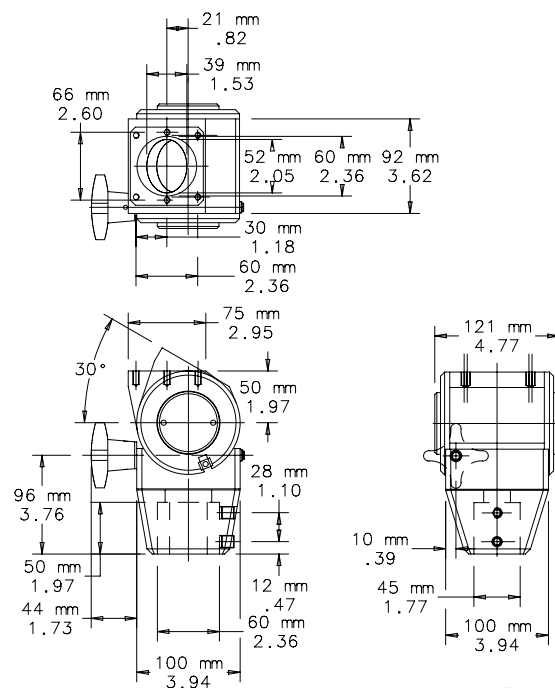
Swivel Tilt Straight



Mounts between pendant arm and operator interface enclosure to provide both swivel and tilt options for the machine operator. Swivel allows 300-degree maximum rotation. Tilt allows infinite adjustment from horizontal to 30 degrees. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Installation hardware, mounting fasteners, and gasket included.



Catalog Number	Weight (lb)
CCS2STLG	7.0



COMPACT® Pendant Arm Series 2

Bulletin
CS4

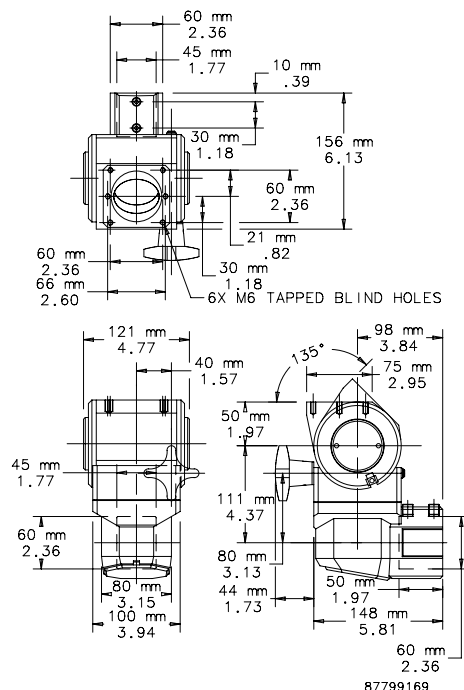
Swivel Tilt 90° Elbow



Mounts between pendant arm and operator interface to provide both swivel and tilt options for the machine operator. A 90-degree elbow is incorporated into this design. Swivel allows 300-degree maximum rotation. Tilt allows infinite adjustment from horizontal to 30 degrees. Cast aluminum finished in RAL 7035 light gray polyester powder paint. Installation hardware, mounting fasteners, and gasket are included.



Catalog Number	Weight (lb)
CCS2ESTLG	7.5



Operator Interface
Enclosure Systems

Pedestal Base



Base is cast aluminum one-piece construction finished with RAL 7035 light gray textured polyester powder paint. Includes all hardware for attaching tubes.

Catalog Number
CCS2PB

Monitor Platform

Monitor Platform



Platform attaches to pendant arm to provide a surface for a monitor. Adjustable stops hold monitor securely in place. Aluminum construction finished with RAL 7042 gray polyester powder paint.

Keyboard Tray on
Keyboard Frame

Catalog Number
CCS1MP

Keyboard Frame

Mounts to monitor platform. Frame locks at desired position by tightening knobs. Chrome plated finish.

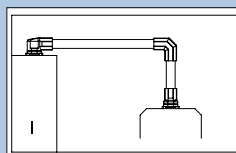
Catalog Number
CCS1KBF

Keyboard Tray

Tray attaches to keyboard frame. Provides a surface for a PC mouse as well as a platform for a keyboard. Aluminum construction finished with RAL 7042 gray polyester powder paint.

Catalog Number
CCS1KBT

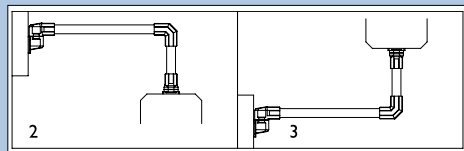
COMPACT® Pendant Arm Series 2 Configurations



87799173

1

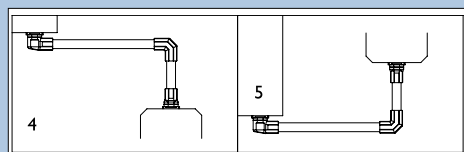
Description	Qty.	Catalog Number
Set up joint	1	CCS2SLG
Heavy duty elbow	1	CCS2EHDLG
Flange coupling or Swivel tilt	1	CCS2FCLG
	1	CCS2STLG



87799174

2 and 3

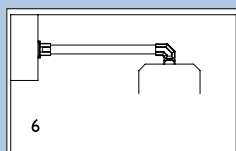
Description	Qty.	Catalog Number
Wall joint (horizontal)	1	CCS2WJHLG
Heavy duty elbow	1	CCS2EHDLG
Flange coupling or Swivel tilt or	1	CCS2FCLG
Flange coupling 15°	1	CCS2STLG
	1	CCS2FC15LG



87799175

4 and 5

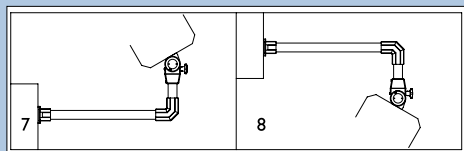
Description	Qty.	Catalog Number
Set up joint	1	CCS2SJLG
Heavy duty elbow	1	CCS2EHDLG
Flange coupling or Swivel tilt	1	CCS2FCLG
	1	CCS2STLG



87799176

6

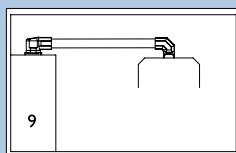
Description	Qty.	Catalog Number
Wall flange/base bracket	1	CCS2WFBLG
Flange elbow coupling or 90° Swivel tilt or	1	CCS2FECLG
Flange elbow coupling 15°	1	CCS2ESTLG
	1	CCS2FEC15LG



87799177

7 and 8

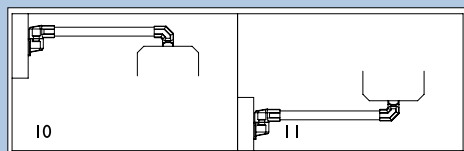
Description	Qty.	Catalog Number
Wall flange/base bracket	1	CCS2WFBLG
Heavy duty elbow	1	CCS2EHDLG
Flange coupling or Swivel tilt	1	CCS2FCLG
	1	CCS2STLG



87799178

9

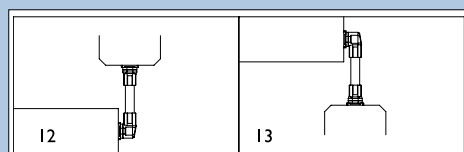
Description	Qty.	Catalog Number
Set-up joint	1	CCS2SJLG
Flange elbow coupling or 90° Swivel tilt	1	CCS2FECLG
	1	CCS2ESTLG



87799179

10 and 11

Description	Qty.	Catalog Number
Wall joint (horizontal)	1	CCS2WJHLG
Flange elbow coupling or 90° Swivel tilt	1	CCS2FECLG
	1	CCS2ESTLG

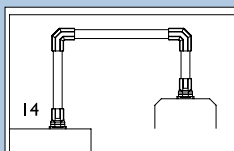


87799180

12 and 13

Description	Qty.	Catalog Number
Wall joint (vertical)	1	CCS2JVLG
Flange coupling or Swivel tilt	1	CCS2FCLG
	1	CCS2STLG

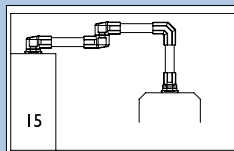
COMPACT® Pendant Arm Series 2 Configurations



87799181

14

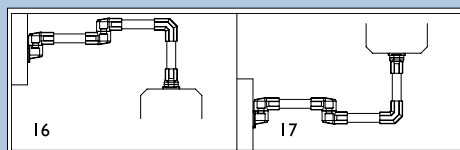
Description	Qty.	Catalog Number
Rotational base	1	CCS2RBLG
Heavy duty elbow	2	CCS2EHDLG
Flange coupling or Swivel tilt	1	CCS2FCLG CCS2STLG



87799182

15

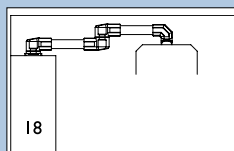
Description	Qty.	Catalog Number
Set up joint	1	CCS2SJLG
Intermediate joint	1	CCS2IJLG
Heavy duty elbow	1	CCS2EHDLG
Flange coupling or Swivel tilt	1	CCS2FCLG CCS2STLG



87799183

16 and 17

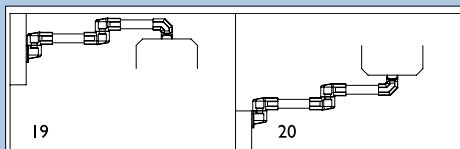
Description	Qty.	Catalog Number
Wall Joint (horizontal)	1	CCS2WJHLG
Intermediate joint	1	CCS2IJLG
Heavy duty elbow	1	CCS2EHDLG
Flange coupling or Swivel tilt	1	CCS2FCLG CCS2STLG



87799184

18

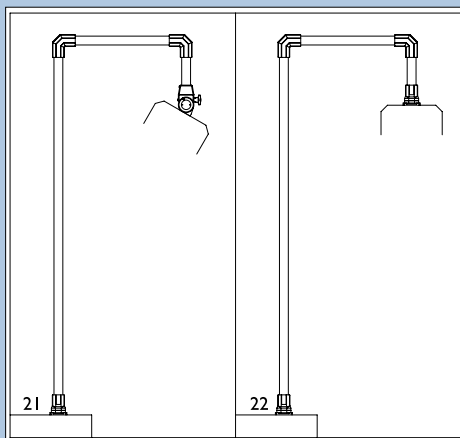
Description	Qty.	Catalog Number
Set up joint	1	CCS2SJLG
Intermediate joint	1	CCS2IJLG
Flange elbow coupling or 90° Swivel tilt	1	CCS2FECLG CCS2ESTLG



87799185

19 and 20

Description	Qty.	Catalog Number
Wall joint (horizontal)	1	CCS2WJHLG
Intermediate joint	1	CCS2IJLG
Flange elbow coupling or 90° Swivel tilt	1	CCS2FECLG CCS2ESTLG



C2802-C

21 and 22

Description	Qty.	Catalog Number
Wall flange/base bracket	1	CCS2WFBLG
Heavy duty elbow	1	CCS2EHDLG
Flange coupling or Swivel tilt	1	CCS2FCLG CCS2STLG

Note to the Specifier:

1. Select pendant system sizing using the COMPACT Series 2 load capacity chart.
2. Tube catalog numbers are not included in configuration tables.

COMPACT® Pendant Arm Series 4



Application

Modular COMPACT pendant arm systems are used to suspend machine and process control equipment, including operator interface computers. Controls mounted on a pendant arm system can be easily moved into a convenient position for use and then moved out of the way when not needed. Four sizes are available:

System 50 (50mm x 50mm square tube)

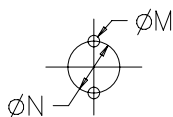
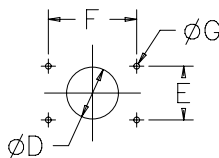
System 60 (60mm x 60mm square tube)

System 80 (80mm x 80mm square tube)

System 80/140 (80mm x 140mm rectangular tube)

Supporting tubes, elbows, brackets, movable joints, and flanged couplings are available that can be sized and configured to the specific application and for eventual mounting to a machine or to a wall.

Standard Cutouts for Mounting



C2804-C

Standard Coupling or Standard Elbow Coupling System	Ø M (mm)	Ø M (in.)	Ø N (mm)	Ø N (in.)
50	8	0.33	51	2.01

Construction

- Heavy cast steel and cast aluminum couplings and heavy wall steel tubing provide excellent structural strength
- Each system includes multiple coupling types and three standard tube lengths (.5m, 1m, and 2m) which combine to form numerous configurations
- Steel tubing has 5mm (0.2-inch) wall thickness. Tubing is cold-formed welded square and rectangular steel tubes
- Tubing provides structural integrity and acts as a conduit for equipment wiring
- Removable access plates (provided with set-up joint, elbow, and elbow couplings) simplify cable installation inside tubing
- Heavy-duty bearings in all movable joints for convenient, smooth operation and enhanced durability to withstand stresses of repeated use
- Deep tube fittings in all couplings
- Adjustable setscrews allow for accurate alignment of supporting tubes
- Optional pedestal base available
- Gasket is oil-resistant neoprene

Finish

Couplings are RAL 7035 light gray polyester powder paint. Access plates and tubing are light gray. Bellows are black.

Industry Standards

NEMA/EEMAC Type 12

IEC 60529, IP55

DIN 40050

Dimensions for Cutouts	50 (mm)	50 (in.)	60 (mm)	60 (in.)	80 (mm)	80 (in.)	80/140 (mm)	80/140 (in.)
Set-Up Joint								
Ø D MAX	70	2.75	70	2.75	105	4.13	140	5.51
E	88	3.47	97	3.82	122	4.82	200	7.87
F	88	3.47	97	3.82	122	4.82	200	7.87
Ø G	11	0.43	11	0.43	13	0.51	13	0.51
Wall Joint or Cable Wall Joint								
Ø D MAX	50	1.97	60	2.36	80	3.15	60	3.15
E	50	1.97	60	2.36	80	3.15	185	7.28
F	107	4.21	115	4.53	138	5.43	125	4.92
Ø G	10	0.41	10	0.41	13	0.51	13	0.51
Wall Flange or Base Bracket								
Ø D MAX	70	2.75	70	2.75	105	4.13	105	4.13
E	88	3.46	93	3.66	122	4.80	185	7.28
F	88	3.46	93	3.66	122	4.80	125	4.92
Ø G	11	0.43	11	0.43	13	0.51	13	0.51
Flange Coupling or Flange Elbow Coupling								
Ø D MAX	51	2.01	65	2.56	91	3.58	154	6.06
E	60	2.36	60	2.36	80	3.15	160	6.30
F	60	2.36	60	2.36	80	3.15	160	6.30
Ø G	7	0.26	7	0.26	7	0.26	7	0.26
Angle Adapter Plate								
Ø D MAX	51	2.01	65	2.56	91	3.58	154	6.05
E	80	3.15	80	3.15	80	3.15	80	3.15
F	120	4.72	120	4.72	120	4.72	190	7.48
Ø G	7	0.26	7	0.26	7	0.26	7	0.34

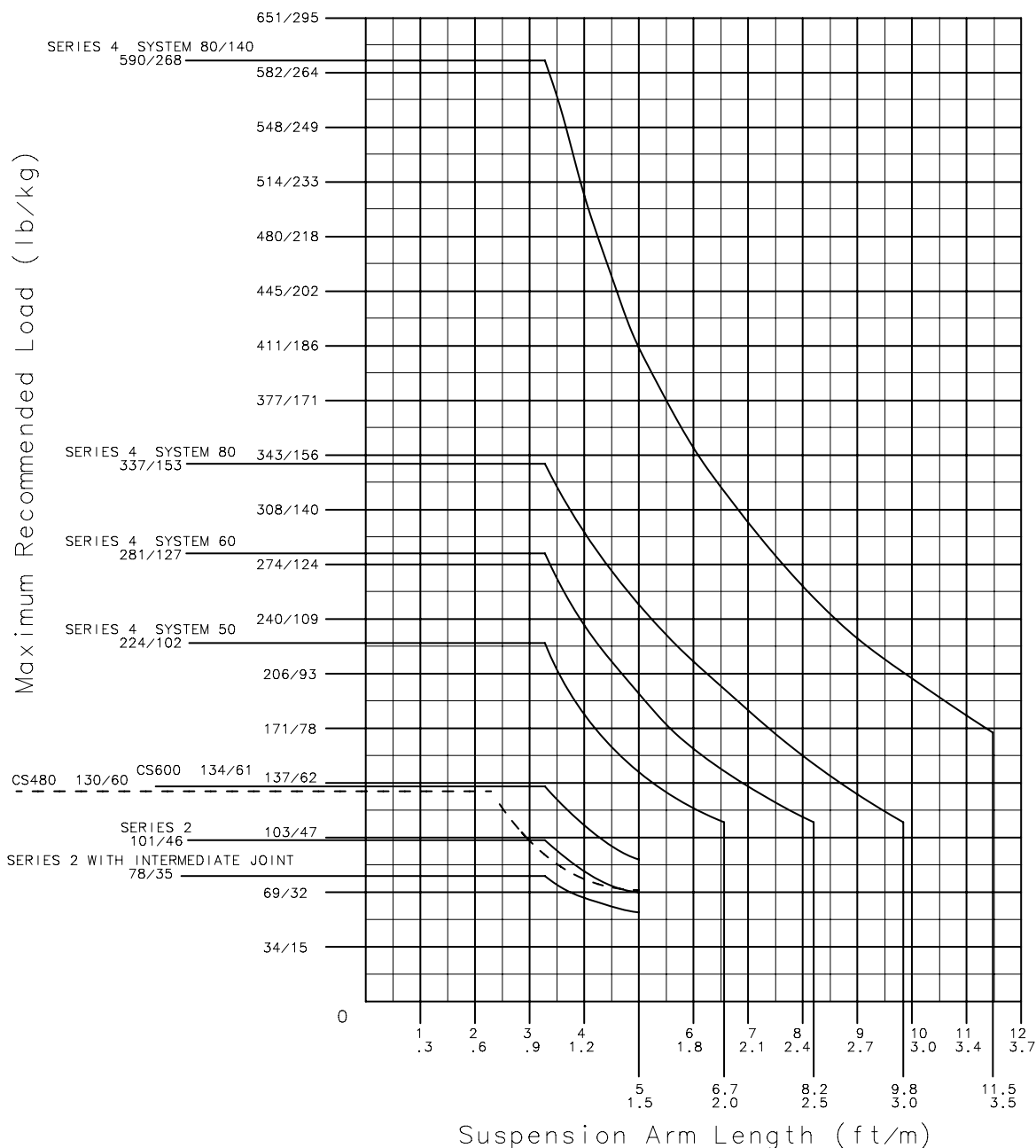
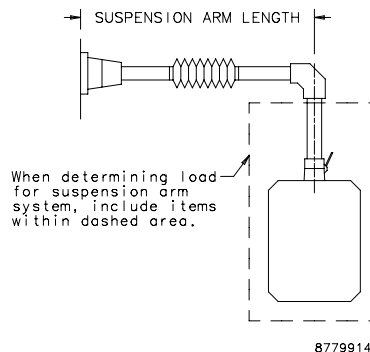
COMPACT® Pendant Arm Series 4

Bulletin
CS4

System Load Capacity

The Series 4 pendant arm load graph is the result of load capacity tests. Please contact Hoffman for specific applications information.

Load Diagram



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COMPACT® Pendant Arm Series 4

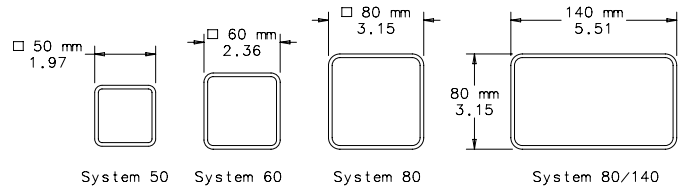
**Bulletin
CS4**

Tube Sizes



Square and rectangular tubes are cold-formed hollow welded steel with 5mm wall thickness. Finish is RAL 7035 light gray polyester powder paint.

Tubing provides structural integrity and acts as a conduit for equipment wiring. Available in 500, 1000, and 2000mm lengths. All pendant arm connections are sized to fit appropriate tube sizes.



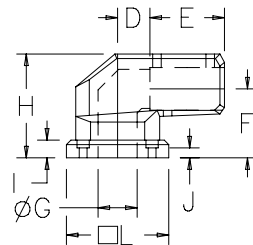
87799136

Catalog Number	System	Size	Actual Length (mm)	Actual Length (in.)	External Dimensions (mm)	External Dimensions (in.)	Wall Thickness Dimensions (mm)	Wall Thickness Dimensions (in.)	Inside Cross Section sq. cm/sq. in.	Weight (lb)
CCS5T5	50	50 x 50	489	19.25	50 sq.	1.97	5	0.20	2.48/16	7.6
CCS5T10	50	50 x 50	991	39.00	50 sq.	1.97	5	0.20	2.48/16	15.1
CCS5T20	50	50 x 50	1988	78.25	50 sq.	1.97	5	0.20	2.48/16	30.2
CCS6T5	60	60 x 60	489	19.25	60 sq.	2.36	5	0.20	3.88/25	9.3
CCS6T10	60	60 x 60	991	39.00	60 sq.	2.36	5	0.20	3.88/25	18.6
CCS6T20	60	60 x 60	1988	78.25	60 sq.	2.36	5	0.20	3.88/25	37.1
CCS8T5	80	80 x 80	489	19.25	80 sq.	3.15	5	0.20	7.60/49	13.0
CCS8T10	80	80 x 80	991	39.00	80 sq.	3.15	5	0.20	7.60/49	24.5
CCS8T20	80	80 x 80	1988	78.25	80 sq.	3.15	5	0.20	7.60/49	49.0
CCS14T5	80/140	80 x 140	489	19.25	80 x 140	3.15 x 5.51	5	0.20	14.11/91	17.0
CCS14T10	80/140	80 x 140	991	39.00	80 x 140	3.15 x 5.51	5	0.20	14.11/91	33.0
CCS14T20	80/140	80 x 140	1988	78.25	80 x 140	3.15 x 5.51	5	0.20	14.11/91	66.0

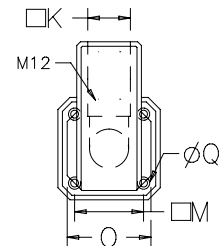
Set-Up Joint



Cast iron finished with RAL 7035 light gray polyester powder paint. Mounts equipment to horizontal surface. Permits pendant arm to be rotated or turned 306 degrees. Pivot bearing is maintenance-free. Setscrews, removable access plate, and gasket are included. (Mounting hardware not provided.)



Side View



Top View

87799138

Catalog Number	System	L each side mm (in.)	H mm (in.)	D mm (in.)	E mm (in.)	F mm (in.)	Ø G mm (in.)	I mm (in.)	J mm (in.)	K each side mm (in.)	M each side mm (in.)	O mm (in.)	Ø Q mm (in.)	Wt. (lb)
CCS5SJLG	50	134 (5.28)	132 (5.20)	41 (1.59)	90 (3.54)	92 (3.62)	45 (1.78)	25 (0.98)	14 (0.55)	50 (1.97)	88 (3.47)	108 (4.25)	11 (0.43)	20.5
CCS6SJRLG	60	144 (5.67)	152 (5.98)	46 (1.79)	105 (4.13)	97 (3.82)	55 (2.16)	25 (0.98)	14 (0.55)	60 (2.36)	97 (3.82)	118 (4.65)	11 (0.43)	28.5
CCS8SJLG	80	174 (6.85)	6.38 (162)	56 (2.19)	120 (4.72)	107 (4.21)	75 (2.95)	25 (0.98)	12 (0.47)	80 (3.15)	122 (4.80)	152 (5.98)	13 (0.51)	45.5
CCS14SJLG	80/140	260 (10.24)	8.86 (225)	85 (3.35)	155 (6.10)	141 (5.55)	140 (5.51)	34 (1.34)	12 (0.47)	80 x 140 (3.15 x 5.51)	200 (7.87)	232 (9.14)	13 (0.51)	63.0

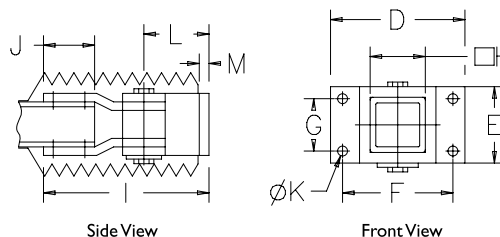
COMPACT® Pendant Arm Series 4

Bulletin
CS4

Wall Joint



Welded steel plate construction finished with RAL 7035 light gray polyester powder paint. Mounts equipment to vertical surface. Swivel range is approximately 180 degrees. Includes bellows with zipper, seals, and setscrews (mounting fasteners are not included). Adjustable tension at pivot point. Rotational limiter is optional. (Mounting hardware not provided.)

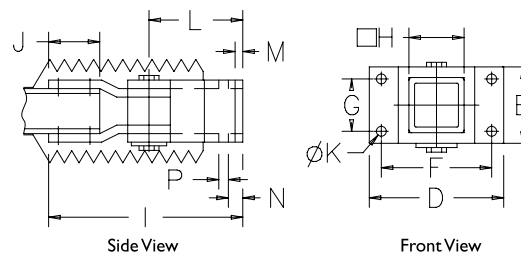


Catalog Number	System	D mm (in.)	E mm (in.)	F mm (in.)	G mm (in.)	H each side mm (in.)	I mm (in.)	J mm (in.)	Ø K mm (in.)	L mm (in.)	M mm (in.)	Wt. (lb)
CCS5WJRLG	50	131 (5.16)	74 (2.91)	107 (4.21)	50 (1.97)	50 (1.97)	190 (7.48)	65 (2.55)	11 (0.41)	75 (2.95)	10 (0.39)	8.7
CCS6WJRLG	60	141 (5.55)	84 (3.30)	115 (4.53)	60 (2.36)	60 (2.36)	210 (8.27)	70 (2.76)	11 (0.41)	90 (3.54)	10 (0.39)	11.8
CCS8WJRLG	80	161 (6.34)	104 (4.09)	138 (5.43)	80 (3.15)	80 (3.15)	300 (11.81)	100 (3.94)	13 (0.51)	135 (5.31)	10 (0.39)	21.6
CCS14WJRLG	80/140	170 (6.69)	230 (9.06)	125 (4.92)	185 (7.28)	80 x 140 (3.15 x 5.51)	392 (15.43)	155 (6.10)	13 (0.51)	162 (6.38)	12 (0.47)	37.9

Cable Wall Joint



Welded steel plate construction finished with RAL 7035 light gray polyester powder paint. Mounts equipment to vertical surface. Provides cable access to inside of pendant system from above or below. Swivel range approximately 180 degrees. Includes bellows with zipper, seal, and setscrews. Adjustable tension at pivot point. Rotation limiter is optional. (Mounting hardware not provided.)



C2753-C

Catalog Number	D mm (in.)	E mm (in.)	F mm (in.)	G mm (in.)	H each side mm (in.)	I mm (in.)	J mm (in.)	Ø K mm (in.)	L mm (in.)	M mm (in.)	N mm (in.)	P mm (in.)	Weight (lb)
CCS5WJCRLG	131 (5.16)	74 (2.91)	107 (4.21)	50 (1.97)	50 (1.97)	220 (8.66)	60 (2.36)	11 (0.41)	105 (4.13)	10 (0.39)	15 (0.59)	40 (1.57)	10.4
CCS6WJCRLG	141 (5.55)	84 (3.30)	115 (4.53)	60 (2.36)	60 (2.36)	240 (9.45)	70 (2.76)	11 (0.41)	120 (4.72)	10 (0.39)	15 (0.59)	50 (1.97)	14.6
CCS8WJCRLG	165 (6.50)	104 (4.09)	138 (5.43)	80 (3.15)	80 (3.15)	330 (12.99)	100 (3.94)	13 (0.51)	165 (6.50)	10 (0.39)	20 (0.79)	60 (2.36)	20.9

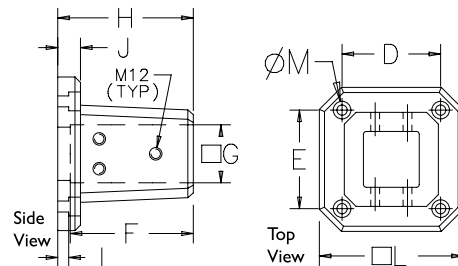
COMPACT® Pendant Arm Series 4

Bulletin
CS4

Wall Flange



Wall flange expands mounting options to include wall-mount as well as horizontal tube applications. Cast iron construction finished with RAL 7035 light gray polyester powder paint. Setscrews, gasket, and seals are included. (Mounting hardware not provided.)



