

PROLINE® Modular Enclosures Product Description



The PROLINE Modular Enclosure system is designed to protect electrical and electronic equipment in industrial, local area networking, and telecommunications applications. Each enclosure provides full protection from dirt, dust, moisture, oil, and other contaminants. Standard versions of PROLINE also shield against electromagnetic and radio frequency interference (EMC).

PROLINE enclosures consist of a rugged frame that protects your equipment from the stresses of movement and shipping. Select from a wide variety of tops, bases, covers, sides, and doors to configure a customized solution. After you've selected the external components, the complete PROLINE offering of rack angle, subpanel, and grid mounting options allows you to install your equipment securely within the enclosure. Mounting options accommodate rack mount equipment, operator interfaces, industrial control equipment, and computer systems, as well as manage wiring and cabling.

Hoffman manufactures and supports PROLINE worldwide to meet the needs of our global customers.

Construction

- Frames are of a single-roll-formed, robotically welded design made of 12 gauge steel with solid steel fully welded corners
- External sides and doors are 16 or 14 gauge steel
- Window doors are fully welded aluminum extrusions
- Standard door bars increase strength and rigidity and allow for an extra mounting surface
- Seamless foam-in-place gasket on external accessories provides a watertight, dusttight seal against moisture and contaminants
- Patented latching system assures a solid seal with low closure force
- Integral frame channels support the full weight of the subpanels
- Frames accommodate the 25mm DIN standard and include rectangular holes for clip nuts and thru holes for use with thread-forming screws

Finish

See individual product or component descriptions. Light gray color is RAL 7035 textured polyester powder paint, and black accent color is RAL 9005 textured polyester powder paint.

Industry Standards

Gasketed assembled enclosures

UL 508A, File Number E61997: Type I2
NEMA/EMAC Type I2
CSA File Number 42186: Type I2
VDE IP55
IEC 60529, IP55

EMC assembled enclosures

UL 508A, File Number E61997: Type I
NEMA/EMAC Type I
CSA File Number 42186: Type I
IEC 60529, IP30

PROLINE® Modular Enclosures

Product Description

Patents

This product is covered by the following patents:

Latch System US 5,642,909
Retaining Clip US 5,704,100
SS EMI/RFI Spring Fingers DE 19614692C1
Frame Mounting Nut DE 19544834C1
Frame Mounting Nut FR 2742019
Frame Mounting Nut GB 230386
Frame Mounting Nut US 5,807,008
Frame Mounting Nut JP 2945877
Panel Glide Block US 5,292,189
Small Flush Swing Handle US 391,143
Door Bar Construction DE 29516362W
Latch Retaining Clip US 5,704,100
Small Flush Handle (Design) US 391,143
Glass Window Door (Design) US 402,639
Glass Window Door (Utility) US 5,902,026
Double Door Latch US 5,879,035
Double Door Latch (Design) US 400,076
Small Handle US 5,862,690
Small Handle (Design) DE 9702871.1
Small Handle (Design) FR 971651
Small Handle (Design) GB 2064330
Large Swing Handle (Design) GB 2058526
Large Swing Handle (Design) FR 964896
Enclosure Hinge US 5,722,121
Server Door Latch (Design) GB 2058804
Server Door Latch (Design) DE 96 06 788.8
Server Door Latch (Design) FR 964895
Server Door Latch (Design) US 396,397
SS EMI/RFI Spring Fingers FR 2 747 533
SS EMI/RFI Spring Fingers GB 2 308 016
SS EMI/RFI Spring Fingers US 5,894,106
SS EMI/RFI Spring Fingers IT 1 290 830
Other patents pending.

Options

Frames

- Frame sizes available with painted or plated finish
- Single- and double-bay frames for maximum flexibility
- Frames can be joined easily to create multi-bay applications
- Frames available specifically for protecting computer systems and operator interface equipment

External Components

- Solid doors include standard door bars for additional mounting space and rigidity
- Window doors include safety glass or polycarbonate windows
- Doors accept a variety of aesthetic yet rugged handle options
- Bases include solid, vented, plinth, and transportation styles to match your application
- Tops include solid, vented with fans, pagoda with fan, high-performance pagoda with centrifugal blower, and top-mounted air conditioners for thermal management
- Solid sides and covers fasten directly to the frame
- Type 304 stainless steel offerings throughout the product line in addition to the basic steel offering, many external components also are available for medium-level EMC shielding using a metal fabric gasket.

Internal Components

- Subpanels can be mounted in 22mm increments from front to rear and on the sides
- Swing-out panels extend access from inside to outside the enclosure
- Subpanels in joined enclosures provide a flush surface for easier assembly and wire management
- Rack mounting capabilities include 19", 23", 24", and metric
- Swing-out rack frames allow access to plugs and connectors on back of equipment
- Grid systems support a variety of mounting applications

Ordering

PROLINE products can be supplied in any of the following ways to best suit your needs:

Customer Specified Assemblies

Hoffman will ship PROLINE assembled enclosures as part of our Assemble-to-Order (A-T-O) program. Most external and internal components are available and can be installed in customer-specified locations. Items available under the A-T-O program are identified with the A-T-O symbol. Work with your Hoffman Distributor to configure your PROLINE A-T-O enclosure.

Assembled Enclosures

PROLINE enclosures are available preconfigured for computer system (PC) applications, operator interface (SY) applications, industrial applications, and double-door disconnect (DD) applications. These options allow you to select a complete system that includes the frame, sides, top, base, doors, and internal mounting accessories by simply ordering one catalog number.

Individual Parts

If your process is better-suited to receiving individual PROLINE parts and completing the assembly yourself, we can accommodate you. Frames and external components are available for shipment from our warehouse or Distributor stock.

Modification Services

Hoffman offers modifications to suit your needs. Depending on the product, you can specify modifications to PROLINE products.

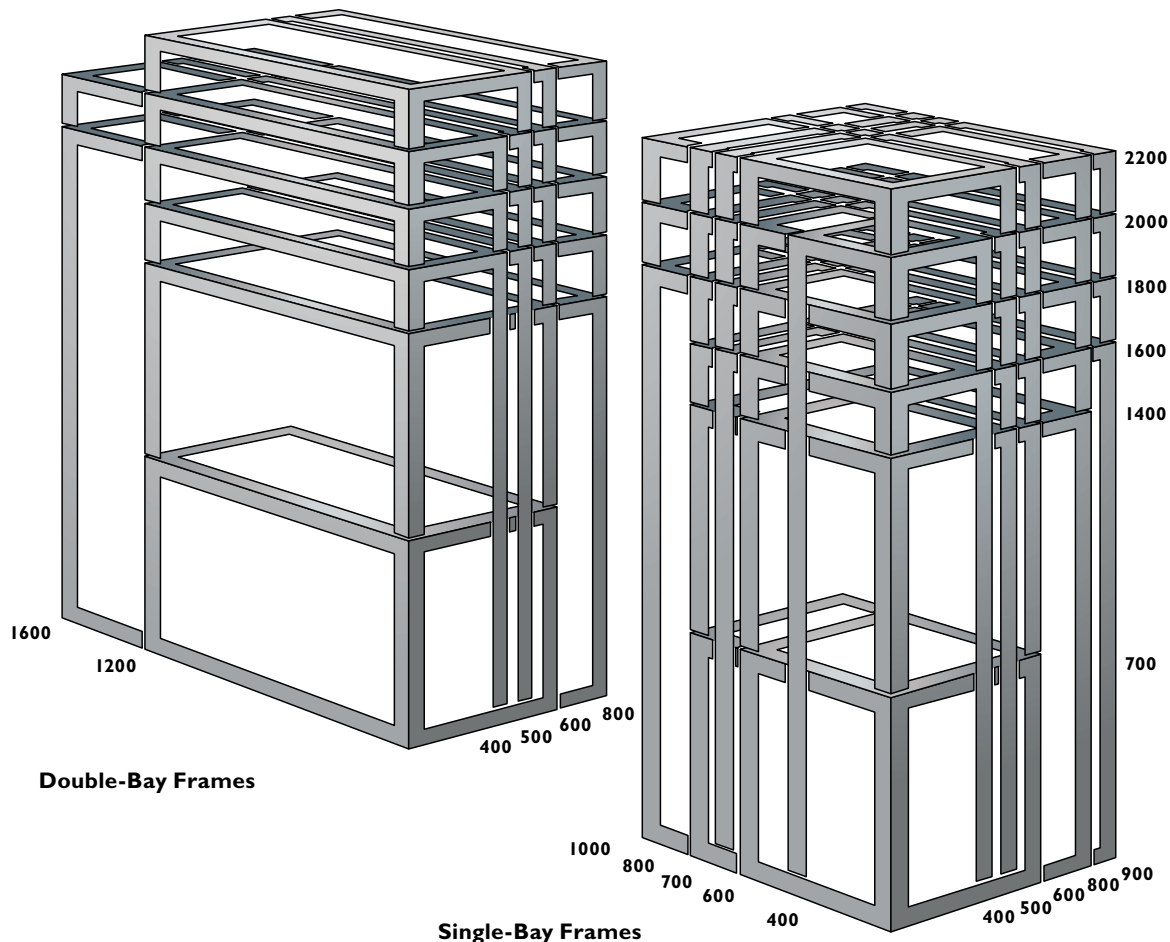
Finally, if your requirements include an application-specific component or accessory, we can work with you to develop a solution that meets your needs. Work with your local Hoffman Distributor or the Hoffman sales office for these specific enclosure requirements.

Selection

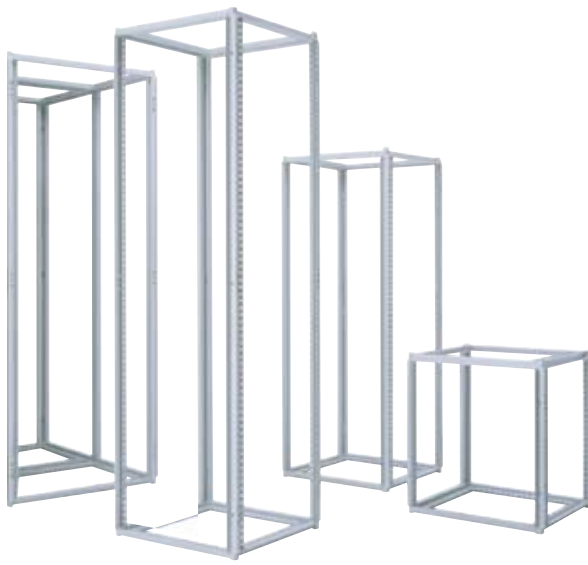
A full range of sizes for single- and double-bay applications
PROLINE offers the broadest range of standard sizes in the industry.
Heights range from 700mm to 2200mm; widths range from 400mm to 1000mm (for single-bay frames) and from 1200mm to 1600mm (for double-bay frames). Depths range from 400mm to 900mm.



	Heights (mm)	Widths (mm)	Depths (mm)
Single-Bay Frames	700mm	600 & 800mm	600mm
	1400mm	600 & 800mm	500, 600, & 800mm
	1600mm	600, 700, & 800mm	400, 500, 600, & 800mm
	1800mm	600, 700, 800, & 1000mm	400, 500, 600, & 800mm
	2000mm	400, 600, 700, 800, & 1000mm	400, 500, 600, & 800mm
	2200mm	600, 700, 800, & 1000mm	500, 600, 800, & 900mm
Double-Bay Frames	700mm	1200mm	600mm
	1600mm	1200mm	400, 500, 600, & 800mm
	1800mm	1200mm & 1600mm	400, 500, 600, & 800mm
	2000mm	1200mm & 1600mm	400, 500, 600, & 800mm
	2200mm	1200mm	500, 600, & 800mm



Single-Bay Frames



Construction

- Welded corners with steel corner blocks that add strength and rigidity
- 12 gauge, roll-formed frame sections for strength
- Flange on door and side openings deflect liquids away from the enclosure interior
- Rectangular frame holes are designed for metric cage nut fasteners
- Round frame holes allow numerous grounding locations using M5 thread-forming screws
- Access to both sides of frame mounting holes allows standard components to be easily installed
- Provisions for slide-in subpanel, rack mounting, and accessory mounting
- Simple means for joining frames to create multiple-bay enclosures
- An open roll formed profile design affords complete surface corrosion protection and assembly access
- Sealed mounting for all external and internal accessories
- Finished with RAL 7035 textured light gray polyester powder paint

Standard Sizes Single-Bay Frames **A-T-O**

Catalog Number	Nominal Frame Size A x B x C (mm)	A x B x C mm (in.)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mounting Space ^a
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
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
PF1466	1400 x 600 x 600	1380 x 599 x 588 (54.33 x 23.58 x 23.15)	1285 x 530	50.59 x 20.87	28U
PF1468	1400 x 600 x 800	1380 x 599 x 788 (54.33 x 23.58 x 31.02)	1285 x 530	50.59 x 20.87	28U
PF1485	1400 x 800 x 500	1380 x 799 x 488 (54.33 x 31.46 x 19.21)	1285 x 530	50.59 x 20.87	28U
PF1488	1400 x 800 x 800	1380 x 799 x 788 (54.33 x 31.46 x 31.02)	1285 x 530	50.59 x 20.87	28U
PF1664	1600 x 600 x 400	1580 x 599 x 388 (62.20 x 23.58 x 15.28)	1485 x 530	58.46 x 20.87	33U
PF1666	1600 x 600 x 600	1580 x 599 x 588 (62.20 x 23.58 x 23.15)	1485 x 530	58.46 x 20.87	33U
PF1668	1600 x 600 x 800	1580 x 599 x 788 (62.20 x 23.58 x 31.02)	1485 x 530	58.46 x 20.87	33U
PF1686	1600 x 800 x 600	1580 x 799 x 588 (62.20 x 31.46 x 23.15)	1485 x 730	58.46 x 28.74	33U
PF1688	1600 x 800 x 800	1580 x 799 x 788 (62.20 x 31.46 x 31.02)	1485 x 730	58.46 x 28.74	33U
PF1866	1800 x 600 x 600	1780 x 599 x 588 (70.08 x 23.58 x 23.15)	1685 x 530	66.34 x 20.87	38U
PF1868	1800 x 600 x 800	1780 x 599 x 788 (70.08 x 23.58 x 31.02)	1685 x 530	66.34 x 20.87	38U
PF1884	1800 x 800 x 400	1780 x 799 x 388 (70.08 x 31.46 x 15.28)	1685 x 730	66.34 x 28.74	38U
PF1885	1800 x 800 x 500	1780 x 799 x 488 (70.08 x 31.46 x 19.21)	1685 x 730	66.34 x 28.74	38U
PF1886	1800 x 800 x 600	1780 x 799 x 588 (70.08 x 31.46 x 23.15)	1685 x 730	66.34 x 28.74	38U
PF1888	1800 x 800 x 800	1780 x 799 x 788 (70.08 x 31.46 x 31.02)	1685 x 730	66.34 x 28.74	38U
PF18105	1800 x 1000 x 500	1780 x 999 x 488 (70.08 x 39.33 x 19.21)	1685 x 930	66.34 x 36.61	38U
PF18106	1800 x 1000 x 600	1780 x 999 x 588 (70.08 x 39.33 x 23.15)	1685 x 930	66.34 x 36.61	38U
PF18108	1800 x 1000 x 800	1780 x 999 x 788 (70.08 x 39.33 x 31.02)	1685 x 930	66.34 x 36.61	38U

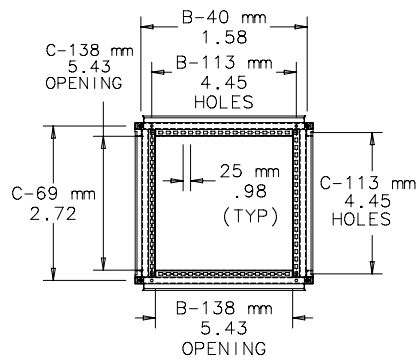
Single-Bay Frames

Standard Sizes Single-Bay Frames (Cont.)

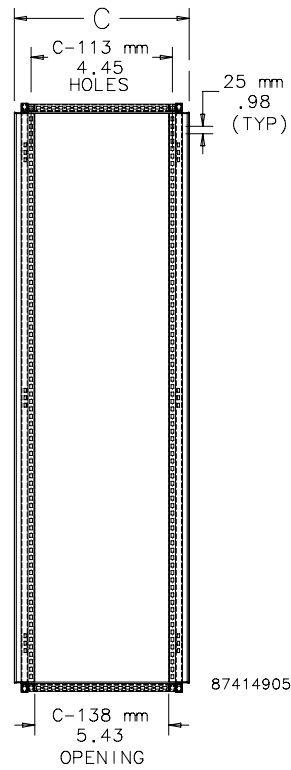
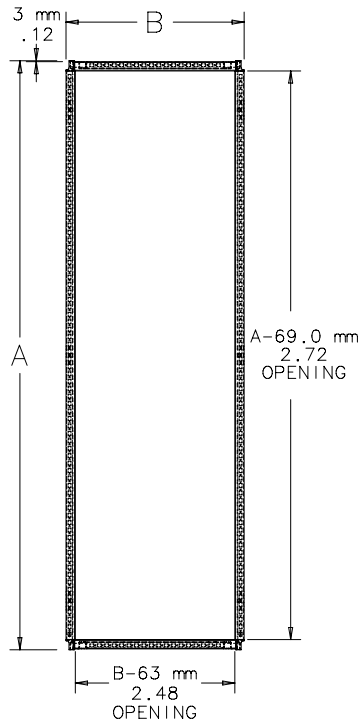
Catalog Number	Nominal Frame Size A x B x C (mm)	A x B x C mm (in.)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mounting Space ^a
PF2064	2000 x 600 x 400	1980 x 599 x 388 (77.95 x 23.58 x 15.28)	1885 x 530	74.21 x 20.87	42U
PF2045	2000 x 400 x 500	1980 x 388 x 488 (77.95 x 15.28 x 19.21)	1885 x 530	74.21 x 20.87	42U
PF2065	2000 x 600 x 500	1980 x 599 x 488 (77.95 x 23.58 x 19.21)	1885 x 530	74.21 x 20.87	42U
PF2046	2000 x 400 x 600	1980 x 388 x 588 (77.95 x 15.28 x 23.15)	1885 x 530	74.21 x 20.87	42U
PF2066	2000 x 600 x 600	1980 x 599 x 588 (77.95 x 23.58 x 23.15)	1885 x 530	74.21 x 20.87	42U
PF2068	2000 x 600 x 800	1980 x 599 x 788 (77.95 x 23.58 x 31.02)	1885 x 530	74.21 x 20.87	42U
PF2076	2000 x 700 x 600	1980 x 699 x 588 (77.95 x 27.52 x 23.15)	1885 x 630	74.21 x 24.80	42U
PF2078	2000 x 700 x 800	1980 x 699 x 788 (77.95 x 27.52 x 31.02)	1885 x 630	74.21 x 24.80	42U
PF2084	2000 x 800 x 400	1980 x 799 x 388 (77.95 x 31.46 x 15.28)	1885 x 730	74.21 x 28.74	42U
PF2085	2000 x 800 x 500	1980 x 799 x 488 (77.95 x 31.46 x 19.21)	1885 x 730	74.21 x 28.74	42U
PF2086	2000 x 800 x 600	1980 x 799 x 588 (77.95 x 31.46 x 23.15)	1885 x 730	74.21 x 28.74	42U
PF2088	2000 x 800 x 800	1980 x 799 x 788 (77.95 x 31.46 x 31.02)	1885 x 730	74.21 x 28.74	42U
PF2089	2000 x 800 x 900	1980 x 799 x 888 (77.95 x 31.46 x 34.96)	1885 x 730	74.21 x 28.74	42U
PF20105	2000 x 1000 x 500	1980 x 999 x 488 (77.95 x 39.33 x 19.21)	1885 x 930	74.21 x 36.61	42U
PF20106	2000 x 1000 x 600	1980 x 999 x 588 (77.95 x 39.33 x 23.15)	1885 x 930	74.21 x 36.61	42U
PF20108	2000 x 1000 x 800	1980 x 999 x 788 (77.95 x 39.33 x 31.02)	1885 x 930	74.21 x 36.61	42U
PF2266	2200 x 600 x 600	2180 x 599 x 588 (85.83 x 23.58 x 23.15)	2085 x 530	82.09 x 20.87	47U
PF2268	2200 x 600 x 800	2180 x 599 x 788 (85.83 x 23.58 x 31.02)	2085 x 530	82.09 x 20.87	47U
PF2278	2200 x 700 x 800	2180 x 699 x 788 (85.83 x 27.52 x 31.02)	2085 x 630	82.09 x 24.80	47U
PF2279	2200 x 700 x 900	2180 x 699 x 888 (85.83 x 27.52 x 34.96)	2085 x 630	82.09 x 24.80	47U
PF2286	2200 x 800 x 600	2180 x 799 x 588 (85.83 x 31.46 x 23.15)	2085 x 730	82.09 x 28.74	47U
PF2288	2200 x 800 x 800	2180 x 799 x 788 (85.83 x 31.46 x 31.02)	2085 x 730	82.09 x 28.74	47U
PF22105	2200 x 1000 x 500	2180 x 999 x 488 (85.83 x 39.33 x 19.21)	2085 x 930	82.09 x 36.61	47U
PF22106	2200 x 1000 x 600	2180 x 999 x 588 (85.83 x 39.33 x 23.15)	2085 x 930	82.09 x 36.61	47U

^a 1 Unit = 1.75 inches (44mm)

Single-Bay Frames



NOTE:
Includes welded frame, and frame nuts,
(8 or 12) to attach exterior components.



Double-Bay Frames



Small frame is single-bay.

Features

PROLINE offers the broadest range of standard sizes in the industry. Heights range from 700mm to 2200mm; widths range from 1200mm to 1600mm. Depths range from 400mm to 800mm.