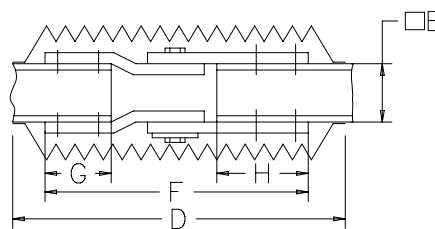
87799144

Catalog Number	System	L each side mm (in.)	H mm (in.)	D mm (in.)	E mm (in.)	F mm (in.)	G each side mm (in.)	I mm (in.)	J mm (in.)	Ø M mm (in.)	Weight (lb)
CCS5WFLG	50	134 (5.28)	117 (4.60)	88 (3.46)	88 (3.46)	104 (4.09)	50 (1.97)	9 (0.35)	20 (0.79)	11 (0.43)	9.4
CCS6WFLG	60	140 (5.5)	125 (4.92)	93 (3.66)	93 (3.66)	112 (4.41)	60 (2.36)	9 (0.35)	20 (0.79)	11 (0.43)	10.8
CCS8WFLG	80	174 (6.85)	160 (6.30)	122 (4.80)	122 (4.80)	143 (5.63)	80 (3.15)	12 (0.47)	25 (0.98)	13 (0.51)	20.1
CCS14WFLG	80/140	175 x 235 (6.89 x 9.25)	190 (7.48)	125 (4.92)	185 (7.28)	173 (6.81)	80 x 140 (3.15 x 5.51)	12 (0.47)	25 (0.98)	13 (0.51)	28.5

Intermediate Joint



Welded steel plate construction finished with RAL 7035 light gray polyester powder paint. Mounts to pendant tube. Swivel range is approximately 180 degrees. Setscrews and bellows with zipper are included. Rotational limiter is optional.



87799146

Catalog Number	System	D mm (in.)	E each side mm (in.)	F mm (in.)	G mm (in.)	H mm (in.)	Weight (lb)
CCS5JRLG	50	300 (11.81)	50 (1.97)	230 (9.06)	65 (2.56)	65 (2.56)	9.7
CCS6JRLG	60	310 (12.20)	60 (2.36)	240 (9.45)	70 (2.76)	70 (2.76)	13.1
CCS8JRLG	80	400 (15.75)	80 (3.15)	330 (12.99)	100 (3.94)	100 (3.94)	21.4
CCS14JRLG	80/140	540 (21.26)	80 x 140 (3.15 x 5.51)	460 (18.11)	155 (6.10)	155 (6.10)	39.9

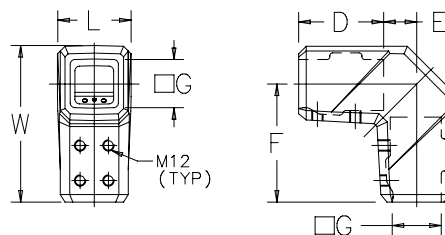
COMPACT® Pendant Arm Series 4

Bulletin
CS4

Elbow



Cast aluminum finished with RAL 7035 light gray polyester powder paint for Systems 80/140. Removable access plate. Setcrews and gaskets are included.



87799402

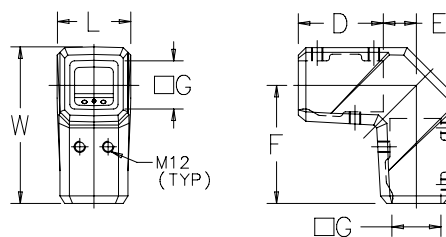
Catalog Number	System	L mm (in.)	W mm (in.)	D mm (in.)	E mm (in.)	F mm (in.)	G each side mm (in.)	Weight (lb)
CCS14ELLG	80/140	110 (4.33)	250 (9.84)	80 (3.15)	88 (3.46)	168 (6.61)	80 x 140 (3.15 x 5.51)	15.5

Operator Interface
Enclosure Systems

Heavy Duty Elbow



Cast steel finished with RAL 7035 light gray polyester powder paint for Systems 50, 60, and 80. Removable access plate. Setscrews and gaskets are included.



C2754-C

Catalog Number	System	L mm (in.)	W mm (in.)	D mm (in.)	E mm (in.)	F mm (in.)	G each side mm (in.)	Weight (lb)
CCS5ELLG	50	78 (3.07)	165 (6.50)	90 (3.45)	35 (1.38)	125 (4.92)	50 (1.97)	9.9
CCS6ELLG	60	88 (3.46)	190 (7.48)	105 (4.13)	40 (1.57)	145 (5.71)	60 (2.36)	13.2
CCS8ELLG	80	108 (4.25)	225 (8.86)	120 (4.72)	50 (1.97)	170 (6.69)	80 (3.15)	18.7

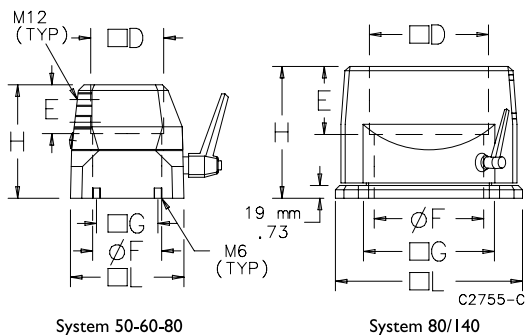
COMPACT® Pendant Arm Series 4

Bulletin
CS4

Flange Coupling



Flange coupling mounts to enclosure, enabling enclosure to be rotated 300 degrees (System 50, 60, and 80) or 330 degrees (System 80/140). Enclosure can be locked in position. Safety stop and maintenance-free bearing. Finish is RAL 7035 light gray polyester powder paint. Includes installation instructions, setscrews, gaskets, and mounting hardware.

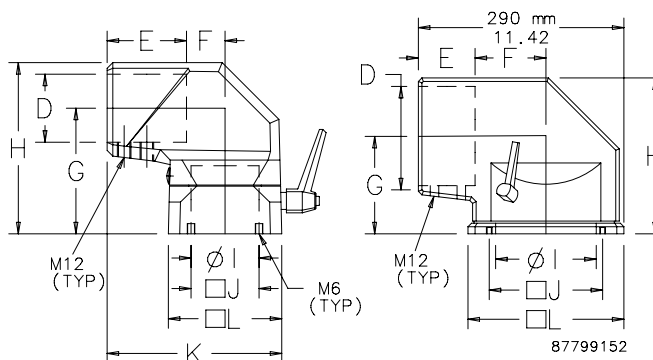


Catalog Number	System	L each side mm (in.)	D each side mm (in.)	E mm (in.)	Ø. F mm (in.)	G each side mm (in.)	Weight (lb)
CCS5FCLG	50	100 (3.94)	50 (1.97)	43 (1.69)	50 (1.97)	60 (2.36)	3.5
CCS6FCLG	60	100 (3.94)	60 (2.36)	43 (1.69)	64 (2.52)	60 (2.36)	5.5
CCS8FCLG	80	120 (4.72)	80 (3.15)	53 (2.09)	91 (3.58)	80 (3.15)	7.2
CCS14FCLG	80/140	220 (8.66)	80 x 140 (3.15 x 5.51)	80 (3.15)	142 (6.06)	160 (6.30)	10.1

Flange Elbow Coupling



Coupling mounts to enclosure, enabling enclosure to be rotated 300 degrees (System 50, 60, and 80) or 330 degrees (System 80/140). Enclosure can be locked in position. Removable access plates. Finish is RAL 7035 light gray polyester powder paint. Setscrews, gasket, and mounting hardware are included.



Catalog Number	L each side mm (in.)	H mm (in.)	D each side mm (in.)	E mm (in.)	F mm (in.)	G mm (in.)	Ø I mm (in.)	J each side mm (in.)	K mm (in.)	Weight (lb)
CCS5FECLG	100 (3.94)	141 (5.55)	50 (1.97)	60 (2.36)	34 (1.34)	106 (4.17)	50 (1.97)	60 (2.36)	144 (5.67)	4.5
CCS6FECLG	100 (3.94)	151 (5.95)	60 (2.36)	70 (2.76)	34 (1.34)	111 (4.37)	64 (2.52)	60 (2.36)	154 (6.06)	7.0
CCS8FECLG	120 (4.72)	173 (6.81)	80 (3.15)	90 (3.54)	54 (2.13)	121 (4.76)	91 (3.58)	80 (3.15)	204 (8.03)	9.5
CCS14FECLG	220 (8.66)	220 (8.66)	80 x 140 (3.15 x 5.51)	80 (3.15)	100 (3.94)	138 (5.43)	154 (6.06)	160 (6.30)	290 (11.42)	15.5

COMPACT® Pendant Arm Series 4

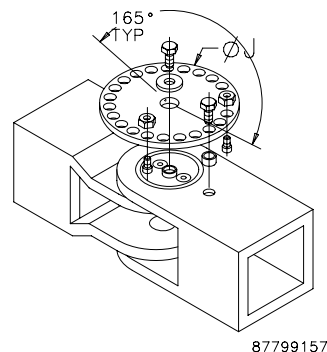
Bulletin
CS4

Rotation Limiter



Accessory for use with wall joint, cable wall joint, and intermediate joint. Limits the rotation of these joints, which normally rotate 180 degrees. Rotation limiter provides stops in 15-degree increments. The limiter is a heavy-duty steel disk that attaches to the pivot point on each joint. Moveable stop pins provide adjustment.

Catalog Number	System	Ø j mm (in.)	Weight (lb)
CCS56RL	50 and 60	96 (3.77)	0.8
CCS814RL	80 and 80/140	119 (4.70)	1.3



Swivel Tilt



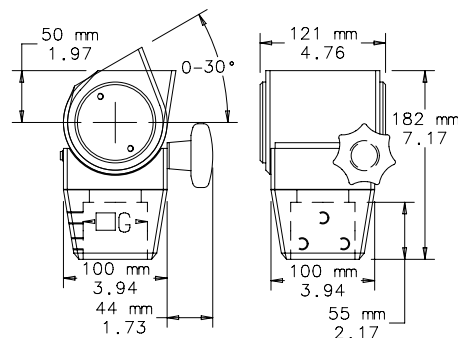
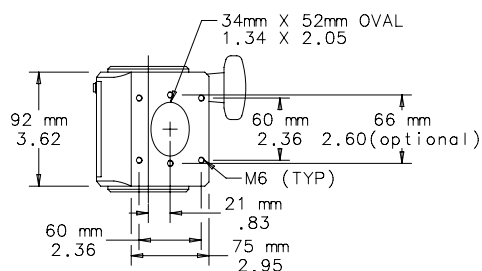
Mounts between suspension arm and operator interface enclosure to provide both swivel and tilt options for machine operator. Cast aluminum assembly finished with RAL 7035 light gray polyester powder paint. Center opening for control cables. Tilt knob allows infinite tilt adjustment from horizontal to 30 degrees. Swivel allows 300-degree maximum rotation. Setscrews, seals, and enclosure mounting screws are included.

NOTE: Maximum load for overhead applications is 110 lb (50 kg).



Catalog Number	System	G each side mm (in.)	Weight (lb)
CCS5STBLG	50	50 (1.97)	7.0
CCS6STBLG	60	60 (2.36)	7.0
CCS8STBLG	80	80 (3.15)	7.0

Not recommended to be used in combination with base with cutout for sloped top PBSK66 or PBSK66SS.



C2719-C

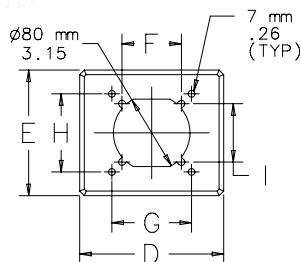
COMPACT® Pendant Arm Series 4

Bulletin
CS4

Angle Adapter Plate

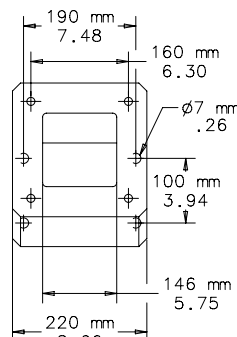


Cast aluminum finished with RAL 7035 light gray polyester powder paint. Provides connection between enclosure and flange coupling. Includes gasket and installation hardware.



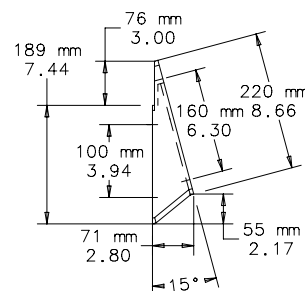
System 50-60-80

87799159



System 80/140
Catalog Number CCS14AA15LG

87799160

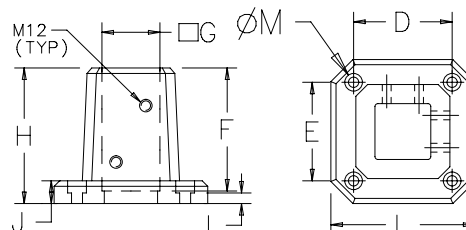


Catalog Number	System	Angle	D mm (in.)	E mm (in.)	F mm (in.)	G mm (in.)	H mm (in.)	I mm (in.)	J mm (in.)	K mm (in.)	Weight (lb)
CCS568AA15LG	50, 60, 80	15°	148 (5.83)	127 (5.00)	60 (2.36)	80 (3.15)	80 (3.15)	60 (2.36)	39 (1.54)	118 (4.65)	1.0
CCS568AA30LG	50, 60, 80	30°	148 (5.83)	127 (5.00)	60 (2.36)	80 (3.15)	80 (3.15)	60 (2.36)	66 (2.66)	120 (4.72)	1.3

Base Bracket



For vertical tube mounting or to mount tube to floor. Bracket is cast iron finished with RAL 7035 light gray polyester powder paint. Setscrews, gasket, and seals are included. (Mounting hardware not provided.)



87799161

Catalog Number	System	L each side mm (in.)	H mm (in.)	D mm (in.)	E mm (in.)	F mm (in.)	G each side mm (in.)	I mm (in.)	J mm (in.)	Ø M mm (in.)	Weight (lb)
CCS5BBLG	50	134 (5.28)	117 (4.60)	88 (3.48)	88 (3.48)	104 (4.09)	50 (1.97)	9 (0.35)	20 (0.79)	11 (0.43)	9.5
CCS6BBLG	60	140 (5.51)	125 (4.92)	93 (3.67)	93 (3.67)	112 (4.41)	60 (2.36)	9 (0.35)	20 (0.79)	11 (0.43)	10.8
CCS8BBLG	80	174 (6.85)	160 (6.30)	122 (4.80)	122 (4.80)	143 (5.63)	80 (3.15)	12 (0.47)	25 (0.98)	13 (0.51)	20.4
CCS14BBLG	80/140	175 x 235 (6.89 x 9.25)	190 (7.48)	125 (4.92)	185 (7.28)	173 (6.81)	80 x 140 (3.15 x 5.51)	12 (0.47)	25 (0.98)	13 (0.51)	28.4

COMPACT® Pendant Arm Series 4

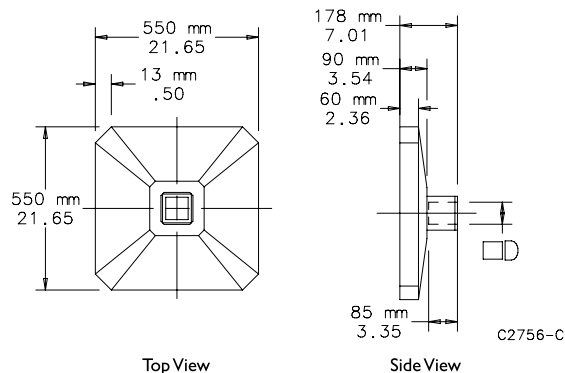
Bulletin
CS4

Pedestal Base



Cast aluminum one-piece heavy-duty construction finished with RAL 7035 light gray polyester powder paint. Includes all hardware for attaching tubes. Optional casters or levelers can be installed on pedestal base. Levelers and fixed or swivel casters are available in pairs (must order two pair).

Catalog Number	System	D each side (mm)	D each side (in.)	Weight (lb)
CCS14PBLG	80/140	80 x 140	3.15 x 5.51	32.6
CCS6PBLG	60	60 x 60	2.36 x 2.36	30.9
CCS8PBLG	80	80 x 80	3.15 x 3.15	31.5



Casters and Levelers for Pedestal Base



Casters or levelers can be installed under the cast aluminum pedestal base. Casters raise pedestal base 0.59 inches (15mm). Four casters, four levelers, or two casters and two levelers can be installed.

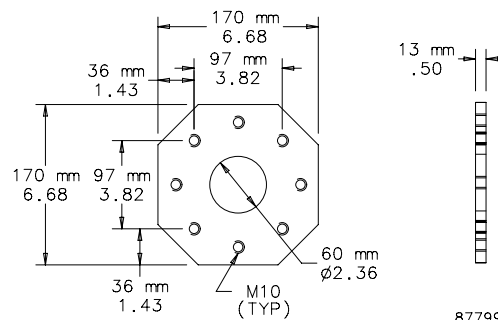
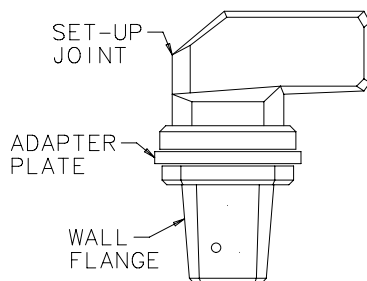
Catalog Number	Description	Weight (lb)
CCSPBLF	(2) Levelers	0.3
CCSPBWF	(2) Fixed Casters	0.3
CCSPBWS	(2) Swivel Casters	0.5

Adapter Plate

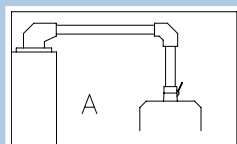


Allows CCS6SJ set-up joint and CCS6WF wall flange to be fastened together. Finish is RAL 7035 light gray polyester powder paint.

Catalog Number	Description
CCS6ADP	CCS6SJ to CS6WF Adapter Plate



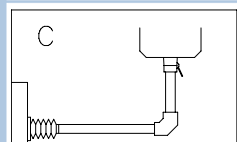
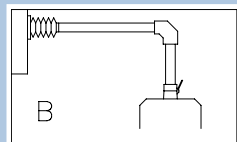
COMPACT® Pendant Arm Series 4 Configurations



87799186

A

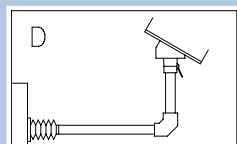
Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Set-up joint	1	CCS5SJLG	CCS6SJLG	CCS8SJLG	CCS14SJLG
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling or Swivel tilt	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
	1	CCS5STBLG	CCS6STBLG	CCS8STBLG	—



87799187

B and C

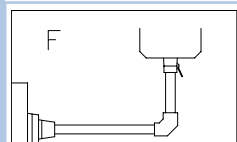
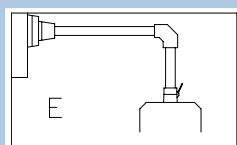
Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG	CCS6WJRLG	CCS8WJRLG	CCS14WJRLG
	1	CCS5WJCRLG	CCS6WJCRLG	CCS8WJCRLG	—
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling or Swivel tilt	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
	1	CCS5STBLG	CCS6STBLG	CCS8STBLG	—



87799188

D

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG	CCS6WJRLG	CCS8WJRLG	CCS14WJRLG
	1	CCS5WJCRLG	CCS6WJCRLG	CCS8WJCRLG	—
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
Angle adapter 15° or Angle adapter 30°	1	CCS568AA15LG	CCS568AA15LG	CCS568AA15LG	CCS14AA15LG
	1	CCS568AA30LG	CCS568AA30LG	CCS568AA30LG	—

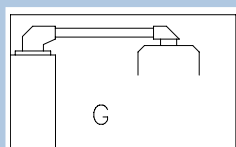


87799189

E and F

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall flange	1	CCS5WFLG	CCS6WFLG	CCS8WFLG	CCS14WFLG
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling or Swivel tilt	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
	1	CCS5STBLG	CCS6STBLG	CCS8STBLG	—

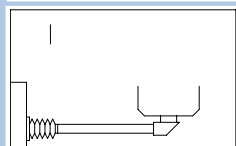
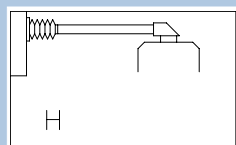
COMPACT® Pendant Arm Series 4 Configurations



87799190

G

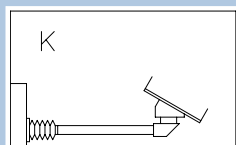
Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Set-up joint	1	CCS5SJLG	CCS6SJLG	CCS8SJLG	CCS14SJLG
Flange elbow coupling	1	CCS5FECLG	CCS6FECLG	CCS8FECLG	CCS14FECLG



87799191

H and I

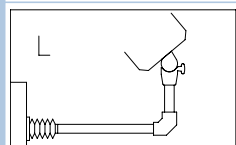
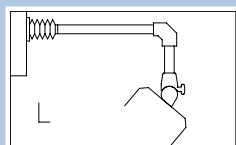
Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG	CCS6WJRLG	CCS8WJRLG	CCS14WJRLG
Flange elbow coupling	1	CCS5FECLG	CCS6FECLG	CCS8FECLG	CCS14FECLG



87799192

K

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG	CCS6WJRLG	CCS8WJRLG	CCS14WJRLG
Flange elbow coupling	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
Angle adapter 15° or Angle adapter 30°	1	CCS568AA15LG	CCS568AA15LG	CCS568AA15LG	CCS14AA15LG
	1	CCS568AA30LG	CCS568AA30LG	CCS568AA30LG	—



87799193

L

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG	CCS6WJRLG	CCS8WJRLG	—
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	—
Swivel tilt ^a	1	CCS5STBLG	CCS6STBLG	CCS8STBLG	—

^aMaximum load for overhead applications is 110 lbs. (50kg) including enclosure.

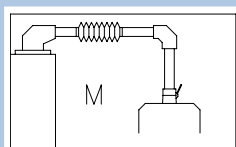
Note to the Specifier:

1. Select pendant system sizing using the COMPACT Series 4 load capacity chart.
2. Tube catalog numbers are not included in configuration tables.

COMPACT® Pendant Arm Series 4 Configurations

Bulletin
CS4

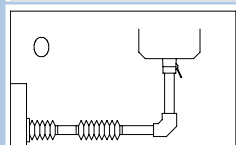
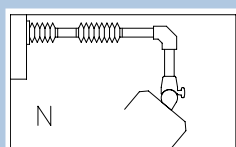
M



87799194

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Set-up joint	1	CCS5SJLG	CCS6SJLG	CCS8SJLG	CCS14SJLG
Intermediate joint	1	CCS5JRLG	CCS6JRLG	CCS8JRLG	CCS14JRLG
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling or Swivel tilt	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
	1	CCS5STBLG	CCS6STBLG	CCS8STBLG	—

N and O

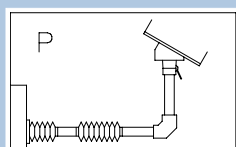


87799195

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG	CCS6WJRLG	CCS8WJRLG	CCS14WJRLG
	1	CCS5WJCRLG	CCS6WJCRLG	CCS8WJCRLG	—
Intermediate joint	1	CCS5JRLG	CCS6JRLG	CCS8JRLG	CCS14JRLG
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling or Swivel tilt ^a	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
	1	CCS5STBLG	CCS6STBLG	CCS8STBLG	—

^aMaximum load for overhead applications is 110 lbs. (50kg) including enclosure.

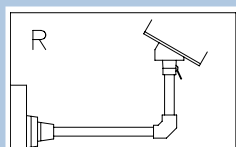
P



87799196

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG	CCS6WJRLG	CCS8WJRLG	CCS14WJRLG
	1	CCS5WJCRLG	CCS6WJCRLG	CCS8WJCRLG	—
Intermediate joint	1	CCS5JRLG	CCS6JRLG	CCS8JRLG	CCS14JRLG
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
Angle adapter 15° or Angle adapter 30°	1	CCS568AA15LG	CCS568AA15LG	CCS568AA15LG	CCS14AA15LG
	1	CCS568AA30LG	CCS568AA30LG	CCS568AA30LG	—

R



87799197

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall flange	1	CCS5WFLG	CCS6WFLG	CCS8WFLG	CCS14WFLG
Elbow	1	CCS5ELLG	CCS6ELLG	CCS8ELLG	CCS14ELLG
Flange coupling	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
Angle adapter 15° or Angle adapter 30°	1	CCS568AA15LG	CCS568AA15LG	CCS568AA15LG	CCS14AA15LG
	1	CCS568AA30LG	CCS568AA30LG	CCS568AA30LG	—

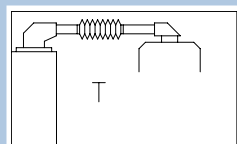
COMPACT® Pendant Arm Series 4 Configurations



87799198

S

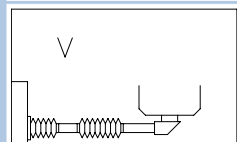
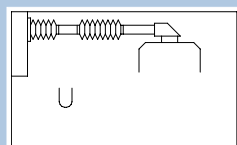
Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Base bracket	1	CCS5BBLG	CCS6BBLG	CCS8BBLG	CCS14BBLG
Flange coupling	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
Angle adapter 15° or Angle adapter 30°	1	CCS568AA15LG CCS568AA30LG	CCS568AA15LG CCS568AA30LG	CCS568AA15LG CCS568AA30LG	CCS14AA15LG —



87799199

T

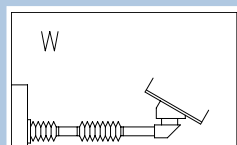
Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Set-up joint	1	CCS5SJLG	CCS6SJLG	CCS8SJLG	CCS14SJLG
Intermediate joint	1	CCS5IJRLG	CCS6IJRLG	CCS8IJRLG	CCS14IJRLG
Flange elbow coupling	1	CCS5FECLG	CCS6FECLG	CCS8FECLG	CCS14FECLG



87799200

U and V

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG CCS5WJCRLG	CCS6WJRLG CCS6WJCRLG	CCS8WJRLG CCS8WJCRLG	CCS14WJRLG —
Intermediate joint	1	CCS5IJRLG	CCS6IJRLG	CCS8IJRLG	CCS14IJRLG
Flange elbow coupling	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG



C2803-C

W

Description	Qty	Catalog Number			
		(System 50)	(System 60)	(System 80)	(System 80/140)
Wall joint or Cable wall joint	1	CCS5WJRLG CCS5WJCRLG	CCS6WJRLG CCS6WJCRLG	CCS8WJRLG CCS8WJCRLG	CCS14WJRLG —
Intermediate joint	1	CCS5IJRLG	CCS6IJRLG	CCS8IJRLG	CCS14IJRLG
Flange elbow coupling	1	CCS5FCLG	CCS6FCLG	CCS8FCLG	CCS14FCLG
Angle adapter 15° or Angle adapter 30°	1	CCS568AA15LG CCS568AA30LG	CCS568AA15LG CCS568AA30LG	CCS568AA15LG CCS568AA30LG	CCS14AA15LG —

Note to the Specifier:

1. Select pendant system sizing using the COMPACT Series 4 load capacity chart.
2. Tube catalog numbers are not included in configuration tables.

Stainless Steel Operator Interface Enclosures and Pendant Arms



Application

These stainless steel front-door control enclosures are particularly well-suited for suspending process and control equipment in the food and pharmaceutical industries, where ease of cleaning and corrosion resistance are particularly important.

Designed for use with the CS480 and CS600 stainless steel pendant arm systems.