Construction

- Welded back centerpost
- No front centerpost for easy component installation
- Center top and bottom frame sections for internal component mounting
- Optional center uprights available to support mounting options
- Welded corners with steel corner blocks that add strength and rigidity
- 12 gauge, roll-formed frame sections for strength
- Flange on door and side openings deflects liquids away from the enclosure interior
- Rectangular frame holes are designed for metric cage nut fasteners
- Round frame holes allow numerous grounding locations using M5 thread-forming screws
- Access to both sides of frame mounting holes allows standard components to be easily installed
- Provisions for slide-in subpanel, rack mounting, and accessory mounting
- Simple means for joining frames to create multiple-bay enclosures
- An open roll-formed profile design affords complete surface corrosion protection and assembly access
- Sealed mounting for all external and internal accessories
- Finished with RAL 7035 textured light gray polyester powder paint

Standard Sizes Double-Bay Frames **AFO**

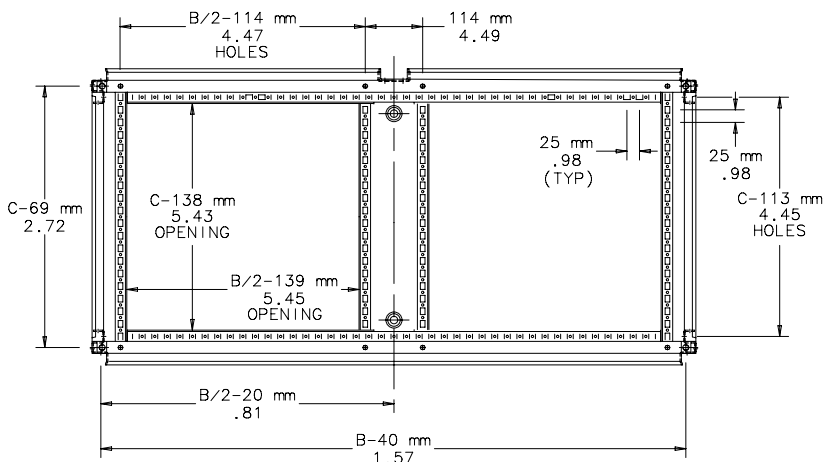
Catalog Number	Nominal Frame Size A x B x C (mm)	A x B x C mm (in.)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mounting Space ^a
PF7126	700 x 1200 x 600	680 x 1199 x 588 (26.77 x 47.2 x 23.15)	585 x 1130	23.03 x 44.49	13U x 2
PF16126	1600 x 1200 x 600	1580 x 1199 x 588 (62.20 x 47.2 x 23.15)	1485 x 1130	58.46 x 44.49	33U x 2
PF16128	1600 x 1200 x 800	1580 x 1199 x 788 (62.20 x 47.2 x 31.02)	1485 x 1130	58.46 x 44.49	33U x 2
PF18124	1800 x 1200 x 400	1780 x 1199 x 388 (70.08 x 47.2 x 15.28)	1685 x 1130	66.34 x 44.49	38U x 2
PF18125	1800 x 1200 x 500	1780 x 1199 x 488 (70.08 x 47.2 x 19.21)	1685 x 1130	66.34 x 44.49	38U x 2
PF18126	1800 x 1200 x 600	1780 x 1199 x 588 (70.08 x 47.2 x 23.15)	1685 x 1130	66.34 x 44.49	38U x 2
PF18128	1800 x 1200 x 800	1780 x 1199 x 788 (70.08 x 47.2 x 31.02)	1685 x 1130	66.34 x 44.49	38U x 2
PF18165	1800 x 1600 x 500	1780 x 1599 x 488 (70.08 x 62.95 x 19.21)	1685 x 1530	66.34 x 60.24	38U x 2
PF18166	1800 x 1600 x 600	1780 x 1599 x 588 (70.08 x 62.95 x 23.15)	1685 x 1530	66.34 x 60.24	38U x 2
PF18168	1800 x 1600 x 800	1780 x 1599 x 788 (70.08 x 62.95 x 31.02)	1685 x 1530	66.34 x 60.24	38U x 2
PF20124	2000 x 1200 x 400	1980 x 1199 x 388 (77.95 x 47.2 x 15.28)	1885 x 1130	74.21 x 44.49	42U x 2
PF20125	2000 x 1200 x 500	1980 x 1199 x 488 (77.95 x 47.2 x 19.21)	1885 x 1130	74.21 x 44.49	42U x 2
PF20126	2000 x 1200 x 600	1980 x 1199 x 588 (77.95 x 47.2 x 23.15)	1885 x 1130	74.21 x 44.49	42U x 2
PF20128	2000 x 1200 x 800	1980 x 1199 x 788 (77.95 x 47.2 x 31.02)	1885 x 1130	74.21 x 44.49	42U x 2
PF20165	2000 x 1600 x 500	1980 x 1599 x 488 (77.95 x 62.95 x 19.21)	1885 x 1530	74.21 x 60.24	42U x 2
PF20166	2000 x 1600 x 600	1980 x 1599 x 588 (77.95 x 62.95 x 23.15)	1885 x 1530	74.21 x 60.24	42U x 2
PF20168	2000 x 1600 x 800	1980 x 1599 x 788 (77.95 x 62.95 x 31.02)	1885 x 1530	74.21 x 60.24	42U x 2

Double-Bay Frames

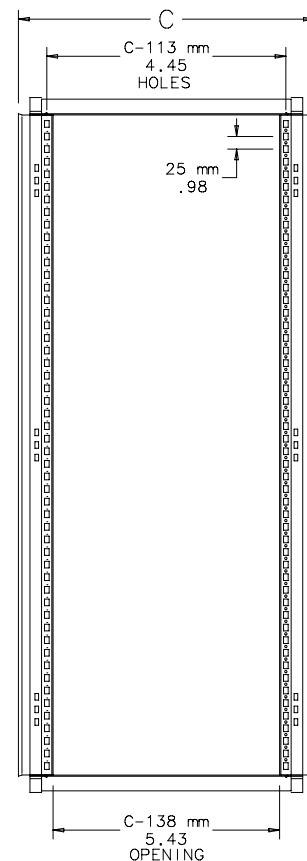
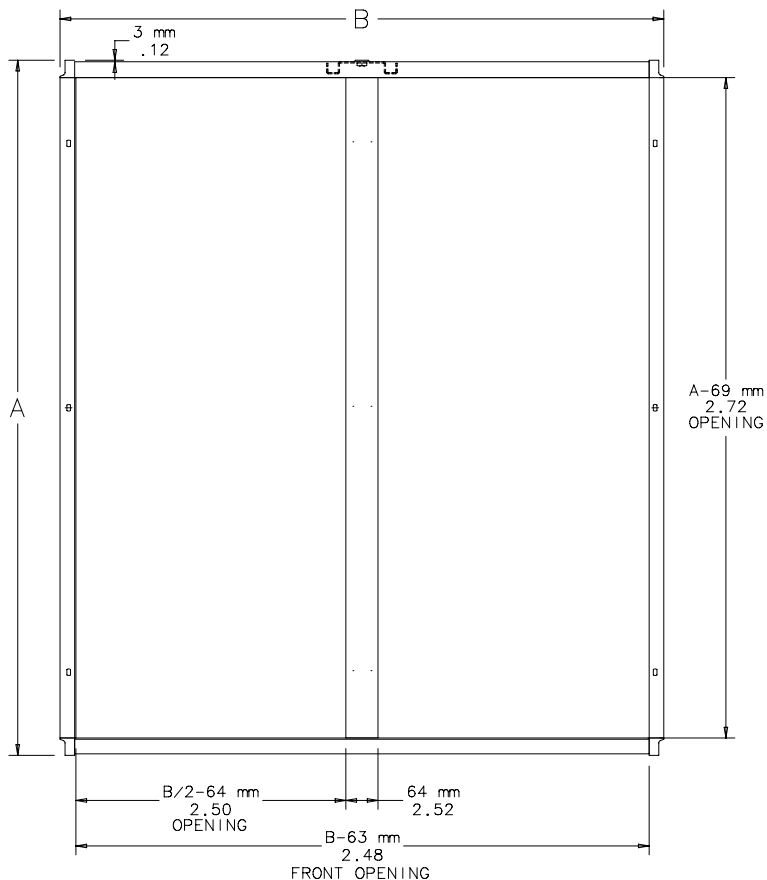
Standard Sizes Double-Bay Frames (Cont.)

Catalog Number	Nominal Frame Size A x B x C (mm)	A x B x C mm (in.)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mounting Space ^a
PF22125	2200 x 1200 x 500	2180 x 1199 x 488 (85.83 x 47.2 x 19.21)	2085 x 1130	82.09 x 44.49	47U x 2
PF22126	2200 x 1200 x 600	2180 x 1199 x 588 (85.83 x 47.2 x 23.15)	2085 x 1130	82.09 x 44.49	47U x 2
PF22128	2200 x 1200 x 800	2180 x 1199 x 788 (85.83 x 47.2 x 31.02)	2085 x 1130	82.09 x 44.49	47U x 2

^a 1 Unit = 1.75 inches (44mm)

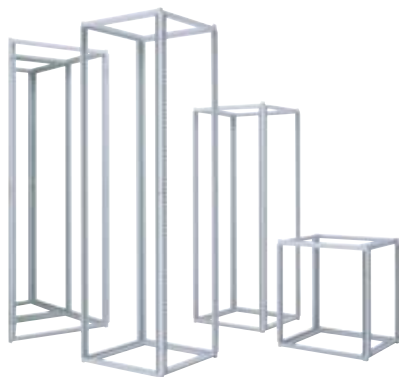


NOTE:
1. Includes frame and frame nuts (12) to attach exterior components.
2. 700mm tall frames include frame nuts (8).



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EMC Frames



Features

PROLINE offers the broadest range of standard sizes in the industry. Heights range from 700mm to 2200mm; widths range from 600mm to 1000mm. Depths range from 400mm to 900mm.

Construction

- Welded corners with steel corner blocks that add strength and rigidity
- 12 gauge, roll-formed frame sections for strength
- Flange on door and side openings deflects liquids away from the enclosure interior
- Rectangular frame holes are designed for metric cage nut fasteners
- Round frame holes allow numerous grounding locations using M5 thread-forming screws
- Access to both sides of frame mounting holes allows standard components to be easily installed
- Provisions for slide-in subpanel, rack mounting, and accessory mounting
- Simple means for joining frames to create multiple-bay enclosures
- An open roll-formed profile design affords complete surface corrosion protection and assembly access
- Sealed mounting for all external and internal accessories
- Plated finish

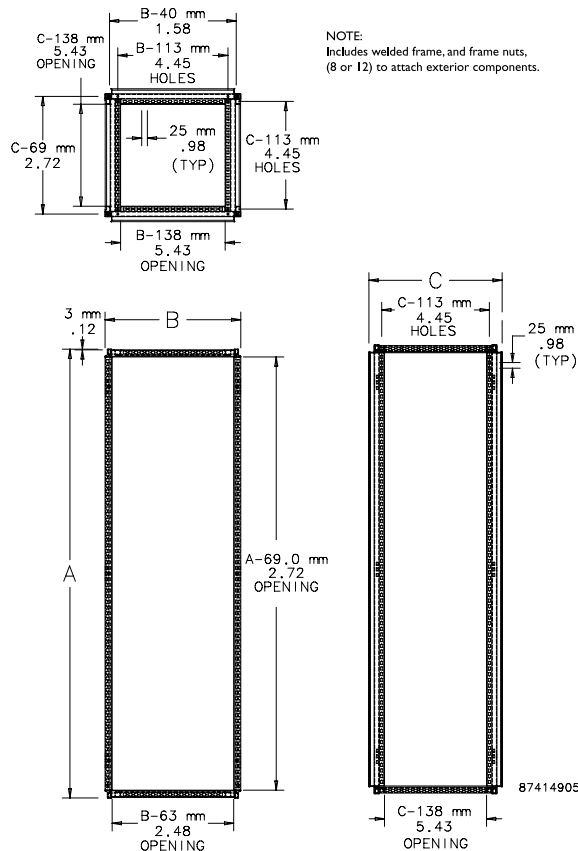
Standard Sizes EMC Frames

Catalog Number	Nominal Frame Size A x B x C (mm)	A x B x C mm (in.)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mounting Space ^a
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
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
PF1466HF	1400 x 600 x 600	1380 x 599 x 588 (54.33 x 23.58 x 23.15)	1285 x 530	50.59 x 20.87	28U
PF1485HF	1400 x 800 x 500	1380 x 799 x 488 (54.33 x 31.46 x 19.21)	1285 x 530	50.59 x 20.87	28U
PF1488HF	1400 x 800 x 800	1380 x 799 x 788 (54.33 x 31.46 x 31.02)	1285 x 530	50.59 x 20.87	28U
PF1664HF	1600 x 600 x 400	1580 x 599 x 388 (62.20 x 23.58 x 15.28)	1485 x 530	58.46 x 20.87	28U
PF1666HF	1600 x 600 x 600	1580 x 599 x 588 (62.20 x 23.58 x 23.15)	1485 x 530	58.46 x 20.87	33U
PF1668HF	1600 x 600 x 800	1580 x 599 x 788 (62.20 x 23.58 x 31.02)	1485 x 530	58.46 x 20.87	33U
PF1686HF	1600 x 800 x 600	1580 x 799 x 588 (62.20 x 31.46 x 23.15)	1485 x 730	58.46 x 28.74	33U
PF1688HF	1600 x 800 x 800	1580 x 799 x 788 (62.20 x 31.46 x 31.02)	1485 x 730	58.46 x 28.74	33U
PF1866HF	1800 x 600 x 600	1780 x 599 x 588 (70.08 x 23.58 x 23.15)	1685 x 530	66.34 x 20.87	33U
PF1868HF	1800 x 600 x 800	1780 x 599 x 788 (70.08 x 23.58 x 31.02)	1685 x 530	66.34 x 20.87	38U
PF1884HF	1800 x 800 x 400	1780 x 799 x 388 (70.08 x 31.46 x 15.28)	1685 x 730	66.34 x 28.74	38U
PF1885HF	1800 x 800 x 500	1780 x 799 x 488 (70.08 x 31.46 x 19.21)	1685 x 730	66.34 x 28.74	38U
PF1886HF	1800 x 800 x 600	1780 x 799 x 588 (70.08 x 31.46 x 23.15)	1685 x 730	66.34 x 28.74	38U
PF1888HF	1800 x 800 x 800	1780 x 799 x 788 (70.08 x 31.46 x 31.02)	1685 x 730	66.34 x 28.74	38U
PF18105HF	1800 x 1000 x 500	1780 x 999 x 488 (70.08 x 39.33 x 19.21)	1685 x 930	66.34 x 36.61	38U
PF18106HF	1800 x 1000 x 600	1780 x 999 x 588 (70.08 x 39.33 x 23.15)	1685 x 930	66.34 x 36.61	38U
PF18108HF	1800 x 1000 x 800	1780 x 999 x 788 (70.08 x 39.33 x 31.02)	1685 x 930	66.34 x 36.61	38U
PF2064HF	2000 x 600 x 400	1980 x 599 x 388 (77.95 x 23.58 x 15.28)	1885 x 530	74.21 x 20.87	42U
PF2065HF	2000 x 600 x 500	1980 x 599 x 488 (77.95 x 23.58 x 19.21)	1885 x 530	74.21 x 20.87	42U
PF2066HF	2000 x 600 x 600	1980 x 599 x 588 (77.95 x 23.58 x 23.15)	1885 x 530	74.21 x 20.87	42U
PF2068HF	2000 x 600 x 800	1980 x 599 x 788 (77.95 x 23.58 x 31.02)	1885 x 530	74.21 x 20.87	42U
PF2076HF	2000 x 700 x 600	1980 x 699 x 588 (77.95 x 27.52 x 23.15)	1885 x 630	74.21 x 24.80	42U

EMC Frames

Standard Sizes EMC Frames (Cont.)

Catalog Number	Nominal Frame Size A x B x C (mm)	A x B x C mm (in.)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mounting Space ^a
PF2078HF	2000 x 700 x 800	1980 x 699 x 788 (77.95 x 27.52 x 31.02)	1885 x 630	74.21 x 24.80	42U
PF2084HF	2000 x 800 x 400	1980 x 799 x 388 (77.95 x 31.46 x 15.28)	1885 x 730	74.21 x 28.74	42U
PF2085HF	2000 x 800 x 500	1980 x 799 x 488 (77.95 x 31.46 x 19.21)	1885 x 730	74.21 x 28.74	42U
PF2086HF	2000 x 800 x 600	1980 x 799 x 588 (77.95 x 31.46 x 23.15)	1885 x 730	74.21 x 28.74	42U
PF2088HF	2000 x 800 x 800	1980 x 799 x 788 (77.95 x 31.46 x 31.02)	1885 x 730	74.21 x 28.74	42U
PF2089HF	2000 x 800 x 900	1980 x 799 x 888 (77.95 x 31.46 x 34.96)	1885 x 730	74.21 x 28.74	42U
PF20105HF	2000 x 1000 x 500	1980 x 999 x 488 (77.95 x 39.33 x 19.21)	1885 x 930	74.21 x 36.61	42U
PF20106HF	2000 x 1000 x 600	1980 x 999 x 588 (77.95 x 39.33 x 23.15)	1885 x 930	74.21 x 36.61	42U
PF20108HF	2000 x 1000 x 800	1980 x 999 x 788 (77.95 x 39.33 x 31.02)	1885 x 930	74.21 x 36.61	42U
PF2266HF	2200 x 600 x 600	2180 x 599 x 588 (85.83 x 23.58 x 23.15)	2085 x 530	82.09 x 20.87	47U
PF2268HF	2200 x 600 x 800	2180 x 599 x 788 (85.83 x 23.58 x 31.02)	2085 x 530	82.09 x 20.87	47U
PF2278HF	2200 x 700 x 800	2180 x 699 x 788 (85.83 x 27.52 x 31.02)	2085 x 630	82.09 x 24.80	47U
PF2279HF	2200 x 700 x 900	2180 x 699 x 888 (85.83 x 27.52 x 34.96)	2085 x 630	82.09 x 24.80	47U
PF2286HF	2200 x 800 x 600	2180 x 799 x 588 (85.83 x 31.46 x 23.15)	2085 x 730	82.09 x 28.74	47U
PF2288HF	2200 x 800 x 800	2180 x 799 x 788 (85.83 x 31.46 x 31.02)	2085 x 730	82.09 x 28.74	47U
PF22105HF	2200 x 1000 x 500	2180 x 999 x 488 (85.83 x 39.33 x 19.21)	2085 x 930	82.09 x 36.61	47U
PF22106HF	2200 x 1000 x 600	2180 x 999 x 588 (85.83 x 39.33 x 23.15)	2085 x 930	82.09 x 36.61	47U

^a 1 Unit = 1.75 inches (44mm)


PROLINE® Frame Accessories



Joining Kits **A-T-O**

Permit joining two enclosure frames while maintaining an environmental seal.

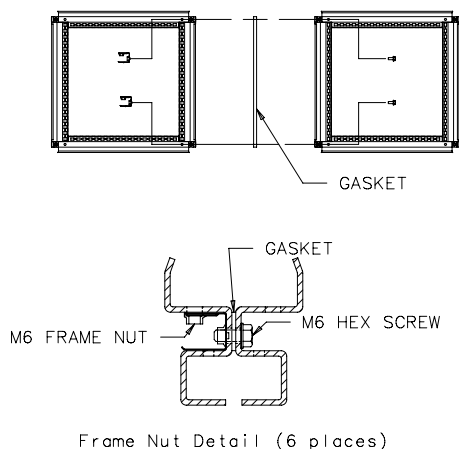
Catalog Number	Description
PJ2F	Standard Frame Joining, Side-to-Side
PJ2FBF	Frame Joining, Front-to-Back
PJ2FHF2	EMC Standard Frame Joining, Side-to-Side
PJ2FF	Alternate Frame Joining, Side-to-Side

Standard Frame Joining Kit, Side-to-Side (PJ2F, PJ2FHF2)

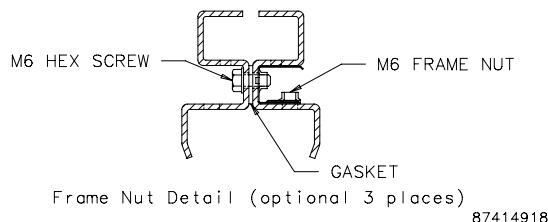
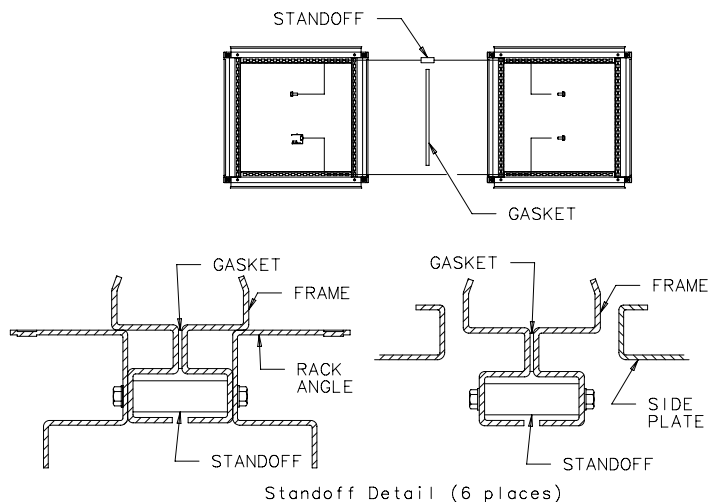
Consists of six frame nuts and screws, as well as gasket material to maintain a dusttight and watertight seal between ganged frames. Can be used if rack angles are not in the front or rearmost positions, or if a subpanel is not in the rearmost position.

Alternate Frame Joining Kit, Side-to-Side (PJ2FF)

Consists of six standoffs, frame nuts, and screws, as well as gasket material. This kit facilitates frame joining when rack angles are in the front or rearmost position, or if a subpanel is in the rearmost position.



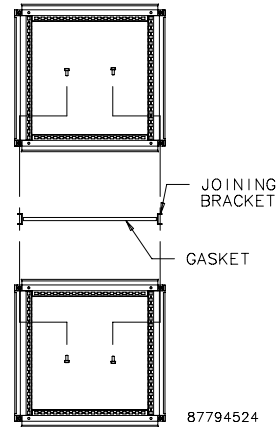
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Frame Joining Kit, Front-to-Back

Joining kit provides a means for joining frames front to back while maintaining a dusttight and watertight seal between frames. Permits front-to-back joining of two single-bay enclosures. This kit does not fit 1200mm or 1600mm wide frames.



"L" Joining Bracket (PJB2F)



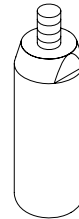
The "L" Joining Bracket, made of 10 gauge steel, is used in conjunction with the standard joining kit as additional support. Pictured hardware is included.

Catalog Number	Description
PJB2F	"L" Joining Bracket

Frame Legs

Frame legs mount to the bottom of a solid base to elevate the enclosure four inches from the floor. Legs are made of Type 304 stainless steel. Mounting hardware is included.

Catalog Number	Description
PLEGSS	Frame Legs



87418777

Lifting Eyes **A-T-O**

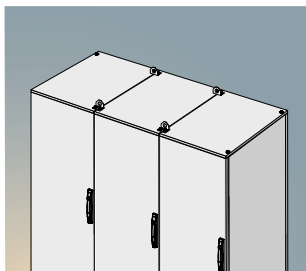


Lifting eyes are used for lifting PROLINE modular frames and for fastening PROLINE top accessories to the frame. Lifting eyes thread into corner blocks in a frame. Furnished in sets of four with plated finish. Lifting eyes are designed for overhead lifting in conjunction with shackles

and a spreader bar. Use of shackles instead of hooks is preferred. The angle between the top of the enclosure and the cable or chain must be at least 45 degrees. Use only slings and spreader bars that are designed for the specific application and are in compliance with regulations established by OSHA, ASME, ISA, ASTM, and other governing agencies.

Catalog Number
PLEM12

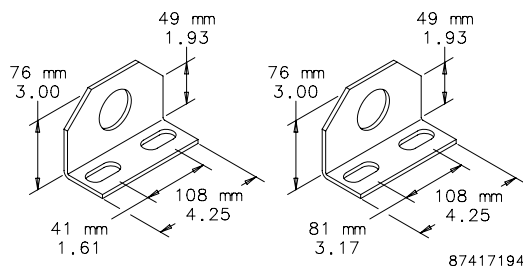
Lifting Angles **A-T-O**



Used to provide best load distribution while lifting two or three ganged enclosures with up to 1000 pounds of equipment and cabling in each bay. Angles mount to top of enclosure frame corner blocks and do not require removal of top cover for installation. Kit consists of two angles and four bolts and washers. Angles are clear zinc-coated 10 gauge steel.

NOTE: Lifting angles are designed for overhead lifting in conjunction with shackles and spreader bar. Use of shackles instead of hooks is preferred. The angle between the top of the enclosure and the cable or chain must be at least 45°. Use only slings and spreader bars that are designed for the specific application and are in compliance with regulations established by OSHA, ASME, ISA, ASTM, and other governing agencies.

Catalog Number	Description
PJLBFB	Front-to-back lifting angles
PJLBSS	Side-to-side lifting angles



PROLINE® Frame Accessories

**PROLINE FRAMES
AND ACCESSORIES**

Bulletin
P20, P20EM

PROLINE Fastener Packages **ATFO**



Used to fasten components to the grid system. Package includes 20 front-loading clip nuts (M6) and 20 combination-drive washer head bolts (M6). Grounding Package is used with the rectangular holes in the PROLINE frame to provide electrical continuity between the frame and the grid system.

Catalog Number	Description
PGFM6	Standard Package
PGFGM6	Grounding Package

**Modular Enclosure
Systems**

Touch-Up Paint



For repairing the finish of any painted parts.

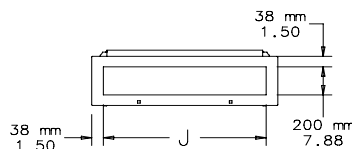
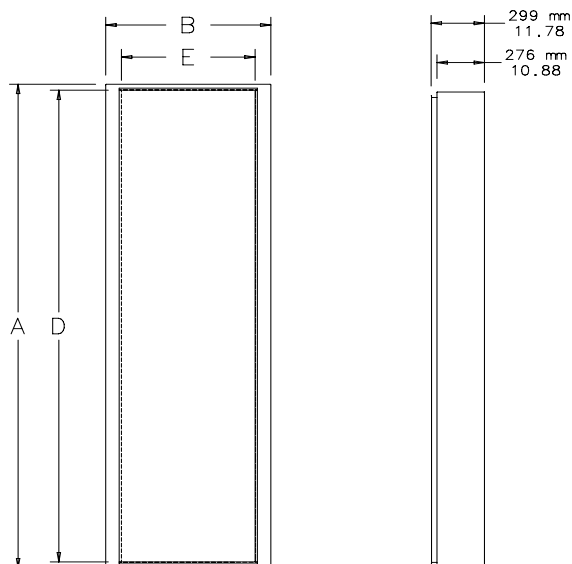
Catalog Number	Description
ATPG7035	RAL 7035 Gray
ATPB9005	RAL 9005 Black

PROLINE® Cable Entry Cabinets and Accessories



Cable Entry Cabinets **A-T-O**

Cable entry cabinets are made from 14 gauge steel and finished in RAL 7035 textured light gray polyester powder paint. They facilitate cable entry into the sides of enclosures. Open top and bottom of cabinet provide cable access and a means for managing cable. Closure plates, available as optional accessories, seal the open ends of the cabinet. Front opening of cabinet can be closed with either hinged solid door or screw-on solid cover. Cabinets have foam-in-place gasket and optional accessories to maintain enclosure environmental integrity.



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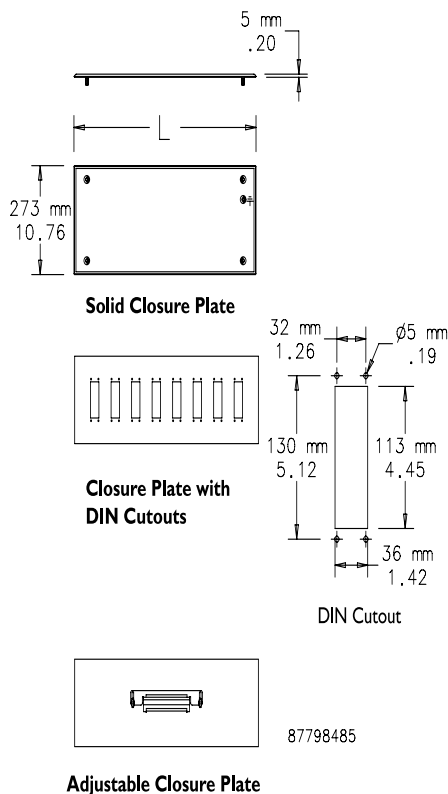
Standard Sizes PROLINE Cable Entry Cabinets

Catalog Number	A x B mm (in.)	Fits Frame (mm)	D (mm)	D (in.)	E (mm)	E (in.)	J (mm)	J (in.)
PCE165300	1539 x 500 (60.59 x 19.69)	1600 tall x 500 deep	1518	59.78	415	16.34	424	16.69
PCE166300	1539 x 600 (60.59 x 23.62)	1600 tall x 600 deep	1518	59.78	515	20.28	524	20.62
PCE168300	1539 x 800 (60.59 x 31.50)	1600 tall x 800 deep	1518	59.78	715	28.15	724	28.50
PCE185300	1739 x 500 (68.47 x 19.69)	1800 tall x 500 deep	1718	67.65	415	16.34	424	16.69
PCE186300	1739 x 600 (68.47 x 23.62)	1800 tall x 600 deep	1718	67.65	515	20.28	524	20.62
PCE188300	1739 x 800 (68.47 x 31.50)	1800 tall x 800 deep	1718	67.65	715	28.15	724	28.50
PCE205300	1939 x 500 (76.34 x 19.69)	2000 tall x 500 deep	1918	75.52	415	16.34	424	16.69
PCE206300	1939 x 600 (76.34 x 23.62)	2000 tall x 600 deep	1918	75.52	515	20.28	524	20.62
PCE208300	1939 x 800 (76.34 x 31.50)	2000 tall x 800 deep	1918	75.52	715	28.15	724	28.50
PCE225300	2139 x 500 (84.22 x 19.69)	2200 tall x 500 deep	2118	83.40	415	16.34	424	16.69
PCE226300	2139 x 600 (84.22 x 23.62)	2200 tall x 500 deep	2118	83.40	515	20.28	524	20.62
PCE228300	2139 x 800 (84.22 x 31.50)	2200 tall x 500 deep	2118	83.40	715	28.15	724	28.50

PROLINE® Cable Entry Cabinets and Accessories

Closure Plates **AFTO**

Closure plates seal the ends of the cable entry cabinet. Made from 14 gauge steel and finished with RAL 7035 textured gray polyester powder paint.



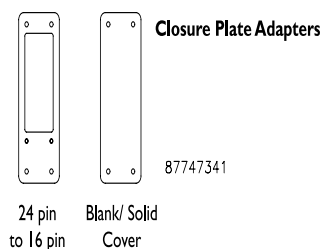
Catalog Number	Description	L (mm)	L (in.)	Number of DIN Cutouts
PCEGCP5	Solid—Fits 500mm wide cable entry cabinets	497	19.57	—
PCEGCP6	Solid—Fits 600mm wide cable entry cabinets	597	23.51	—
PCEGCP8	Solid—Fits 800mm wide cable entry cabinets	797	31.38	—
PCEGCPD5	With DIN cutouts—Fits 500mm wide cable entry cabinets	497	19.57	5
PCEGCPD6	With DIN cutouts—Fits 600mm wide cable entry cabinets	597	23.51	6
PCEGCPD8	With DIN cutouts—Fits 800mm wide cable entry cabinets	797	31.38	8
PCEGPA5	Adjustable—Fits 500mm wide cable entry cabinets	497	19.57	—
PCEGPA6	Adjustable—Fits 600mm wide cable entry cabinets	597	23.51	—
PCEGPA8	Adjustable—Fits 800mm wide cable entry cabinets	797	31.38	—

Modular Enclosure
Systems

Closure Plate Adapters for Cutouts **AFTO**

Adapters are used with closure plates containing cutouts. Made from 12 gauge steel and finished with RAL 7035 textured gray polyester powder paint. Allows the option of adapting from 24-pin to no pins (blank), 24-pin to 16-pin, 24-pin to 10-pin, and 24-pin to 6-pin.

Catalog Number	Description	Adapter Qty./Package
PAD240	From 24-pin to blank solid cover	1
PAD2416	From 24-pin to 16-pin	1
PAD2410	From 24-pin to 10-pin	1
PAD246	From 24-pin to 6-pin	1



PROLINE® External Components Product Overview



*Standard door bars
give PROLINE solid
doors superior
strength and rigidity.*



*Plinth bases are
designed using cast
aluminum corner
supports for stability
and support.*



The exceptional versatility of PROLINE external components allows you to configure enclosures to meet a wide range of needs—without sacrificing strength or protection.

Strength

PROLINE solid doors, covers and sides are constructed with 16 gauge or 14 gauge steel to provide strength and rigidity to the enclosure's exterior. Most solid doors include steel door bars to add rigidity and an extra mounting surface. PROLINE also offers cast aluminum corner supports in both the 100mm and 200mm plinth bases for bottom-level support and enhanced stability during the field wiring process.

Flexibility

The broad range of PROLINE® external components provides the flexibility you need to meet a variety of application requirements. From window doors to handles to shielding options, PROLINE components will match your design preference and specifications.

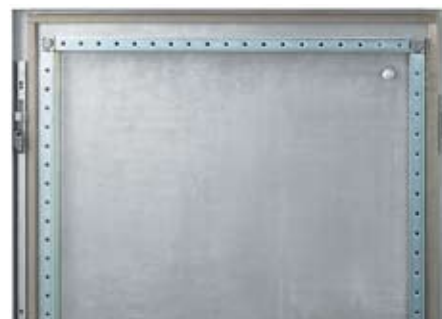
Protection

PROLINE enclosures protect your sensitive electronics from all the elements that can affect their performance, including dirt, moisture, and EMC. The PROLINE foam-in-place gasketing and patented latching system provide a tight seal against contaminants. The combination of plating on external components and special conductive gasketing options provide superior protection from EMC.

*Numerous handle
options offer flexible
choices for meeting
handle and locking
requirements.*



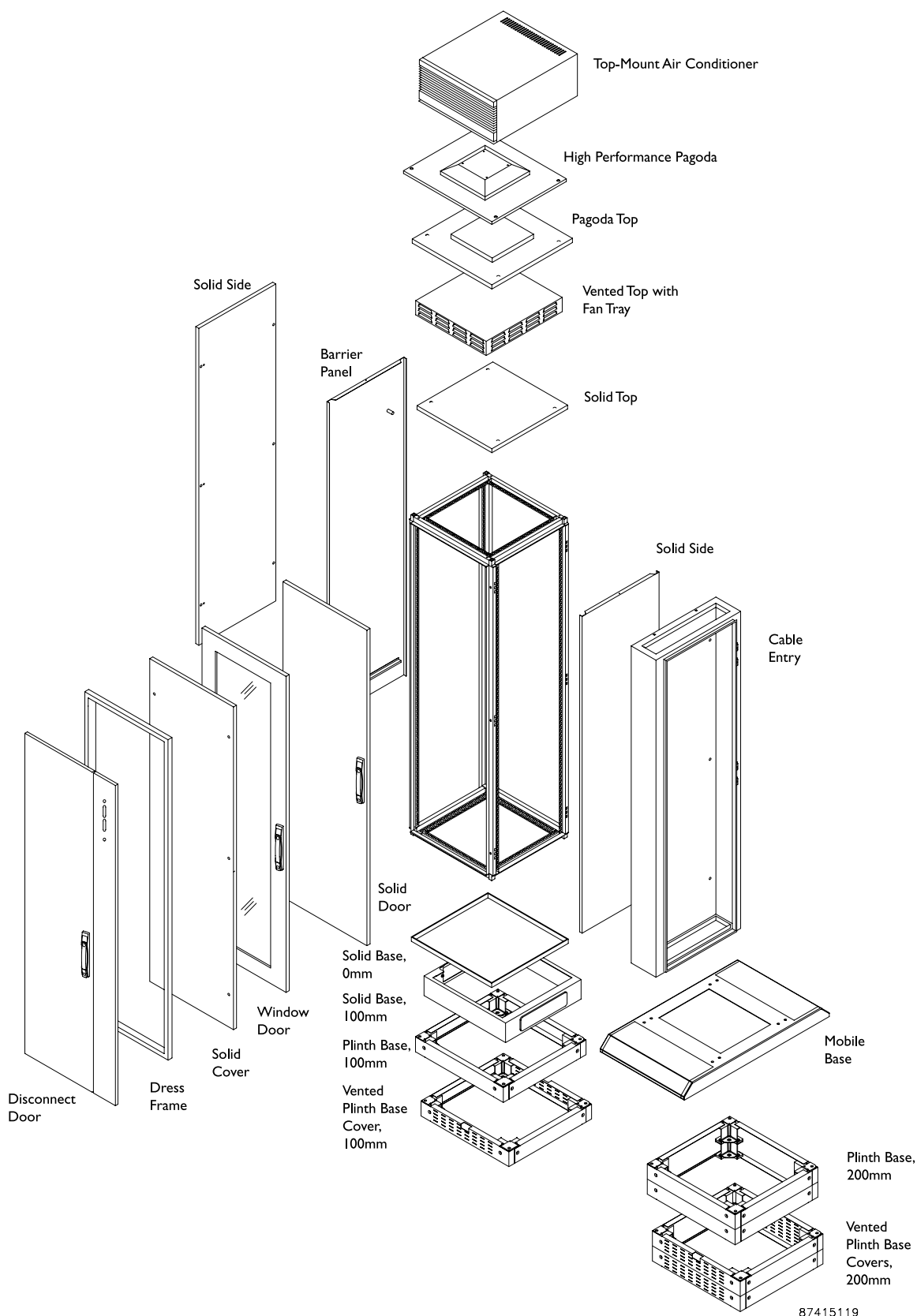
*Plated component
surfaces and special
conductive gasketing
shield electronics or
the environment from
electrical interference.*



PROLINE® External Components Product Overview

**PROLINE EXTERNAL
COMPONENTS**
Bulletin
VARIOUS

Modular Enclosure
Systems



PROLINE external components—including doors, covers, sides, tops and bases—attach easily to the PROLINE frame in a number of configurations to suit your needs. Start with a rugged, reliable frame, then select additional components as your application dictates. Most external components are available in both EMC-shielded and non-shielded versions.

Foam-in-place gasket



Seamless Foam-in-Place Gasketing

Non-shielded components are painted inside and out and include a seamless foam-in-place gasket to provide a dusttight, moisture-tight seal.

EMC Shielding

Clear plated components (exterior painted) and a conductive fabric-over-foam gasket provide an HF2 level of shielding.

Door Bars

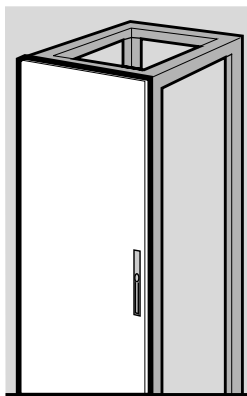
Door bars are included inside all PROLINE doors taller than 700mm and wider than 400mm (except window doors). These sturdy door bars provide maximum rigidity and can be used for mounting accessories. Door bars are constructed of steel with an aluminum zinc alloy coating that provides both corrosion resistance and electrical conductivity. Holes are located in the square tube profile for mounting accessories using M5 screws.

*PROLINE door
with HF2 (medium
performance)
shielding*

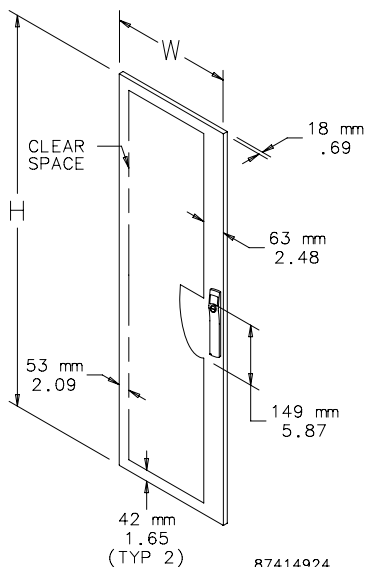


PROLINE® Doors, Covers, and Sides

Solid Doors A-T-O



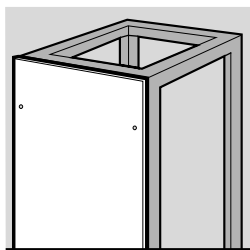
Steel doors are finished with RAL 7035 textured light gray polyester powder paint (except stainless steel). EMC doors are finished with paint over plated surfaces. A patented removable door bar system is included on doors taller than 700mm and wider than 400mm. Optional data pockets, door stops, grounding kits, and 180-degree hinges are available. Hinge side is reversible. A flush bezel with slotted insert operates the 3-point latching system. Doors for 700mm frames have 2-point latching. Hidden hinges (130-degree swing) permit attachment to the front or back of each enclosure frame. Hinges have patented easy slide retained hinge pins. Door gasket is foam-in-place urethane to provide a resilient seamless seal. Two grounding studs are furnished. All mounting hardware is included.



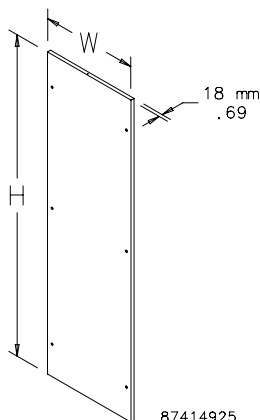
Catalog Number	Door Type	Gauge	Fits Frame A x B (mm)	H x W (mm)	H x W (in.)
PDS76R	Steel	16	700 x 600	639 x 592	25.16 x 23.31
PDS76RHF2	EMC	16	700 x 600	639 x 592	25.16 x 23.31
PDS76SS	Stainless Steel	16	700 x 600	639 x 592	25.16 x 23.31
PDS78R	Steel	14	700 x 800	639 x 792	25.16 x 31.18
PDS78RHF2	EMC	14	700 x 800	639 x 792	25.16 x 31.18
PDS78SS	Stainless Steel	14	700 x 800	639 x 792	25.16 x 31.18
PDS146	Steel	16	1400 x 600	1339 x 592	52.72 x 23.31
PDS146HF2	EMC	16	1400 x 600	1339 x 592	52.72 x 23.31
PDS146SS	Stainless Steel	16	1400 x 600	1339 x 592	52.72 x 23.31
PDS148	Steel	14	1400 x 800	1339 x 792	52.72 x 31.18
PDS148HF2	EMC	14	1400 x 800	1339 x 792	52.72 x 31.18
PDS148SS	Stainless Steel	14	1400 x 800	1339 x 792	52.72 x 31.18
PDS165	Steel	16	1600 x 500	1539 x 492	60.59 x 19.69
PDS166	Steel	16	1600 x 600	1539 x 592	60.59 x 23.31
PDS166HF2	EMC	16	1600 x 600	1539 x 592	60.59 x 23.31
PDS166SS	Stainless Steel	16	1600 x 600	1539 x 592	60.59 x 23.31
PDS168	Steel	14	1600 x 800	1539 x 792	60.59 x 31.18
PDS168HF2	EMC	14	1600 x 800	1539 x 792	60.59 x 31.18
PDS168SS	Stainless Steel	14	1600 x 800	1539 x 792	60.59 x 31.18
PDS185	Steel	16	1800 x 500	1739 x 492	68.46 x 19.69
PDS186	Steel	16	1800 x 600	1739 x 592	68.46 x 23.31
PDS186HF2	EMC	16	1800 x 600	1739 x 592	68.46 x 23.31
PDS186SS	Stainless Steel	16	1800 x 600	1739 x 592	68.46 x 23.31
PDS188	Steel	14	1800 x 800	1739 x 792	68.46 x 31.18
PDS188HF2	EMC	14	1800 x 800	1739 x 792	68.46 x 31.18
PDS188SS	Stainless Steel	14	1800 x 800	1739 x 792	68.46 x 31.18
PDS1810	Steel	14	1800 x 1000	1739 x 992	68.46 x 39.06
PDS1810HF2	EMC	14	1800 x 1000	1739 x 992	68.46 x 39.06
PDS1810SS	Stainless Steel	14	1800 x 1000	1739 x 992	68.46 x 39.06
PDS204	Steel	16	2000 x 400	1939 x 392	76.34 x 15.75
PDS205	Steel	16	2000 x 500	1939 x 492	76.34 x 19.69
PDS206	Steel	16	2000 x 600	1939 x 592	76.34 x 23.31
PDS206HF2	EMC	16	2000 x 600	1939 x 592	76.34 x 23.31
PDS206SS	Stainless Steel	16	2000 x 600	1939 x 592	76.34 x 23.31
PDS207	Steel	16	2000 x 700	1939 x 692	76.34 x 27.24
PDS207HF2	EMC	16	2000 x 700	1939 x 692	76.34 x 27.24
PDS208	Steel	14	2000 x 800	1939 x 792	76.34 x 31.18
PDS208HF2	EMC	14	2000 x 800	1939 x 792	76.34 x 31.18
PDS208SS	Stainless Steel	14	2000 x 800	1939 x 792	76.34 x 31.18
PDS2010	Steel	14	2000 x 1000	1939 x 992	76.34 x 39.06
PDS2010HF2	EMC	14	2000 x 1000	1939 x 992	76.34 x 39.06
PDS2010SS	Stainless Steel	14	2000 x 1000	1939 x 992	76.34 x 39.06
PDS225	Steel	16	2200 x 500	2139 x 492	84.21 x 19.69
PDS226	Steel	16	2200 x 600	2139 x 592	84.21 x 23.31
PDS226HF2	EMC	16	2200 x 600	2139 x 592	84.21 x 23.31
PDS226SS	Stainless Steel	16	2200 x 600	2139 x 592	84.21 x 23.31
PDS227	Steel	16	2200 x 700	2139 x 692	84.21 x 27.24
PDS227HF2	EMC	16	2200 x 700	2139 x 692	84.21 x 27.24
PDS228	Steel	14	2200 x 800	2139 x 792	84.21 x 31.18
PDS228HF2	EMC	14	2200 x 800	2139 x 792	84.21 x 31.18
PDS228SS	Stainless Steel	14	2200 x 800	2139 x 792	84.21 x 31.18
PDS2210	Steel	14	2200 x 1000	2139 x 992	84.21 x 39.06
PDS2210HF2	EMC	14	2200 x 1000	2139 x 992	84.21 x 39.06

PROLINE® Doors, Covers, and Sides

Solid Covers **A-T-O**



Use a solid cover on the front or rear of the enclosure frame as a substitute for a door. Solid covers attach to the enclosure frame with semi-flush screws and include hangers for easy alignment of cover screws. Covers are painted RAL 7035 textured light gray polyester powder paint (except stainless steel). EMC covers are finished with paint over plated surfaces. They include a foam-in-place urethane gasket and two ground studs. Mounting hardware is included. Tamper-resistant screws are also available.