Construction

- Enclosure constructed of 1.5 mm Type 304 stainless steel
- Front door constructed of 1.5 mm Type 304 stainless steel
- Gaskets are polyurethane foam
- Front door hinged on side
- Foamed gaskets
- Facilities for installing mounting plates
- Stainless steel safety latch mounted at side, away from protected space

Industry Standards

UL 508A, File No. E61997: Type 4, 4X, 12

cUL CSA C22.2 No. 94, File No. E61997: Type 4, 4X, 12

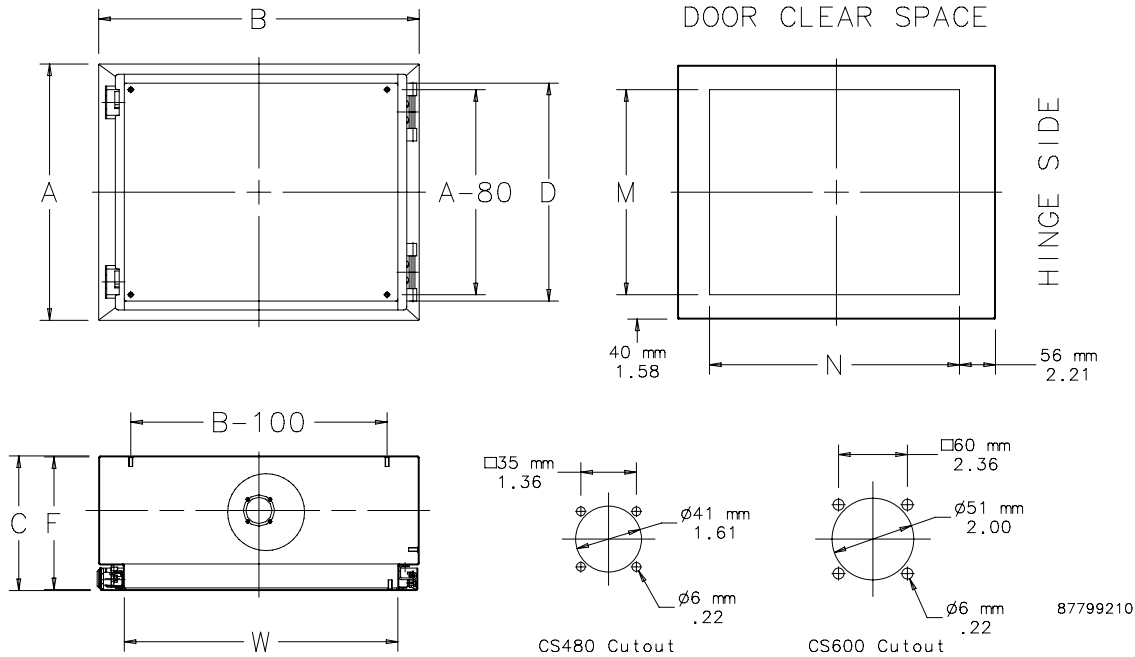
IEC 60529, IP66

Catalog Number	Pendant Cutout	Weight (lb)	Weight (kg)
CCC48S302513	CS480	14	6.4
CCC48S303513	CS480	14	6.4
CCC48S354016	CS480	16	7.3
CCC48S404016	CS480	20	9.1
CCC48S405021	CS480	26	11.8
CCC48S455521	CS480	28	12.7
CCC48S505521	CS480	30	13.6
CCC48S605521	CS480	32	14.5
CCC60S354016	CS600	16	7.3
CCC60S404016	CS600	20	9.1
CCC60S405021	CS600	26	11.8
CCC60S455521	CS600	28	12.7
CCC60S505521	CS600	30	13.6
CCC60S605521	CS600	32	14.5
CCC60S605530	CS600	36	16.3

Standard Sizes CS480/CS600 Stainless Steel Operator Interface Enclosures

Catalog Number	A x B x C mm (in.)	Use with Pendant Arm System	D mm (in.)	W mm (in.)	F mm (in.)	Door Clear Space M x N mm (in.)	Mounting Plate Catalog Number
CCC48S302513	300 x 250 x 130 (11.81 x 9.84 x 5.12)	CS480	240 (9.45)	177 (6.96)	125 (4.90)	220 x 140 (8.66 x 5.51)	CCCP3025
CCC48S303513	300 x 350 x 130 (11.81 x 13.78 x 5.12)	CS480	240 (9.45)	277 (10.86)	125 (4.90)	220 x 240 (8.66 x 9.45)	CCCP3035
CCC48S354016	350 x 400 x 160 (13.78 x 15.75 x 6.30)	CS480	290 (11.42)	327 (12.86)	155 (6.08)	270 x 290 (10.63 x 11.42)	CCCP3540
CCC60S354016	350 x 400 x 160 (13.78 x 15.75 x 6.30)	CS600	290 (11.42)	327 (12.86)	155 (6.08)	270 x 290 (10.63 x 11.42)	CCCP3540
CCC48S404016	400 x 400 x 160 (15.75 x 15.75 x 6.30)	CS480	340 (13.39)	327 (12.86)	155 (6.08)	320 x 290 (12.59 x 11.42)	CCCP4040
CCC60S404016	400 x 400 x 160 (15.75 x 15.75 x 6.30)	CS600	340 (13.39)	327 (12.86)	155 (6.08)	320 x 290 (12.59 x 11.42)	CCCP4040
CCC48S405021	400 x 500 x 210 (15.75 x 19.69 x 8.27)	CS480	340 (13.39)	427 (16.80)	205 (8.05)	320 x 390 (12.59 x 15.35)	CCCP4050
CCC60S405021	400 x 500 x 210 (15.75 x 19.69 x 8.27)	CS600	340 (13.39)	427 (16.80)	205 (8.05)	320 x 390 (12.59 x 15.35)	CCCP4050
CCC48S455521	450 x 500 x 210 (17.72 x 19.69 x 8.27)	CS480	390 (15.35)	477 (18.77)	205 (8.05)	370 x 440 (14.57 x 17.32)	CCCP4555
CCC60S455521	450 x 500 x 210 (17.72 x 19.69 x 8.27)	CS600	390 (15.35)	477 (18.77)	205 (8.05)	370 x 440 (14.57 x 17.32)	CCCP4555
CCC48S505521	500 x 550 x 210 (19.69 x 21.65 x 8.27)	CS480	440 (17.32)	477 (18.77)	205 (8.05)	420 x 440 (16.54 x 17.32)	CCCP5055
CCC60S505521	500 x 550 x 210 (19.69 x 21.65 x 8.27)	CS600	440 (17.32)	477 (18.77)	205 (8.05)	420 x 440 (16.54 x 17.32)	CCCP5055
CCC48S605521	600 x 550 x 210 (23.62 x 21.65 x 8.27)	CS480	540 (21.26)	477 (18.77)	205 (8.05)	520 x 440 (20.47 x 17.32)	CCCP6055
CCC60S605521	600 x 550 x 210 (23.62 x 21.65 x 8.27)	CS600	540 (21.26)	477 (18.77)	205 (8.05)	520 x 440 (20.47 x 17.32)	CCCP6055
CCC60S605530	600 x 550 x 300 (23.62 x 21.65 x 11.81)	CS600	540 (21.26)	477 (18.77)	295 (11.60)	520 x 440 (20.47 x 17.32)	CCCP6055

Stainless Steel Operator Interface Enclosures and Pendant Arms

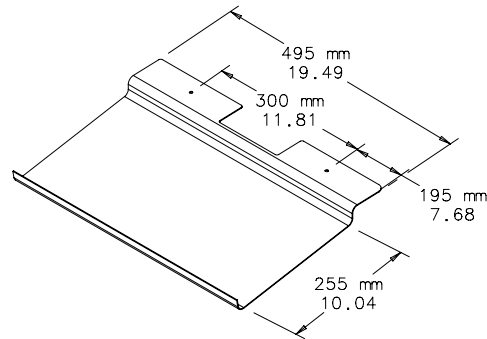


Keyboard Shelf



Shelf is for 350mm and wider enclosures; in stainless steel. 10° slope. Mounting hardware included. Enclosure machining required.

Catalog Number	Description	Weight (lb)
CCSSKBT	Keyboard shelf	4.9



87746342

Mounting Plate

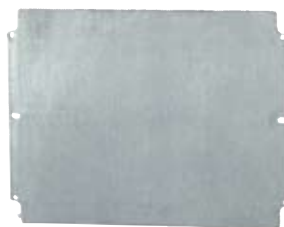


Plate is for mounting equipment on the rear panel. Made of 3mm plated steel. Mounted using pins on the rear panel.

Catalog Number	Height (mm)	Height (in.)	Width (mm)	Width (in.)	Weight (lb)
CCCP3025	230	9.06	170	6.69	2.0
CCCP3035	230	9.06	270	10.63	2.0
CCCP3540	280	11.02	320	12.60	3.0
CCCP4040	330	12.99	320	12.60	3.0
CCCP4050	330	12.99	420	16.54	4.0
CCCP4555	380	14.96	480	18.90	5.0
CCCP5055	430	16.93	470	18.50	6.0
CCCP6055	530	20.87	470	18.50	7.0

Handles



Handles are in stainless steel for mounting on enclosure sides. Mounting hardware included. Enclosure machining required.

Catalog Number	Description	Weight (lb)
CCSSHDL	Handles for CC480/600 enclosures	5.0

CS480 Stainless Steel Pendant Arm System



Fitting with Cover Removed

Application

The CS480 Stainless Steel Pendant Arm System is particularly well suited for suspending process and control equipment in the food and pharmaceutical industries, where ease of cleaning and corrosion resistance are particularly important.

Swivel brackets allow the equipment to swing out for use and to move out of the way when not needed.

A variety of preformed straight and angled tubing and fittings is available to meet the requirements of many different applications. Brackets are available for wall or machine and floor mounting.

The wide variety of components permits a high level of flexibility in configuring the system. See the System Combinations Drawings for some possible combinations.

This system is rated for loads as shown in the Load Capacity chart. For heavier equipment, see the CS600 section.

- 90-degree fittings have a removable cover that allows easy access for wiring
- The coupling hole geometry for enclosure machining are shown in the Coupling Hole Geometry diagram

Materials and Finish

Tubing: Type 304 polished stainless steel

Fittings: Type 304 polished stainless steel

NOTE: Brushed stainless steel shown.

Industry Standards

IEC 60529, IP66

Construction

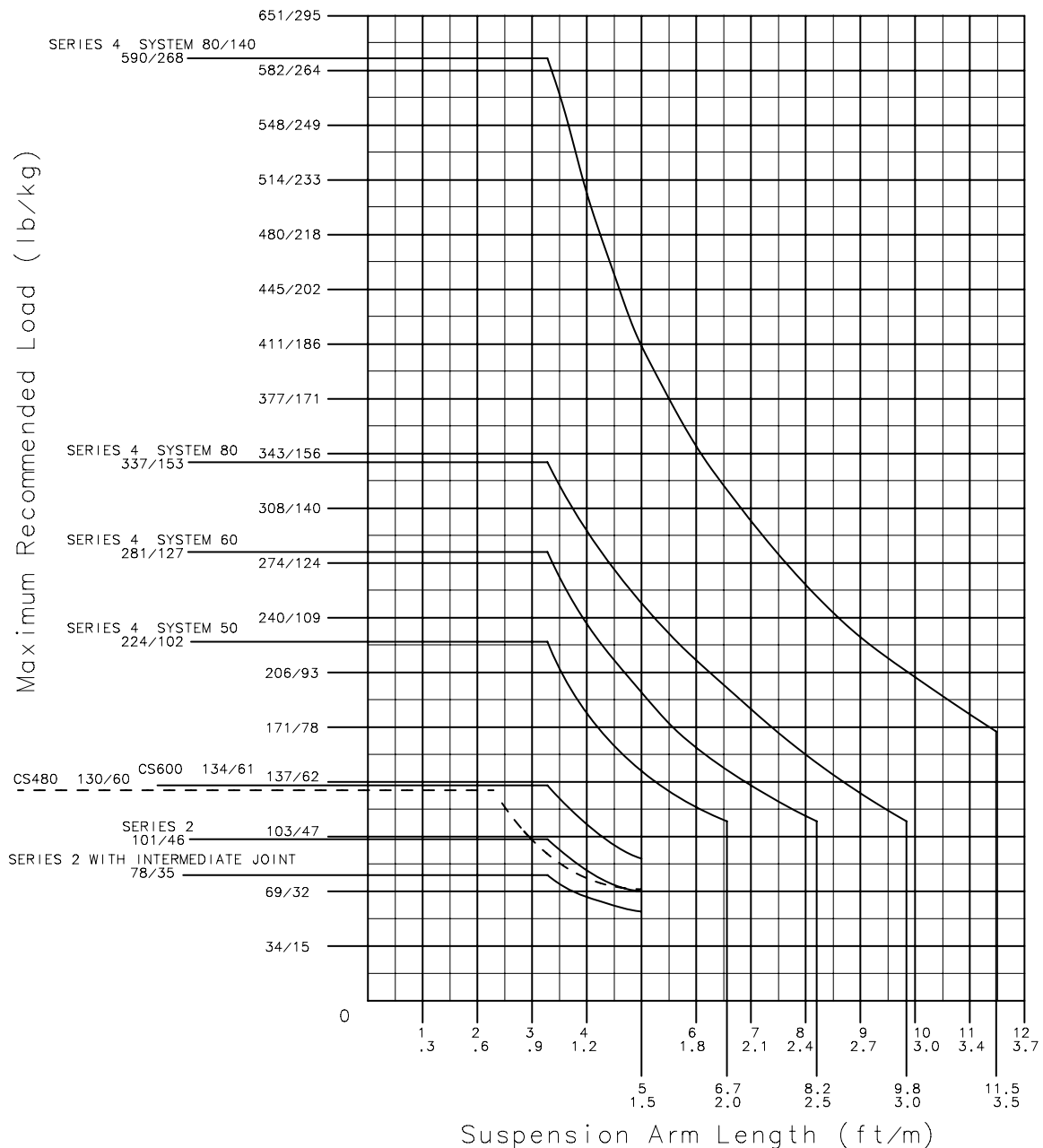
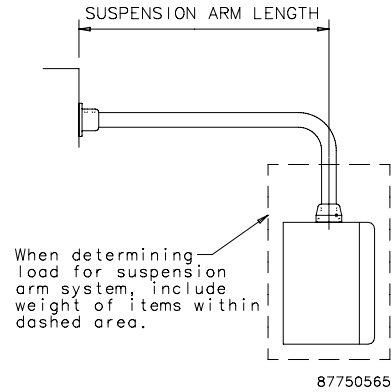
- Tubing clamps into position with setscrews for easy assembly and smooth appearance
- Load capacity 400 N (89.6 lb) at 1m (39.37 in.). See Load Capacity chart for details.
- Fixed or swivel mounting, straight or at a 15-degree angle

CS480 Stainless Steel Pendant Arm System

System Load Capacity

The load capacity of the CS480 pendant arm system is shown in the chart and diagram. Choose the CS600 system for larger loads.

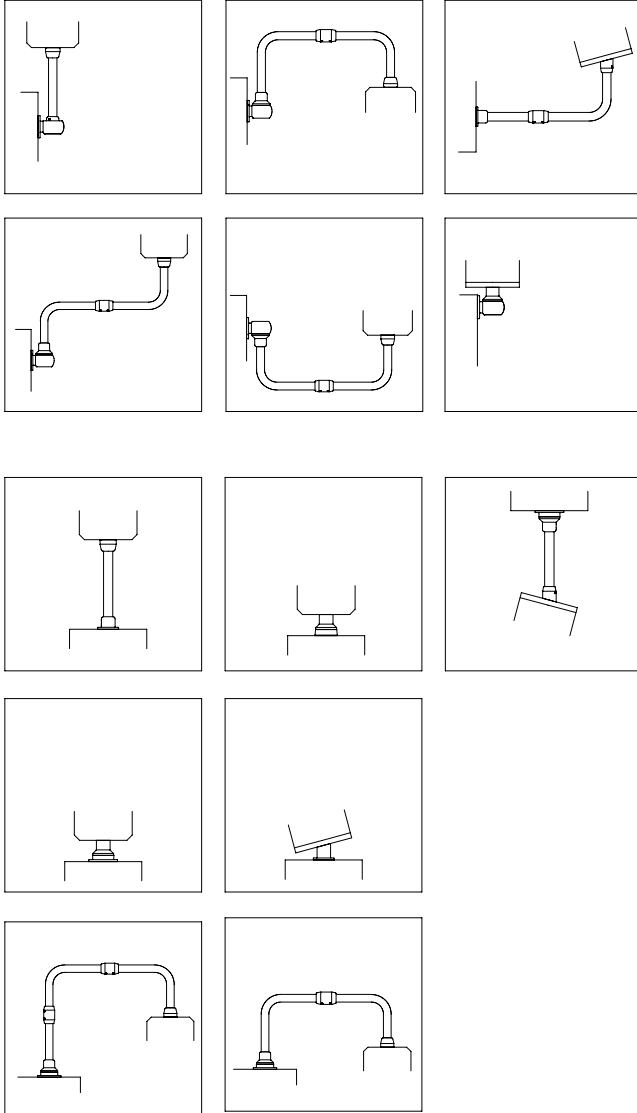
Load Diagram



CS480 Stainless Steel Pendant Arm System

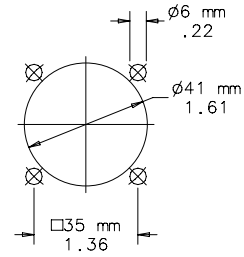
System Combinations

The wide variety of components permits a high level of flexibility in configuring the system. Some possible combinations are shown below.



87746344

Coupling Hole Geometry for Enclosure Machining



87746343

CS480 Stainless Steel Pendant Arm System

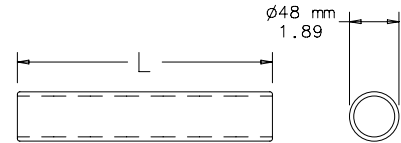
**Bulletin
CCR6**

Straight Tubing



Straight tubing has an outer diameter of 48.3mm (1.90 in.) and is made from 3.6mm wall thickness Type 304 polished stainless steel.

Catalog Number	L (mm)	L (in.)	Weight (kg)	Weight (lb)
CCSS48T25	250	9.84	1.13	2.5
CCSS48T50	500	19.69	2.13	4.7
CCSS48T75	750	29.53	3.18	7.0
CCSS48T100	1000	39.37	4.40	9.7
CCSS48T125	1250	49.21	5.44	12.0
CCSS48T150	1500	59.06	6.67	14.7



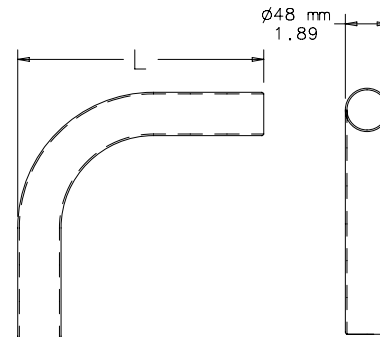
87799211

L-Shaped Tubing



L-shaped tubing has an outer diameter of 48.3mm (1.90 in.) and is made from 3.6mm-thick Type 304 polished stainless steel. It is used with coupling sleeves and straight tubing to provide the desired system configuration.

Catalog Number	L (mm)	L (in.)	Weight (kg)	Weight (lb)
CCSS48TLB25	250 x 250	9.84 x 9.84	2.4	5.3
CCSS48TLB50	500 x 500	19.69 x 19.69	4.76	10.5



87799212

**Operator Interface
Enclosure Systems**

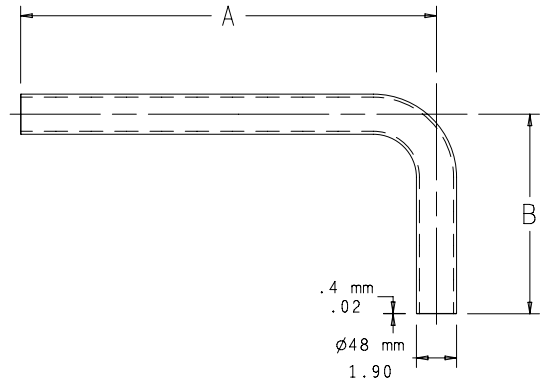
CS480 Stainless Steel Pendant Arm System

L-Shaped Stainless Steel Pendant Tubes



L-shaped pendant tubes are made of Type 304 stainless steel with an outer diameter of 48mm (1.90 in.) and have a smooth finish. For use in conjunction with CS480 stainless steel pendant fittings. Use of these tubes does not compromise the enclosure rating.

Catalog Number	A (mm)	A (in.)	B (mm)	B (in.)	Wt. (kg)	Wt. (lb)
CCSSTL5024	500	19.69	240	9.45	2.6	5.7
CCSSTL10050	1000	39.37	500	19.69	5.4	11.9

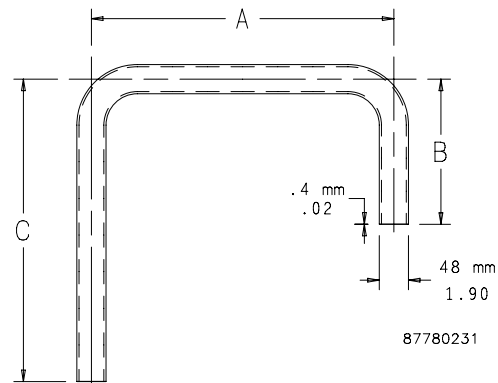


U-Shaped Stainless Steel Pendant Tubes



U-shaped pendant tubes are made of Type 304 stainless steel with an outer diameter of 48mm (1.90 in.) and have a smooth finish. For use in conjunction with CS480 stainless steel pendant fittings. Use of these tubes does not compromise the enclosure rating.

Catalog Number	A x B x C mm (in.)	Weight (kg)	Weight (lb)
CCSSTU502450	500 x 240 x 500 (19.69 x 9.45 x 19.69)	4.5	9.9
CCSSTU802480	1000 x 500 x 800 (39.37 x 19.69 x 31.50)	6.7	14.8



CS480 Stainless Steel Pendant Arm System

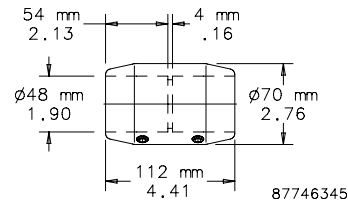
Coupling Sleeve



The coupling sleeve joins sections of tubing in the CS480 system. Type 304 polished stainless steel finish. Includes gaskets.



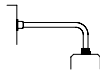
Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48CS	CS480 system coupling sleeve	1.4	3.5



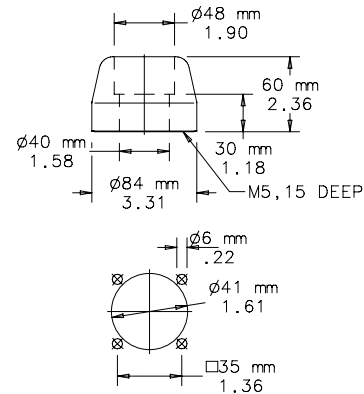
Straight Coupling



Flange coupling for attaching enclosures. Turns through 340° with rotation limiter. Preset torque. Maintenance-free bearings. Type 304 polished stainless steel finish. Includes gaskets and mounting hardware.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48FC	Straight coupling for enclosure	1.4	3.5



NOTE: Recommended mounting hole size shown.

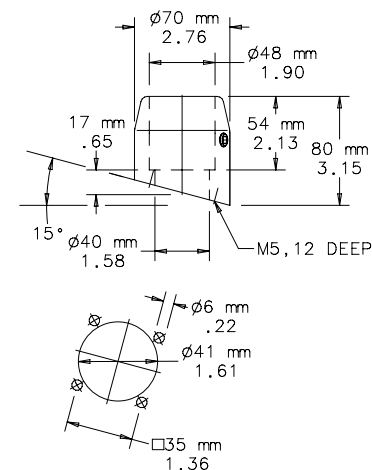
Angle Coupling



Rigid flange coupling with 15° angle of inclination for attaching enclosures. Type 304 polished stainless steel finish. Includes gaskets and mounting hardware.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48AC15	Angle coupling for enclosures	1.0	2.0



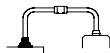
NOTE: Recommended mounting hole size shown.

CS480 Stainless Steel Pendant Arm System

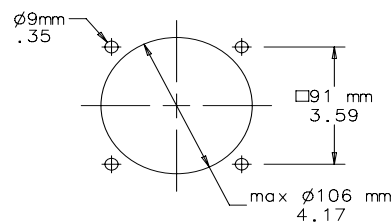
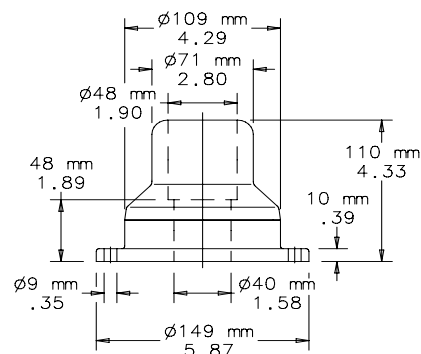
Swivel Base for External Attachment



Swivel base for mounting to machine or floor. Turns through 340° with rotation limiter. Preset torque. Maintenance-free bearings. Type 304 polished stainless steel finish. Includes gaskets. Base-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48BBRE	Swivel base, external	4.2	9.5



87799217

NOTE: Recommended mounting hole size shown.

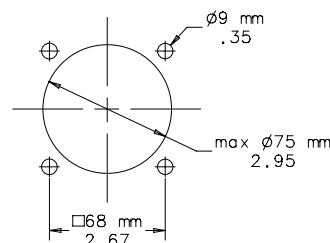
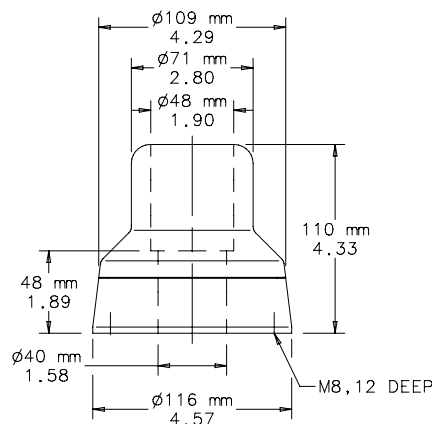
Swivel Base for Internal Mounting



Swivel base for mounting to machine or floor. Turns through 340° with rotation limiter. Preset torque. Maintenance-free bearings. Type 304 polished stainless steel finish. Includes gaskets. Base-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48BBRI	Swivel base, internal	4.2	9.5



87746348

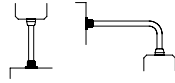
NOTE: Recommended mounting hole size shown.

CS480 Stainless Steel Pendant Arm System

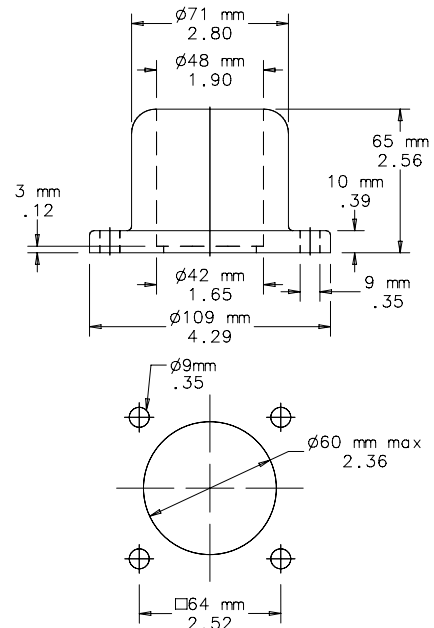
Base Bracket/Wall Flange



Use as base bracket or wall flange to mount to vertical or horizontal surfaces. Type 304 polished stainless steel finish. Includes gaskets. Base-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48BB	Base bracket/wall flange	1.4	3.5



87799220

NOTE: Recommended mounting hole size shown.