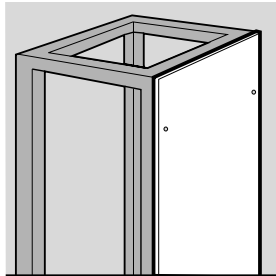


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Catalog Number	Cover Type	Gauge	Fits Frame A x B (mm)	H x W (mm)	H x W (in.)
PCS76	Steel	16	700 x 600	639 x 592	25.16 x 23.31
PCS76HF2	EMC	16	700 x 600	639 x 592	25.16 x 23.31
PCS76SS	Stainless Steel	16	700 x 600	639 x 592	25.16 x 23.31
PCS78	Steel	14	700 x 800	639 x 792	25.16 x 31.18
PCS78HF2	EMC	14	700 x 800	639 x 792	25.16 x 31.18
PCS78SS	Stainless Steel	14	700 x 800	639 x 792	25.16 x 31.18
PCS146	Steel	16	1400 x 600	1339 x 592	52.72 x 23.31
PCS146HF2	EMC	16	1400 x 600	1339 x 592	52.72 x 23.31
PCS146SS	Stainless Steel	16	1400 x 600	1339 x 592	52.72 x 23.31
PCS148	Steel	14	1400 x 800	1339 x 792	52.72 x 31.18
PCS148HF2	EMC	14	1400 x 800	1339 x 792	52.72 x 31.18
PCS148SS	Stainless Steel	14	1400 x 800	1339 x 792	52.72 x 31.18
PCS166	Steel	16	1600 x 600	1539 x 592	60.59 x 23.31
PCS166HF2	EMC	16	1600 x 600	1539 x 592	60.59 x 23.31
PCS166SS	Stainless Steel	16	1600 x 600	1539 x 592	60.59 x 23.31
PCS168	Steel	14	1600 x 800	1539 x 792	60.59 x 31.18
PCS168HF2	EMC	14	1600 x 800	1539 x 792	60.59 x 31.18
PCS168SS	Stainless Steel	14	1600 x 800	1539 x 792	60.59 x 31.18
PCS186	Steel	16	1800 x 600	1739 x 592	68.46 x 23.31
PCS186HF2	EMC	16	1800 x 600	1739 x 592	68.46 x 23.31
PCS186SS	Stainless Steel	16	1800 x 600	1739 x 592	68.46 x 23.31
PCS188	Steel	14	1800 x 800	1739 x 792	68.46 x 31.18
PCS188HF2	EMC	14	1800 x 800	1739 x 792	68.46 x 31.18
PCS188SS	Stainless Steel	14	1800 x 800	1739 x 792	68.46 x 31.18
PCS1810	Steel	14	1800 x 1000	1739 x 992	68.46 x 39.06
PCS1810HF2	EMC	14	1800 x 1000	1739 x 992	68.46 x 39.06
PCS1810SS	Stainless Steel	14	1800 x 1000	1739 x 992	68.46 x 39.06
PCS204	Steel	16	2000 x 400	1939 x 392	76.34 x 15.75
PCS206	Steel	16	2000 x 600	1939 x 592	76.34 x 23.31
PCS206HF2	EMC	16	2000 x 600	1939 x 592	76.34 x 23.31
PCS206SS	Stainless Steel	16	2000 x 600	1939 x 592	76.34 x 23.31
PCS207	Steel	16	2000 x 700	1939 x 692	76.34 x 27.24
PCS207HF2	EMC	16	2000 x 700	1939 x 692	76.34 x 27.24
PCS208	Steel	14	2000 x 800	1939 x 792	76.34 x 31.18
PCS208HF2	EMC	14	2000 x 800	1939 x 792	76.34 x 31.18
PCS208SS	Stainless Steel	14	2000 x 800	1939 x 792	76.34 x 31.18
PCS2010	Steel	14	2000 x 1000	1939 x 992	76.34 x 39.06
PCS2010HF2	EMC	14	2000 x 1000	1939 x 992	76.34 x 39.06
PCS2010SS	Stainless Steel	14	2000 x 1000	1939 x 992	76.34 x 39.06
PCS226	Steel	16	2200 x 600	2139 x 592	84.21 x 23.31
PCS226HF2	EMC	16	2200 x 600	2139 x 592	84.21 x 23.31
PCS226SS	Stainless Steel	16	2200 x 600	2139 x 592	84.21 x 23.31
PCS227	Steel	16	2200 x 700	2139 x 692	84.21 x 27.24
PCS227HF2	EMC	16	2200 x 700	2139 x 692	84.21 x 27.24
PCS228	Steel	14	2200 x 800	2139 x 792	84.21 x 31.18
PCS228HF2	EMC	14	2200 x 800	2139 x 792	84.21 x 31.18
PCS228SS	Stainless Steel	14	2200 x 800	2139 x 792	84.21 x 31.18
PCS2210	Steel	14	2200 x 1000	2139 x 992	84.21 x 39.06
PCS2210HF2	EMC	14	2200 x 1000	2139 x 992	84.21 x 39.06

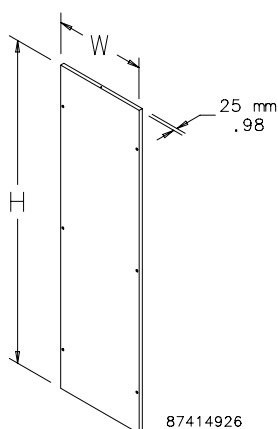
PROLINE® Doors, Covers, and Sides

Solid Sides **A-T-O**



Solid sides close the open sides of an enclosure frame and attach to the enclosure frame with semi-flush screws. Hangers are included for easy alignment of screws. Sides are painted with RAL 7035 textured light gray polyester powder paint (except stainless steel) and have two grounding studs and a foam-in-place gasket. EMC solid sides are finished with paint over plated surfaces. Mounting hardware is included. Tamper-resistant screws are

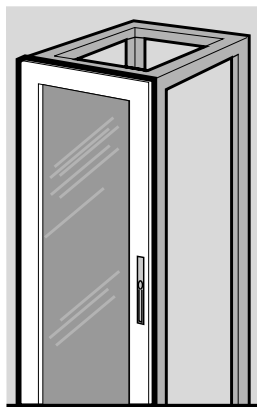
also available. Solid sides are not suitable as barriers between joined enclosures.



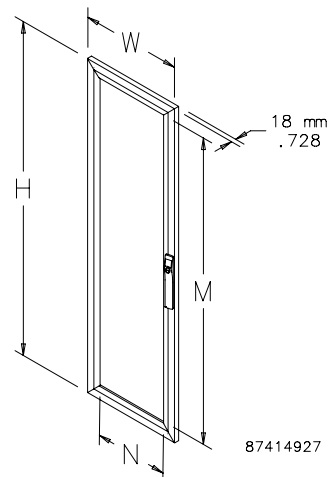
Catalog Number	Type	Gauge	Fits Frame A x C (mm)	H x W (mm)	H x W (in.)
PSS76	Steel	16	700 x 600	639 x 553	25.16 x 21.77
PSS76HF2	EMC	16	700 x 600	639 x 553	25.16 x 21.77
PSS76SS	Stainless Steel	16	700 x 600	639 x 553	25.16 x 21.77
PSS145	Steel	16	1400 x 500	1339 x 453	52.72 x 17.83
PSS145HF2	EMC	16	1400 x 500	1339 x 453	52.72 x 17.83
PSS146	Steel	16	1400 x 600	1339 x 553	52.72 x 21.77
PSS146HF2	EMC	16	1400 x 600	1339 x 553	52.72 x 21.77
PSS146SS	Stainless Steel	16	1400 x 600	1339 x 553	52.72 x 21.77
PSS148	Steel	14	1400 x 800	1339 x 753	52.72 x 29.65
PSS148HF2	EMC	14	1400 x 800	1339 x 753	52.72 x 29.65
PSS148SS	Stainless Steel	14	1400 x 800	1339 x 753	52.72 x 29.65
PSS164	Steel	16	1600 x 400	1539 x 353	60.59 x 13.90
PSS164HF2	EMC	16	1600 x 400	1539 x 353	60.59 x 13.90
PSS165	Steel	16	1600 x 500	1539 x 453	60.59 x 17.83
PSS165HF2	EMC	16	1600 x 500	1539 x 453	60.59 x 17.83
PSS166	Steel	16	1600 x 600	1539 x 553	60.59 x 21.77
PSS166HF2	EMC	16	1600 x 600	1539 x 553	60.59 x 21.77
PSS166SS	Stainless Steel	16	1600 x 600	1539 x 553	60.59 x 21.77
PSS168	Steel	14	1600 x 800	1539 x 753	60.59 x 29.65
PSS168HF2	EMC	14	1600 x 800	1539 x 753	60.59 x 29.65
PSS168SS	Stainless Steel	14	1600 x 800	1539 x 753	60.59 x 29.65
PSS184	Steel	16	1800 x 400	1739 x 353	68.46 x 13.90
PSS184HF2	EMC	16	1800 x 400	1739 x 353	68.46 x 13.90
PSS185	Steel	16	1800 x 500	1739 x 453	68.46 x 17.83
PSS185HF2	EMC	16	1800 x 500	1739 x 453	68.46 x 17.83
PSS186	Steel	16	1800 x 600	1739 x 553	68.46 x 21.77
PSS186HF2	EMC	16	1800 x 600	1739 x 553	68.46 x 21.77
PSS186SS	Stainless Steel	16	1800 x 600	1739 x 553	68.46 x 21.77
PSS188	Steel	14	1800 x 800	1739 x 753	68.46 x 29.65
PSS188HF2	EMC	14	1800 x 800	1739 x 753	68.46 x 29.65
PSS188SS	Stainless Steel	14	1800 x 800	1739 x 753	68.46 x 29.65
PSS204	Steel	16	2000 x 400	1939 x 353	76.34 x 13.90
PSS204HF2	EMC	16	2000 x 400	1939 x 353	76.34 x 13.90
PSS205	Steel	16	2000 x 500	1939 x 453	76.34 x 17.83
PSS205HF2	EMC	16	2000 x 500	1939 x 453	76.34 x 17.83
PSS206	Steel	16	2000 x 600	1939 x 553	76.34 x 21.77
PSS206HF2	EMC	16	2000 x 600	1939 x 553	76.34 x 21.77
PSS206SS	Stainless Steel	16	2000 x 600	1939 x 553	76.34 x 21.77
PSS208	Steel	14	2000 x 800	1939 x 753	76.34 x 29.65
PSS208HF2	EMC	14	2000 x 800	1939 x 753	76.34 x 29.65
PSS208SS	Stainless Steel	14	2000 x 800	1939 x 753	76.34 x 29.65
PSS209	Steel	14	2000 x 900	1939 x 853	76.34 x 33.58
PSS209HF2	EMC	14	2000 x 900	1939 x 853	76.34 x 33.58
PSS225	Steel	16	2200 x 500	2139 x 453	84.21 x 17.83
PSS225HF2	EMC	16	2200 x 500	2139 x 453	84.21 x 17.83
PSS226	Steel	16	2200 x 600	2139 x 553	84.21 x 21.77
PSS226HF2	EMC	16	2200 x 600	2139 x 553	84.21 x 21.77
PSS226SS	Stainless Steel	16	2200 x 600	2139 x 553	84.21 x 21.77
PSS228	Steel	14	2200 x 800	2139 x 753	84.21 x 29.65
PSS228HF2	EMC	14	2200 x 800	2139 x 753	84.21 x 29.65
PSS228SS	Stainless Steel	14	2200 x 800	2139 x 753	84.21 x 29.65
PSS229	Steel	14	2200 x 900	2139 x 853	84.21 x 33.58
PSS229HF2	EMC	14	2200 x 900	2139 x 853	84.21 x 33.58

PROLINE® Doors, Covers, and Sides

Window Door **ATFO**



Window doors can be used on the front or rear of PROLINE® frames to provide viewing of electronic equipment. PROLINE window doors are designed around an extruded aluminum profile. They have 140 degree hidden hinges and a flush bezel with a slotted insert that operates a 3-point latching mechanism (doors for 700mm frames have 2-point latching). Doors have either a smoke-gray tinted polycarbonate or a clear safety glass window; 180-degree hinges are available (order separately).



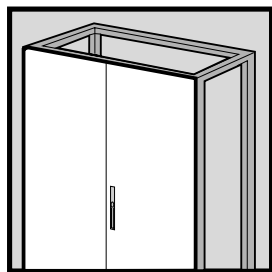
All window doors:

- Install easily on front or rear of enclosure frame; can be hinged on left or right
- Have a 0.25-inch-thick window that provides maximum protection and viewing area
- Have foam-in-place urethane gaskets for door and window provide optimum sealing
- Have two grounding brackets with RAL 7035 light gray textured polyester powder paint finish (except stainless steel)

Catalog Number	Fits Frame A x B (mm)	Window Door Type	H x W (mm)	H x W (in.)	Window Size M x N (mm)	Window Size M x N (in.)
PDWG76	700 x 600	Aluminum and Safety Glass	639 x 593	25.16 x 23.34	517.6 x 446	20.38 x 17.55
PDW76	700 x 600	Aluminum and Polycarbonate	639 x 593	25.16 x 23.34	517.6 x 446	20.38 x 17.55
PDWG76SS	700 x 600	Stainless Steel and Glass	639 x 592	25.16 x 23.30	517.6 x 446	20.38 x 17.55
PDWG78	700 x 800	Aluminum and Safety Glass	639 x 793	25.16 x 31.22	517.6 x 646	20.38 x 25.42
PDW78	700 x 800	Aluminum and Polycarbonate	639 x 793	25.16 x 31.22	517.6 x 646	20.38 x 25.42
PDWG78SS	700 x 800	Stainless Steel and Glass	639 x 792	25.16 x 31.17	517.6 x 646	20.38 x 25.42
PDWG146	1400 x 600	Aluminum and Safety Glass	1339 x 593	52.72 x 23.34	1217.6 x 446	47.94 x 17.55
PDW146	1400 x 600	Aluminum and Polycarbonate	1339 x 593	52.72 x 23.34	1217.6 x 446	47.94 x 17.55
PDWG146SS	1400 x 600	Stainless Steel and Glass	1339 x 592	52.72 x 23.30	1217.6 x 446	47.94 x 17.55
PDWG148	1400 x 800	Aluminum and Safety Glass	1339 x 793	52.72 x 31.22	1217.6 x 646	47.94 x 25.42
PDW148	1400 x 800	Aluminum and Polycarbonate	1339 x 793	52.72 x 31.22	1217.6 x 646	47.94 x 25.42
PDWG166	1600 x 600	Aluminum and Safety Glass	1539 x 593	60.59 x 23.34	1417.6 x 446	55.81 x 17.55
PDW166	1600 x 600	Aluminum and Polycarbonate	1539 x 593	60.59 x 23.34	1417.6 x 446	55.81 x 17.55
PDWG166SS	1600 x 600	Stainless Steel and Glass	1539 x 592	60.59 x 23.30	1417.6 x 446	55.81 x 17.55
PDWG168	1600 x 800	Aluminum and Safety Glass	1539 x 793	60.59 x 31.22	1417.6 x 646	55.81 x 25.42
PDW168	1600 x 800	Aluminum and Polycarbonate	1539 x 793	60.59 x 31.22	1417.6 x 646	55.81 x 25.42
PDWG186	1800 x 600	Aluminum and Safety Glass	1739 x 593	68.46 x 23.34	1617.6 x 446	63.69 x 17.55
PDW186	1800 x 600	Aluminum and Polycarbonate	1739 x 593	68.46 x 23.34	1617.6 x 446	63.69 x 17.55
PDWG188	1800 x 800	Aluminum and Safety Glass	1739 x 793	68.46 x 31.22	1617.6 x 646	63.69 x 25.42
PDW188	1800 x 800	Aluminum and Polycarbonate	1739 x 793	68.46 x 31.22	1617.6 x 646	63.69 x 25.42
PDWG188SS	1800 x 800	Stainless Steel and Glass	1739 x 792	68.46 x 31.17	1617.6 x 646	63.69 x 25.42
PDWG206	2000 x 600	Aluminum and Safety Glass	1939 x 593	76.34 x 23.34	1817.6 x 446	71.56 x 17.55
PDW206	2000 x 600	Aluminum and Polycarbonate	1939 x 593	76.34 x 23.34	1817.6 x 446	71.56 x 17.55
PDWG206SS	2000 x 600	Stainless Steel and Glass	1939 x 592	76.34 x 23.30	1817.6 x 446	71.56 x 17.55
PDWG207	2000 x 700	Aluminum and Safety Glass	1939 x 693	76.34 x 27.28	1817.6 x 546	71.56 x 21.48
PDW207	2000 x 700	Aluminum and Polycarbonate	1939 x 693	76.34 x 27.28	1817.6 x 546	71.56 x 21.48
PDWG208	2000 x 800	Aluminum and Safety Glass	1939 x 793	76.34 x 31.22	1817.6 x 646	71.56 x 25.42
PDW208	2000 x 800	Aluminum and Polycarbonate	1939 x 793	76.34 x 31.22	1817.6 x 646	71.56 x 25.42
PDWG208SS	2000 x 800	Stainless Steel and Glass	1939 x 792	76.34 x 31.17	1817.6 x 646	71.56 x 25.42
PDWG226	2200 x 600	Aluminum and Safety Glass	2139 x 593	84.21 x 23.34	2017.6 x 446	79.43 x 17.55
PDW226	2200 x 600	Aluminum and Polycarbonate	2139 x 593	84.21 x 23.34	2017.6 x 446	79.43 x 17.55
PDWG227	2200 x 700	Aluminum and Safety Glass	2139 x 693	84.21 x 27.28	2017.6 x 546	79.43 x 21.48
PDW227	2200 x 700	Aluminum and Polycarbonate	2139 x 693	84.21 x 27.28	2017.6 x 546	79.43 x 21.48
PDWG228	2200 x 800	Aluminum and Safety Glass	2139 x 793	84.21 x 31.22	2017.6 x 646	79.43 x 25.42
PDW228	2200 x 800	Aluminum and Polycarbonate	2139 x 793	84.21 x 31.22	2017.6 x 646	79.43 x 25.42
PDWG228SS	2200 x 800	Stainless Steel and Glass	2139 x 792	84.21 x 31.17	2017.6 x 646	79.43 x 25.42

PROLINE® Doors, Covers, and Sides

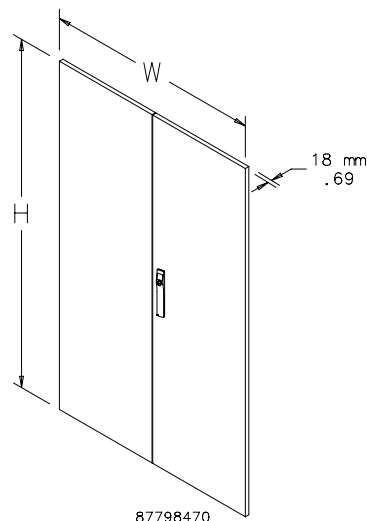
Overlapping Doors **A-T-O**



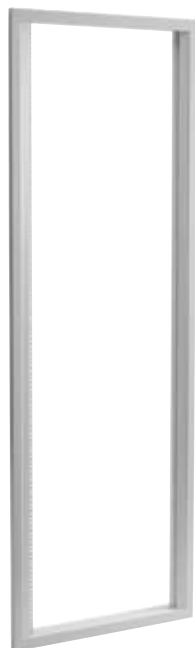
PROLINE overlapping doors provide a door system for the full-width open front of 1200 and 1600mm wide double-bay frames. The slave door latches with two levers to ensure a dusttight seal. The master door uses a 3-point roller latch system operated by a slotted insert. Doors for 700mm frames have 2-point latching. Doors accept standard PROLINE handle options. The overlapping master/slave door design allows unobstructed

access. Patented removable door bar is included on each door that is taller than 700mm. Master door can be hinged on right or left. Steel doors are 14 gauge and finished with RAL 7035 light gray textured polyester powder paint finish (except stainless steel).

Catalog Number	Fits Frame A x B (mm)	H x W (mm)	H x W (in.)
PTD712	700 x 1200	639 x 1191	25.16 x 46.89
PTD1612	1600 x 1200	1539 x 1191	60.59 x 46.89
PTD1812	1800 x 1200	1739 x 1191	68.46 x 46.89
PTD2012	2000 x 1200	1939 x 1191	76.34 x 46.89
PTD2012SS	2000 x 1200	1939 x 1191	76.34 x 46.89
PTD2212	2200 x 1200	2139 x 1191	84.21 x 46.89
PTD2212SS	2200 x 1200	2139 x 1191	84.21 x 46.89
PTD1816	1800 x 1600	1739 x 1591	68.46 x 62.64
PTD2016	2000 x 1600	1939 x 1591	76.34 x 62.64

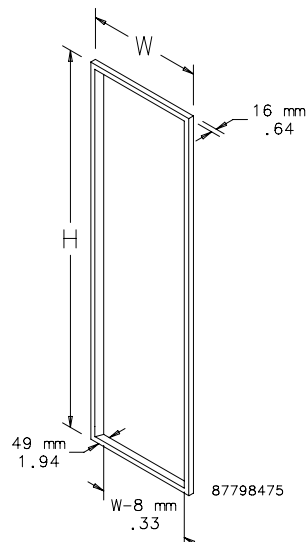


Dress Frame **A-T-O**



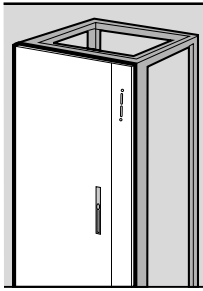
A dress frame provides a decorative trim when a front door or cover is not used. The dress frame can be installed on the front or rear of a PROLINE frame as a substitute for a door. The painted steel dress frame, finished with RAL 7035 textured light gray polyester powder paint, is provided with a snap-in design for easy installation with no tools required. Order rack angles separately, if needed.

Catalog Number	Nominal Size (mm)	H x W (mm)	H x W (in.)
PDF76	700 x 600	639 x 591	25.16 x 23.26
PDF146	1400 x 600	1339 x 591	52.72 x 23.26
PDF166	1600 x 600	1539 x 591	60.56 x 23.26
PDF186	1800 x 600	1739 x 591	68.47 x 23.26
PDF206	2000 x 600	1939 x 591	76.34 x 23.26
PDF226	2200 x 600	2139 x 591	84.21 x 23.26



PROLINE® Doors, Covers, and Sides

Disconnect Door for PROLINE Enclosures **A-TO**



Disconnect doors provide a means to mount flange-mounted disconnects to PROLINE enclosures. Hinged mullion provides unobstructed access to interior, thus easing installation of equipment.

Disconnect mullion is hinged to provide easy disconnect installation and maximum access to subpanel. Patented removable door bar is included on disconnect door. A flush handle with defeater operates an internal 3-point latch system on disconnect door and latches to the disconnect mullion. Interlocking is provided from master door to disconnect

mullion. The disconnect mullion and disconnect door include 140-degree hinges and are gasketed to maintain enclosure integrity. Steel doors are 14 gauge and painted with RAL 7035 light gray textured polyester powder.

PROLINE enclosures with disconnect doors that have preferred cutout disconnect doors, right- or left-hand provision, will accept the following types of flange-mounted disconnect devices:

Allen-Bradley

- Bulletin 1494V disconnect switches with flange-mounted variable-depth operating mechanisms and Bulletin 1494V flange-mounted variable-depth operating mechanisms for circuit breakers.
- Bulletin 140U flexible cable operating mechanisms for 140U molded case circuit breakers.

ABB Controls

- Disconnect switches up to (and including) 200 amp, also operators for ABB circuit breakers up to 800 amp.

Eaton Cutler-Hammer

Variable depth disconnect switches up to (and including) 200 amp, also operators for C-H Westinghouse circuit breakers up to 600 amp. Also, Flex Shaft® handle mechanisms for circuit breakers

General Electric

- Type TDA variable depth mechanisms for disconnect switches up to (and including) 200 amp, also operator mechanisms or Spectra Flex® cable operator for circuit breakers up to 600 amp.

Siemens ITE

- Max-Flex™ flange-mounted variable depth operating handle for disconnect switches and circuit breakers as well as some fixed depth operators for disconnect switches.

Schneider Square D®

- Class 9422 disconnect switches up to (and including) 200 amp, with variable depth or cable mechanisms for 30, 60, or 100 amp. Also circuit breakers with variable depth operators or cable mechanisms up to 400 amp.

PROLINE enclosures with disconnect doors that have large cutout provision will accept the following types of flange-mounted disconnect devices:

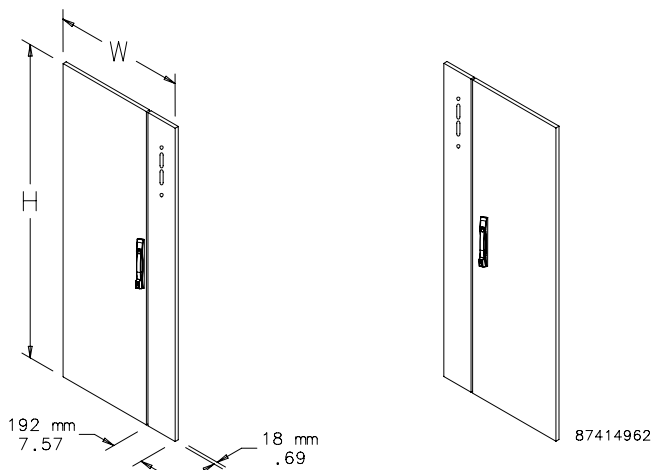
Allen-Bradley

- 1494V-H2 handle used with 400 amp or 600 amp Allen-Bradley disconnect switches.

Siemens ITE

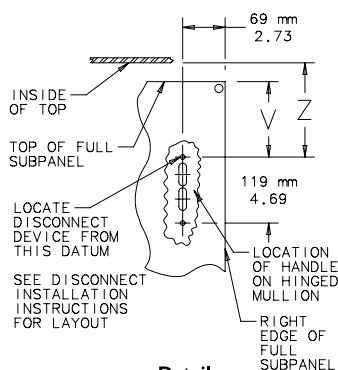
- Max-Flex™ FHOHN handle used with MD 800 amp, ND (1200 amp), PD (1600 amp), and RD (2000 amp).

Disconnect Door Catalog Number	Cutout Provision	Fits Frame A x B (mm)	H x W (mm)	H x W (in.)	V (mm)	V (in.)	Z (mm)	Z (in.)
PTDDC166	Preferred right-hand	1600 x 600	1539 x 594	60.59 x 23.39	221	8.70	269	10.57
PLTDDC166	Preferred left-hand	1600 x 600	1539 x 594	60.59 x 23.39	221	8.70	269	10.57
PTDDC168	Preferred right-hand	1600 x 800	1539 x 794	60.59 x 31.26	221	8.70	269	10.57
PLTDDC168	Preferred left-hand	1600 x 800	1539 x 794	60.59 x 31.26	221	8.70	269	10.57
PTDDC186	Preferred right-hand	1800 x 600	1739 x 594	68.46 x 23.39	321	12.64	369	14.51
PLTDDC186	Preferred left-hand	1800 x 600	1739 x 594	68.46 x 23.39	321	12.64	369	14.51
PTDDC188	Preferred right-hand	1800 x 800	1739 x 794	68.46 x 31.26	321	12.64	369	14.51
PLTDDC188	Preferred left-hand	1800 x 800	1739 x 794	68.46 x 31.26	321	12.64	369	14.51
PTDDC1810	Preferred right-hand	1800 x 1000	1739 x 994	68.46 x 39.13	321	12.64	369	14.51
PLTDDC1810	Preferred left-hand	1800 x 1000	1739 x 994	68.46 x 39.13	321	12.64	369	14.51
PTDDC206	Preferred right-hand	2000 x 600	1939 x 594	76.34 x 23.39	421	16.57	469	18.45
PLTDDC206	Preferred left-hand	2000 x 600	1939 x 594	76.34 x 23.39	421	16.57	469	18.45
PTDDC208	Preferred right-hand	2000 x 800	1939 x 794	76.34 x 31.26	421	16.57	469	18.45
PLTDDC208	Preferred left-hand	2000 x 800	1939 x 794	76.34 x 31.26	421	16.57	469	18.45
PTDDC2010	Preferred right-hand	2000 x 1000	1939 x 994	76.34 x 39.13	421	16.57	469	18.45
PLTDDC2010	Preferred left-hand	2000 x 1000	1939 x 994	76.34 x 39.13	421	16.57	469	18.45
PTDLC206	Large right-hand	2000 x 600	1939 x 594	76.34 x 23.39	435	17.13	483	19.01
PTDLC208	Large right-hand	2000 x 800	1939 x 794	76.34 x 31.26	435	17.13	483	19.01
PTDLC2010	Large right-hand	2000 x 1000	1939 x 994	76.34 x 39.13	435	17.13	483	19.01

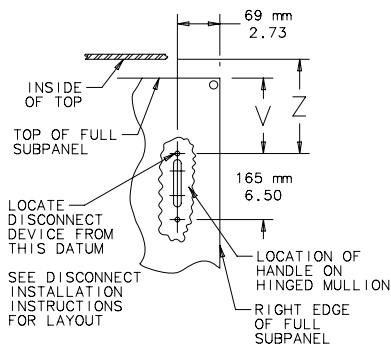


Disconnect Door System
(right provision)

Disconnect Door System
(left provision)

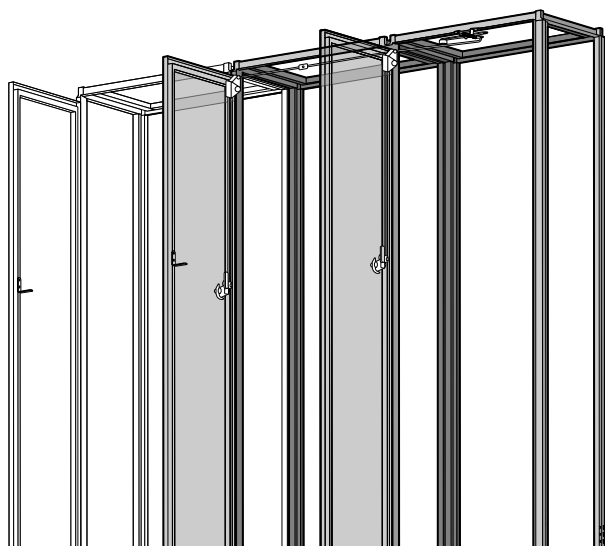


Detail
Preferred Cutout
Full Subpanel



Detail
Large Cutout
Full Subpanel

PROLINE® Doors, Covers, and Sides



Mechanical Interlock **ALTO**

The PROLINE mechanical interlock can be actuated by any PROLINE solid or disconnect door in a multiple-bay enclosure system. Up to ten doors, including window doors, can be interlocked.

The interlock device engages the PROLINE door at the center to provide maximum security. The master door can be positioned in any location. Only after the master door is opened can slave doors be opened. The interlock system is modular and easy to assemble; no drilling or layout work is required to install. Brackets, rods, and fasteners are heavy gauge steel. Meets interlocking requirements established by General Motors, Ford, and Chrysler.

Front-to-Back Interlock **ALTO**

The front-to-back interlock is used to interlock the rear doors of an enclosure in conjunction with a Master Door Actuator Kit and a Slave Door Kit. When the Master Door Actuator Kit on the front of the enclosure is activated (by a solid or disconnect master door) and the Front-to-Back Kit linkage is in place, the pivot bracket is pulled, which activates the Slave Door Kit to interlock the back doors of the enclosure with the front doors.

Catalog Number	Description
PMLMAK	Master Door Activator Kit ^a
PMLSK	Door Slave Kit ^b
PMLEK	Extension Kit
PMLFB	Front-to-Back Kit

^a Order (1) kit for master door.

^b Order (1) kit for each slave door (will accommodate single door, window door, and overlapping doors).

Electrical Interlock **A-T-O**



Application

The electrical interlock provides a positive internal safety lockout on electrical enclosures while the equipment is energized. The interlock is not designed to be used in place of the 3-point standard door hardware. The interlock will fit solid doors. The device also will fit overlapping doors and disconnect doors at top.

Construction

Rugged steel construction and plated finish. Solenoids are rated for continuous duty and will stand up under heavy industrial use. Packaged complete with a solenoid assembly, mounting bracket, and instructions for field installation.

NOTE: Door handles and latching mechanisms are not included.

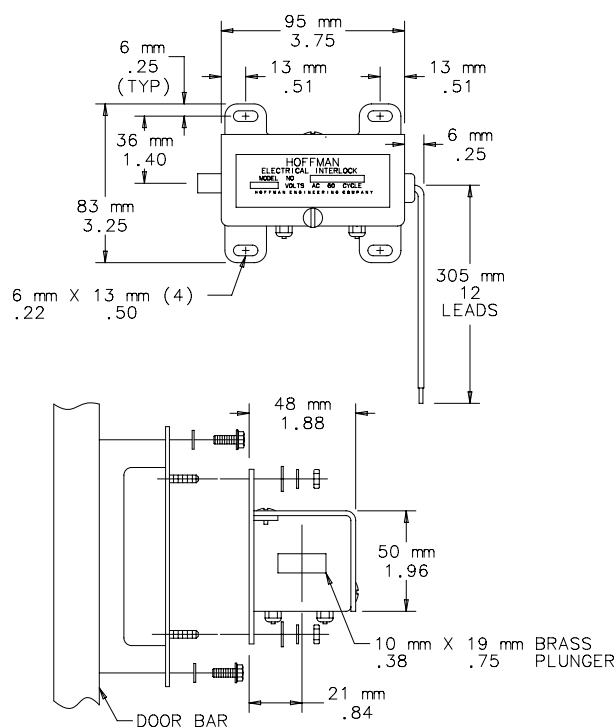
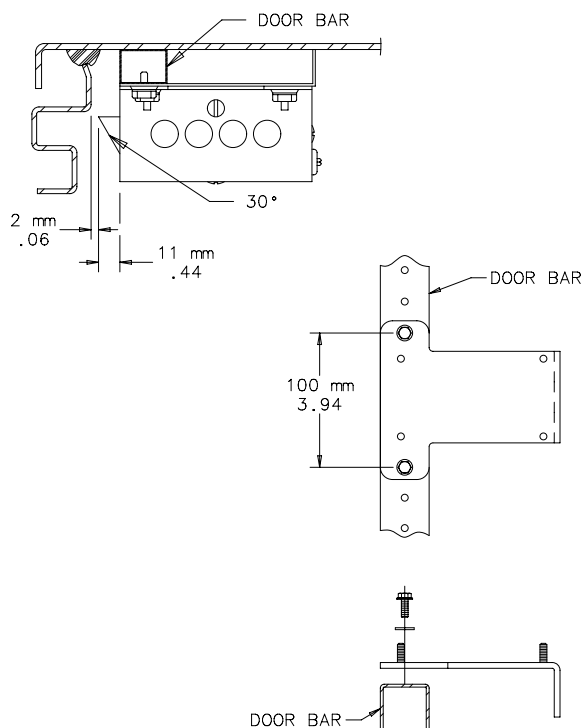
Industry Standards

CSA Certified

Installation

Interlock mounts on bracket attached to door bar on inside of enclosure door.

Catalog Number	Amps @ 120V/60Hz Normal/In Rush	Amps @ 240V/60Hz Normal/In Rush	Amps @ 480V/60Hz Normal/In Rush	Amps @ 110V/50Hz Normal/In Rush	Amps @ 220V/50Hz Normal/In Rush	Amps @ 440V/50Hz Normal/In Rush
PEK115NDH	.100/.63			.120/.69		
PEK230NDH		.050/.32			.060/.35	
PEK460NDH			.025/.16			.030/.18



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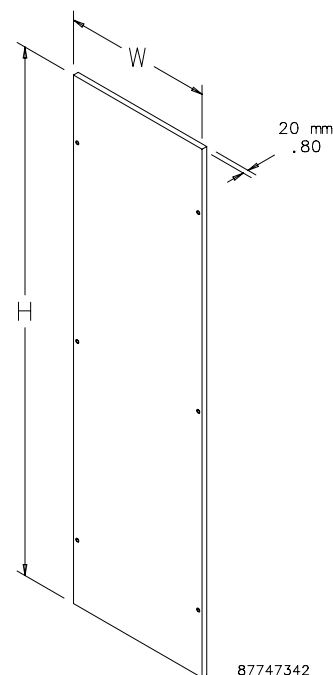
PROLINE® Barrier Panels, Side Door Adapters

Barrier Panels **A-T-O**

Optional blank barrier panels are designed to be used as buffers between joined or ganged enclosure systems. When mounted to the enclosure, they maintain enclosure environmental integrity. Made from 16 gauge steel and finished in RAL 7035 textured light gray polyester powder paint.

EMC Barrier Panels **A-T-O**

EMC barrier panels are designed to be used as electrical buffers between joined or ganged enclosure systems. Made from 14 gauge steel with a plated finish.



87747342

Catalog Number	Type	Description	H (mm)	H (in.)	W (mm)	W (in.)
PBB165	Painted	Fits between frames 1600mm tall x 500mm deep	1539	60.59	453	17.83
PBB165EMC	EMC	Fits between frames 1600mm tall x 500mm deep	1539	60.59	453	17.83
PBB166	Painted	Fits between frames 1600mm tall x 600mm deep	1539	60.59	553	21.77
PBB166EMC	EMC	Fits between frames 1600mm tall x 600mm deep	1539	60.59	553	21.77
PBB168	Painted	Fits between frames 1600mm tall x 800mm deep	1539	60.59	753	29.65
PBB168EMC	EMC	Fits between frames 1600mm tall x 800mm deep	1539	60.59	753	29.65
PBB185	Painted	Fits between frames 1800mm tall x 500mm deep	1739	68.47	453	17.83
PBB185EMC	EMC	Fits between frames 1800mm tall x 500mm deep	1739	68.47	453	17.83
PBB186	Painted	Fits between frames 1800mm tall x 600mm deep	1739	68.47	553	21.77
PBB186EMC	EMC	Fits between frames 1800mm tall x 600mm deep	1739	68.47	553	21.77
PBB188	Painted	Fits between frames 1800mm tall x 800mm deep	1739	68.47	753	29.65
PBB188EMC	EMC	Fits between frames 1800mm tall x 800mm deep	1739	68.47	753	29.65
PBB205	Painted	Fits between frames 2000mm tall x 500mm deep	1939	76.34	453	17.83
PBB205EMC	EMC	Fits between frames 2000mm tall x 500mm deep	1939	76.34	453	17.83
PBB206	Painted	Fits between frames 2000mm tall x 600mm deep	1939	76.34	553	21.77
PBB206EMC	EMC	Fits between frames 2000mm tall x 600mm deep	1939	76.34	553	21.77
PBB208	Painted	Fits between frames 2000mm tall x 800mm deep	1939	76.34	753	29.65
PBB208EMC	EMC	Fits between frames 2000mm tall x 800mm deep	1939	76.34	753	29.65
PBB225	Painted	Fits between frames 2200mm tall x 500mm deep	2139	84.22	453	17.83
PBB225EMC	EMC	Fits between frames 2200mm tall x 500mm deep	2139	84.22	453	17.83
PBB226	Painted	Fits between frames 2200mm tall x 600mm deep	2139	84.22	553	21.77
PBB226EMC	EMC	Fits between frames 2200mm tall x 600mm deep	2139	84.22	553	21.77
PBB228	Painted	Fits between frames 2200mm tall x 800mm deep	2139	84.22	753	29.65
PBB228EMC	EMC	Fits between frames 2200mm tall x 800mm deep	2139	84.22	753	29.65

PROLINE® Barrier Panels, Side Door Adapters

Side Door Adapters **AFTO**



Side door adapters are made from 14 gauge steel and finished in RAL 7035 textured light gray polyester powder paint. They allow the mounting of a standard door to the side of the enclosure. When mounted to the enclosure, they maintain enclosure environmental integrity.

Catalog Number	Description
PCE16550	Fits frames 1600mm tall x 500mm deep
PCE16650	Fits frames 1600mm tall x 600mm deep
PCE16850	Fits frames 1600mm tall x 800mm deep
PCE18550	Fits frames 1800mm tall x 500mm deep
PCE18650	Fits frames 1800mm tall x 600mm deep
PCE18850	Fits frames 1800mm tall x 800mm deep
PCE20550	Fits frames 2000mm tall x 500mm deep
PCE20650	Fits frames 2000mm tall x 600mm deep
PCE20850	Fits frames 2000mm tall x 800mm deep
PCE22550	Fits frames 2200mm tall x 500mm deep
PCE22650	Fits frames 2200mm tall x 600mm deep
PCE22850	Fits frames 2200mm tall x 800mm deep

**Modular Enclosure
Systems**

Flush Swing Handles



Flush Swing Handles

Flush handles are optional for any solid, window, or disconnect door that includes 3-point latching. They are ergonomically designed to provide style and function in a low profile. The handle is die-cast zinc finished with RAL 9005 textured black polyester powder paint. Provision to add your logo is included. Handle can be installed to rotate either clockwise or counterclockwise.

Handle with Screwdriver Defeater

Enclosure security is provided by the integrated tool-to-open feature that releases handle when rotated, thus allowing access to enclosure.

Catalog Number	Description
PFHDF	Flush Handle with Defeater
PFHKBL	Keylocking Flush Handle
PFHPBL	Padlocking Flush Handle
PFHDBL	DIN Profile Flush Handle

Handle with Keylock

Keylock feature locks the handle to provide security for the enclosure. When the key is in the unlocked position, the pushbutton releases handle to provide access into the enclosure. Two keys are furnished.

Handle for Padlock

Padlocking handle provides security when using a 5/16 padlock. Pushbutton releases handle to provide access into the enclosure.

Handle with DIN Profile Provision

DIN flush handle is provided with the option to add your DIN profile lock or to accept Hoffman DIN profile lock PDKL (order separately).

Flush Bezels



Bezel with Insert

Bezel with Insert can be used on any solid, window or disconnect door when a low-profile, tool-to-open operating mechanism is needed. Handle is finished with RAL 9005 textured black polyester powder paint. Provision to add your logo is included. Flush bezels are provided with screwdriver slot insert. Other key inserts are available to fit the flush bezel (order separately).