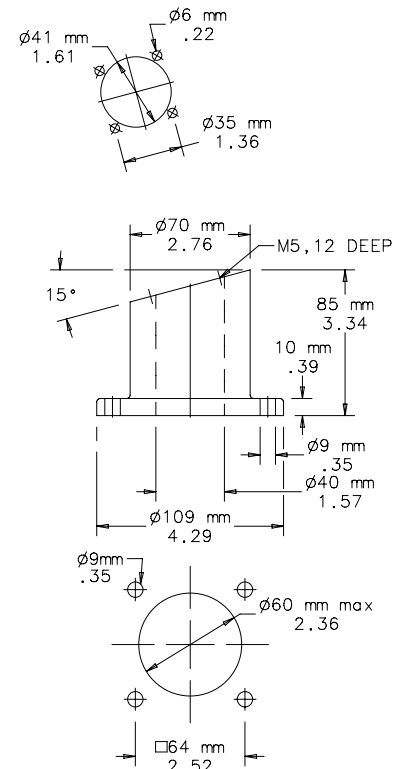
Base Bracket Angle Coupling



Rigid 15° coupling for direct mounting of enclosures to horizontal and vertical surfaces. Type 304 polished stainless steel finish. Includes gaskets and enclosure mounting hardware. Base-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48ACBB	Base bracket angle coupling	1.9	4.5



87746349

NOTE: Recommended mounting hole size shown.

CS480 Stainless Steel Pendant Arm System

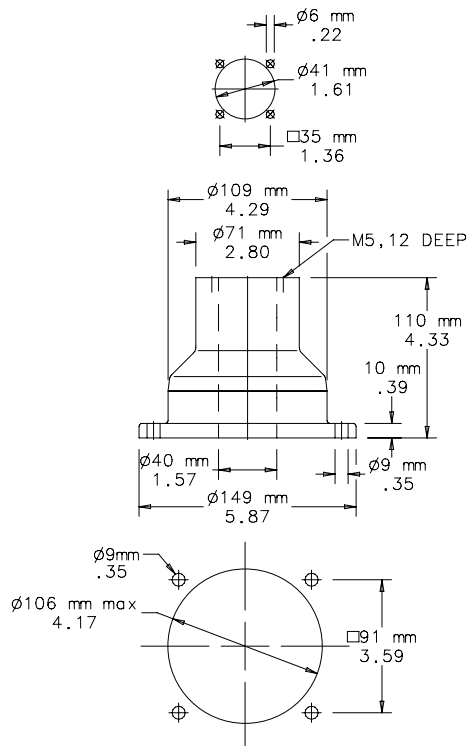
Swivel Base External Bracket Coupling



Swivel base external bracket coupling for mounting enclosures directly to a machine or the floor. Turns through 340 degrees with rotation limiter. Preset torque. Maintenance-free bearings. Type 304 polished stainless steel finish. Includes gaskets and enclosure mounting hardware. Base-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48BBCRE	Swivel base external bracket coupling	4.5	9.92



87799229

NOTE: Recommended mounting hole size shown.

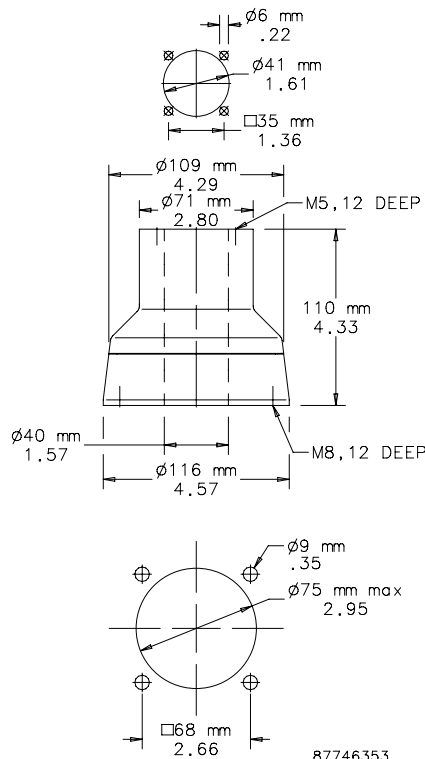
Swivel Base Internal Bracket Coupling



Swivel base internal bracket coupling for directly mounting enclosures to a machine or the floor. Turns through 340 degrees with rotation limiter. Preset torque. Maintenance-free bearings. Type 304 polished stainless steel finish. Includes gaskets and enclosure mounting hardware. Base-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48BBCRI	Swivel base internal bracket coupling	4.1	9.03



87746353

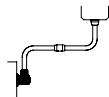
NOTE: Recommended mounting hole size shown.

CS480 Stainless Steel Pendant Arm System

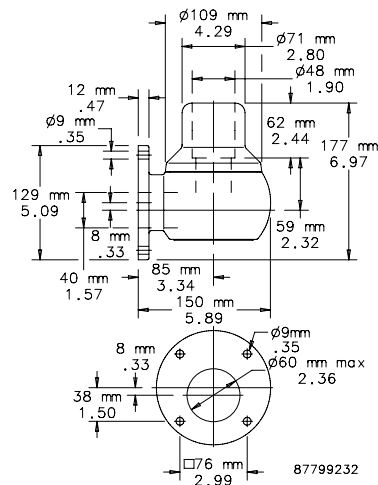
Wall Joint



Wall joint with vertical socket for mounting to vertical surfaces. Cover to facilitate wiring. Turns through 340° with rotation limiter. Preset torque. Maintenance-free bearings. Type 304 polished stainless steel finish. Includes gaskets. Wall-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48WJV	Wall joint, verticle mount	7.3	16.09



NOTE: Recommended mounting hole size shown.

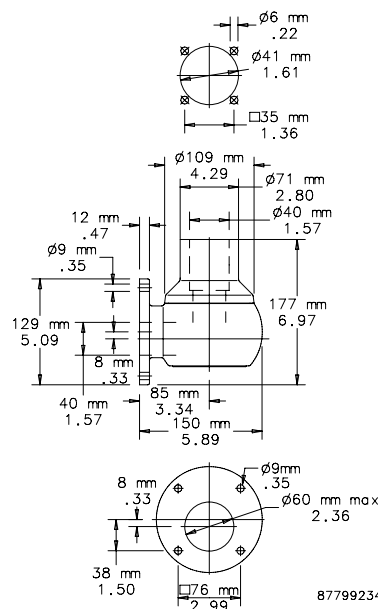
Wall Coupling



Swivel wall coupling for direct mounting of enclosure to vertical machine surfaces. Turns through 340° with rotation limiter. Cover to facilitate wiring. Preset torque. Maintenance-free bearings. Type 304 polished stainless steel finish. Includes gaskets and enclosure mounting hardware. Wall-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48WJC	Wall coupling, vertical mount	7.3	16.09



NOTE: Recommended mounting hole size shown.

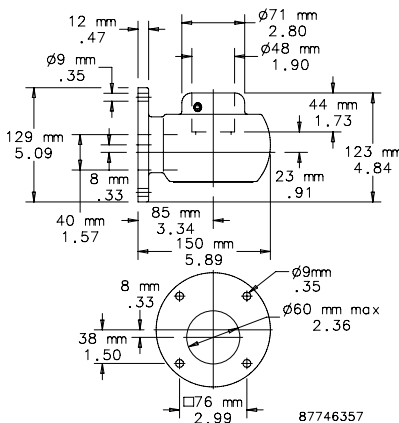
Wall Bracket



Wall bracket with vertical socket for attachment to vertical surfaces. Cover to facilitate wiring. Type 304 polished stainless steel finish. Includes gaskets. Wall-mounting fasteners not included.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSS48WJRV	Wall bracket	7.7	16.25



NOTE: Recommended mounting hole size shown.

CS600 Stainless Steel Pendant Arm System



Fitting with Cover Removed



Application

The CS600 Stainless Steel Pendant Arm System is particularly well suited for suspending process and control equipment in the food and pharmaceutical industries, where ease of cleaning and corrosion resistance are particularly important.

Swivel brackets allow the equipment to swing out for use and to move out of the way when not needed.

Preformed straight tubing and a variety of fittings are available to meet the requirements of many different applications. Brackets are available for wall or machine and floor mounting.

Different fittings offer different amounts of space for cables and leads. See the Cable Entry Space Dimension Drawing, which shows the dimensions at the narrowest point inside each fitting.

The wide variety of components permits a high level of flexibility in configuring the system. See the System Combinations Application Drawing for some possible combinations.

This system is rated for loads shown in the Load Diagram. See the CS480 section for smaller loads.

Construction

- Tubing clamps into position for easy assembly and smooth appearance
- No external screws to trap dirt.
- Load capacity 600 N (134.89 lbf) at 1m (39.37 in.). See Load Capacity chart for details.
- Fixed or swivel mounting, straight or at a 15-degree angle
- 90-degree fittings have a removable cover that allows easy access for wiring
- Anti-vibration capability

Finish

Tubing: Type 304 Stainless Steel

Fittings: Type 304 Stainless Steel

Industry Standards

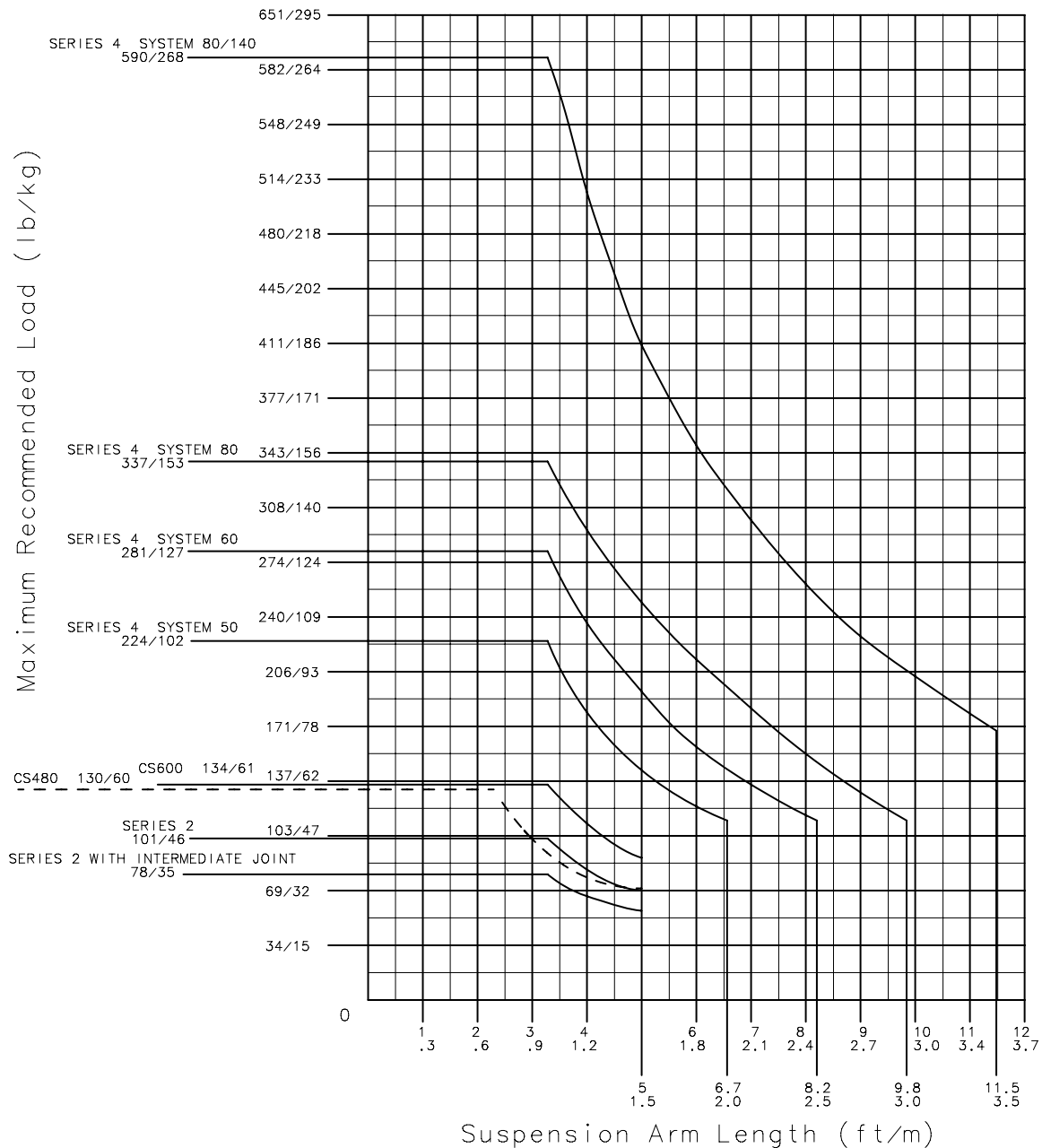
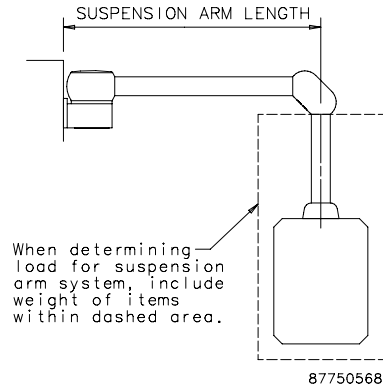
IEC 60529, IP66

CS600 Stainless Steel Pendant Arm System

Load Capacity

The load capacity of the CS600 pendant arm system is shown in the chart and diagram. Choose the CS480 system for larger loads.

Load Diagram

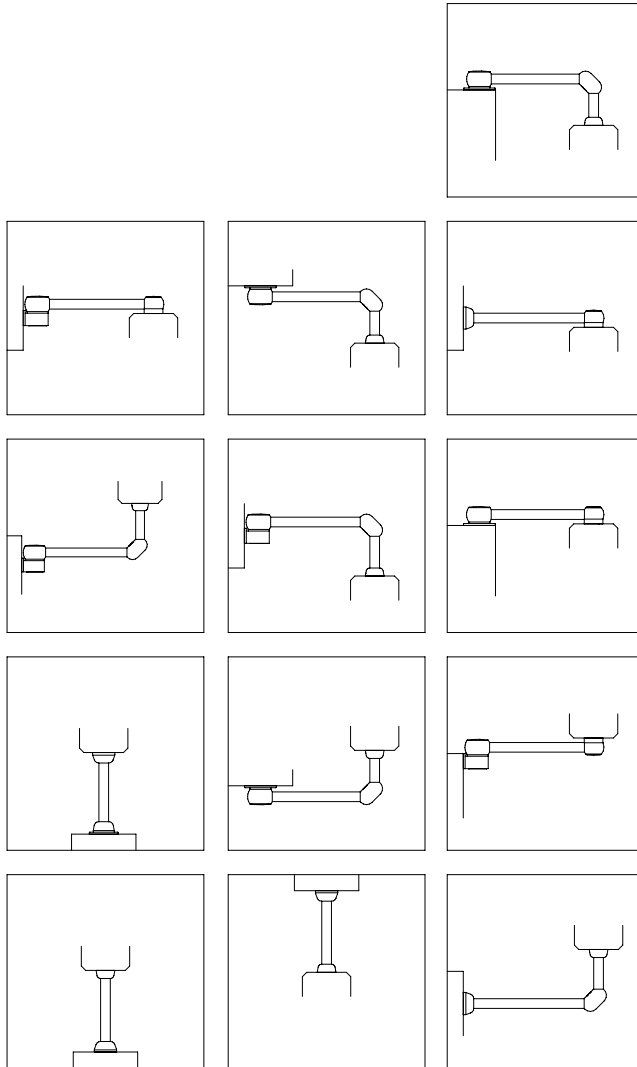


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CS600 Stainless Steel Pendant Arm System

System Combinations

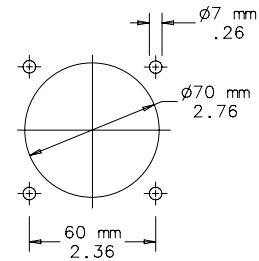
The wide variety of components permits a high level of flexibility in configuring the system. Some possible combinations are shown below.



87746360

Coupling Hole Geometry for Enclosure Machining

The coupling hole geometries for enclosure machining are shown in the Coupling Hole diagram.

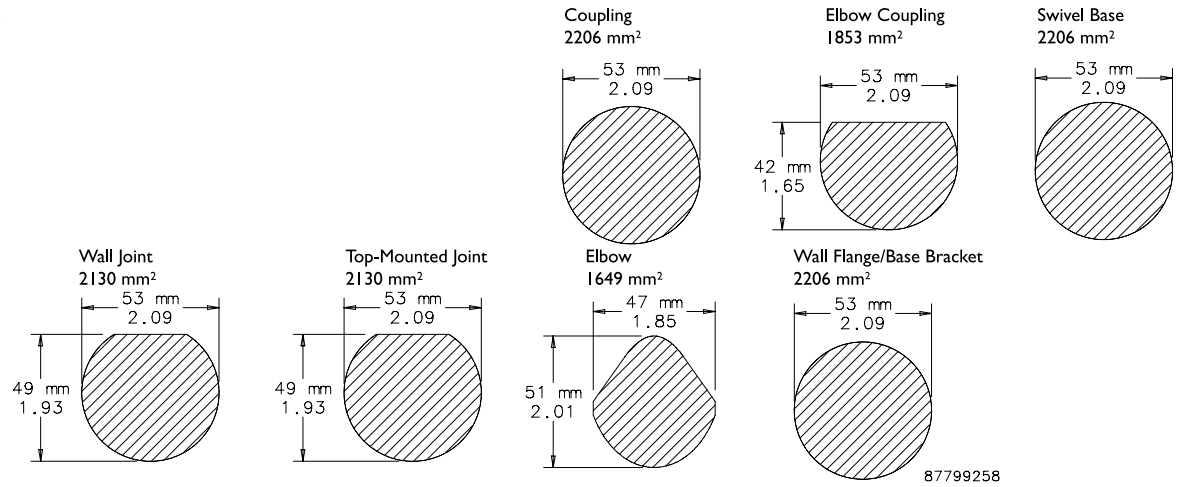


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CS600 Stainless Steel Pendant Arm System

Cable Entry Space

Different fittings offer different amounts of space for cables and leads. These diagrams show the dimensions at the narrowest point inside each fitting.

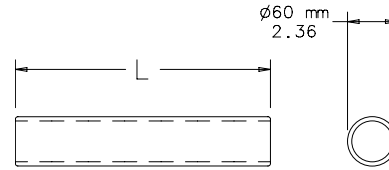


CS600 Stainless Steel Pendant Arm System

Tubing



Tubes have 60.3mm (2.37 in.) outer diameter and are made from 3.6mm wall thickness stainless steel.



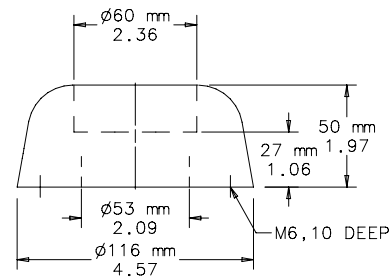
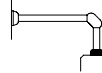
87799239

Catalog Number	L (mm)	L (in.)	Weight (kg)	Weight (lb)
CCSST25	250	9.84	1.18	2.6
CCSST50	500	19.69	2.36	5.2
CCSST75	750	29.53	3.40	7.5
CCSST100	1000	39.37	4.63	10.2
CCSST125	1250	49.21	5.85	12.9
CCSST150	1500	59.06	15.3	6.94

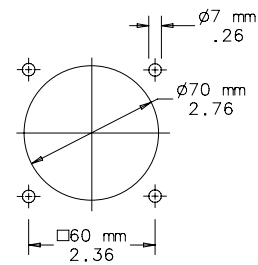
Coupling



Flange coupling for mounting enclosures. Turns through 300 degrees with rotation limiter. Preset torque. Maintenance-free bearings. Includes gaskets and mounting hardware.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSSF6	Stainless Steel	2.18	4.8



87746361

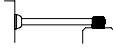
NOTE: Recommended mounting hole size shown.

CS600 Stainless Steel Pendant Arm System

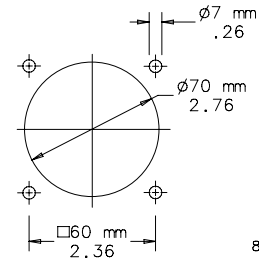
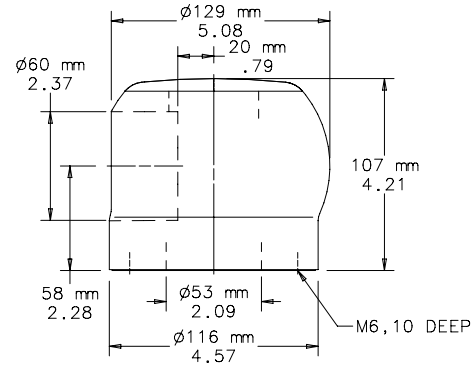
Elbow Coupling



Flange elbow coupling for attaching enclosures. Assembly aperture cover conceals screws for easier cleaning. Turns through 300 degrees with rotation limiter. Preset torque. Maintenance-free bearings. Includes gaskets and mounting hardware.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSSEC	Stainless Steel	6.49	14.3



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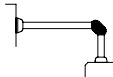
NOTE: Recommended mounting hole size shown.

Operator Interface
Enclosure Systems

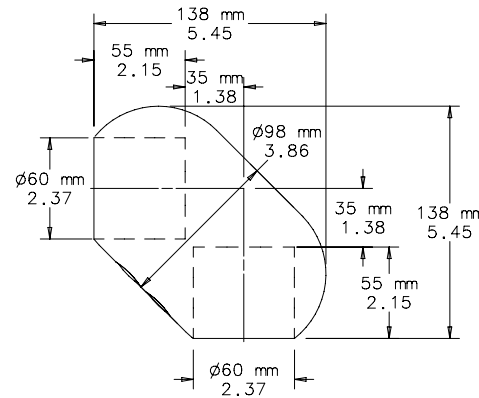
Elbow



Elbow for connecting two tubes at 90 degrees. Includes screw cover and gaskets.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSSE	Stainless Steel	4.45	9.8



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CS600 Stainless Steel Pendant Arm System

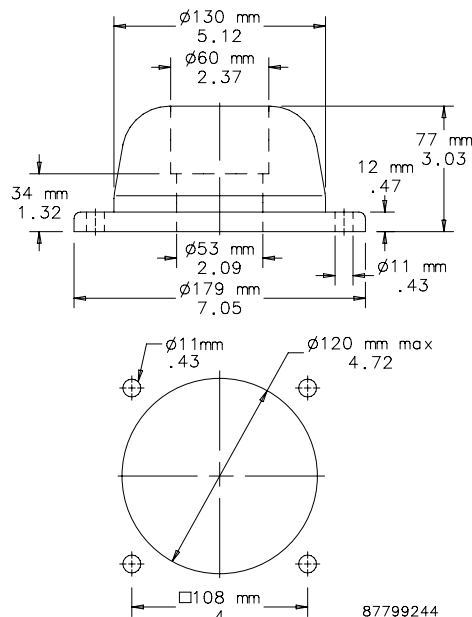
Swivel Base



Swivel base for mounting to machine or floor. Turns through 300 degrees with rotation limiter. Preset torque. Maintenance-free bearings. Includes gaskets. Wall-mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSSBBT	Stainless Steel	5.72	12.6

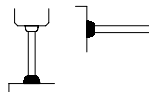


NOTE: Recommended mounting hole size shown.

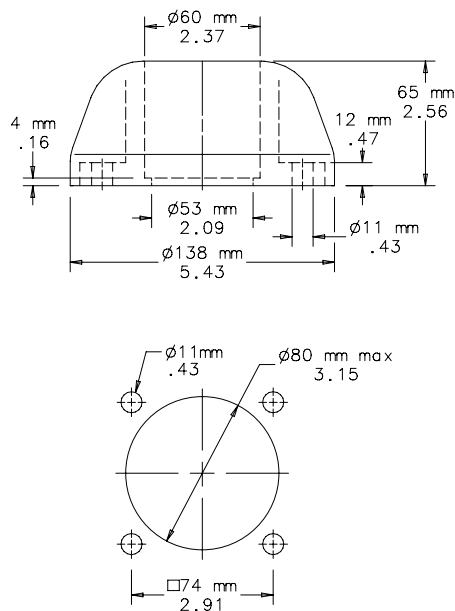
Wall Flange/Base Bracket



Wall flange or base bracket for mounting to horizontal and vertical surfaces. Includes gaskets. Wall mounting fasteners not provided.



Catalog Number	Description	Weight (kg)	Weight (lb)
CCSSWFB	Stainless Steel	3.67	8.1



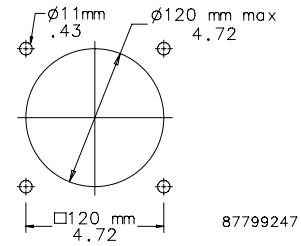
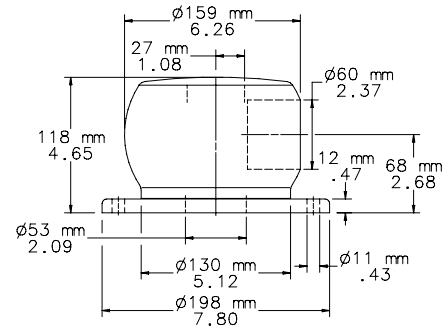
NOTE: Recommended mounting hole size shown.

CS600 Stainless Steel Pendant Arm System

Top-Mounted Joint



Top-mounted joint for mounting to horizontal surfaces. Assembly aperture cover conceals screws for easier cleaning. Turns through 300 degrees with rotation limiter. Preset torque. Maintenance-free bearings. Includes gaskets. Wall-mounting fasteners not provided.



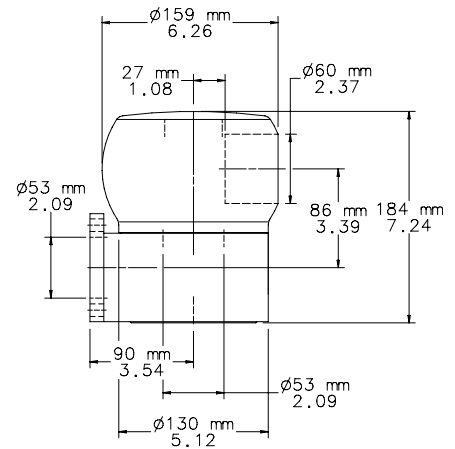
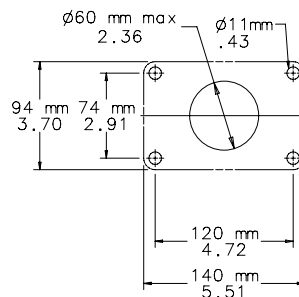
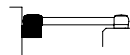
NOTE: Recommended mounting hole size shown.

Catalog Number	Description	Weight (kg)	Weight (lb)
CCSSSJ	Stainless steel	13.65	30.1

Wall Joint



Wall joint for mounting to vertical surfaces. Assembly aperture cover conceals screws for easier cleaning. Turns through 300 degrees with rotation limiter. Preset torque. Maintenance-free bearings. Includes gaskets. Wall-mounting fasteners not provided.



NOTE: Recommended mounting hole size shown.

Catalog Number	Description	Weight (kg)	Weight (lb)
CCSSWJ	Stainless steel	16.01	35.3

Consolets



Application

Designed to house a variety of electronic control or instrumentation devices, consolets provide protection from dust, dirt, oil, and water. Flexible design allows for mounting on either of two sides, creating control surfaces of 30 degrees or 60 degrees. Consolets can be mounted on desktops, pedestals, or other flat surfaces.

NOTE: See Corrosion-Resistant Enclosures for information on related stainless steel products.

Construction

- 14 gauge steel
- Seams continuously welded and ground smooth; no holes or knockouts
- Captivated cover screws thread into sealed wells
- Bonding provision on cover

- Oil-resistant gasket and adhesive
- Control panel attached with continuous hinge along bottom edge

Finish

ANSI 61 gray polyester powder paint inside and out over phosphatized surfaces.