Small Bezel with Insert

Small bezel with insert can be used in place of the small flush

swing handle when a low-profile, tool-to-open operating mechanism is needed. Handle is finished with RAL 9005 textured black polyester powder paint. Provision to add your logo is included. Small flush bezels are furnished with a screwdriver slot insert. Other key inserts are available to fit the small flush bezel (order separately).

Catalog Number	Description
PFBS	Flush Bezel with insert
PSFBS	Small Flush Bezel with Insert
PFBSSS	Large Flush Bezel with Stainless Steel Insert
PSFBSSS	Small Flush Bezel with Stainless Steel Insert

L Handle



The L handle is a stylish option for any solid, window, or disconnect door. It can be installed to rotate either clockwise or counterclockwise. Handle includes keylocking provision and is finished with RAL 9005 textured black polyester powder paint. Two keys are included. The handle permits your logo to be inserted.

Catalog Number
PLHK

Small Flush Swing Handle **A-T-O**



Swing handles are used on smaller doors (doors 1000mm and less in height that have two-point latching). Handles are ergonomically designed to provide style and function in a low profile. They can be installed to rotate either clockwise or counterclockwise. The shape of the design provides aesthetic compatibility with the flush swing handles. This handle includes keylocking provision, two keys, provision to add your logo, and is furnished in RAL 9005 textured black polyester powder paint.

Catalog Number	Description
PSHKBL	One handle and two keys

Key Inserts **A-T-O**



Key inserts are used with flush bezels. Optional for any solid, window, and disconnect door. Key inserts are zinc die-cast unless noted. A matching key is included (except PKOATT).

Catalog Number	Description
PKOTM7	7mm triangle
PKOTM8	8mm triangle
PKOTM65	CNOMO
PKOSM7	7mm square
PKOSM8	8mm square
PKOGBK3	Double-bit w/3mm pin
PKOGB	Daimler Benz
PKOATT	AT & T
PKOGBK3SS	Double-bit insert

Padlock Kit



The kit adds a padlocking capability to any of the flush swing handles (except for small flush swing handle). Field modification of the flush handle is required. Includes a stainless steel locking post that will accommodate up to a 5/16 padlock shackle.

Catalog Number
PFHPK

DIN Keylock



The DIN profile lock provides keylocking security for the flush swing handle with DIN provision. Includes profile lock and two keys. Order one profile lock for each handle.

Catalog Number	Description
PKOSLFH	Slotted insert profile cylinder
PKOTM7FH	7mm triangle insert profile cylinder
PKOSM7FH	7mm square insert profile cylinder
PKOTM8FH	8mm triangle insert profile cylinder
PKOSM8FH	8mm square insert profile cylinder
PKOGBK3FH	Double-bit 3mm insert profile cylinder
PDKL	DIN keylock, 2 keys included

Tamperproof Screws and Bit **A-T-O**



Tamperproof screws can be used with solid covers and solid sides. The screws have a tamperproof recess that requires a special driver bit for installation and removal. The screw package has 18 tamperproof screws with a clear plated finish. The tamperproof bit, which must be ordered separately, fits any standard 1/4-inch hex driver.

Catalog Number	Description
PSTM6	Tamperproof Screws
ATRS DVR	Tamperproof Bit

Folding Shelf



The shelf mounts to door using the door bar grid straps (sold separately). Shelf is 16 gauge steel with 12 gauge brackets. Shelf finish is RAL 7035 textured light gray polyester powder paint. Locks in two positions 90 degrees as a shelf and 15 degrees as a writing surface. Also mounts to three-row grid straps, side or back panel, or any flat surface. Holds up to 30 pounds.

Catalog Number	Description
PSHDM	Fits door widths 600, 700, 800, and 1000mm

Door Bar Grid Straps



Straps mount to the door bar. Used to mount accessories to the door. Constructed of 16 gauge steel with plated finish. Holds up to 100 pounds.

Catalog Number	Description
PGH1S4D	Fits door width of 400mm
PGH1S5D	Fits door width of 500mm
PGH1S6D	Fits door width of 600mm
PGH1S7D	Fits door width of 700mm
PGH1S8D	Fits door width of 800mm
PGH1S10D	Fits door width of 1000mm

180-degree Hinge Kit **A-T-O**



Optional hinging for solid, window, or disconnect doors. The 180° hinges provide up to a 260° door opening on single-bay enclosures. These hinges mount to the door flange and have a low-profile appearance. The kit includes three hinges finished with RAL 9005 textured black polyester powder paint and all necessary mounting hardware.

Catalog Number	Description
PH180	180° Hinge Kit

Door Stop Kit **A-T-O**



The door stop kit holds doors open at 130°. The kit includes a slotted bracket that mounts to either the top or bottom of the door and a stop arm that attaches to the frame. The door stop kit is plated, mounts without drilling, and includes all necessary mounting hardware. Not suitable for use with 180° hinging. Drill points in window door brackets for mounting door stop kit.

Catalog Number
PDSK

Door Support Roller Kit **A-T-O**



The door support roller kit supports and aligns heavy doors. Kit is suitable for all solid doors and glass window doors. Kit is not recommended for use on solid doors with door bars removed or polycarbonate window doors. Drill points in window door brackets for mounting door stop kit.

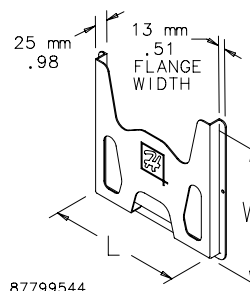
Catalog Number
PDSRKL

Thermoplastic Data Pocket



Provides a convenient place to store wiring diagrams, operation manuals, and other documentation inside the enclosure. Adhesive-backed pockets mount inside the solid enclosure cover. Mounting hardware included. Thermoplastic pockets are dark gray and have cut-away areas for easy inspection of contents.

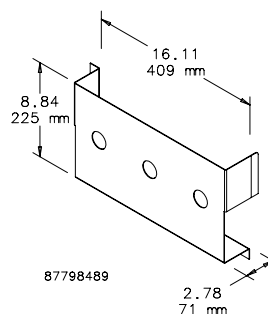
Catalog Number	Description	Fits A x B (mm)	L (mm)	L (in.)	W (mm)	W (in.)
ADP1	Small pocket	508 x 406 and 610 x 610	152	5.98	152	5.98
ADP2	Large pocket	762 x 610	305	12.01	305	12.01



Steel Data Pocket

Steel data pocket fastens to the bottom of the door. Finish is RAL 7035 textured light gray polyester powder paint. Door bar grid straps (purchased separately) must be used to change the vertical mounting position of the data pocket.

Catalog Number	A x B x C mm (in.)	Description
PDP1	418 x 224 x 72 (16.46 x 8.82 x 2.83)	Single size fits all door widths



PROLINE® Tops and Bases

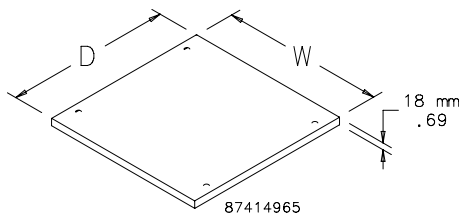
**PROLINE EXTERNAL
COMPONENTS**

**Bulletin
P20, P20EM, P20S, DPC**

Solid Tops **A-T-O**



Solid tops are used to close the top opening on an enclosure frame. Steel tops are finished in RAL 7035 textured light gray. EMC solid tops are finished with paint over over plated surfaces. Solid tops are gasketed and include ground studs. Bolts are included to hold the top in place (lifting eyes can be used instead of bolts).



Catalog Number	Type	Gauge	Frame Type	Fits Frame B x C (mm)	W (mm)	W (in.)	D (mm)	D (in.)
PT45	Steel	16	Single-Bay	400 x 500	399	15.71	499	19.65
PT46	Steel	16	Single-Bay	400 x 600	399	15.71	599	23.58
PT64	Steel	16	Single-Bay	600 x 400	592	23.31	399	15.71
PT64HF2	EMC	16	Single-Bay	600 x 400	592	23.31	399	15.71
PT65	Steel	16	Single-Bay	600 x 500	592	23.31	499	19.65
PT65HF2	EMC	16	Single-Bay	600 x 500	592	23.31	499	19.65
PT66	Steel	16	Single-Bay	600 x 600	592	23.31	599	23.58
PT66HF2	EMC	16	Single-Bay	600 x 600	592	23.31	599	23.58
PT66SS	Stainless Steel	16	Single-Bay	600 x 600	592	23.31	599	23.58
PT68	Steel	16	Single-Bay	600 x 800	592	23.31	799	31.46
PT68HF2	EMC	16	Single-Bay	600 x 800	592	23.31	799	31.46
PT68SS	Stainless Steel	16	Single-Bay	600 x 800	592	23.31	799	31.46
PT76	Steel	16	Single-Bay	700 x 600	692	27.24	599	23.58
PT76HF2	EMC	16	Single-Bay	700 x 600	692	27.24	599	23.58
PT78	Steel	16	Single-Bay	700 x 800	692	27.24	799	31.46
PT78HF2	EMC	16	Single-Bay	700 x 800	692	27.24	799	31.46
PT79	Steel	14	Single-Bay	700 x 900	692	27.24	899	35.39
PT79HF2	EMC	14	Single-Bay	700 x 900	692	27.24	899	35.39
PT84	Steel	16	Single-Bay	800 x 400	792	31.18	399	15.71
PT84HF2	EMC	16	Single-Bay	800 x 400	792	31.18	399	15.71
PT85	Steel	16	Single-Bay	800 x 500	792	31.18	499	19.65
PT85HF2	EMC	16	Single-Bay	800 x 500	792	31.18	499	19.65
PT86	Steel	16	Single-Bay	800 x 600	792	31.18	599	23.58
PT86HF2	EMC	16	Single-Bay	800 x 600	792	31.18	599	23.58
PT86SS	Stainless Steel	16	Single-Bay	800 x 600	792	31.18	599	23.58
PT88	Steel	14	Single-Bay	800 x 800	792	31.18	799	31.46
PT88HF2	EMC	14	Single-Bay	800 x 800	792	31.18	799	31.46
PT88SS	Stainless Steel	16	Single-Bay	800 x 800	792	31.18	799	31.46
PT89	Steel	14	Single-Bay	800 x 900	792	31.18	799	31.46
PT89HF2	EMC	14	Single-Bay	800 x 900	792	31.18	799	31.46
PT105	Steel	16	Single-Bay	1000 x 500	992	39.06	499	19.65
PT105HF2	EMC	16	Single-Bay	1000 x 500	992	39.06	499	19.65
PT106	Steel	16	Single-Bay	1000 x 600	992	39.06	599	23.58
PT106SS	Stainless Steel	16	Single-Bay	1000 x 600	992	39.06	599	23.58
PT106HF2	EMC	16	Single-Bay	1000 x 600	992	39.06	599	23.58
PT108	Steel	14	Single-Bay	1000 x 800	992	39.06	799	31.46
PT108HF2	EMC	14	Single-Bay	1000 x 800	992	39.06	799	31.46
PT108SS	Stainless Steel	16	Single-Bay	1000 x 800	992	39.06	799	31.46
PT124	Steel	16	Double-Bay	1200 x 400	1192	46.93	399	15.71
PT125	Steel	16	Double-Bay	1200 x 500	1192	46.93	499	19.65
PT126	Steel	16	Double-Bay	1200 x 600	1192	46.93	599	23.58
PT126SS	Stainless Steel	16	Double-Bay	1200 x 600	1192	46.93	599	23.58
PT128	Steel	14	Double-Bay	1200 x 800	1192	46.93	799	31.46
PT128SS	Stainless Steel	14	Double-Bay	1200 x 800	1192	46.93	799	31.46
PT165	Steel	16	Double-Bay	1600 x 500	1592	62.68	499	19.65
PT166	Steel	16	Double-Bay	1600 x 600	1592	62.68	599	23.58
PT168	Steel	14	Double-Bay	1600 x 800	1592	62.68	799	31.46

PROLINE® Tops and Bases

**PROLINE EXTERNAL
COMPONENTS**

**Bulletin
P20, P20EM, P20S, DPC**

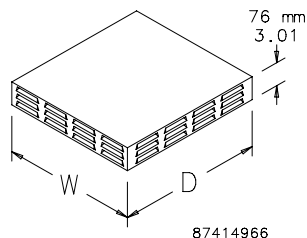
Vented Tops with Integral Fan Trays



Vented top with integral fan tray provides a cooling/ventilation solution for electronic and networking applications. An integral fan tray with three pre-wired and mounted fans provides up to 200-300 cfm of exhaust.

The deeper vented tops (500 through 800mm deep) have integral fan trays with cutouts for mounting additional fans (see Additional Fans table). Accessory fan kits (consisting of three pre-wired fans) can be installed to provide additional airflow. Unused fan positions are provided with covers to prevent short-circuiting of airflow. Since the fan pulls air through the enclosure to cool equipment, an optional inlet vent (catalog number PPV32 or PPV32B) must be ordered separately. Vented tops are 16 gauge steel and finished with RAL 7035 light gray textured polyester powder paint. EMC tops are finished with paint over plated surfaces.

The vented top is designed to be used in place of a standard top. Bolts are provided to secure vented top to frame. The enclosure can be lifted with a vented top installed (requires accessory lifting eyes).



87414966

Catalog Number	Type	Voltage	Fits Frame		W (mm)	W (in.)	D (mm)	D (in.)
			Top B x C					
PVT3F641	Steel	115	600 x 400	590.8	23.26	392	15.46	
PVT3F651	Steel	115	600 x 500	592	23.31	492.8	19.40	
PVT3F651EMC	EMC	115	600 x 500	590.8	23.26	492.8	19.40	
PVT3F661	Steel	115	600 x 600	590.8	23.26	592.8	23.33	
PVT3F661EMC	EMC	115	600 x 600	590.8	23.26	592.8	23.34	
PVT3F681	Steel	115	600 x 800	590.8	23.26	792.8	31.12	
PVT3F681EMC	EMC	115	600 x 800	590.8	23.26	792.8	31.21	
PVT3F761	Steel	115	700 x 600	690.8	27.20	592.8	23.34	
PVT3F761EMC	EMC	115	700 x 600	690.8	27.20	592.8	23.34	
PVT3F781	Steel	115	700 x 800	690.8	27.20	792.8	31.21	
PVT3F781EMC	EMC	115	700 x 800	690.8	27.20	792.8	31.21	
PVT3F791	Steel	115	700 x 900	690.8	27.20	892.8	35.15	
PVT3F791EMC	EMC	115	700 x 900	690.8	27.20	892.8	35.15	
PVT3F841	Steel	115	800 x 400	790.8	31.13	392.8	15.46	
PVT3F851	Steel	115	800 x 500	792	31.18	492.8	19.40	
PVT3F851EMC	EMC	115	800 x 500	790.8	31.13	492.8	19.40	
PVT3F861	Steel	115	800 x 600	792	31.18	592.8	23.34	
PVT3F861EMC	EMC	115	800 x 600	790.8	31.13	592.8	23.34	
PVT3F881	Steel	115	800 x 800	792	31.18	792.8	31.21	
PVT3F881EMC	EMC	115	800 x 800	790.8	31.13	792.8	31.21	
PVT3F642	Steel	230	600 x 400	590.8	23.26	392.8	15.46	
PVT3F652	Steel	230	600 x 500	590.8	23.26	492.8	19.40	
PVT3F652EMC	EMC	230	600 x 500	590.8	23.26	492.8	19.40	
PVT3F662	Steel	230	600 x 600	590.8	23.26	592.8	23.34	
PVT3F662EMC	EMC	230	600 x 600	590.8	23.26	592.8	23.34	
PVT3F682	Steel	230	600 x 800	590.8	23.26	792.8	31.21	
PVT3F682EMC	EMC	230	600 x 800	590.8	23.26	792.8	31.21	
PVT3F762	Steel	230	700 x 600	690.8	27.20	592.8	23.34	
PVT3F762EMC	EMC	230	700 x 600	690.8	27.20	592.8	23.34	
PVT3F782	Steel	230	700 x 800	690.8	27.20	792.8	31.21	
PVT3F782EMC	EMC	230	700 x 800	690.8	27.20	792.8	31.21	
PVT3F792	Steel	230	700 x 900	690.8	27.20	892.8	35.15	
PVT3F792EMC	EMC	230	700 x 900	690.8	27.20	892.8	35.15	
PVT3F842	Steel	230	800 x 400	790.8	31.13	392.8	15.46	
PVT3F852	Steel	230	800 x 500	790.8	31.13	492.8	19.40	
PVT3F852EMC	EMC	230	800 x 500	790.8	31.13	492.8	19.40	
PVT3F862	Steel	230	800 x 600	790.8	31.13	592.8	23.34	
PVT3F862EMC	EMC	230	800 x 600	790.8	31.13	592.8	23.34	
PVT3F882	Steel	230	800 x 800	790.8	31.13	792.8	31.21	
PVT3F882EMC	EMC	230	800 x 800	790.8	31.13	792.8	31.21	

NOTE: This component is rated UL Type 1. Installing this component on an enclosure brings the enclosure rating to UL Type 1.

Additional Fans Catalog Number	Voltage	Description
PVT3F1	115	3-fan kit
PVT3F2	230	3-fan kit

Individual Fan Performance	50Hz	60Hz
	Airflow 0" static pressure	95CFM (162 cu. m/hr)
	Maximum static pressure W.C.	0.29" (73Pa)
	Maximum ambient temp	158 °F (70 °C)
	Power consumption	15W

Frame Depth	Number of Fans Provided	Maximum Number of Fans Possible
400	3	3
500	3	6
600	3	6
800	3	9
900	3	9

Modular Enclosure
Systems

PROLINE® Tops and Bases

**PROLINE EXTERNAL
COMPONENTS**

**Bulletin
P20, P20EM, P20S, DPC**

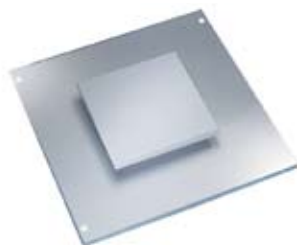
Lifting Eyes A-T-O



Lifting eyes are used for lifting PROLINE modular frames and for fastening PROLINE top accessories to the frame. Lifting eyes thread into corner blocks in a frame. Furnished in sets of four with plated finish.

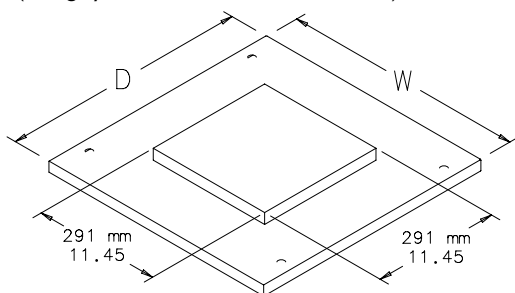
Lifting eyes are designed for overhead lifting in conjunction with shackles and a spreader bar. Use of shackles instead of hooks is preferred. The angle between the top of the enclosure and the cable or chain must be at least 45°. Use only slings and spreader bars that are designed for the specific application and are in compliance with regulations established by OSHA, ASME, ISA, ASTM, and other governing agencies.

Pagoda Tops A-T-O



Pagoda tops are available to fit on top of standard frames. Design features a drip-proof raised pagoda vent with a 115-volt integral axial exhaust fan. Double-bay pagoda tops have one drip-proof raised pagoda vent opening positioned over one bay that can be oriented for right or left ventilation. Pagoda tops are finished with RAL 7035

textured light gray polyester powder paint. Bolts secure pagoda top to frame (lifting eyes can be used instead of bolts).



87417326

Pagoda Exhaust Vents



Pagoda exhaust vents can be field-installed on any PROLINE solid top. An axial fan and finger guard are mounted in a housing. A drip-proof raised cover is removable from inside the enclosure. Gasket and mounting hardware are included. Vent housing and raised cover are 14 gauge steel finished with RAL 7035 textured light gray polyester powder paint.

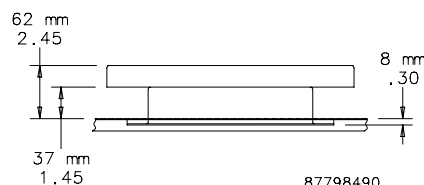
Catalog Number
PLEM12

Catalog Number	Gauge	Frame Type	Fits Frame Top B x C (mm)	W (mm)	W (in.)	D (mm)	D (in.)
PPT64	16	Single-Bay	600 x 400	591.8	23.30	398.8	15.70
PPT65	16	Single-Bay	600 x 500	591.8	23.30	498.8	19.64
PPT66	16	Single-Bay	600 x 600	591.8	23.30	598.8	23.57
PPT68	16	Single-Bay	600 x 800	591.8	23.30	798.8	31.45
PPT76	16	Single-Bay	700 x 600	691.8	27.24	598.8	23.57
PPT78	16	Single-Bay	700 x 800	691.8	27.24	798.8	31.45
PPT79	14	Single-Bay	700 x 900	691.8	27.24	898.8	35.39
PPT84	16	Single-Bay	800 x 400	591.8	23.30	398.8	15.70
PPT85	16	Single-Bay	800 x 500	791.8	31.17	498.8	19.64
PPT86	16	Single-Bay	800 x 600	791.8	31.17	598.8	23.57
PPT88	14	Single-Bay	800 x 800	791.8	31.17	798.8	31.45
PPT89	14	Single-Bay	800 x 900	791.8	31.17	898.8	35.39
PPT105	16	Single-Bay	1000 x 500	991.8	39.05	498.8	19.64
PPT106	16	Single-Bay	1000 x 600	991.8	39.05	598.8	23.57
PPT108	14	Single-Bay	1000 x 800	991.8	39.05	798.8	31.45
PPT124	16	Double-Bay	1200 x 400	1191.8	46.92	398.8	15.70
PPT125	16	Double-Bay	1200 x 500	1191.8	46.92	498.8	19.64
PPT126	16	Double-Bay	1200 x 600	1191.8	46.92	598.8	23.57
PPT128	14	Double-Bay	1200 x 800	1191.8	46.92	798.8	31.45
PPT165	16	Double-Bay	1600 x 500	1591.8	62.67	498.8	19.64
PPT166	16	Double-Bay	1600 x 600	1591.8	62.67	598.8	23.57
PPT168	14	Double-Bay	1600 x 800	1591.8	62.67	798.8	31.45

NOTE: This component is rated UL Type 1. Installing this component on an enclosure brings the enclosure rating to UL Type 1.