Industry Standards

UL 508A, File Number E61997: Type 12, 13
NEMA/EEMAC Type 12, 13
CSA File Number 42186: Type 12
IEC 60529, IP65

Accessories

See Accessories chapter.

Corrosion Inhibitors

Latch Kits

Mounting Bracket Kit

Pedestals

Touch-Up Paint (ATPPY61)

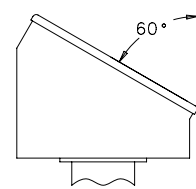
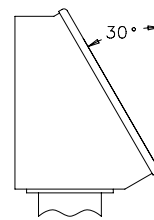
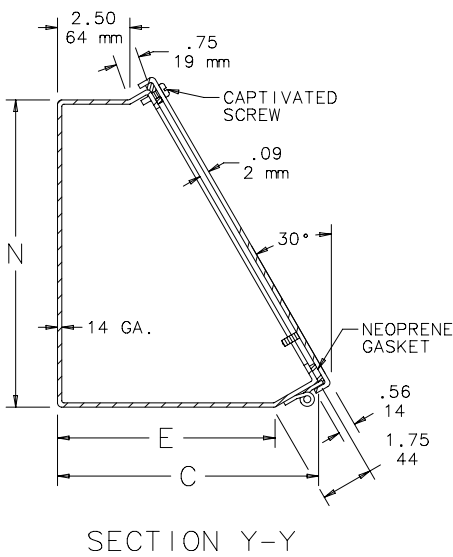
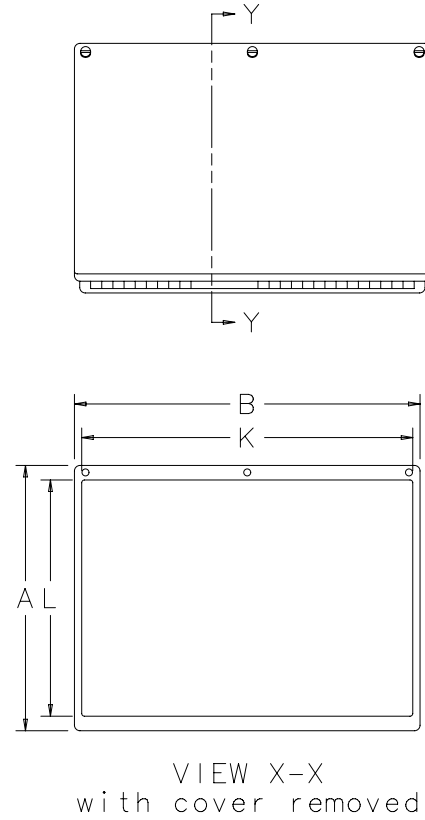
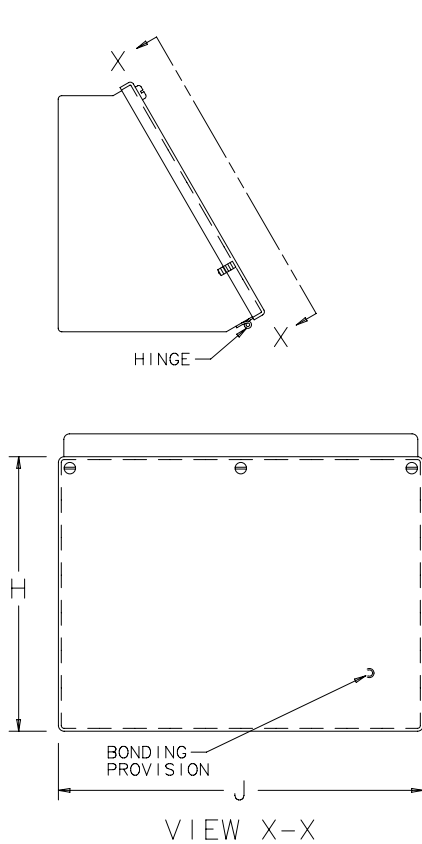
Window Kit

Standard Sizes Columns and Bases

Catalog Number	Size	Description
A44CCOL	4.00 x 4.00 (102 x 102)	Straight Pedestal Column
A66CCOL	6.00 x 6.00 (152 x 152)	Straight Pedestal Column
A18SBASE	18.00 x 18.00 (457 x 457)	Pedestal Base
A24SBASE	24.00 x 24.00 (610 x 610)	Pedestal Base

Standard Sizes Consolets

Catalog Number	A x B x C in. (mm)	E (in.)	E (mm)	H (in.)	H (mm)	J (in.)	J (mm)	K (in.)	K (mm)	L (in.)	L (mm)	N (in.)	N (mm)
C8C8	8.00 x 8.00 x 7.09 (203 x 203 x 180)	5.62	143	8.28	210	8.28	210	7.50	191	6.62	168	7.44	189
C8C12	8.00 x 12.00 x 7.09 (203 x 305 x 180)	5.62	143	8.28	210	12.28	312	11.50	292	6.62	168	7.44	189
C8C16	8.00 x 16.00 x 7.09 (203 x 406 x 180)	5.62	143	8.28	210	16.28	414	15.50	394	6.62	168	7.44	189
C8C20	8.00 x 20.00 x 7.09 (203 x 508 x 180)	5.62	143	8.28	210	20.28	515	19.50	495	6.62	168	7.44	189
C12C12	12.00 x 12.00 x 9.09 (305 x 305 x 231)	7.62	194	12.28	312	12.28	312	11.50	292	10.62	270	10.91	277
C12C16	12.00 x 16.00 x 9.09 (305 x 406 x 231)	7.62	194	12.28	312	16.28	414	15.50	394	10.62	270	10.91	277
C12C20	12.00 x 20.00 x 9.09 (305 x 508 x 231)	7.62	194	12.28	312	20.28	515	19.50	495	10.62	270	10.91	277
C12C24	12.00 x 24.00 x 9.09 (305 x 610 x 231)	7.62	194	12.28	312	24.28	617	23.50	597	10.62	270	10.91	277
C16C16	16.00 x 16.00 x 11.09 (406 x 406 x 282)	9.62	244	16.28	414	16.28	414	15.50	394	14.62	371	14.38	365
C16C20	16.00 x 20.00 x 11.09 (406 x 508 x 282)	9.62	244	16.28	414	20.28	515	19.50	495	14.62	371	14.38	365
C16C24	16.00 x 24.00 x 11.09 (406 x 610 x 282)	9.62	244	16.28	414	24.28	617	23.50	597	14.62	371	14.38	365
C16C30	16.00 x 30.00 x 11.09 (406 x 762 x 282)	9.62	244	16.28	414	30.28	769	29.50	749	14.62	371	14.38	365
C16C36	16.00 x 36.00 x 11.09 (406 x 914 x 282)	9.62	244	16.28	414	36.28	922	35.50	902	14.62	371	14.38	365
C20C20	20.00 x 20.00 x 13.09 (508 x 508 x 332)	11.62	295	20.28	515	20.28	515	18.62	473	18.62	473	17.84	453
C20C24	20.00 x 24.00 x 13.09 (508 x 610 x 332)	11.62	295	20.28	515	24.28	617	22.62	575	18.62	473	17.84	453
C20C30	20.00 x 30.00 x 13.09 (508 x 762 x 332)	11.62	295	20.28	515	30.28	769	28.62	727	18.62	473	17.84	453



C2760-C

Sloping Front 30.5mm and 22.5mm Pushbutton Enclosures



Application

Designed to hold 30.5mm or 22.5mm oil-tight pushbuttons, switches, and pilot lights where slanted control surfaces are desired. Sloping front pushbutton enclosures provide protection against dirt, dust, oil, and water.

Construction

- 14 gauge steel
- Seams continuously welded and ground smooth
- Captivated cover screws thread into sealed wells
- Grounding stud in body of enclosure
- Bonding provision on cover
- Oil-resistant gasket and adhesive

- 4-way pushbutton holes accept all brands of oiltight pushbuttons, switches, and pilot lights
- Enclosures 7.25 x 6.25 x 6.75 in. (184 x 159 x 171mm) and larger have internal detachable hinge to hold cover open during wiring, yet permit immediate removal
- Larger enclosures with standard mounting brackets removed are ideally suited for mounting on pedestals

Finish

ANSI 61 gray polyester powder paint inside and out over phosphatized surfaces.

Industry Standards

UL 508A, File Number E61997: Type I2, I3

NEMA/EEMAC Type I2, I3

CSA File Number 42186: Type I2

IEC 60529, IP65

Accessories

See Accessories chapter.

Corrosion Inhibitors

Oiltight Hole Seals

Pedestals

Tamper Resistant Screws

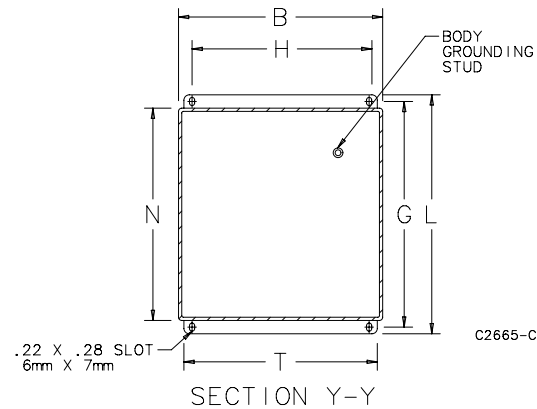
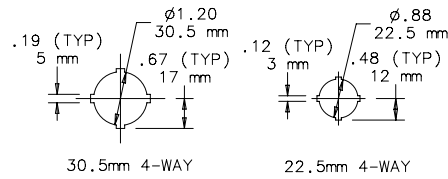
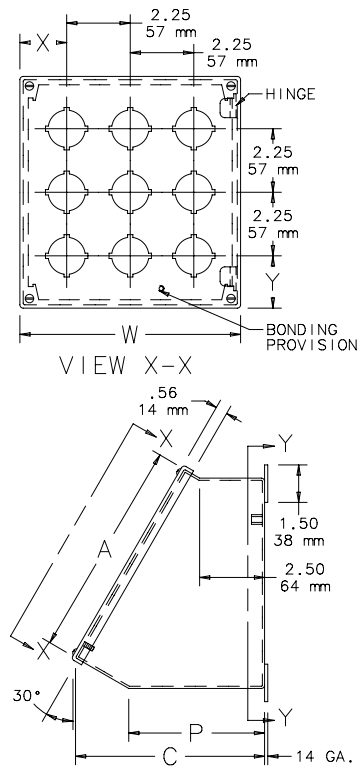
Touch-Up Paint (ATPPY61)

Standard Sizes Sloping Front 30.5mm and 22.5mm Pushbutton Enclosures with Panels

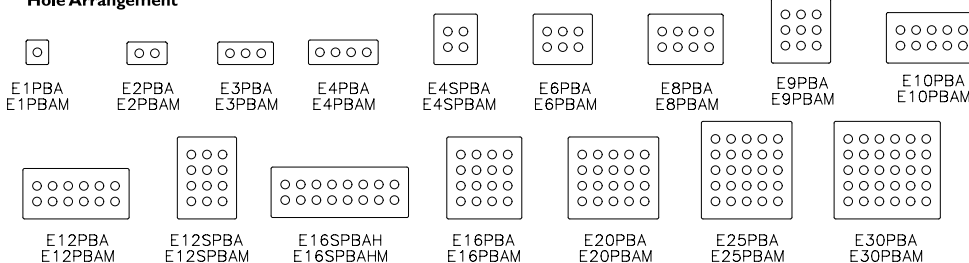
Catalog Number	A x B x C in. (mm)	Hole Size (mm)	Number of Holes	Mounting G x H in. (mm)	Overall L x W in. (mm)	N (in.)	N (mm)	P (in.)	P (mm)	T (in.)	T (mm)	X (in.)	X (mm)	Y (in.)	Y (mm)
E1PBA	3.50 x 3.25 x 4.84 (89 x 83 x 123)	30.5	1	4.03 x 2.38 (102 x 60)	4.53 x 3.47 (115 x 88)	3.53	90	3.34	85	3	76	1.73	44	1.86	47
E1PBAM	3.50 x 3.25 x 4.84 (89 x 83 x 123)	22.5	1	4.03 x 2.38 (102 x 60)	4.53 x 3.47 (115 x 88)	3.53	90	3.34	85	3	76	1.73	44	1.86	47
E2PBA	3.50 x 5.50 x 4.84 (89 x 140 x 123)	30.5	2	4.03 x 4.62 (102 x 117)	4.53 x 5.72 (115 x 145)	3.53	90	3.34	85	5.25	133	1.73	44	1.86	47
E2PBAM	3.50 x 5.50 x 4.84 (89 x 140 x 123)	22.5	2	4.03 x 4.62 (102 x 117)	4.53 x 5.72 (115 x 145)	3.53	90	3.34	85	5.25	133	1.73	44	1.86	47
E3PBA	3.50 x 7.75 x 4.84 (89 x 197 x 123)	30.5	3	4.03 x 6.88 (102 x 175)	4.53 x 7.97 (115 x 202)	3.53	90	3.34	85	7.5	191	1.73	44	1.86	47
E3PBAM	3.50 x 7.75 x 4.84 (89 x 197 x 123)	22.5	3	4.03 x 6.88 (102 x 175)	4.53 x 7.97 (115 x 202)	3.53	90	3.34	85	7.5	191	1.73	44	1.86	47
E4PBA	3.50 x 10.00 x 4.84 (89 x 254 x 123)	30.5	4	4.03 x 9.12 (102 x 232)	4.53 x 10.22 (115 x 260)	3.53	90	3.34	85	9.75	248	1.73	44	1.86	47
E4PBAM	3.50 x 10.00 x 4.84 (89 x 254 x 123)	22.5	4	4.03 x 9.12 (102 x 232)	4.53 x 10.22 (115 x 260)	3.53	90	3.34	85	9.75	248	1.73	44	1.86	47
E4SPBA	7.25 x 6.25 x 6.75 (184 x 159 x 171)	30.5	4	7.28 x 5.38 (185 x 137)	7.78 x 6.47 (198 x 164)	6.78	172	5.22	133	6	152	2.11	54	2.61	66
E4SPBAM	7.25 x 6.25 x 6.75 (184 x 159 x 171)	22.5	4	7.28 x 5.38 (185 x 137)	7.78 x 6.47 (198 x 164)	6.78	172	5.22	133	6	152	2.11	54	2.61	66
E6PBA	7.25 x 8.50 x 6.75 (184 x 216 x 171)	30.5	6	7.28 x 7.62 (185 x 194)	7.78 x 8.72 (198 x 221)	6.78	172	5.22	133	8.25	210	2.11	54	2.61	66
E6PBAM	7.25 x 8.50 x 6.75 (184 x 216 x 171)	22.5	6	7.28 x 7.62 (185 x 194)	7.78 x 8.72 (198 x 221)	6.78	172	5.22	133	8.25	210	2.11	54	2.61	66
E8PBA	7.25 x 10.75 x 6.75 (184 x 273 x 171)	30.5	8	7.28 x 9.88 (185 x 251)	7.78 x 10.97 (198 x 279)	6.78	172	5.22	133	10.5	267	2.11	54	2.61	66
E8PBAM	7.25 x 10.75 x 6.75 (184 x 273 x 171)	22.5	8	7.28 x 9.88 (185 x 251)	7.78 x 10.97 (198 x 279)	6.78	172	5.22	133	10.5	267	2.11	54	2.61	66
E9PBA	9.50 x 8.50 x 7.88 (241 x 216 x 200)	30.5	9	9.25 x 7.62 (235 x 194)	9.73 x 8.72 (247 x 221)	8.73	222	6.34	161	8.25	210	2.11	54	2.61	66
E9PBAM	9.50 x 8.50 x 7.88 (241 x 216 x 200)	22.5	9	9.25 x 7.62 (235 x 194)	9.73 x 8.72 (247 x 221)	8.73	222	6.34	161	8.25	210	2.11	54	2.61	66
E10PBA	7.25 x 13.00 x 6.75 (184 x 330 x 171)	30.5	10	7.28 x 12.12 (185 x 308)	7.78 x 13.22 (198 x 336)	6.78	172	5.22	133	12.75	324	2.11	54	2.61	66
E10PBAM	7.25 x 13.00 x 6.75 (184 x 330 x 171)	22.5	10	7.28 x 12.12 (185 x 308)	7.78 x 13.22 (198 x 336)	6.78	172	5.22	133	12.75	324	2.11	54	2.61	66
E12PBA	7.25 x 15.25 x 6.75 (184 x 387 x 171)	30.5	12	7.28 x 14.38 (185 x 365)	7.78 x 15.47 (198 x 393)	6.78	172	5.22	133	15	381	2.11	54	2.61	66
E12PBAM	7.25 x 15.25 x 6.75 (184 x 387 x 171)	22.5	12	7.28 x 14.38 (185 x 365)	7.78 x 15.47 (198 x 393)	6.78	172	5.22	133	15	381	2.11	54	2.61	66

Sloping Front 30.5mm and 22.5mm Pushbutton Enclosures

Catalog Number	A x B x C in. (mm)	Hole Size (mm)	Number of Holes	Mounting G x H in. (mm)	Overall L x W in. (mm)	N (in.)	N (mm)	P (in.)	P (mm)	T (in.)	T (mm)	X (in.)	X (mm)	Y (in.)	Y (mm)
E12SPBA	11.75 x 8.50 x 9.00 (298 x 216 x 229)	30.5	12	11.19 x 7.62 (284 x 194)	11.69 x 8.72 (297 x 221)	10.69	272	7.47	190	8.25	210	2.11	54	2.61	66
E12SPBAM	11.75 x 8.50 x 9.00 (298 x 216 x 229)	22.5	12	11.19 x 7.62 (284 x 194)	11.69 x 8.72 (297 x 221)	10.69	272	7.47	190	8.25	210	2.11	54	2.61	66
E16SPBAH	7.25 x 19.75 x 6.75 (184 x 502 x 171)	30.5	16	7.28 x 18.88 (185 x 480)	7.78 x 19.97 (198 x 507)	6.78	172	5.22	133	19.5	495	2.11	54	2.61	66
E16SPBAHM	7.25 x 19.75 x 6.75 (184 x 502 x 171)	22.5	16	7.28 x 18.88 (185 x 480)	7.78 x 19.97 (198 x 507)	6.78	172	5.22	133	19.5	495	2.11	54	2.61	66
E16PBA	11.75 x 10.75 x 9.00 (298 x 273 x 229)	30.5	16	11.19 x 9.88 (284 x 251)	11.69 x 10.97 (297 x 279)	10.69	272	7.47	190	10.5	267	2.11	54	2.61	66
E16PBAM	11.75 x 10.75 x 9.00 (298 x 273 x 229)	22.5	16	11.19 x 9.88 (284 x 251)	11.69 x 10.97 (297 x 279)	10.69	272	7.47	190	10.5	267	2.11	54	2.61	66
E20PBA	11.75 x 13.00 x 9.00 (298 x 330 x 229)	30.5	20	11.19 x 12.12 (284 x 308)	11.69 x 13.22 (297 x 336)	10.69	272	7.49	190	12.75	324	2.11	54	2.61	66
E20PBAM	11.75 x 13.00 x 9.00 (298 x 330 x 229)	22.5	20	11.19 x 12.12 (284 x 308)	11.69 x 13.22 (297 x 336)	10.69	272	7.49	190	12.75	324	2.11	54	2.61	66
E25PBA	14.00 x 13.00 x 10.12 (356 x 330 x 257)	30.5	25	13.12 x 12.12 (333 x 308)	13.62 x 13.22 (346 x 336)	12.62	321	8.59	218	12.75	324	2.11	54	2.61	66
E25PBAM	14.00 x 13.00 x 10.12 (356 x 330 x 257)	22.5	25	13.12 x 12.12 (333 x 308)	13.62 x 13.22 (346 x 336)	12.62	321	8.59	218	12.75	324	2.11	54	2.61	66
E30PBA	14.00 x 15.25 x 10.12 (356 x 387 x 257)	30.5	30	13.12 x 14.38 (333 x 365)	13.62 x 15.47 (346 x 393)	12.62	321	8.59	218	15	381	2.11	54	2.61	66
E30PBAM	14.00 x 15.25 x 10.12 (356 x 387 x 257)	22.5	30	13.12 x 14.38 (333 x 365)	13.62 x 15.47 (346 x 393)	12.62	321	8.59	218	15	381	2.11	54	2.61	66



Hole Arrangement



Extra-Large 30.5mm and 22.5mm Pushbutton Enclosures with Panels



Application

Designed to hold 30.5mm or 22.5mm oiltight pushbuttons, switches, and pilot lights with extra size to allow 2.50 inches between centers of pushbutton holes. Enclosures provide protection against dirt, dust, oil, and water.

Construction

- 14 gauge steel
- Seams continuously welded and ground smooth
- Captivated cover screws thread into sealed wells
- Cover attached to body with continuous hinge
- 4-way pushbutton holes accept all brands of oiltight pushbuttons, switches, and pilot lights

- Oil-resistant gasket and adhesive
- Removable 14 gauge panel included, supported by weldnuts
- Bonding provision on cover

Finish

ANSI 61 gray polyester powder paint inside and out over phosphatized surfaces. Panels are white.

Industry Standards

UL 508A, File Number E61997: Type I2, I3
NEMA/EEMAC Type I2, I3
JIC Standard EGP-I-1967 and EMP-I-1967
CSA File Number 42186: Type I2
IEC 60529, IP65

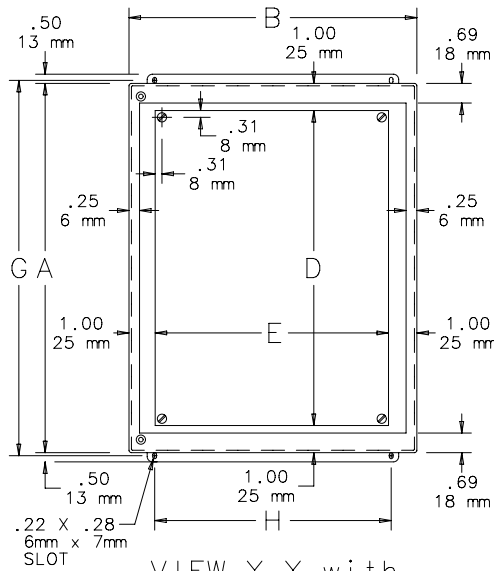
Accessories

See Accessories chapter.
Corrosion Inhibitors
Oiltight Hole Seals
Pedestals
Tamper Resistant Screws
Touch-Up Paint (ATPPY61)

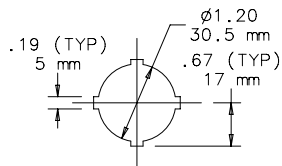
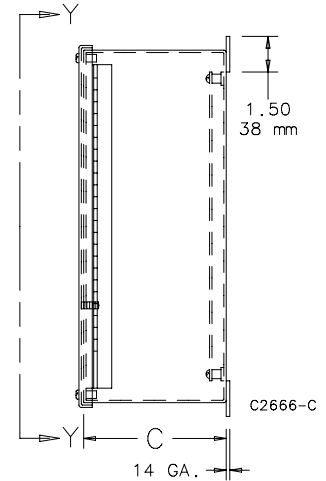
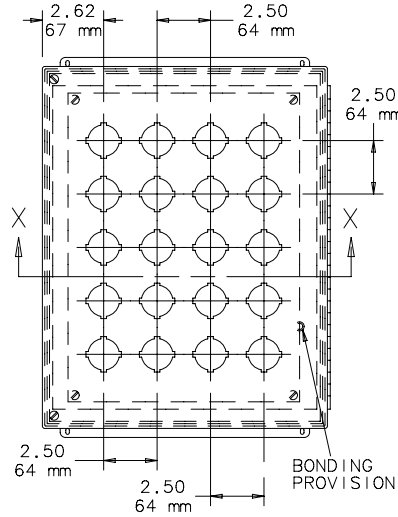
Standard Sizes Extra-Large 30.5mm and 22.5mm Pushbutton Enclosures with Panels

Catalog Number	A x B x C in. (mm)	Hole Size (mm)	Number of Holes	Panel Size D x E (inch)	Panel Size D x E (mm)	Mounting G x H (inch)	Mounting G x H (mm)
E4SPBY25	8.50 x 7.50 x 6.00 (216 x 191 x 152)	30.5	4	6.50 x 5.50	165 x 140	9.00 x 6.62	229 x 168
E4SPBY25M	8.50 x 7.50 x 6.00 (216 x 191 x 152)	22.5	4	6.50 x 5.50	165 x 140	9.00 x 6.62	229 x 168
E6PBY25	11.00 x 7.50 x 6.00 (279 x 191 x 152)	30.5	6	9.00 x 5.50	229 x 140	11.50 x 6.62	292 x 168
E6PBY25M	11.00 x 7.50 x 6.00 (279 x 191 x 152)	22.5	6	9.00 x 5.50	229 x 140	11.50 x 6.62	292 x 168
E9PBY25	11.00 x 10.00 x 6.00 (279 x 254 x 152)	30.5	9	9.00 x 8.00	229 x 203	11.50 x 9.12	292 x 232
E9PBY25M	11.00 x 10.00 x 6.00 (279 x 254 x 152)	22.5	9	9.00 x 8.00	229 x 203	11.50 x 9.12	292 x 232
E12PBY25	13.50 x 10.00 x 6.00 (343 x 254 x 152)	30.5	12	11.50 x 8.00	292 x 203	14.00 x 9.12	356 x 232
E12PBY25M	13.50 x 10.00 x 6.00 (343 x 254 x 152)	22.5	12	11.50 x 8.00	292 x 203	14.00 x 9.12	356 x 232
E16PBY25	13.50 x 12.50 x 6.00 (343 x 318 x 152)	30.5	16	11.50 x 10.50	292 x 267	14.00 x 11.62	356 x 295
E16PBY25M	13.50 x 12.50 x 6.00 (343 x 318 x 152)	22.5	16	11.50 x 10.50	292 x 267	14.00 x 11.62	356 x 295
E20PBY25	16.00 x 12.50 x 6.00 (406 x 318 x 152)	30.5	20	14.00 x 10.50	356 x 267	16.50 x 11.62	419 x 295
E20PBY25M	16.00 x 12.50 x 6.00 (406 x 318 x 152)	22.5	20	14.00 x 10.50	356 x 267	16.50 x 11.62	419 x 295
E25PBY25	16.00 x 15.00 x 6.00 (406 x 381 x 152)	30.5	25	14.00 x 13.00	356 x 330	16.50 x 14.12	419 x 359
E25PBY25M	16.00 x 15.00 x 6.00 (406 x 381 x 152)	22.5	25	14.00 x 13.00	356 x 330	16.50 x 14.12	419 x 359
E30PBY25	18.50 x 15.00 x 6.00 (470 x 381 x 152)	30.5	30	16.50 x 13.00	419 x 330	19.00 x 14.12	483 x 359
E30PBY25M	18.50 x 15.00 x 6.00 (470 x 381 x 152)	22.5	30	16.50 x 13.00	419 x 330	19.00 x 14.12	483 x 359
E36PBY25	18.50 x 17.50 x 6.00 (470 x 445 x 152)	30.5	36	16.50 x 15.50	419 x 394	19.00 x 16.62	483 x 422
E36PBY25M	18.50 x 17.50 x 6.00 (470 x 445 x 152)	22.5	36	16.50 x 15.50	419 x 394	19.00 x 16.62	483 x 422
E42PBY25	21.00 x 17.50 x 6.00 (533 x 445 x 152)	30.5	42	19.00 x 15.50	483 x 394	21.50 x 16.62	546 x 422
E42PBY25M	21.00 x 17.50 x 6.00 (533 x 445 x 152)	22.5	42	19.00 x 15.50	483 x 394	21.50 x 16.62	546 x 422

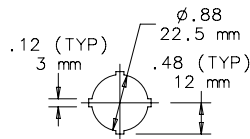
Extra-Large 30.5mm and 22.5mm Pushbutton Enclosures with Panels



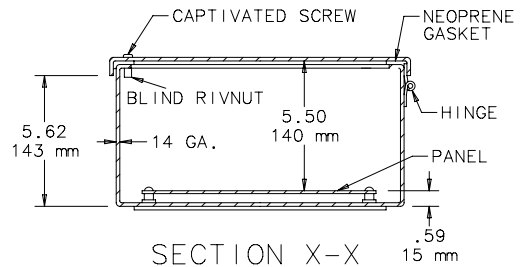
VIEW Y-Y with
cover removed



30.5mm 4-WAY



22.5mm 4-WAY



SECTION X-X

Operator Interface
Enclosure Systems

Hole Arrangement



E4SPBY25
E4SBPY25M



E6SPBY25
E6SBPY25M



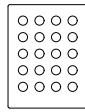
E9SPBY25
E9SBPY25M



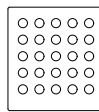
E12SPBY25
E12SBPY25M



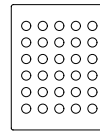
E16SPBY25
E16SBPY25M



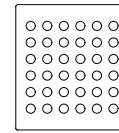
E20SPBY25
E20SBPY25M



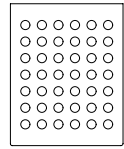
E25SPBY25
E25SBPY25M



E30SPBY25
E30SBPY25M



E36SPBY25
E36SBPY25M



E42SPBY25
E42SBPY25M

Extra-Deep 30.5mm and 22.5mm Pushbutton Enclosures



Application

Designed to hold 30.5mm or 22.5mm oiltight pushbuttons, switches, and pilot lights. Enclosures provide protection against dirt, dust, oil, and water. Extra-deep design accommodates additional contact blocks for pushbuttons.

NOTE: See Corrosion-Resistant Enclosures for information on related stainless steel products.

Construction

- 16 or 14 gauge steel; 14 gauge bodies, 16 gauge covers
- Seams continuously welded and ground smooth
- Captivated cover screws thread into sealed wells

- Grounding stud in body of enclosure
- Bonding provision on cover
- Oil-resistant gasket and adhesive
- 4-way pushbutton holes accept all brands of oiltight pushbuttons, switches, and pilot lights
- Enclosures 6.00 x 4.00 x 4.75 in. (152 x 102 x 121mm) and larger have internal detachable hinge to hold cover open during wiring, yet permit immediate removal

Finish

ANSI 61 gray polyester powder paint inside and out over phosphatized surfaces.

Industry Standards

UL 508A, File Number E61997: Type 12, 13
NEMA/EEMAC Type 12, 13
JIC Standard EGP-I-1967
CSA File Number 42186: Type 12
IEC 60529, IP65

Accessories

See *Accessories* chapter.

Corrosion Inhibitors
Oiltight Hole Seals
Pedestals
Tamper Resistant Screws
Touch-Up Paint (ATPPY61)

Standard Sizes Extra-Deep 30.5mm and 22.5mm Pushbutton Enclosures

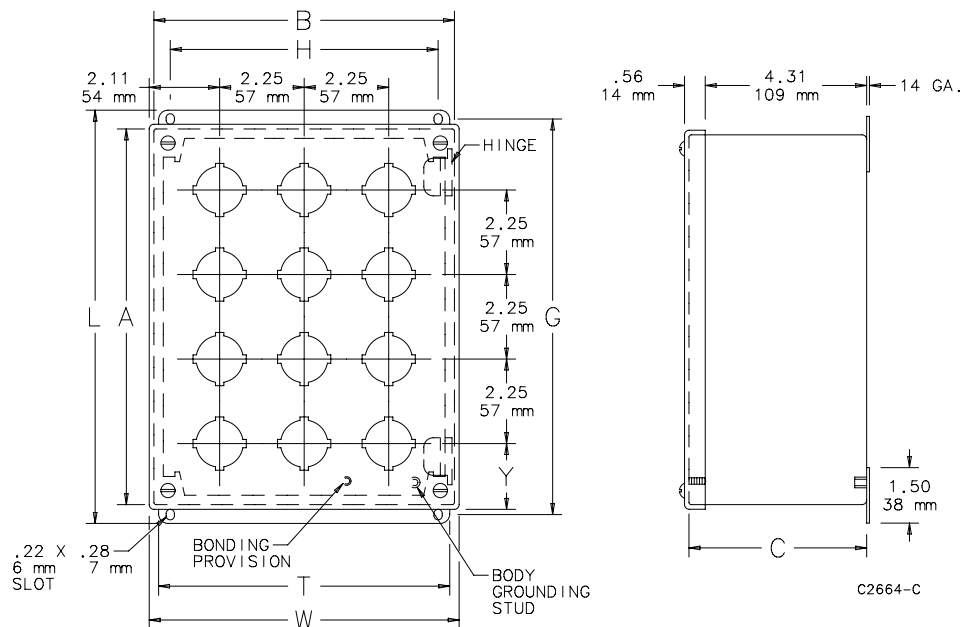
Catalog Number	A x B x C in. (mm)	Hole Size (mm)	Number of Holes	Gauge	Mounting G x H (in.)	Mounting G x H (mm)	Overall L x W (in.)	Overall L x W (mm)	T (in.)	T (mm)	Y (in.)	Y (mm)
E1PBX	4.00 x 4.00 x 4.75 (102 x 102 x 121)	30.5	1	16	4.50 x 3.12	114 x 79	5.00 x 4.22	127 x 107	3.75	95	2.11	54
E1PBXM	4.00 x 4.00 x 4.75 (102 x 102 x 121)	22.5	1	16	4.50 x 3.12	114 x 79	5.00 x 4.22	127 x 107	3.75	95	2.11	54
E2PBX	6.00 x 4.00 x 4.75 (152 x 102 x 121)	30.5	2	14	6.50 x 3.12	165 x 79	7.00 x 4.22	178 x 107	3.75	95	1.98	50
E2PBXM	6.00 x 4.00 x 4.75 (152 x 102 x 121)	22.5	2	14	6.50 x 3.12	165 x 79	7.00 x 4.22	178 x 107	3.75	95	1.98	50
E3PBX	8.00 x 4.00 x 4.75 (203 x 102 x 121)	30.5	3	14	8.50 x 3.12	216 x 79	9.00 x 4.22	229 x 107	3.75	95	1.86	47
E3PBXM	8.00 x 4.00 x 4.75 (203 x 102 x 121)	22.5	3	14	8.50 x 3.12	216 x 79	9.00 x 4.22	229 x 107	3.75	95	1.86	47
E4PBX	10.00 x 4.00 x 4.75 (254 x 102 x 121)	30.5	4	14	10.50 x 3.12	267 x 79	11.00 x 4.22	279 x 107	3.75	95	1.73	44
E4PBXM	10.00 x 4.00 x 4.75 (254 x 102 x 121)	22.5	4	14	10.50 x 3.12	267 x 79	11.00 x 4.22	279 x 107	3.75	95	1.73	44
E4SPBX	7.25 x 6.25 x 4.75 (184 x 159 x 121)	30.5	4	14	7.75 x 5.38	197 x 137	8.25 x 6.47	210 x 164	6.00	152	2.61	66
E4SPBXM	7.25 x 6.25 x 4.75 (184 x 159 x 121)	22.5	4	14	7.75 x 5.38	197 x 137	8.25 x 6.47	210 x 164	6.00	152	2.61	66
E6PBX	9.50 x 6.25 x 4.75 (241 x 159 x 121)	30.5	6	14	10.00 x 5.38	254 x 137	10.50 x 6.47	267 x 164	6.00	152	2.61	66
E6PBXM	9.50 x 6.25 x 4.75 (241 x 159 x 121)	22.5	6	14	10.00 x 5.38	254 x 137	10.50 x 6.47	267 x 164	6.00	152	2.61	66
E9PBX	9.50 x 8.50 x 4.75 (241 x 216 x 121)	30.5	9	14	10.00 x 7.62	254 x 194	10.50 x 8.72	267 x 221	8.25	210	2.61	66
E9PBXM	9.50 x 8.50 x 4.75 (241 x 216 x 121)	22.5	9	14	10.00 x 7.62	254 x 194	10.50 x 8.72	267 x 221	8.25	210	2.61	66
E10PBX	14.00 x 6.25 x 4.75 (356 x 159 x 121)	30.5	10	14	14.50 x 5.38	368 x 137	15.00 x 6.47	381 x 164	6.00	152	2.61	66
E10PBXM	14.00 x 6.25 x 4.75 (356 x 159 x 121)	22.5	10	14	14.50 x 5.38	368 x 137	15.00 x 6.47	381 x 164	6.00	152	2.61	66

Extra-Deep 30.5mm and 22.5mm Pushbutton Enclosures

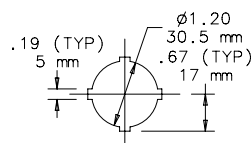
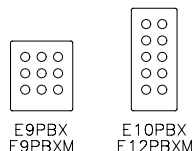
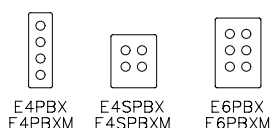
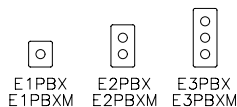
Standard Sizes Extra-Deep 30.5mm and 22.5mm Pushbutton Enclosures (Cont.)

Catalog Number	A x B x C in. (mm)	Hole Size (mm)	Number of Holes	Gauge	Mounting G x H (in.)	Mounting G x H (mm)	Overall L x W (in.)	Overall L x W (mm)	T (in.)	T (mm)	Y (in.)	Y (mm)
E12PBX	11.75 x 8.50 x 4.75 (298 x 216 x 121)	30.5	12	14	12.25 x 7.62	311 x 194	12.75 x 8.72	324 x 221	8.25	210	2.61	66
E12PBXM	11.75 x 8.50 x 4.75 (298 x 216 x 121)	22.5	12	14	12.25 x 7.62	311 x 194	12.75 x 8.72	324 x 221	8.25	210	2.61	66
E16SPBXV	20.75 x 6.25 x 4.75 (527 x 159 x 121)	30.5	16	14	21.25 x 5.38	540 x 137	21.75 x 6.47	552 x 164	6.00	152	2.61	66
E16SPBXVM	20.75 x 6.25 x 4.75 (527 x 159 x 121)	22.5	16	14	21.25 x 5.38	540 x 137	21.75 x 6.47	552 x 164	6.00	152	2.61	66
E16PBX	11.75 x 10.75 x 4.75 (298 x 273 x 121)	30.5	16	14	12.25 x 9.88	311 x 251	12.75 x 10.97	324 x 279	10.50	267	2.61	66
E16PBXM	11.75 x 10.75 x 4.75 (298 x 273 x 121)	22.5	16	14	12.25 x 9.88	311 x 251	12.75 x 10.97	324 x 279	10.50	267	2.61	66
E20PBX	14.00 x 10.75 x 4.75 (356 x 273 x 121)	30.5	20	14	14.50 x 9.88	368 x 251	15.00 x 10.97	381 x 279	10.50	267	2.61	66
E20PBXM	14.00 x 10.75 x 4.75 (356 x 273 x 121)	22.5	20	14	14.50 x 9.88	368 x 251	15.00 x 10.97	381 x 279	10.50	267	2.61	66
E25PBX	14.00 x 13.00 x 4.75 (356 x 330 x 121)	30.5	25	14	14.50 x 12.12	368 x 308	15.00 x 13.22	381 x 336	12.75	324	2.61	66
E25PBXM	14.00 x 13.00 x 4.75 (356 x 330 x 121)	22.5	25	14	14.50 x 12.12	368 x 308	15.00 x 13.22	381 x 336	12.75	324	2.61	66

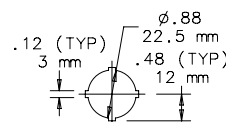
Operator Interface
Enclosure Systems



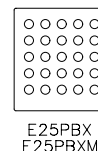
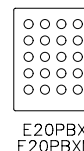
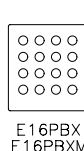
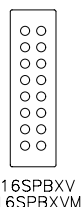
Hole Arrangement



30.5mm 4-WAY



22.5mm 4-WAY



30.5mm and 22.5mm Pushbutton Enclosures



Application

Designed to hold 30.5mm or 22.5mm oiltight pushbuttons, switches, and pilot lights. Enclosures provide protection against dirt, dust, oil, and water.

NOTE: See *Corrosion-Resistant Enclosures* for information on related stainless steel products.

Construction

- 16 or 14 gauge steel; 14 gauge bodies, 16 gauge covers
- Seams continuously welded and ground smooth
- Captivated cover screws thread into sealed wells

- Grounding stud in body of enclosure
- Bonding provision on cover
- Oil-resistant gasket and adhesive
- 4-way pushbutton holes accept all brands of oiltight pushbuttons, switches, and pilot lights
- Enclosures with more than one column of pushbutton holes have internal detachable hinge to hold cover open during wiring, yet permit immediate removal

Finish

ANSI 61 gray polyester powder paint inside and out over phosphatized surfaces.

Industry Standards

UL 508A, File Number E61997: Type 12, 13
NEMA/EEMAC Type 12, 13
JIC Standard EGP-I-1967
CSA File Number 42186: Type 12
IEC 60529, IP65

Accessories

See *Accessories* chapter.
Corrosion Inhibitors
Oiltight Hole Seals
Pedestals
Tamper Resistant Screws
Touch-Up Paint (ATPPY61)

Standard Sizes 30.5mm and 22.5mm Pushbutton Enclosures

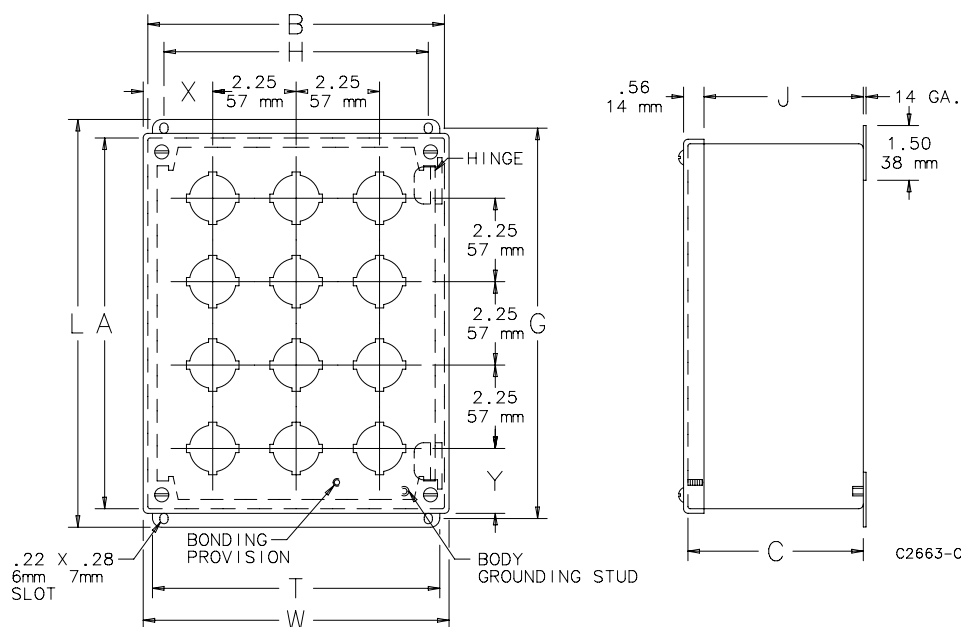
Catalog Number	A x B x C in. (mm)	Hole Size (mm)	Number of Holes	Ga.	Mounting G x H (in.)	Mounting G x H (mm)	Overall L x W (in.)	Overall L x W (mm)	J (in.)	J (mm)	T (in.)	T (mm)	X (in.)	X (mm)	Y (in.)	Y (mm)
E1PB	3.50 x 3.25 x 2.75 (89 x 83 x 70)	30.5	1	16	4.00 x 2.38	102 x 60	4.50 x 3.47	114 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E1PBG	3.50 x 3.25 x 2.75 (89 x 83 x 70)	22.5	1	16	4.00 x 2.38	102 x 60	4.50 x 3.47	114 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E2PB	5.75 x 3.25 x 2.75 (146 x 83 x 70)	30.5	2	16	6.25 x 2.38	159 x 60	6.75 x 3.47	171 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E2PBG	5.75 x 3.25 x 2.75 (146 x 83 x 70)	22.5	2	16	6.25 x 2.38	159 x 60	6.75 x 3.47	171 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E3PB	8.00 x 3.25 x 2.75 (203 x 83 x 70)	30.5	3	14	8.50 x 2.38	216 x 60	9.00 x 3.47	229 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E3PBG	8.00 x 3.25 x 2.75 (203 x 83 x 70)	22.5	3	14	8.50 x 2.38	216 x 60	9.00 x 3.47	229 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E4PB	10.25 x 3.25 x 2.75 (260 x 83 x 70)	30.5	4	14	10.75 x 2.38	273 x 60	11.25 x 3.47	286 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E4PBG	10.25 x 3.25 x 2.75 (260 x 83 x 70)	22.5	4	14	10.75 x 2.38	273 x 60	11.25 x 3.47	286 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E4SPB	7.25 x 6.25 x 3.00 (184 x 159 x 76)	30.5	4	14	7.75 x 5.38	197 x 137	8.25 x 6.47	210 x 164	2.56	65	6.00	152	2.11	54	2.61	66
E4SPBG	7.25 x 6.25 x 3.00 (184 x 159 x 76)	22.5	4	14	7.75 x 5.38	197 x 137	8.25 x 6.47	210 x 164	2.56	65	6.00	152	2.11	54	2.61	66
E5PB	12.50 x 3.25 x 2.75 (317 x 83 x 70)	30.5	5	14	13.00 x 2.38	330 x 60	13.50 x 3.47	343 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E5PBG	12.50 x 3.25 x 2.75 (317 x 83 x 70)	22.5	5	14	13.00 x 2.38	330 x 60	13.50 x 3.47	343 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E6PBVL	14.75 x 3.25 x 2.75 (375 x 83 x 70)	30.5	6	14	15.25 x 2.38	387 x 60	15.75 x 3.47	400 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E6PBGVL	14.75 x 3.25 x 2.75 (375 x 83 x 70)	22.5	6	14	15.25 x 2.38	387 x 60	15.75 x 3.47	400 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E6PB	9.50 x 6.25 x 3.00 (241 x 159 x 76)	30.5	6	14	10.00 x 5.38	254 x 137	10.50 x 6.47	267 x 164	2.56	65	6.00	152	2.11	54	2.61	66
E6PBG	9.50 x 6.25 x 3.00 (241 x 159 x 76)	22.5	6	14	10.00 x 5.38	254 x 137	10.50 x 6.47	267 x 164	2.56	65	6.00	152	2.11	54	2.61	66
E8PB	20.25 x 3.25 x 2.75 (514 x 83 x 70)	30.5	8	14	20.75 x 2.38	527 x 60	21.25 x 3.47	540 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E8PBG	20.25 x 3.25 x 2.75 (514 x 83 x 70)	22.5	8	14	20.75 x 2.38	527 x 60	21.25 x 3.47	540 x 88	2.31	59	3.00	76	1.73	44	1.86	47

30.5mm and 22.5mm Pushbutton Enclosures

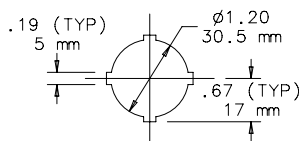
Standard Sizes 30.5mm and 22.5mm Pushbutton Enclosures (Cont.)

Catalog Number	A x B x C in. (mm)	Hole Size (mm)	Number of Holes	Ga.	Mounting G x H (in.)	Mounting G x H (mm)	Overall L x W (in.)	Overall L x W (mm)	J (in.)	J (mm)	T (in.)	T (mm)	X (in.)	X (mm)	Y (in.)	Y (mm)
E9PB	9.50 x 8.50 x 3.00 (241 x 216 x 76)	30.5	9	14	10.00 x 7.62	254 x 194	10.50 x 8.72	267 x 221	2.56	65	8.25	210	2.11	54	2.61	66
E9PBG	9.50 x 8.50 x 3.00 (241 x 216 x 76)	22.5	9	14	10.00 x 7.62	254 x 194	10.50 x 8.72	267 x 221	2.56	65	8.25	210	2.11	54	2.61	66
E10PB	24.75 x 3.25 x 2.75 (629 x 83 x 70)	30.5	10	14	25.25 x 2.38	641 x 60	25.75 x 3.47	654 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E10PBG	24.75 x 3.25 x 2.75 (629 x 83 x 70)	22.5	10	14	25.25 x 2.38	641 x 60	25.75 x 3.47	654 x 88	2.31	59	3.00	76	1.73	44	1.86	47
E12PB	11.75 x 8.50 x 3.00 (298 x 216 x 76)	30.5	12	14	12.25 x 7.62	311 x 194	12.75 x 8.72	324 x 221	2.56	65	8.25	210	2.11	54	2.61	66
E12PBG	11.75 x 8.50 x 3.00 (298 x 216 x 76)	22.5	12	14	12.25 x 7.62	311 x 194	12.75 x 8.72	324 x 221	2.56	65	8.25	210	2.11	54	2.61	66
E16PB	11.75 x 10.75 x 3.00 (298 x 273 x 76)	30.5	16	14	12.25 x 9.88	311 x 251	12.75 x 10.97	324 x 279	2.56	65	10.50	267	2.11	54	2.61	66
E16PBG	11.75 x 10.75 x 3.00 (298 x 273 x 76)	22.5	16	14	12.25 x 9.88	311 x 251	12.75 x 10.97	324 x 279	2.56	65	10.50	267	2.11	54	2.61	66

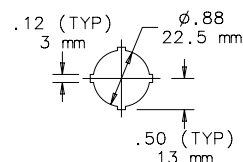
Operator Interface
Enclosure Systems



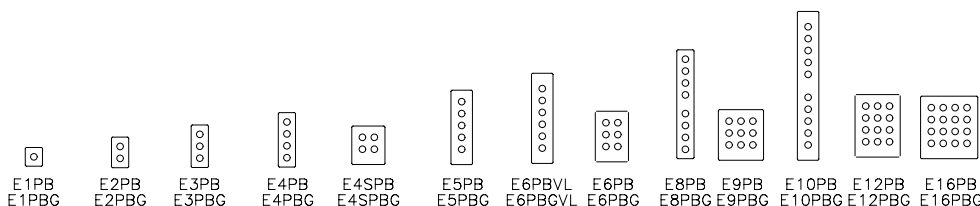
NOTE: E8PB and E10PB have 1.00 (25 mm)
added between two center holes.



30.5mm 4-WAY



22.5mm 4-WAY



DPB Pushbutton Enclosures



Application

Designed to hold oiltight pushbuttons, switches, and pilot lights that mount in 30.5mm or 22.5mm 4-way pushbutton holes. Enclosures provide protection against dirt, dust, and water.

Construction

- Drawn 16 gauge steel; no welded seams or sharp corners
- Cover screws thread into enclosure outside gasket line to prevent leakage through cover screw holes
- Flanged cover
- Grounding stud in body of enclosure
- Bonding provision on cover
- Oil-resistant gasket and adhesive

Finish

ANSI 61 gray polyester powder paint inside and out over phosphatized surfaces.

Industry Standards

UL 508A, File Number E61997: Type 4, 12, 13
NEMA/EEMAC Type 4, 12, 13
cUL CSA 22.2 No. 94, File No. E61997: Type 4, 12, 13
IEC 60529, IP66

Accessories

See Accessories chapter.
Corrosion Inhibitors
Oiltight Hole Seals
Touch-Up Paint (ATPPY61)

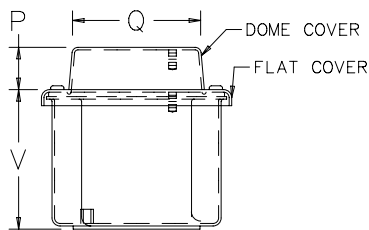
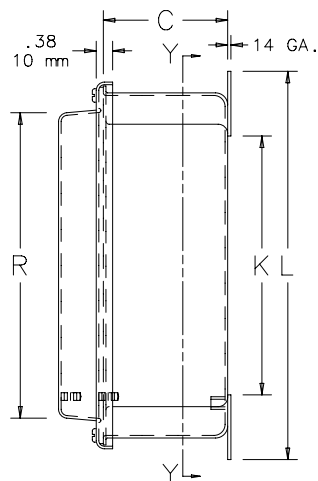
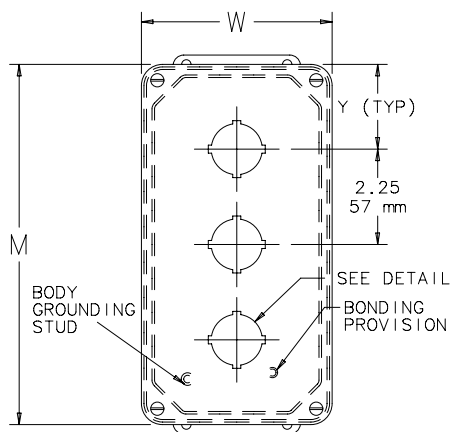
Standard Sizes DPB Pushbutton Enclosures

Catalog Number	A x B x C in. (mm)	Hole Size (mm)	No. of Holes	Mounting G x H in. (mm)	Cover Type	Encl. Depth (P + V) in. (mm)	F in. (mm)	K in. (mm)	L in. (mm)	M in. (mm)	P in. (mm)	Q in. (mm)	R in. (mm)	S in. (mm)	T in. (mm)	V in. (mm)	W in. (mm)	Y in. (mm)
ED1PB1	4.50 x 2.88 x 2.62 (114 x 73 x 67)	30.5	1	5.00 x 1.12 (127 x 29)	Flat	—	—	—	—	—	—	—	—	—	—	—	—	2.78 (71)
ED1PB2	3.50 x 4.00 x 2.75 (89 x 102 x 70)	30.5	1	4.00 x 2.38 (102 x 60)	Flat	—	3.00 (76)	1.50 (38)	4.50 (114)	4.00 (102)	—	—	—	2.06 (52)	2.56 (65)	2.98 (76)	4.50 (114)	2.00 (51)
ED2PB	5.75 x 4.00 x 2.75 (146 x 102 x 70)	30.5	2	6.25 x 2.38 (159 x 60)	Flat	—	3.00 (76)	3.75 (95)	6.75 (171)	6.25 (159)	—	—	—	4.31 (109)	2.56 (65)	2.98 (76)	4.50 (114)	2.00 (51)
ED3PB	8.00 x 4.00 x 2.75 (203 x 102 x 70)	30.5	3	8.50 x 2.38 (216 x 60)	Flat	—	3.00 (76)	6.00 (152)	9.00 (229)	8.50 (216)	—	—	—	6.56 (167)	2.56 (65)	2.98 (76)	4.50 (114)	2.00 (51)
ED4PB	10.25 x 4.00 x 2.75 (260 x 102 x 70)	30.5	4	10.75 x 2.38 (273 x 60)	Flat	—	3.00 (76)	8.25 (210)	11.25 (286)	10.75 (273)	—	—	—	8.81 (224)	2.56 (65)	2.98 (76)	4.50 (114)	2.00 (51)
ED1PBX	3.50 x 4.00 x 3.75 (89 x 102 x 95)	30.5	1	4.00 x 2.38 (102 x 60)	Dome	4.98 (126)	3.00 (76)	1.50 (38)	4.50 (114)	4.00 (102)	1.00 (25)	3.03 (77)	2.53 (64)	2.06 (52)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED1PBXM	3.50 x 4.00 x 3.75 (89 x 102 x 95)	22.5	1	4.00 x 2.38 (102 x 60)	Dome	4.98 (126)	3.00 (76)	1.50 (38)	4.50 (114)	4.00 (102)	1.00 (25)	3.03 (77)	2.53 (64)	2.06 (52)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED2PBX	5.75 x 4.00 x 3.75 (146 x 102 x 95)	30.5	2	6.25 x 2.38 (159 x 60)	Dome	4.98 (126)	3.00 (76)	3.75 (95)	6.75 (171)	6.25 (159)	1.00 (25)	3.03 (77)	4.78 (121)	4.31 (109)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED2PBXM	5.75 x 4.00 x 3.75 (146 x 102 x 95)	22.5	2	6.25 x 2.38 (159 x 60)	Dome	4.98 (126)	3.00 (76)	3.75 (95)	6.75 (171)	6.25 (159)	1.00 (25)	3.03 (77)	4.78 (121)	4.31 (109)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED3PBX	8.00 x 4.00 x 3.75 (203 x 102 x 95)	30.5	3	8.50 x 2.38 (216 x 60)	Dome	4.98 (126)	3.00 (76)	6.00 (152)	9.00 (229)	8.50 (216)	1.00 (25)	3.03 (77)	7.03 (179)	6.56 (167)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED3PBXM	8.00 x 4.00 x 3.75 (203 x 102 x 95)	22.5	3	8.50 x 2.38 (216 x 60)	Dome	4.98 (126)	3.00 (76)	6.00 (152)	9.00 (229)	8.50 (216)	1.00 (25)	3.03 (77)	7.03 (179)	6.56 (167)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED4PBX	10.25 x 4.00 x 3.75 (260 x 102 x 95)	30.5	4	10.75 x 2.38 (273 x 60)	Dome	4.98 (126)	3.00 (76)	8.25 (210)	11.25 (286)	10.75 (273)	1.00 (25)	3.03 (77)	9.25 (235)	8.81 (224)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED4PBXM	10.25 x 4.00 x 3.75 (260 x 102 x 95)	22.5	4	10.75 x 2.38 (273 x 60)	Dome	4.98 (126)	3.00 (76)	8.25 (210)	11.25 (286)	10.75 (273)	1.00 (25)	3.03 (77)	9.25 (235)	8.81 (224)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)

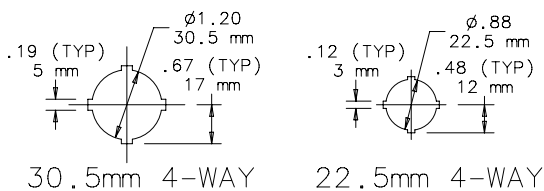
DPB Pushbutton Enclosures

Standard Sizes DPB Pushbutton Enclosures (Cont.)