Catalog Number	Description	Volt
PPT1	Leadwires	115
PPT1C	Power cord	115
PPT2	Leadwires	230

NOTE: This component is rated UL Type 1. Installing this component on an enclosure brings the enclosure rating to UL Type 1.



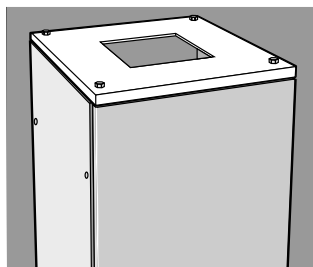
87798490

PROLINE® Tops and Bases

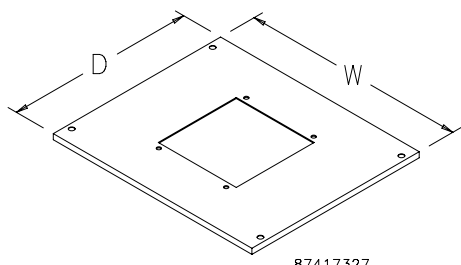
**PROLINE EXTERNAL
COMPONENTS**
Bulletin
P20, P20EM, P20S, DPC

Top with Cutout for High Performance Pagoda Exhaust Vent

A-T-O



The tops fit standard frames. Single-bay tops have a cutout that accepts one high performance pagoda vent. Double-bay tops have one cutout that can be oriented for left-bay or right-bay pagoda ventilation. Tops are finished with textured light gray RAL 7035 polyester powder paint. EMC tops are finished with paint over plated surfaces. Bolts are furnished to hold top in position (lifting eyes can be used in place of bolts). Top is gasketed. Ground studs are included. Consult Hoffman for delivery.



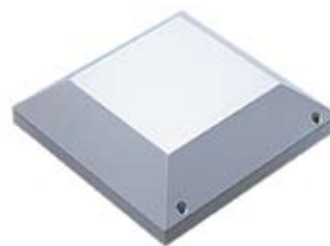
87417327

Catalog Number	Gauge	Fits Frame Top B x C (mm)	W (mm)	W (in.)	D (mm)	D (in.)
PPTHP65	16	600 x 500	591.8	23.30	498.8	19.64
PPTHP65EMC	16	600 x 500	591.8	23.30	498.8	19.64
PPTHP66	16	600 x 600	591.8	23.30	598.8	23.57
PPTHP66EMC	16	600 x 600	591.8	23.30	598.8	23.57
PPTHP68	16	600 x 800	591.8	23.30	798.8	31.45
PPTHP68EMC	16	600 x 800	591.8	23.30	798.8	31.45
PPTHP76	16	700 x 600	691.8	27.24	598.8	23.57
PPTHP76EMC	16	700 x 600	691.8	27.24	598.8	23.57
PPTHP78	16	700 x 800	691.8	27.24	798.8	31.45
PPTHP78EMC	16	700 x 800	691.8	27.24	798.8	31.45
PPTHP79	14	700 x 900	691.8	27.24	898.8	35.39
PPTHP79EMC	14	700 x 900	691.8	27.24	898.8	35.39
PPTHP85	16	800 x 500	791.8	31.17	498.8	19.64
PPTHP85EMC	16	800 x 500	791.8	31.17	498.8	19.64
PPTHP86	16	800 x 600	791.8	31.17	598.8	23.57
PPTHP86EMC	16	800 x 600	791.8	31.17	598.8	23.57
PPTHP88	14	800 x 800	791.8	31.17	798.8	31.45
PPTHP88EMC	14	800 x 800	791.8	31.17	798.8	31.45
PPTHP89	14	800 x 900	791.8	31.17	898.8	35.39
PPTHP89EMC	14	800 x 900	791.8	31.17	898.8	35.39
PPTHP105	16	1000 x 500	991.8	39.05	498.8	19.64
PPTHP105EMC	16	1000 x 500	991.8	39.05	498.8	19.64
PPTHP106	16	1000 x 600	991.8	39.05	598.8	23.57
PPTHP106EMC	16	1000 x 600	991.8	39.05	598.8	23.57
PPTHP108	14	1000 x 800	991.8	39.05	798.8	31.45
PPTHP108EMC	14	1000 x 800	991.8	39.05	798.8	31.45
PPTHP125	16	1200 x 500	1191.8	46.95	498.8	19.64
PPTHP125EMC	16	1200 x 500	1191.8	46.95	498.8	19.64
PPTHP126	16	1200 x 600	1191.8	46.92	598.8	23.57
PPTHP126EMC	16	1200 x 600	1191.8	46.92	598.8	23.57
PPTHP128	14	1200 x 800	1191.8	46.92	798.8	31.45
PPTHP128EMC	14	1200 x 800	1191.8	46.92	798.8	31.45
PPTHP165	16	1600 x 500	1591.8	62.67	498.8	19.64
PPTHP165EMC	16	1600 x 500	1591.8	62.67	498.8	19.64
PPTHP166	16	1600 x 600	1591.8	62.67	598.8	23.57
PPTHP166EMC	16	1600 x 600	1591.8	62.67	598.8	23.57
PPTHP168	14	1600 x 800	1591.8	62.67	798.8	31.45
PPTHP168EMC	14	1600 x 800	1591.8	62.67	798.8	31.45

NOTE: This component is rated UL Type 1. Installing this component on an enclosure brings the enclosure rating to UL Type 1.

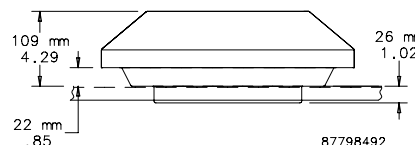
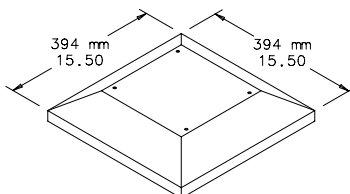
High Performance Pagoda Exhaust Vent

A-T-O



Vents fit on standard PROLINE top with vent cutout or can be field-installed on any PROLINE solid top. The pagoda vent features an integral centrifugal blower mounted in a housing that includes a drip-proof removable hood, wire mesh finger guard, perimeter gasket, and terminal block.

Electromagnetic-compatible (EMC) pagoda vents include a conductive screen, conductive gasket, line filter, and 6-foot power cord with stripped leads. Pagoda vent housing and hood are rugged I4 gauge steel finished with RAL 7035 textured light gray polyester powder paint. EMC vents are finished with paint over plated surfaces. Installation hardware is included.



87798492

Catalog Number	Description	Voltage	Use With
PPTHP1	Leadwires	115	Top with high performance pagoda vent cutout
PPTHP1C	Power cord	115	Top with high performance pagoda vent cutout
PPTHP2	Leadwires	230	Top with high performance pagoda vent cutout
PPTHP1EMC	Power cord	115	Top with high performance pagoda vent cutout on EMC enclosures
PPTHP2EMC	Power cord	230	Top with high performance pagoda vent cutout

NOTE: This component is rated UL Type 1. Installing this component on an enclosure brings the enclosure rating to UL Type 1.

PROLINE® Tops and Bases

Top-Mount Air Conditioner

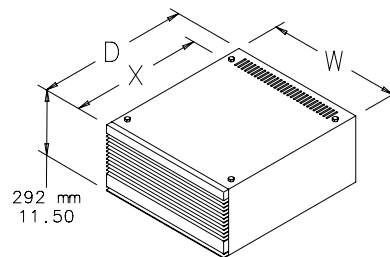


Top-mounted air conditioners replace the solid top in a standard assembly. Air conditioners require no hole cutting or special kits for installation. These air conditioners are available with cooling capacities of 2000 and 4000 BTU/Hr and are equipped with an adjustable thermostat for optimal enclosure

temperature regulation. Top-mount air conditioners are finished with RAL 7035 textured light gray polyester powder paint.

NOTES

1. Gasket kit and hardware for mounting to enclosure are included.
2. Condensate overflow drain hose included.



87414969

Catalog Number	Dimensions W x D (mm)	Dimensions W x D (in.)	Fits Frame Top B x C (mm)	X (mm)	X (in.)	FLA @ Max. Amb. Temp., 115/60	FLA @ Max. Amb. Temp., 115/50	FLA @ Max. Amb. Temp., 230/60	FLA @ Max. Amb. Temp., 230/50	BTU/Hr (Watts) @ Max. Amb. Temp., 115/60	BTU/Hr (Watts) @ Max. Amb. Temp., 115/50	BTU/Hr (Watts) @ Max. Amb. Temp., 230/60	BTU/Hr (Watts) @ Max. Amb. Temp., 230/50	Max. Amb. Temp., °F	Max. Amb. Temp., °C	Ship Wt. (lbs)	Ship Wt. (Kgs)
PAC216T64	592 x 400	23.31 x 15.75	600 x 400	315	12.38	6.8	6.8			2400 (702)	2200 (644)			125	52	125	57
PAC226T64	592 x 400	23.31 x 15.75	600 x 400	315	12.38			3.6	4.2			2800 (819)	2500 (731)	125	52	125	57
PAC216T65	592 x 499	23.31 x 19.62	600 x 500	414	16.31	6.8	6.8			2400 (702)	2200 (644)			125	52	133	60
PAC226T65	592 x 400	23.31 x 19.62	600 x 500	414	16.31			3.6	4.2			2800 (819)	2500 (731)	125	52	133	60
PAC216T66	592 x 600	23.31 x 23.62	600 x 600	514	20.25	6.8	6.8			2400 (702)	2200 (644)			125	52	140	64
PAC226T66	592 x 600	23.31 x 23.62	600 x 600	514	20.25			3.6	4.2			2800 (819)	2500 (731)	125	52	140	64
PAC216T84	792 x 400	31.19 x 15.75	800 x 400	315	12.38	6.8	6.8			2400 (702)	2200 (644)			125	52	140	64
PAC226T84	792 x 400	31.19 x 15.75	800 x 400	315	12.38			3.6	4.2			2800 (819)	2500 (731)	125	52	140	64
PAC216T85	792 x 499	31.19 x 19.62	800 x 500	414	16.31	6.8	6.8			2400 (702)	2200 (644)			125	52	150	68
PAC226T85	792 x 499	31.19 x 19.62	800 x 500	414	16.31			3.6	4.2			2800 (819)	2500 (731)	125	52	150	68
PAC216T86	792 x 600	31.19 x 23.62	800 x 600	514	20.25	6.8	6.8			2400 (702)	2200 (644)			125	52	160	73
PAC226T86	792 x 600	31.19 x 23.62	800 x 600	514	20.25			3.6	4.2			2800 (819)	2500 (731)	125	52	160	73
PAC416T66	592 x 600	23.31 x 23.62	600 x 600	376	14.80	13.6	14.7			4000 (1170)	3300 (965)			125	52	160	73
PAC426T66	592 x 600	23.31 x 23.62	600 x 600	376	14.80			7.5	8.0			4000 (1170)	3300 (965)	125	52	160	73
PAC416T68	592 x 800	23.31 x 31.50	600 x 800	476	18.74	13.6	14.7			4000 (1170)	3300 (965)			125	52	180	82
PAC426T68	592 x 800	23.31 x 31.50	600 x 800	476	18.74			7.5	8.0			4000 (1170)	3300 (965)	125	52	180	82
PAC416T86	792 x 600	31.19 x 23.62	800 x 600	376	14.80	13.6	14.7			4000 (1170)	3300 (965)			125	52	180	82
PAC426T86	792 x 600	31.19 x 23.62	800 x 600	376	14.80			7.5	8.0			4000 (1170)	3300 (965)	125	52	180	82
PAC416T88	792 x 800	31.19 x 31.50	800 x 800	476	18.74	13.6	14.7			4000 (1170)	3300 (965)			125	52	200	91
PAC426T88	792 x 800	31.19 x 31.50	800 x 800	476	18.74			7.5	8.0			4000 (1170)	3300 (965)	125	52	200	91

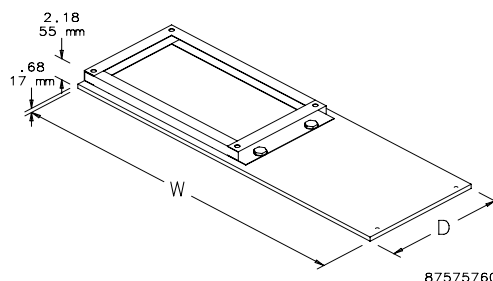
PROLINE® Tops and Bases

Double-Bay Air Conditioner Top



Top provides mounting accommodations for PROLINE Top Mount Air Conditioners. Top can rotate for either left-side or right-side mounting for double bay frames. Finish is RAL

7035 light gray polyester powder paint. Top cover, support bracket, and mounting hardware are included in each package.



Catalog Number	Fits Frame Top B x C (mm)	Gauge	W (mm)	W (in.)	D (mm)	D (in.)	Fits Top Mount Air Conditioners
PTAC126	1200 x 600	16	1192	46.93	599	23.58	PAC216T66, PAC226T66, PAC416T66, PAC426T66
PTAC128	1200 x 800	14	1192	46.93	799	31.46	PAC416T68, PAC426T68
PTAC166	1600 x 600	16	1592	62.68	599	23.58	PAC216T86, PAC226T86, PAC416T86, PAC426T86
PTAC168	1600 x 800	14	1592	62.68	799	31.46	PAC416T88, PAC426T88

Support Bracket Kit



Brackets provide additional support for large air conditioners or other heavy devices that can be mounted on modular enclosure sides. Support brackets fit between the frame and sides to provide two horizontal rigid supports. They can be positioned at various heights

to accommodate any size air conditioner or device. Brackets can also be used between frames and tops for supporting heavy devices mounted on top of modular enclosures. Brackets are plated 14 gauge steel and are furnished in pairs. Hardware for mounting brackets is included.

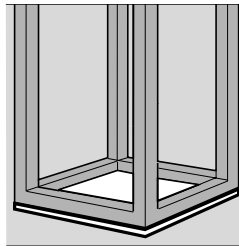
Catalog Number	Fits Frame Width
PACB4	400mm deep frames
PACB5	500mm deep frames
PACB6	600mm deep frames
PACB8	800mm deep frames

PROLINE® Tops and Bases

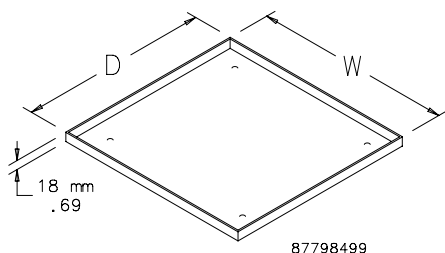
**PROLINE EXTERNAL
COMPONENTS**

**Bulletin
P20, P20EM, POS**

0mm Solid Base AFO



The 0mm bases are finished with RAL 7035 textured light gray polyester powder paint (except stainless steel). EMC bases are finished with paint over plated surfaces.



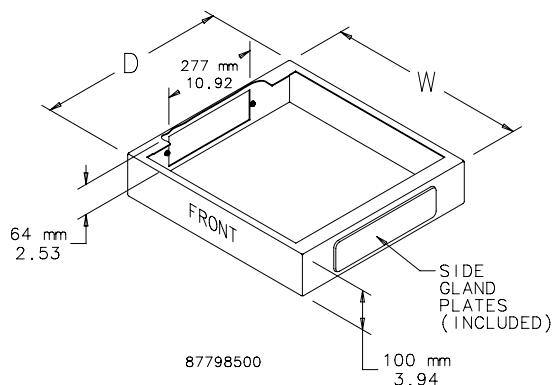
Catalog Number	Type	Fits Frame B x C (mm)	Gauge	W (mm)	W (in.)	D (mm)	D (in.)
PB045	Steel	400 x 500	16	353	13.90	453	17.83
PB046	Steel	400 x 600	16	353	13.90	592	23.31
PB064	Steel	600 x 400	16	592	23.31	353	13.90
PB064HF2	EMC	600 x 400	16	592	23.31	353	13.90
PB065	Steel	600 x 500	16	592	23.31	453	17.83
PB065HF2	EMC	600 x 500	16	592	23.31	453	17.83
PB066	Steel	600 x 600	16	592	23.31	553	21.77
PB066HF2	EMC	600 x 600	16	592	23.31	553	21.77
PB066SS	Stainless Steel	600 x 600	16	592	23.31	553	21.77
PB068	Steel	600 x 800	16	592	23.31	753	29.65
PB068HF2	EMC	600 x 800	16	592	23.31	753	29.65
PB068SS	Stainless Steel	600 x 800	16	592	23.31	753	29.65
PB076	Steel	700 x 600	16	692	27.24	553	21.77
PB076HF2	EMC	700 x 600	16	692	27.24	553	21.77
PB078	Steel	700 x 800	16	692	27.24	753	29.65
PB078HF2	EMC	700 x 800	16	692	27.24	753	29.65
PB079	Steel	700 x 900	14	692	27.24	853	33.58
PB079HF2	EMC	700 x 900	14	692	27.24	853	33.58
PB084	Steel	800 x 400	16	792	31.18	353	13.90
PB084HF2	EMC	800 x 400	16	792	31.18	353	13.90
PB085	Steel	800 x 500	16	792	31.18	453	17.83
PB085HF2	EMC	800 x 500	16	792	31.18	453	17.83
PB086	Steel	800 x 600	16	792	31.18	553	21.77
PB086HF2	EMC	800 x 600	16	792	31.18	553	21.77
PB086SS	Stainless Steel	800 x 600	16	792	31.18	553	21.77
PB088	Steel	800 x 800	14	792	31.18	753	29.65
PB088HF2	EMC	800 x 800	14	792	31.18	753	29.65
PB088SS	Stainless Steel	800 x 800	14	792	31.18	753	29.65
PB089	Steel	800 x 900	14	792	31.18	853	33.58
PB089HF2	EMC	800 x 900	14	792	31.18	853	33.58
PB0105	Steel	1000 x 500	16	992	39.06	453	17.83
PB0105HF2	EMC	1000 x 500	16	992	39.06	453	17.83
PB0106	Steel	1000 x 600	16	992	39.06	553	21.77
PB0106HF2	EMC	1000 x 600	16	992	39.06	553	21.77
PB0106SS	Stainless Steel	1000 x 600	16	992	39.06	553	21.77
PB0108	Steel	1000 x 800	14	992	39.06	753	29.65
PB0108HF2	EMC	1000 x 800	14	992	39.06	753	29.65
PB0108SS	Stainless Steel	1000 x 800	14	992	39.06	753	29.65
PB0124	Steel	1200 x 400	16	1192	46.93	353	13.90
PB0125	Steel	1200 x 500	16	1192	46.93	453	17.83
PB0126	Steel	1200 x 600	16	1192	46.93	553	21.77
PB0126SS	Stainless Steel	1200 x 600	16	1192	46.93	553	21.77
PB0128	Steel	1200 x 800	14	1192	46.93	753	29.65
PB0128SS	Stainless Steel	1200 x 800	14	1192	46.93	753	29.65
PB0165	Steel	1600 x 500	16	1592	62.68	453	17.83
PB0166	Steel	1600 x 600	16	1592	62.68	553	21.77
PB0168	Steel	1600 x 800	14	1592	62.68	753	29.65

PROLINE® Tops and Bases

100mm Solid Base **A-T-O**



The 100mm base is finished with RAL 9005 textured black polyester powder paint (except stainless steel). EMC bases are finished with paint over plated surfaces. Side gland plates and drill points for locating optional casters are included.

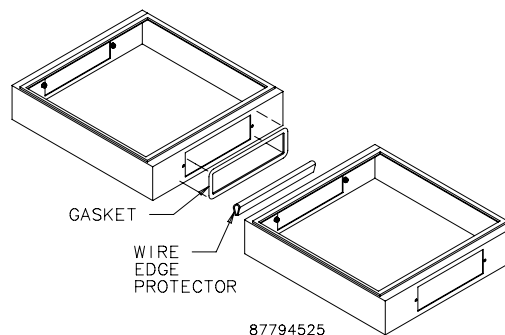


Catalog Number	Type	Fits Frame B x C (mm)	Gauge	W (mm)	W (in.)	D (mm)	D (in.)
PB145	Steel	400 x 500	16	353	13.90	453	17.83
PB146	Steel	400 x 600	16	353	13.90	592	23.31
PB164	Steel	600 x 400	16	599	23.58	359	14.13
PB164HF	EMC	600 x 400	16	599	23.58	359	14.13
PB165	Steel	600 x 500	16	599	23.58	459	18.07
PB165HF	EMC	600 x 500	16	599	23.58	459	18.07
PB166	Steel	600 x 600	16	599	23.58	559	22.01
PB166HF	EMC	600 x 600	16	599	23.58	559	22.01
PB166SS	Stainless Steel	600 x 600	16	599	23.58	559	22.01
PB168	Steel	600 x 800	16	599	23.58	759	29.88
PB168HF	EMC	600 x 800	16	599	23.58	759	29.88
PB168SS	Stainless Steel	600 x 800	16	599	23.58	759	29.88
PB176	Steel	700 x 600	16	699	27.52	559	22.01
PB176HF	EMC	700 x 600	16	699	27.52	559	22.01
PB178	Steel	700 x 800	16	699	27.52	759	29.88
PB178HF	EMC	700 x 800	16	699	27.52	759	29.88
PB179	Steel	700 x 900	14	699	27.52	859	33.82
PB179HF	EMC	700 x 900	14	699	27.52	859	33.82
PB184	Steel	800 x 400	16	799	31.46	359	14.13
PB184HF	EMC	800 x 400	16	799	31.46	359	14.13
PB185	Steel	800 x 500	16	799	31.46	459	18.07
PB185HF	EMC	800 x 500	16	799	31.46	459	18.07
PB186	Steel	800 x 600	16	799	31.46	559	22.01
PB186HF	EMC	800 x 600	16	799	31.46	559	22.01
PB186SS	Stainless Steel	800 x 600	16	799	31.46	559	22.01
PB188	Steel	800 x 800	14	799	31.46	759	29.88
PB188HF	EMC	800 x 800	14	799	31.46	759	29.88
PB188SS	Stainless Steel	800 x 800	14	799	31.46	759	29.88
PB189	Steel	800 x 900	14	799	31.46	859	33.82
PB189HF	EMC	800 x 900	14	799	31.46	859	33.82
PB1105	Steel	1000 x 500	16	999	39.33	459	18.07
PB1105HF	EMC	1000 x 500	16	999	39.33	459	18.07
PB1106	Steel	1000 x 600	16	999	39.33	559	22.01
PB1106HF	EMC	1000 x 600	16	999	39.33	559	22.01
PB1106SS	Stainless Steel	1000 x 600	16	999	39.33	559	22.01
PB1108	Steel	1000 x 800	14	999	39.33	759	29.88
PB1108HF	EMC	1000 x 800	14	999	39.33	759	29.88
PB1108SS	Stainless Steel	1000 x 800	14	999	39.33	759	29.88
PB1124	Steel	1200 x 400	16	1199	47.20	359	14.13
PB1125	Steel	1200 x 500	16	1199	47.20	459	18.07
PB1126	Steel	1200 x 600	16	1199	47.20	559	22.01
PB1126SS	Stainless Steel	1200 x 600	16	1199	47.20	559	22.01
PB1128	Steel	1200 x 800	14	1199	47.20	759	29.88
PB1128SS	Stainless Steel	1200 x 800	14	1199	47.20	759	29.88
PB1165	Steel	1600 x 500	16	1599	62.95	459	18.07
PB1166	Steel	1600 x 600	16	1599	62.95	559	22.01
PB1168	Steel	1600 x 800	14	1599	62.95	759	29.88

100mm Solid Base Joining, Side-to-Side

Joining provides a seal between the gland plate openings on adjacent 100mm solid bases and is used in combination with either of the side-to-side frame joining kits. A nylon wire edge protector (see drawing) prevents wear and abrasion of wires and cables.