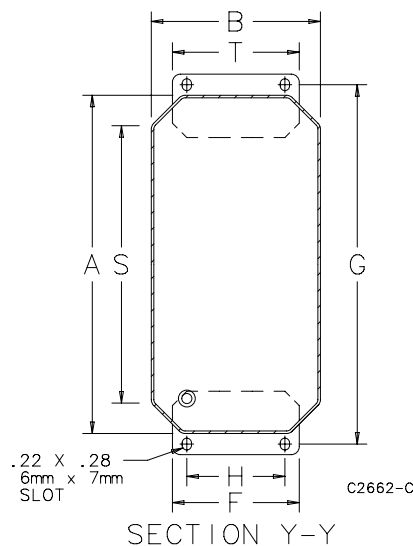
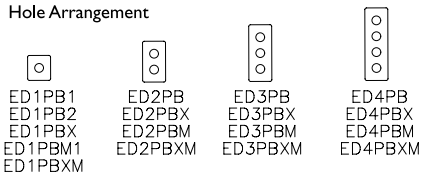
Catalog Number	A x B x C in. (mm)	Hole Size (mm)	No. of Holes	Mounting G x H in. (mm)	Cover Type	Encl. Depth (P + V) in. (mm)	F in. (mm)	K in. (mm)	L in. (mm)	M in. (mm)	P in. (mm)	Q in. (mm)	R in. (mm)	S in. (mm)	T in. (mm)	V in. (mm)	W in. (mm)	Y in. (mm)
ED1PBM1	4.50 x 2.88 x 2.62 (114 x 73 x 67)	22.5	1	5.00 x 1.12 (127 x 29)	Flat	—	—	—	—	—	—	—	—	—	—	—	—	2.78 (71)
ED1PBM2	3.50 x 4.00 x 3.75 (89 x 102 x 95)	22.5	1	4.00 x 2.38 (102 x 60)	Flat	—	3.00 (76)	1.50 (38)	4.50 (114)	4.00 (102)	—	—	—	2.06 (52)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED2PBM	5.75 x 4.00 x 3.75 (146 x 102 x 95)	22.5	2	6.25 x 2.38 (159 x 60)	Flat	—	3.00 (76)	3.75 (95)	6.75 (171)	6.25 (159)	—	—	—	4.31 (109)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED3PBM	8.00 x 4.00 x 3.75 (203 x 102 x 95)	22.5	3	8.50 x 2.38 (216 x 60)	Flat	—	3.00 (76)	6.00 (152)	9.00 (229)	8.50 (216)	—	—	—	6.56 (167)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)
ED4PBM	10.25 x 4.00 x 3.75 (260 x 102 x 95)	22.5	4	10.75 x 2.38 (273 x 60)	Flat	—	3.00 (76)	8.25 (210)	11.25 (286)	10.75 (273)	—	—	—	8.81 (224)	2.56 (65)	3.98 (101)	4.50 (114)	2.00 (51)



END VIEW



Hole Arrangement



SECTION Y-Y

- NOTES: 1. External mounting brackets are 14 gauge steel.
2. These drawings do not apply to catalog numbers EDIPBI and EDIPBBI. For enclosure dimensions, see catalog number A403DSC in Industrial Enclosures, Small Screw Cover DSC Boxes. "Y" dimension locates pushbutton hole.

Deep 22.5mm Pushbutton Enclosures



Application

Designed to hold oiltight pushbuttons, switches, and pilot lights that mount in 22.5mm 4-way pushbutton holes. Enclosures provide protection against dirt, dust, oil, and water.

Construction

- 14 gauge steel
- Seams continuously welded and ground smooth
- Captivated cover screws thread into sealed wells
- Grounding stud in body of enclosure
- Bonding provision on cover
- Oil-resistant gasket and adhesive
- Enclosures 8.50 x 5.00 x 4.25 in. (216 x 127 x 108mm) and larger have internal detachable hinge to hold cover open during wiring, yet permit immediate removal

Finish

ANSI 61 gray polyester powder paint inside and out over phosphatized surfaces.

Industry Standards

UL 508A, File Number E61997: Type I2, I3
NEMA/EEMAC Type I2, I3
JIC standards EGP-I-1967 and EMP-I-1967
CSA File Number 42186: Type I2
IEC 60529, IP65

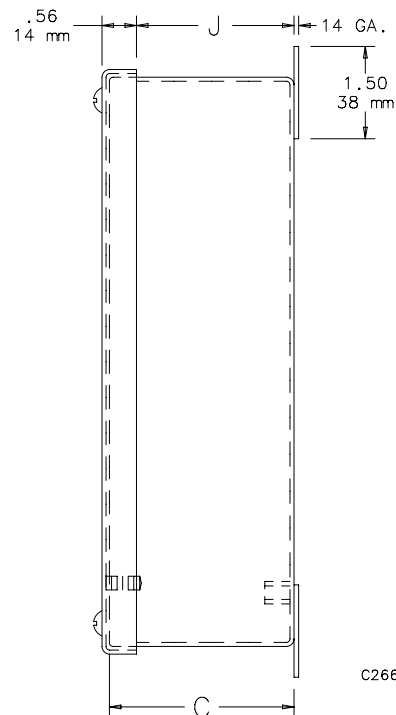
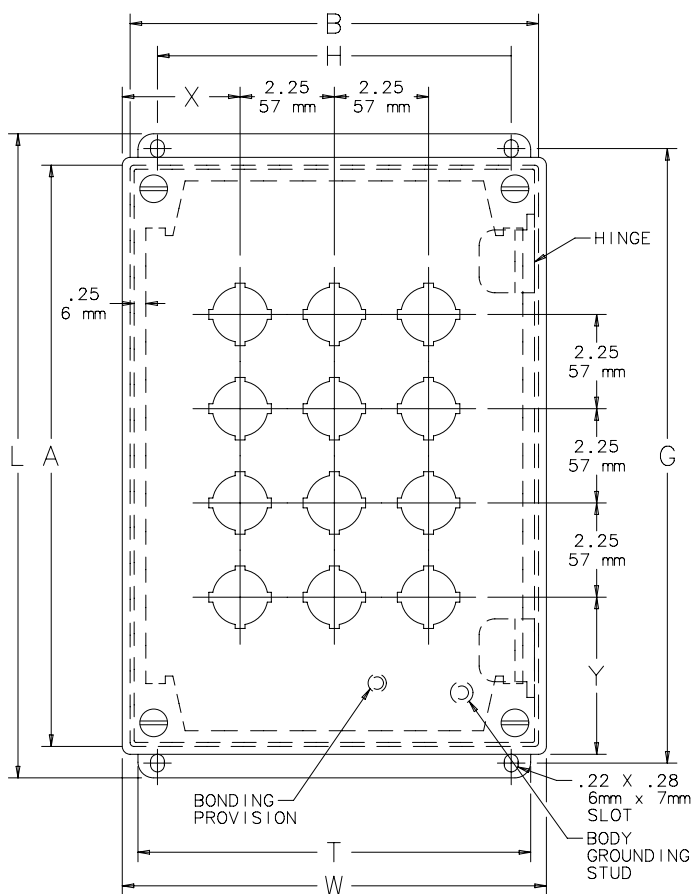
Accessories

See *Accessories chapter*.
Corrosion Inhibitors
Oiltight Hole Seals
Pedestals
Tamper Resistant Screws
Touch-Up Paint (ATPPY61)

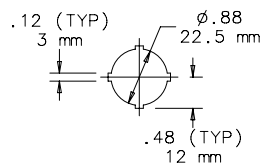
Standard Sizes Deep 22.5mm Pushbutton Enclosures

Catalog Number	A x B x C in. (mm)	Number of Holes	Mounting G x H (in.)	Mounting G x H (mm)	Overall L x W (in.)	Overall L x W (mm)	J (in.)	J (mm)	T (in.)	T (mm)	X (in.)	X (mm)	Y (in.)	Y (mm)
E1PBGXM	3.25 x 2.75 x 3.50 (83 x 70 x 89)	1	3.75 x 1.88	95 x 48	4.25 x 2.97	108 x 75	3.09	78	2.50	64	1.48	38	1.73	44
E2PBGXM	5.12 x 2.75 x 3.50 (130 x 70 x 89)	2	5.62 x 1.88	143 x 48	6.12 x 2.97	155 x 75	3.09	78	2.50	64	1.48	38	1.55	39
E3PBGXM	7.25 x 2.75 x 3.50 (184 x 70 x 89)	3	7.75 x 1.88	197 x 48	8.25 x 2.97	210 x 75	3.09	78	2.50	64	1.48	38	1.48	38
E4PBGXM	9.50 x 2.75 x 3.00 (241 x 70 x 89)	4	10.00 x 1.88	254 x 48	10.50 x 2.97	267 x 75	3.09	78	2.50	64	1.48	38	1.48	38
E6PBGXM	8.50 x 5.00 x 4.25 (216 x 127 x 108)	6	9.00 x 4.12	229 x 105	9.50 x 5.22	241 x 133	3.84	98	4.75	121	1.48	38	2.11	54
E9PBGXM	8.50 x 7.25 x 4.25 (216 x 184 x 108)	9	9.00 x 5.63	229 x 162	9.50 x 7.47	241 x 190	3.84	98	6.25	159	1.48	38	2.11	54
E12PBGXM	10.38 x 7.25 x 4.25 (264 x 184 x 108)	12	10.88 x 5.63	276 x 162	11.38 x 7.47	289 x 190	3.84	98	6.25	159	1.48	38	1.92	49

Deep 22.5mm Pushbutton Enclosures

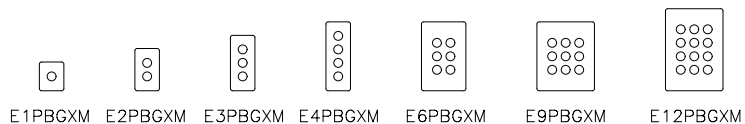


C2667-C



22.5mm 4-way

Hole Arrangement



PROTECTING YOUR ADVANTAGE

Hoffman[®]

A PENTAIR COMPANY

SysPEND[™]

Vertical Motion Arms

*Field-calibrated
support solutions for
ergonomic operation
of HMI and OI devices*

Vertical Motion Arms that field-adjust to any load. Any workspace. And any operator.



The lifting arms that adjust for different human-machine interfaces (HMIs) as quickly as for different operators. SYSPEND™ Vertical Motion Arms let you easily set and recalibrate lifting force without special tools or service calls.



SYSPEND™ Vertical Motion Arms by Hoffman enhance the efficiency and ergonomics of a work cell or machine. Unique features facilitate easy adjustment of an operator interface or monitor to the access preferences of each operator to reduce user fatigue and increase productivity. And with SYSPEND's flexible mounting options, an HMI device and arm can be moved out of the way for cleaning and to increase safety.

Unlike conventional arms whose lifting counterbalances are pre-set by the manufacturer, SYSPEND Vertical Motion Arms let you easily field-adjust the lifting force as needed to accommodate user configurations and equipment changes.

SYSPEND Vertical Motion Arm features include:

- Weight capacity up to 125 lbs., accommodating large HMI enclosures, touchscreens, control panels and monitors with fingertip control and an adjustable gas spring counterbalance
- Integrated cable pathways or cable managers protect cords from binding, chaffing and accidental impact
- Wall, machine and post top-mounting options, plus handle kits and other accessories to facilitate flexible work cell and ergonomic workspace layouts

SYSPEND Monitor & Keyboard Arm





- 12 in. of vertical travel adjustment, 340 degree monitor swivel, 15 degree forward/45 degree back tilt, position locking and fold-up keyboard/mouse tray

SYSPEND VL-, VHD- and VHDS-Motion Arms

- Swivel up to 330 degrees with swivel stops available in 30-degree increments, and a choice of arm lengths with vertical travel ranges from 13 to 20 in. to accommodate any ergonomic demand
- NEMA Type 4, 4X and 12-rated solutions, including heavy-duty stainless steel arms for use in washdown environments
- Locking handle model for use where machine vibration is present








Flexible solutions for Lean, well-designed operator workspace environments.

Material	ALUMINUM		PAINTED MILD STEEL	STAINLESS STEEL (TYPE 304)
Product Line	SYSPEND Monitor & Keyboard Arm	SYSPEND VL-Motion Arm Type 4	SYSPEND VHD-Motion Arm Type 4	SYSPEND VHDS-Motion Arm Type 4X
				
Models/ Capacity	6 to 15 lbs.	22-in.: 30 to 100 lbs.	26-in.: 45 to 125 lbs. 36-in.: 25 to 75 lbs.	26-in.: 45 to 125 lbs. 36-in.: 25 to 75 lbs.
Application	Vertical Motion Arm for mounting a flat screen monitor, keyboard and mouse in industrial environments	Type 4 Vertical Locking (VL) industrial arm for lifting and repositioning HMI enclosures in NEMA Type 4 and 12 environments	Type 4 Vertical Heavy Duty (VHD) industrial arm for lifting and repositioning HMI enclosures in NEMA Type 4 and Type 12 environments	Type 4X Vertical Heavy Duty Stainless (VHDS) industrial arm provides corrosion resistance and suspends process and control equipment for easy cleaning
Vertical Adjustment	Up to 12 in.	Up to 13 in.	Up to 13 in. (26-in. model) Up to 20 in. (36-in. model)	Up to 13 in. (26-in. model) Up to 20 in. (36-in. model)
Swivel Range	340° at monitor (180° at mounting end)	320°	330° with swivel stops in 30° increments	330° with swivel stops in 30° increments
Locking Mechanism	Toggle lever locks arm in place when repositioned vertically	Included release handle automatically locks arm in place when repositioned vertically; releases when engaged	No locking handle required; enclosure stays in place after repositioning	No locking handle required; enclosure stays in place after repositioning
Other Features	<ul style="list-style-type: none"> Supports 6- to 15-lb. monitors with field-adjustable internal gas spring counterbalance Keyboard/mouse tray folds up when not in use Monitor may be tilted forward up to 15° and back up to 45° to reduce glare Folds to within 5 in. of wall Monitor and keyboard remain level as they travel vertically Side cable manager protects cables and cords from wear and damage 	<ul style="list-style-type: none"> Supports 30- to 100-lb. load with field-adjustable internal gas spring counterbalance; lift tension set at max 100-lb. load can be reduced but cannot be increased once it is reduced Gasketed mounting surfaces at both ends maintain seal integrity 1.4-in. internal cable pathway protects cables and cords; maintains Type 4 and 12 rating Release handle/locking mechanism ideal to counteract machine vibration 	<ul style="list-style-type: none"> Supports up to 125-lb. load with field-adjustable internal gas spring counterbalance; lift tension can be reduced or increased within load range at any time Tension adjustment on arm front provides easy additional fine tuning of lifting force Gasketed mounting surfaces at both ends maintain seal integrity 1.3-in. internal cable pathway protects cables and cords; maintains Type 4 and 12 rating 	<ul style="list-style-type: none"> Supports up to 125-lb. load with field-adjustable internal gas spring counterbalance; lift tension can be reduced or increased within load range at any time Tension adjustment on arm front provides easy additional fine tuning of lifting force Gasketed mounting surfaces at both ends maintain seal integrity 1.3-in. internal cable pathway protects cables and cords; maintains Type 4, 4X and 12 rating
Mounting Options	Wall	Wall, Machine, Post	Wall, Machine, Post	Wall, Machine, Post
Mounting Pattern	3 x 3 in. and 4 x 4 in. VESA mounting pattern accommodates most flat screen monitors	60 x 60 mm enclosure mounting pattern interfaces with Hoffman HMI enclosures (enclosure available separately)	60 x 60 mm enclosure mounting pattern interfaces with Hoffman HMI enclosures (enclosure available separately)	60 x 60 mm enclosure mounting pattern interfaces with Hoffman HMI enclosures (enclosure available separately)
Ratings	n/a	Maintains NEMA Type 4 and 12 and IEC IP66 enclosure ratings	Maintains NEMA Type 4 and 12 and IEC IP66 enclosure ratings	Maintains NEMA Type 4, 4X, 12 and IEC IP66 enclosure ratings

NEMA and IEC enclosure ratings maintained when arm is properly installed per Hoffman instructions. Mounting adapter, available separately, may be required.

Hoffman HMI Enclosures

For a functional and elegant HMI solution, pair a Hoffman HMI enclosure with a SYSPEND™ Vertical Motion Arm. Hoffman has the most complete selection of HMI enclosures and accessories, available in many different body styles, depth profiles, materials and sizes to accommodate a host of industry-standard operator interface panels, including:

Material	ALUMINUM			PAINTED MILD STEEL	STAINLESS STEEL (304)
HMI Family	CC2000	CC3000	CC4000	CONCEPT® HMI	CS600
					
Enclosure Size (H x W) Range	375 x 615 to 615 x 615 mm 14.76" x 24.21" to 24.21" x 24.21"	250 x 250 to 600 x 600 mm 9.84" x 9.84" to 23.62" x 23.62"	280 x 400 to 450 x 600 mm 11.02" x 15.75" to 17.72" x 23.62"	250 x 350 to 555 x 600 mm 9.84" x 13.78" to 21.85" x 23.62"	350 x 400 to 600 x 550 mm 13.78" x 15.75" to 23.62" x 21.69"
Enclosure Depth	290 to 518 mm 11.42" to 21.57"	120 to 255 mm 4.72" to 10.04"	140 to 290 mm 5.51" to 11.41"	120 to 300 mm 4.72" to 11.81"	160 to 300 mm 6.30" to 11.81"
Body Features	<ul style="list-style-type: none"> • Rear access • Pendant/pedestal cutout • Built-in side handles 	<ul style="list-style-type: none"> • Rear access • Pendant/pedestal cutout • Handle options 	<ul style="list-style-type: none"> • Rear access • Pendant/pedestal cutout • Built-in side handles • Heat dissipation 	<ul style="list-style-type: none"> • Rear access • Pendant/pedestal cutout • Built-in side handles 	<ul style="list-style-type: none"> • Pendant cutout • Side safety lock • Radiused cover
Body Types	<ul style="list-style-type: none"> • Solid • Hinged 	<ul style="list-style-type: none"> • Solid • Hinged • Painted corners (5 standard colors) 	<ul style="list-style-type: none"> • Solid • Hinged 	<ul style="list-style-type: none"> • Hinged rear access • Painted handles (5 standard colors) 	<ul style="list-style-type: none"> • Solid
Accessories & Options <i>Additional accessories available in Specifier's Guide</i>	<ul style="list-style-type: none"> • Holes & cutouts on front plate 	<ul style="list-style-type: none"> • Size, depth, handles, holes & cutouts plate modifications • Handles • Keyboard drawer • Tilt mechanism • Side access door • Internal swing panel 	<ul style="list-style-type: none"> • Holes & cutouts on front plate only • Keyboard compartment • Tilt mechanism • Hinged rear cover • Lift-off hinge kit 	<ul style="list-style-type: none"> • Full modification services • Handles • Clipboard/whiteboard • Keyboard tray • Side access door • Door panel 	<ul style="list-style-type: none"> • Panels • Handles • Keyboard shelf
Ratings	UL 508A Listed; Type 12; File No. E61997 NEMA, CSA Type 12 IP55	UL 508A Listed; Type 12; File No. E61997 NEMA, CSA Type 12 IP55	UL 508A Listed; Type 12; File No. E61997 NEMA, CSA Type 12 IP55	UL 508A Listed; Type 4, 12; File No. E61997 NEMA, CSA Type 4, 12 IP66	NEMA Type 4, 4X, 12 IP66
SYSPEND Motion Arm	VL-Motion VHD-Motion	VL-Motion VHD-Motion	VL-Motion VHD-Motion	VL-Motion VHD-Motion	VHDS-Motion

PROTECTING YOUR ADVANTAGE



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For worldwide locations, see
hoffmanonline.com

SYSPEND™ Monitor and Keyboard Arm

SYSPEND™ Monitor and Keyboard Arm



Application

Vertical motion pendant arm for mounting a flat screen monitor, keyboard and mouse in industrial environments. Opens up plant floor space by locating the display where it is convenient for the operator. Display and keyboard can be raised and lowered with one hand. Keyboard folds up when not in use.

Features

- Supports loads of 6-15 lb. with an internal gas spring counterbalance
- Provides 12 in. of vertical height adjustment
- Toggle lever locks arm in place when repositioned vertically
- 3-x-3-in. and 4-x-4-in. VESA mounting pattern fits most flat screen monitors
- Arm swivels 340 degrees at monitor end and 180 degrees at mounting end

- Display tilts forward 15 degrees and back 45 degrees to reduce glare
 - Folds up within 5-in. of the wall
 - Display and keyboard stay level as they travel vertically
 - Side cable manager protects cables and cords from pulling or chafing
 - Easily installs on a wall or vertical surface
 - VELCRO® included to affix keyboard to mounting surface
 - Monitor, keyboard and mouse are not included
- VELCRO is a trademark of Velcro Industries B.V.*

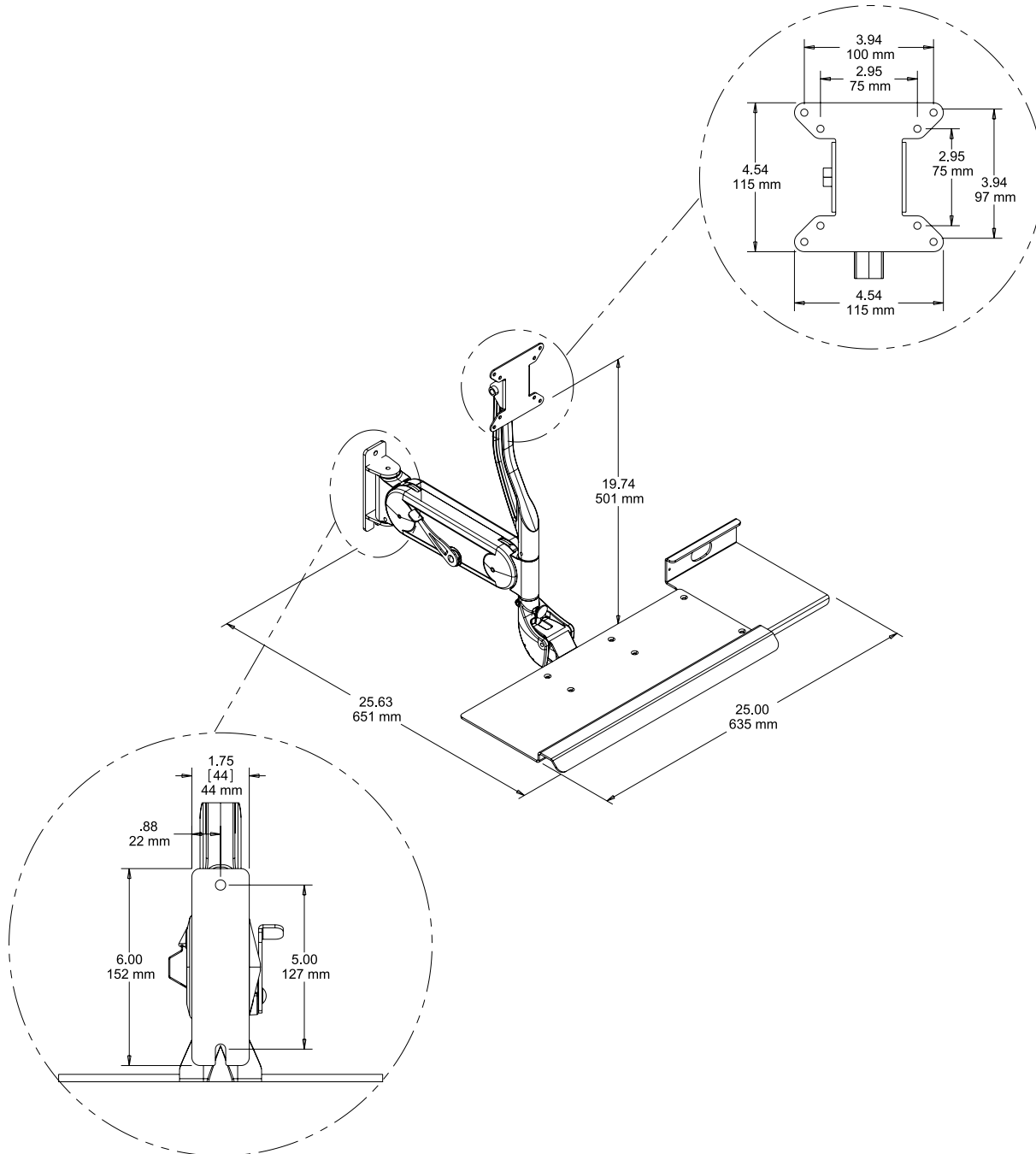
Specifications

- Aluminum construction
- RAL 7035 light-gray finish
- Gas spring counterbalance

Bulletin: VM5

Standard Product

Catalog Number	AxBxC in./mm	Description	Arm Weight (lb.)	Arm Weight (kg)
VAMONITOR	21.22 x 25.00 x 25.63 539 x 635 x 651	SYSPEND Monitor and Keyboard Arm	20.0	9.07



SYSPEND™ VL-Motion Arm and Accessories

SYSPEND™ VL-Motion Arm, Type 4



Industry Standards

Maintains NEMA Type 4 and 12 and IEC IP66 enclosure rating when properly installed per Hoffman instructions.

Application

Vertical motion pendant arm effortlessly lifts, lowers and repositions HMI enclosures in NEMA Type 4 and 12 environments. Gas spring counterbalance can be adjusted for loads of 30-100 lb. Release handle and locking mechanism are ideal for applications where machine vibration is a concern.

Features

- Field-adjustable gas-spring counterbalance supports loads of 30-100 lbs.
- Gas springs are set to maximum pressure (100 lb. load) and lifting force can be reduced through a sealed access cap in the top of the arm (*Lifting force cannot be increased once spring pressure is reduced.*)
- Provides 13 in. of vertical height adjustment

- Release handle (included with arm) automatically locks arm in place when repositioned vertically (release handle is required to operate the arm)
- Easily interfaces with Hoffman HMI enclosures using a 60-x-60-mm enclosure mounting pattern (enclosure must be ordered separately)
- 1.4-in. internal cable pathway maintains NEMA Type 4 and 12 enclosure rating and protects wires and cables
- Gasketed mounting surfaces at both ends of arm maintain seal integrity
- Enclosure and arm can be swiveled 320 degrees
- Wall-mount, machine-top-mount and post-top-mount options available
- Optional floorpost available

Specifications

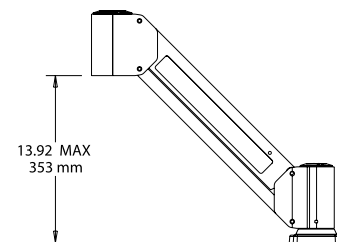
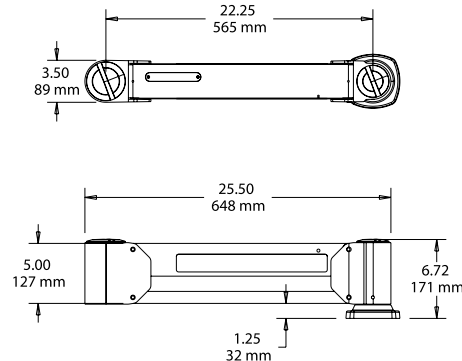
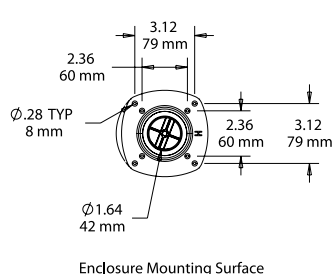
- Aluminum construction
- RAL 7035 light-gray finish
- Gas spring counterbalance

Bulletin: VM4

Standard Product

Catalog Number	AxBxC in./mm	Description ^a	Wall-Mount Adapter	Post-Top-Mount Adapter	Machine-Top-Mount Adapter	Load Capacity (lbs.)	Load Capacity (kg)	Arm Weight (lb.)	Arm Weight (kg)
VL22	6.72 x 25.50 x 3.50 171 x 648 x 89	VL-Motion Arm, 22-in.	VLWALL	VLPOST	VLMACHINE	30-100	14-45	20.0	9.07

^a Mounting adapter required. Order separately.
Release handle included with arm.



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SYSPEND™ VL-Motion Arm and Accessories

Wall-Mount Adapter

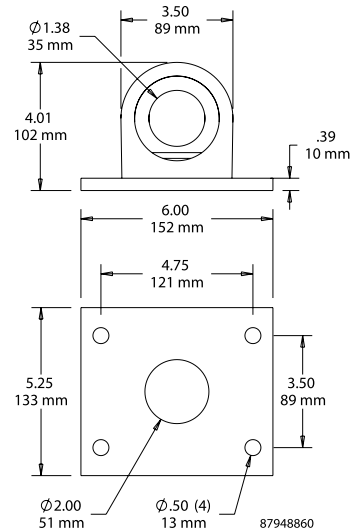


Order separately to install the SYSPEND™ VL-Motion Arm on a wall or vertical surface.

- RAL 7035 light-gray polyester powder paint finish
- Includes hardware to mount the adapter to the arm
- Hardware for mounting to the wall is not included

Bulletin: VM4

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VLWALL	5.25 x 6.00 x 4.01 133 x 152 x 102	VL-Motion Arm Wall-Mount Adapter	8.0	3.63



Machine-Top-Mount Adapter

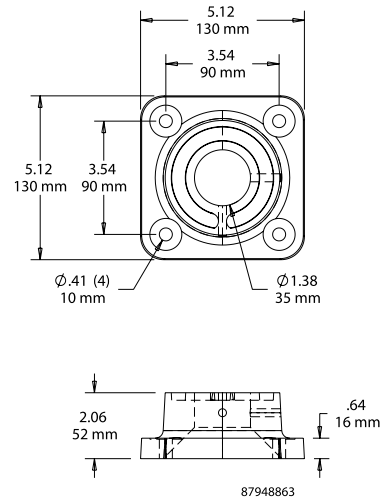


Order separately to install the SYSPEND™ VL-Motion Arm on a machine top or horizontal surface.

- RAL 7035 light-gray polyester powder paint finish
- Includes hardware to mount the adapter to the arm
- Hardware for mounting to a horizontal surface is not included

Bulletin: VM4

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VL MACHINE	5.12 x 5.12 x 2.06 130 x 130 x 52	VL-Motion Arm Machine-Top-Mount Adapter	8.0	3.63



SYSPEND™ VL-Motion Arm and Accessories

Post-Mount Adapter

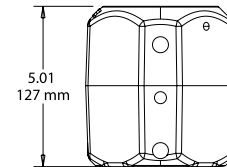
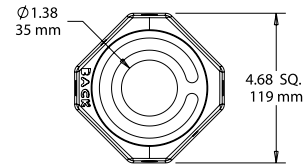


Order separately to install the SYSPEND™ VL-Motion Arm on a 3.5-in. OD tube.

- RAL 7035 light-gray polyester powder paint finish
- Includes hardware to mount the adapter to the arm and set screws to attach to a tube

Bulletin: VM4

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VLPOST	5.01 x 4.68 x 4.68 127 x 119 x 119	VL-Motion Arm Post-Mount Adapter	8.0	3.63



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Floorpost with Junction Box

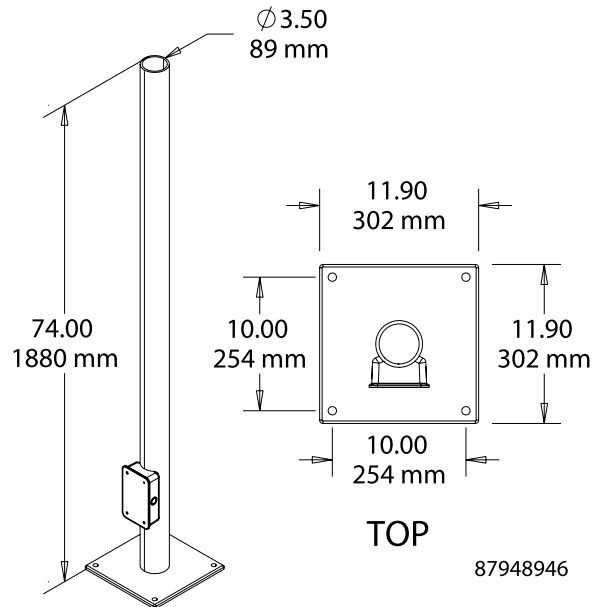


Provides method for mounting the SYSPEND™ VL and VHD Motion Arms when a structural surface is not available.

- Heavy-wall 3.5-in. structural tube welded to a 12 x 12 x 3/8-in.-thick baseplate
- Provides a "rough-in" point and pull box for power and network field wiring
- Includes internal CAT5 coupler and finger-safe power terminals
- Two conduit knock-outs can be opened to either 1/2 in. or 3/4 in.
- Fully gasketed 16 gauge cover panel on junction box can be used for additional conduit attachment
- Tough, molded ABS junction box is contoured to fit the post and is fluted into the post to protect cables

Bulletin: VM4

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
FLOORPOST	11.90 x 11.90 x 74.00 302 x 302 x 1880	Floorpost with Junction Box	65.0	29.48



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SYSPEND™ VL-Motion Arm and Accessories

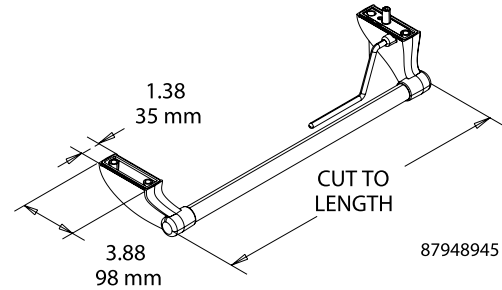
Replacement Release Handle



Replacement release handle for use with the SYSPEND™ VL-Motion Arm. (Handle is included with the VL-Motion Arm.) Includes handle end supports with 491 mm (19.3 in.) tube that can be easily cut to length to fit the enclosure.

Bulletin: HB1

Catalog Number	AxBxC in./mm	Description
VLHANDLE	3.88 x 1.38 x 19.30 99 x 35 x 490	Replacement Release Handle for VL-Motion Arm

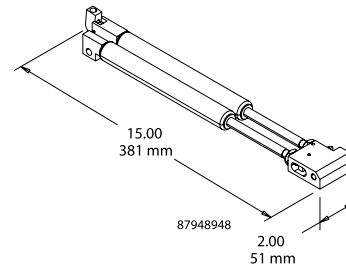


Replacement Gas Springs

Includes instructions for field replacement of gas springs for the SYSPEND™ VL-Motion Arm.

Bulletin: HB1

Catalog Number	AxB in./mm	Description
VLSPRINGS	2.00 x 15.00 51 x 381	Replacement Gas Springs for VL-Motion Arm



SYSPEND™ VHD-Motion Arm and Accessories

SYSPEND™ VHD-Motion Arm, Type 4



Industry Standards

Maintains NEMA Type 4 and 12 and IEC IP66 enclosure rating when properly installed per Hoffman instructions.

Application

Heavy-duty vertical motion pendant arm effortlessly lifts, lowers and repositions HMI enclosures in NEMA Type 4 and 12 environments. Two arm lengths are available with field-adjustable counterbalances to support loads up to 125 lb. No release handle is required to operate the arm.

Features

- 26-in. arm supports loads of 45-125 lb. with 13-in. of vertical height adjustment
- 36-in. arm supports loads of 25-75 lb. with 20-in. of vertical height adjustment
- Field-adjustable gas spring counterbalance allows the user to adjust lifting force by turning an adjustment mechanism under the arm
- Angle of gas springs is adjustable (not the pressure); allows lifting force to be increased or decreased at any time for changes in load

- Tension adjustment at front of the arm provides additional fine-tuning of lifting force
- No locking enclosure handle required; enclosure stays in place after repositioning
- Easily interfaces with Hoffman HMI enclosures using a 60-x-60-mm enclosure mounting pattern (enclosure must be ordered separately)
- 1.3-in. internal cable pathway maintains NEMA Type 4 and 12 enclosure rating and protects wires and cables
- Gasketed mounting surfaces at both ends of arm maintain seal integrity
- Enclosure and arm can be swiveled 330 degrees with swivel stops available in 30-degree increments
- Standard models are available with machine-top mounting (wall-mount and post-mount adapters sold separately)
- Optional floorpost available

Specifications

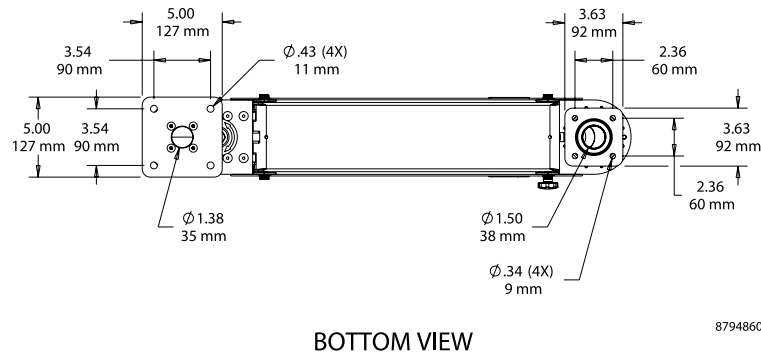
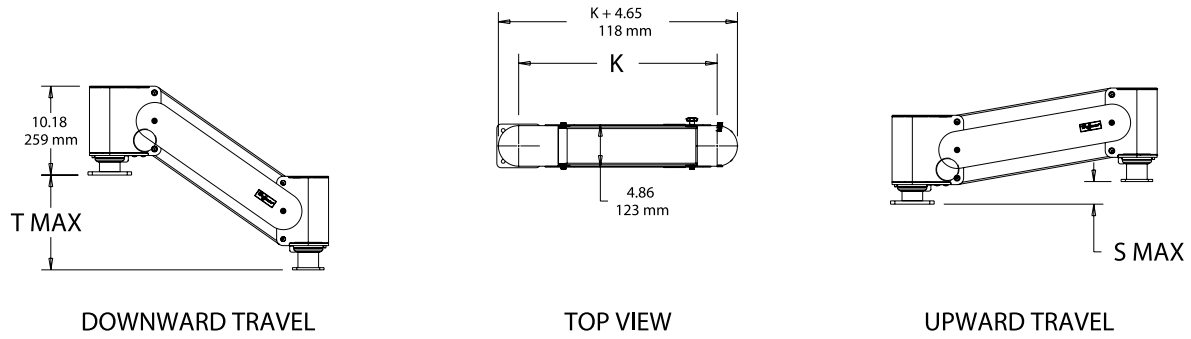
- Mild steel construction
- RAL 7035 light-gray finish with black end supports
- Gas spring counterbalance

Bulletin: DMID, VM2

Standard Product

Catalog Number	AxBxC in./mm	Description	Wall-Mount Adapter	Post-Mount Adapter	Load Capacity (lb.)	Load Capacity (kg)	Arm Weight (lbs.)	Arm Length mm/in.	K mm/in.	S mm/in.	T mm/in.
VHD26	10.18 x 30.65 x 4.86 259 x 779 x 123	VHD-Motion Arm, 26-in. Machine-Top Mount	VHDWALL	VHDPOST	45-125	20-57	54	25 26.00	660 3.00	76 10.00	254
VHD36	10.18 x 40.65 x 4.86 259 x 1033 x 123	VHD-Motion Arm, 36-in. Machine-Top Mount	VHDWALL	VHDPOST	25-75	11-37	60	27 36.00	914 4.00	102 16.00	406

SYSPEND™ VHD-Motion Arm and Accessories



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SYSPEND™ VHD-Motion Arm and Accessories

Wall-Mount Adapter

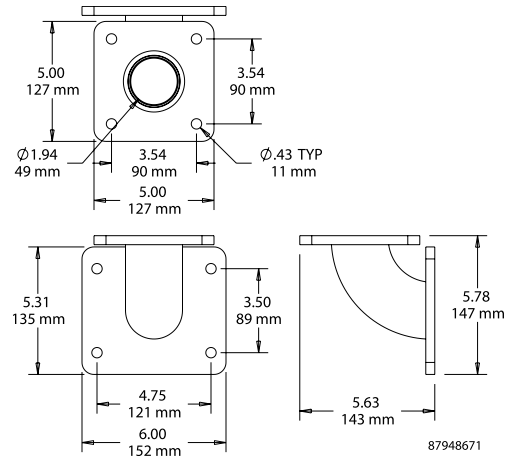


Order separately when installing the SYSPEND™ VHD-Motion Arm to a wall or vertical surface.

- RAL 7035 light-gray polyester powder paint finish
- Includes hardware to mount the adapter to the arm
- Hardware for mounting to the wall is not included

Bulletin: VM2

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VHDWALL	5.78 x 5.63 x 5.00 147 x 143 x 127	VHD-Motion Arm Wall-Mount Adapter	10.0	4.54



Post-Mount Adapter

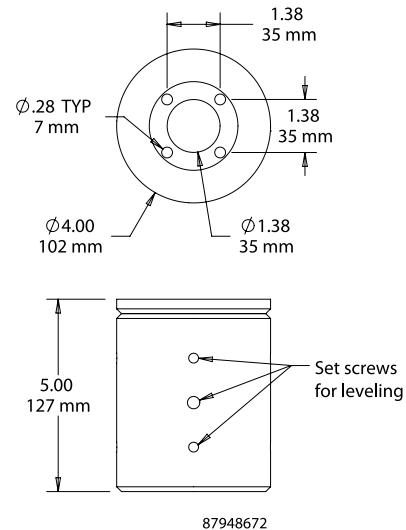


Order separately when installing the SYSPEND™ VHD-Motion Arm to a 3.5-in. OD tube.

- RAL 7035 light-gray polyester powder paint finish
- Includes hardware to mount the adapter to the arm and setscrews for mounting to a tube

Bulletin: VM2

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VHDPOST	5.00 x 4.00 x 4.00 127 x 102 x 102	VHD-Motion Arm Post-Mount Adapter	6.5	2.95



Floorpost with Junction Box

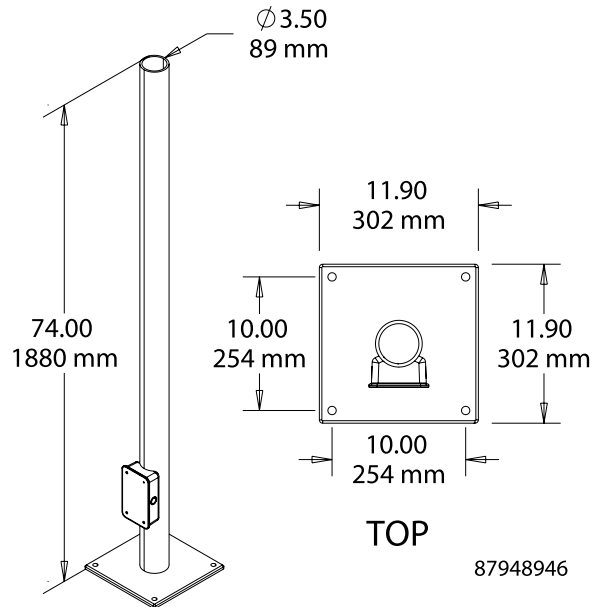


Provides method for mounting the SYSPEND™ VL and VHD Motion Arms when a structural surface is not available.

- Heavy-wall 3.5-in. structural tube welded to a 12 x 12 x 3/8-in.-thick baseplate
- Provides a “rough-in” point and pull box for power and network field wiring
- Includes internal CAT5 coupler and finger-safe power terminals
- Two conduit knock-outs can be opened to either 1/2 in. or 3/4 in.
- Fully gasketed 16 gauge cover panel on junction box can be used for additional conduit attachment
- Tough, molded ABS junction box is contoured to fit the post and is fluted into the post to protect cables

Bulletin: VM4

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
FLOORPOST	11.90 x 11.90 x 74.00 302 x 302 x 1880	Floorpost with Junction Box	65.0	29.48



Handles



Accessory handle kits are available to allow for easy repositioning of the enclosure. Handles attach inside enclosure with provided hardware. Handles are not required to use the SYSPEND™ VHD-Motion Arm.

- Use CHDLK with CONCEPT HMI enclosures
- Use CCCHDL with CC3000 enclosures

Bulletin: C2, CC3

Catalog Number	Description	Weight (lb.)
CCCHDL	Aluminum Command Handle	.7
CHDLK	One pair of handles and mounting hardware	1.7

SYSPEND™ VHDS-Motion Arm and Accessories

SYSPEND™ VHDS-Motion Arm, Type 4X



Industry Standards

Maintains NEMA Type 4, 4X and 12 and IEC IP 66 enclosure ratings when properly installed per Hoffman instructions.

Application

Heavy-duty, stainless steel vertical motion pendant arm provides corrosion resistance and suspends process and control equipment for easy cleaning. Operators in NEMA Type 4X environments can effortlessly lift, lower and reposition HMI enclosures using the pendant arm's field-adjustable counterbalance.

Features

- Corrosion resistant stainless steel housing with provisions for water drainage from arm
- 26-in. arm supports loads of 45-125 lb. with 13-in. of vertical height adjustment
- 36-in. arm supports loads of 25-75 lb. with 20-in. of vertical height adjustment
- Field-adjustable gas spring counterbalance allows the user to adjust lifting force by turning an adjustment mechanism under the arm
- Angle of gas springs is adjustable (not the pressure); allows lifting force to be increased or decreased at any time for changes in load

- Tension adjustment at front of the arm provides additional fine-tuning of lifting force
- No locking enclosure handle required; enclosure stays in place when repositioned
- Easily interfaces with Hoffman HMI enclosures using a 60-x-60-mm enclosure mounting pattern (enclosure must be ordered separately; not for use with CS480 enclosures)
- 1.25-in. internal cable pathway maintains Type 4, 4X and 12 enclosure rating and protects wires and cables
- Gasketed mounting surfaces at both ends of arm maintain seal integrity
- Enclosure and arm can be swiveled 330 degrees with swivel stops available in 30 degree increments
- Standard models are available with machine-top mounting (wall-mount and post-mount adapters sold separately)
- Optional floorpost available

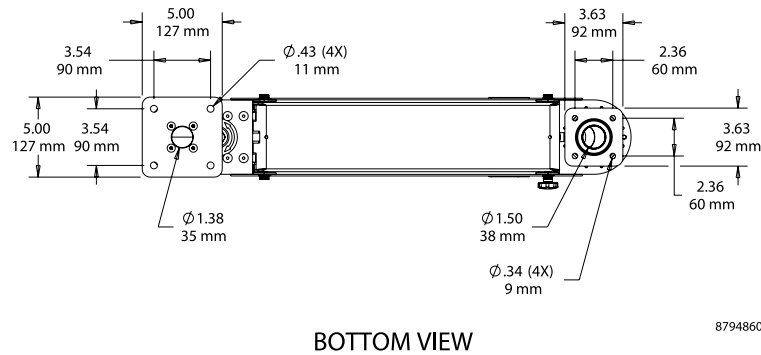
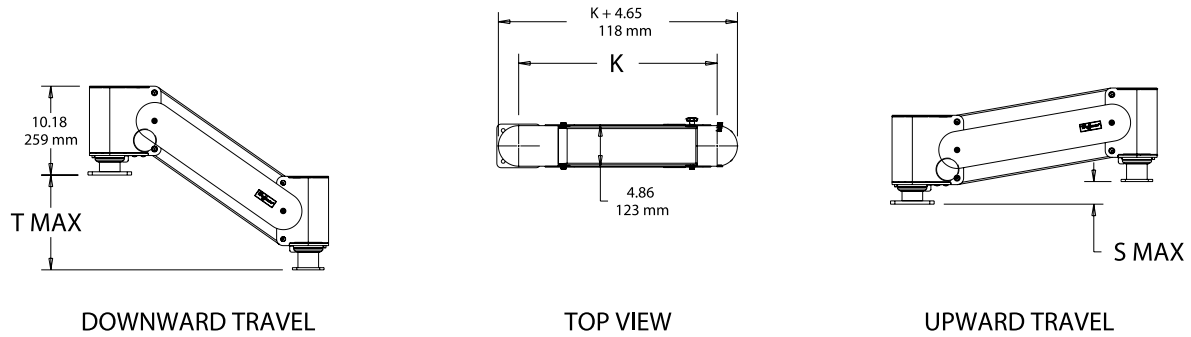
Specifications

- Type 304 stainless steel construction
- Gas spring counterbalance

Bulletin: DBB, VM3

Catalog Number	AxBxC in./mm	Description	Wall-Mount Adapter	Post-Mount Adapter	Load Capacity (lb.)	Load Capacity (kg)	Arm Weight (lb.)	Arm Weight (kg)	K in./mm	S in./mm	T in./mm
VHDS26	10.18 x 30.65 x 4.86 259 x 779 x 123	VHDS-Motion Arm, 26-in. Machine-Top Mount	VHDSWALL	VHDSPOST	45-125	20-57	54	25	26.00 660	3.00 76	10.00 254
VHDS36	10.18 x 40.65 x 4.86 259 x 1033 x 123	VHDS-Motion Arm, 36-in. Machine-Top Mount	VHDSWALL	VHDSPOST	25-75	11-37	60	27	36.00 914	4.00 102	16.00 406

SYSPEND™ VHDS-Motion Arm and Accessories



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SYSPEND™ VHDS-Motion Arm and Accessories

Wall-Mount Adapter

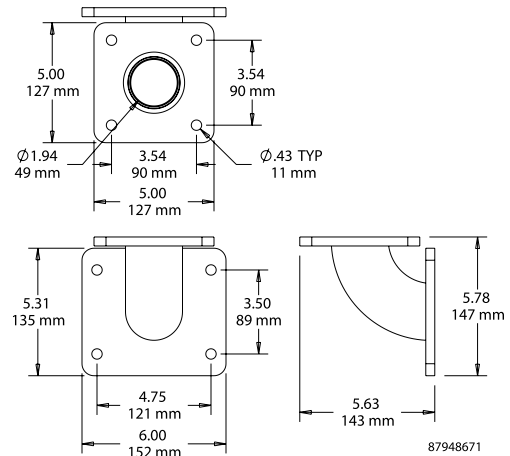


Order separately to install the SYSPEND™ VHDS-Motion Arm on a wall or vertical surface.

- Type 304 stainless steel
- Includes hardware to mount the adapter to the arm
- Hardware for mounting to the wall is not included

Bulletin: VM3

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VHDSWALL	5.78 x 5.63 x 5.00 147 x 143 x 127	VHDS-Motion Arm Wall-Mount Adapter	10.0	4.54



Post-Mount Adapter

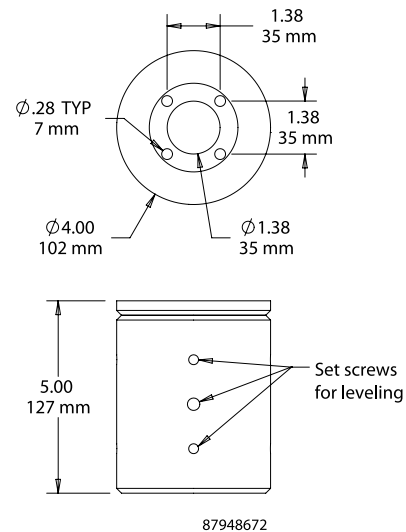


Order separately when installing the SYSPEND™ VHDS-Motion Arm to a 3.5-in. OD tube.

- Type 304 stainless steel
- Includes hardware to mount the adapter to the arm and setscrews for mounting to a tube

Bulletin: VM3

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
VHDSPOST	5.00 x 4.00 x 4.00 127 x 102 x 102	VHDS-Motion Arm Post-Mount Adapter	7.0	3.18



SYSPEND™ VHDS-Motion Arm and Accessories

Stainless Steel Floorpost with Junction Box

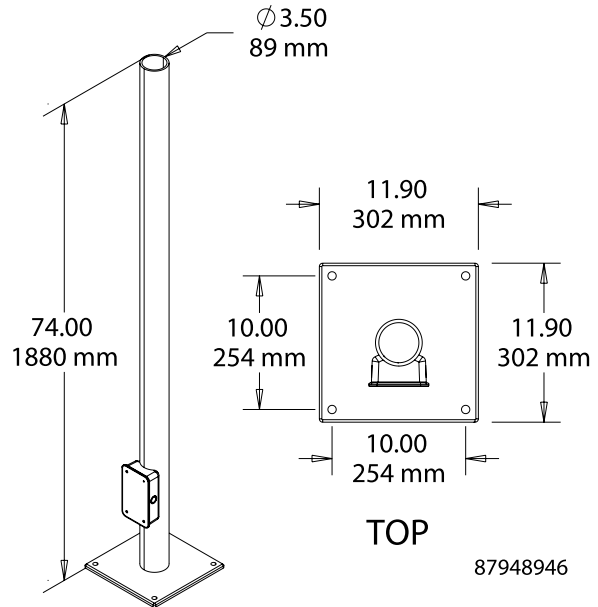


Provides method for mounting the SYSPEND™ VHDS-Motion Arm when a structural surface is not available.

- Heavy-wall 3.5-in. structural tube welded to a 12 x 12 x 3/8-in.-thick baseplate
- Provides a “rough-in” point and pull box for power and network field wiring
- Includes internal CAT5 coupler and finger-safe power terminals
- Two conduit knock-outs can be opened to either 1/2 in. or 3/4 in.
- Fully gasketed 16 gauge cover panel on junction box can be used for additional conduit attachment
- Tough, molded ABS junction box is contoured to fit the post and is fluted into the post to protect cables

Bulletin: VM3

Catalog Number	AxBxC in./mm	Description	Weight (lb.)	Weight (kg)
FLOORPOSTSS	11.90 x 11.90 x 74.00	Stainless Steel Floorpost with Junction Box		
	302 x 302 x 1880			



Handles



Handles are stainless steel for mounting on enclosure sides. Mounting hardware included. Enclosure machining required. (Handles are not required to use the SYSPEND™ VHDS-Motion Arm.)

Bulletin: CCR6Y

Catalog Number	Description	Weight (lb.)
CCSSHDL	Handles for CC480/600 enclosures	5.0