Catalog Number	Description
PJ2FB	Solid Base Joining, 100mm Solid Bases, side-to-side
PJ2FBHF2	EMC Solid Base Joining, 100mm Solid Bases, side-to-side



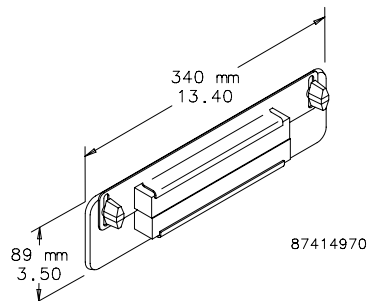
Cable Entry Gland Plate



Fits all standard PROLINE 100mm solid base gland openings. Can be used in place of standard solid gland plates furnished with 100mm solid base. Adjustable opening for cable entry is foam-lined to maintain a dusttight seal. Cable entry plate is 14 gauge steel and is finished with RAL 9005 textured black polyester powder paint.

Catalog Number	Description
PCEGP	

NOTE: This component is rated UL Type 1. Installing this component on an enclosure brings the enclosure rating to UL Type 1.

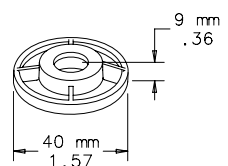


Frame Feet A-T-O



Four die-cast feet for use on the bottom of PROLINE frames that raise the frame 9.2mm.

Catalog Number	Description
PFFM12	Frame Feet



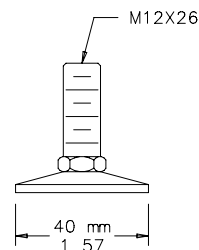
Levelers A-T-O



Four post-type levelers allow adjustment for uneven floors. Levelers can be attached to the bottom of a frame or to a 0mm solid base. Levelers are plated and the leveler base is capped with plastic to provide resistance to marring. Adjustable for 17mm

to 35mm height. Ball and socket construction. Four levelers will support a maximum of 880 pounds (399.2 kg).

Catalog Number	Description
PLM12	Post-type Levelers



PROLINE® Tops and Bases

100mm Plinth Base

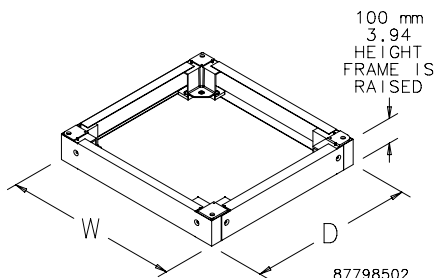


Plinth bases install under an enclosure to provide space for cables to enter from below. A plinth base consists of four corner supports connected to four access panels.

The corner supports are cast aluminum. The access panels are 16 gauge steel and attach to the corner supports with screws.

Plinth bases have are finished with RAL 9005 black textured polyester powder paint and include all necessary mounting hardware.

NOTE: Order a gland plate system to provide Type 12 protection when using a plinth base.



200mm Plinth Base **A-T-O**

Plinth bases install under an enclosure to provide space for cables to enter from below. A plinth base consists of eight corner supports connected to four access panels.

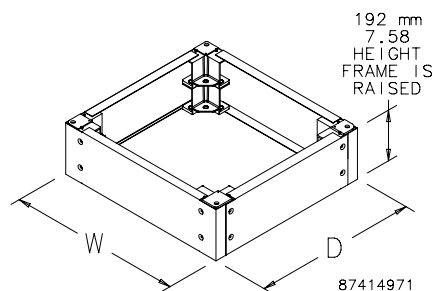
The corner supports are cast aluminum. The access panels are 16 gauge steel and attach to the corner supports with screws.

Plinth bases are finished with RAL 9005 black textured polyester powder paint and include all necessary mounting hardware.

NOTES:

Order a gland plate system to provide Type 12 protection when using a plinth base.

200mm plinth bases require two sets of covers.



Catalog Number	Fits Frame B x C (mm)	W (mm)	W (in.)	D (mm)	D (in.)
PPB145	400 x 500	399	15.71	459	18.07
PPB146	400 x 600	399	15.71	559	22.01
PPB164	600 x 400	599	23.58	359	14.13
PPB165	600 x 500	599	23.58	459	18.07
PPB166	600 x 600	599	23.58	559	22.01
PPB168	600 x 800	599	23.58	759	29.88
PPB176	700 x 600	699	27.52	559	22.01
PPB178	700 x 800	699	27.52	759	29.88
PPB179	700 x 900	699	27.52	859	33.82
PPB184	800 x 400	799	31.46	359	14.13
PPB185	800 x 500	799	31.46	459	18.07
PPB186	800 x 600	799	31.46	559	22.01
PPB188	800 x 800	799	31.46	759	29.88
PPB189	800 x 900	799	31.46	859	33.82
PPB1105	1000 x 500	999	39.33	459	18.07
PPB1106	1000 x 600	999	39.33	559	22.01
PPB1108	1000 x 800	999	39.33	759	29.88
PPB1124	1200 x 400	1199	47.20	359	14.13
PPB1125	1200 x 500	1199	47.20	459	18.07
PPB1126	1200 x 600	1199	47.20	559	22.01
PPB1128	1200 x 800	1199	47.20	759	29.88
PPB1165	1600 x 500	1599	62.95	459	18.07
PPB1166	1600 x 600	1599	62.95	559	22.01
PPB1168	1600 x 800	1599	62.95	759	29.88

Catalog Number	Fits Frame B x C (mm)	W (mm)	W (in.)	D (mm)	D (in.)
PPB245	400 x 500	399	15.71	459	18.07
PPB246	400 x 600	399	15.71	559	22.01
PPB264	600 x 400	599	23.58	359	14.13
PPB265	600 x 500	599	23.58	459	18.07
PPB266	600 x 600	599	23.58	559	22.01
PPB268	600 x 800	599	23.58	759	29.88
PPB276	700 x 600	699	27.52	559	22.01
PPB278	700 x 800	699	27.52	759	29.88
PPB279	700 x 900	699	27.52	859	33.82
PPB284	800 x 400	799	31.46	359	14.13
PPB285	800 x 500	799	31.46	459	18.07
PPB286	800 x 600	799	31.46	559	22.01
PPB288	800 x 800	799	31.46	759	29.88
PPB289	800 x 900	799	31.46	859	33.82
PPB2105	1000 x 500	999	39.33	459	18.07
PPB2106	1000 x 600	999	39.33	559	22.01
PPB2108	1000 x 800	999	39.33	759	29.88
PPB2124	1200 x 400	1199	47.20	359	14.13
PPB2125	1200 x 500	1199	47.20	459	18.07
PPB2126	1200 x 600	1199	47.20	559	22.01
PPB2128	1200 x 800	1199	47.20	759	29.88
PPB2165	1600 x 500	1599	62.95	459	18.07
PPB2166	1600 x 600	1599	62.95	559	22.01
PPB2168	1600 x 800	1599	62.95	759	29.88

PROLINE® Tops and Bases

Rev. A 12/07

Vented Plinth Base Covers



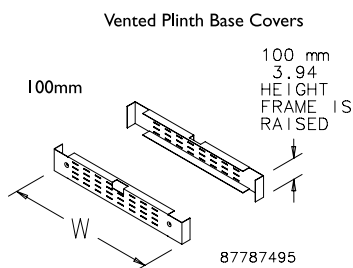
Vented plinth base covers install in the front and rear openings of a standard plinth base in place of solid covers. Vented covers allow air to circulate into the enclosure.

Vented plinth base covers are available in 100mm and 200mm heights. These covers are finished with RAL 9005 black polyester powder paint and include all necessary mounting hardware.

NOTES:

A standard plinth base must be ordered in combination with vented plinth base covers to form a vented plinth base. If using a gland plate with the vented plinth base, order a vented gland plate to provide air circulation through the bottom of the enclosure.

200mm plinth bases require two sets of covers.

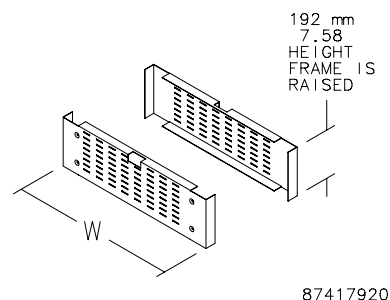


100mm Vented Plinth Base Cover

Catalog Number	Fits Frame Type	Fits Frame (B Dimension) (mm)	W (mm)	W (in.)
PPBCV1600	Single-Bay	600	599	23.58
PPBCV1700	Single-Bay	700	699	27.52
PPBCV1800	Single-Bay	800	799	31.46
PPBCV11000	Single-Bay	1000	999	39.33
PPBCV11200	Double-Bay	1200	1199	47.20
PPBCV11600	Double-Bay	1600	1599	62.95

200mm Vented Plinth Base Cover

Catalog Number	Fits Frame Type	Fits Frame (B Dimension) (mm)	W (mm)	W (in.)
PPBCV2600	Single-Bay	600	599	23.58
PPBCV2700	Single-Bay	700	699	27.52
PPBCV2800	Single-Bay	800	799	31.46
PPBCV21000	Single-Bay	1000	999	39.33
PPBCV21200	Double-Bay	1200	1199	47.20
PPBCV21600	Double-Bay	1600	1599	62.95



Plinth Base Stacking Kit



Plinth bases are stackable with a maximum recommendation of 400mm high. Kit consists of eight bolts, nuts, and eight each of two types of washers used to join plinth bases.

Catalog Number	Description
PPBSK	Plinth Base Stacking Kit

Replacement Filter Kit for Filtered Gland Plate

Kit includes 12 disposable two-ply polyester replacement filters for filtered gland plates. Two filters are required for double-bay frames.

Catalog Number	Filter Size (mm)	Filter Size (in.)	Fits Frame B x C (mm)
PFK4012	406 x 127	16 x 5	600 x 400
PFK4020	406 x 203	16 x 8	600 x 500, 600 x 600, 600 x 800, 1200 x 500, 1200 x 600, 1200 x 800
PFK5030	508 x 305	20 x 12	700 x 600, 700 x 800, 700 x 900
PFK6020	609 x 203	24 x 8	800 x 500, 800 x 600, 800 x 800, 800 x 900, 1600 x 500, 1600 x 600, 1600 x 800
PFK8120	813 x 203	32 x 8	1000 x 500, 1000 x 600, 1000 x 800

Gland Plates **AFTO**



Adjustable gland plates are used to seal the bottom of the PROLINE frame. Solid, vented, and shielded gland plates are available. All styles include covers that are gasketed to maintain Type 12 enclosure requirements. Gland plates are 16 gauge steel and are finished with RAL 7035 textured light gray polyester powder paint. EMC gland plates are finished with paint over plated surfaces. All installation hardware is included.

NOTE: Solid Gland Plate and EMC Gland Plate are accessories to 100mm Solid Base, 100mm/200mm Plinth Base, Mobile Base, and Transportation Base. These gland plates can be used without a base if casters, levelers, or frame feet are installed. EMC gland plate maintains a Type 1 rating.

Solid Gland Plate

The solid gland plate can be used with all PROLINE subpanels or rack angles. The gland plate consists of a base mounting surface and two adjustable foam-gasketed plates that permit cable entry. The plate can be rotated 180 degrees for front or rear cable entry.

Filtered (Vented) Gland Plate

Filtered gland plate is used only in conjunction with vented plinth base covers. The plate can be used with all PROLINE subpanels or rack angles. It consists of a mounting base, three adjustable plates for cable entry, a filter, and filter retaining rails. Manufactured from 16 gauge steel and finished with RAL 7035 textured light gray polyester powder paint. Replacement filters available.

EMC Gland Plate

This gland plate can be used with subpanels or rack angles. Gland plate consists of a base mounting surface and two adjustable gland plates (both have a conductive coating) with conductive fabric-over-foam gasket for cable entry.

Catalog Number	Type	Fits Frame Size, Width (mm)	Fits Frame Size, Depth (mm)
PGP64	Solid	600	400
PGP64AHF	EMC	600	400
PGPV64	Filtered	600	400
PGP65	Solid	600	500
PGP65AHF	EMC	600	500
PGPV65	Filtered	600	500
PGP66	Solid	600	600
PGP66AHF	EMC	600	600
PGPV66	Filtered	600	600
PGP68	Solid	600	800
PGP68AHF	EMC	600	800
PGPV68	Filtered	600	800
PGP76	Solid	700	600
PGP76AHF	EMC	700	600
PGPV76	Filtered	700	600
PGP78	Solid	700	800
PGP78AHF	EMC	700	800
PGPV78	Filtered	700	800
PGP79	Solid	700	900
PGP79AHF	EMC	700	900
PGPV79	Filtered	700	900
PGP84	Solid	800	400
PGP84AHF	EMC	800	400
PGP85	Solid	800	500
PGP85AHF	EMC	800	500
PGPV85	Filtered	800	500
PGP86	Solid	800	600
PGP86AHF	EMC	800	600
PGPV86	Filtered	800	600
PGP88	Solid	800	800
PGP88AHF	EMC	800	800
PGPV88	Filtered	800	800
PGP89	Solid	800	900
PGP89AHF	EMC	800	900
PGPV89	Filtered	800	900
PGP105	Solid	1000	500
PGP105AHF	EMC	1000	500
PGPV105	Filtered	1000	500
PGP106	Solid	1000	600
PGP106AHF	EMC	1000	600
PGPV106	Filtered	1000	600
PGP108	Solid	1000	800
PGP108AHF	EMC	1000	800
PGPV108	Filtered	1000	800
PGP124	Solid	1200	400
PGP125	Solid	1200	500
PGPV125	Filtered	1200	500
PGP126	Solid	1200	600
PGPV126	Filtered	1200	600
PGP128	Solid	1200	800
PGPV128	Filtered	1200	800
PGP165	Solid	1600	500
PGPV165	Filtered	1600	500
PGP166	Solid	1600	600
PGPV166	Filtered	1600	600
PGP168	Solid	1600	800
PGPV168	Filtered	1600	800
PGP185	Solid	1800	500
PGP186	Solid	1800	600

PROLINE® Tops and Bases

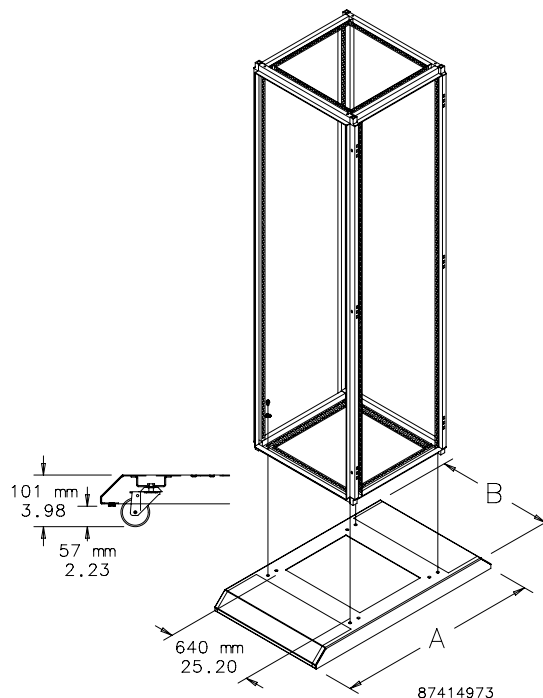
Mobile Base **A-T-O**



Mobile bases fit 600 and 800mm wide frames. They extend beyond the front and rear of the cabinets to provide enhanced stability. Constructed of steel finished in RAL 9005 textured black polyester powder paint. The base fastens to the underside of the frame and provides integral mounting of furnished casters. The front and rear top

surfaces of the base are trimmed with black rubber mats 3mm thick. Four non-locking casters provide a load-bearing capacity of 1000 lbs (499.0 kg). Casters and mounting hardware are furnished.

Catalog Number	A x B mm (in.)	Fits Frame B x C (mm)
PMB66	1039 x 600 (40.91 x 23.62)	600 x 500 and 600 x 600
PMB69	1339 x 600 (52.72 x 23.62)	600 x 800 and 600 x 900
PMB86	1039 x 800 (40.91 x 31.50)	800 x 500 and 800 x 600
PMB89	1339 x 800 (52.72 x 31.50)	800 x 800 and 800 x 900



Mobile Base Leveling Kit **A-T-O**



Levelers mount in the outer corners of the mobile base, providing load-bearing capacity of 1000 lbs (453.6 kg).

Catalog Number	Description	Use With
PMBLM12	Mobile Base Leveling Kit	Mobile Base

PROLINE® Tops and Bases

**PROLINE EXTERNAL
COMPONENTS**

**Bulletin
P20, P20EM, POS**

PROLINE Transportation Base



PROLINE transportation bases provide safe transportation for PROLINE frames, from a single bay up to a maximum of 3000mm (118.11 inches) in a multiple-bay system.

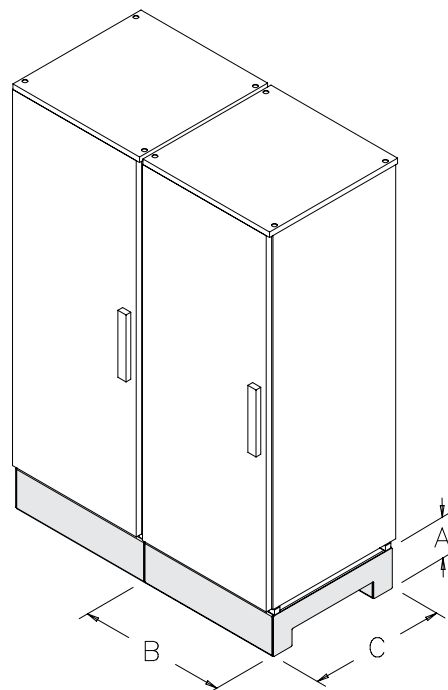
Transportation bases can be configured in a variety of combinations. Constructed

from 10 gauge steel and finished with RAL 9005 textured black polyester powder paint. Unique design allows ROLL-A-LIFT™ lifting access from each end. A removable glad plate allows wire access between bases.

ROLL-A-LIFT is a trademark of Skarnes Inc.

Catalog Number	A x B x C (mm)	A x B x C (in.)
PTB166	167 x 600 x 600	6.57 x 23.62 x 23.62
PTB168	167 x 600 x 800	6.57 x 23.62 x 31.50
PTB176	167 x 700 x 600	6.57 x 27.56 x 23.62
PTB178	167 x 700 x 800	6.57 x 27.56 x 31.50
PTB186	167 x 800 x 600	6.57 x 31.5 x 23.62
PTB188	167 x 800 x 800	6.57 x 31.5 x 31.5 0
PTB1106	167 x 1000 x 600	6.57 x 39.37 x 23.62
PTB1108	167 x 1000 x 800	6.57 x 39.37 x 31.50
PTB1126	167 x 1200 x 600	6.57 x 47.24 x 23.62
PTB1128	167 x 1200 x 800	6.57 x 47.24 x 31.5 0

**Modular Enclosure
Systems**



87784410

PROLINE Caster Kit **A-T-O**



A set of four casters (two locking, two non-locking) that mount directly to the bottom of a PROLINE frame, 0mm, or 100mm solid base or a console. Do not use on plinth bases. Casters elevate the enclosure 110mm (4.33 in.) when installed. Caster frames are plated steel with

ball-bearing pivots. Caster wheels are made of a black polyamide material. Kit includes M12 mounting hardware. A set of four casters supports a maximum load of 1000 lbs (453.6 kg). Order separately.

Catalog Number	Description
PC1M12	Set of 4 Casters

PROLINE® Internal Components Product Overview



We designed PROLINE internal components to provide an extensive range of mounting options. Whether your application calls for rack mounting, panel mounting, or grid system mounting, a combination of PROLINE components can deliver the right solution. Plus, PROLINE internal mounting systems use standard fasteners for simple installation.

PROLINE Mounting Flexibility

Panel Mounting

PROLINE's complete range of panel mounting options make optimum use of internal enclosure space.

- A wider door opening offers more usable space for component mounting. Subpanels can be mounted front-to-back in 25mm increments.
- Subpanels installed in the rear of joined enclosures provide a flush surface for component mounting.
- Side-mounted panels, partial-height panels, and swing out panels offer additional flexibility.



Rack Mounting

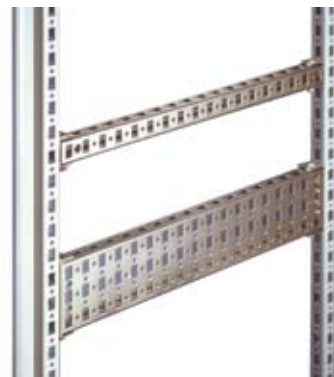
If your application calls for 19-, 23-, or 24-inch mounted devices, PROLINE has a solution.

- 19-, 23-, or 24-inch rack-mount accessories include shelves, drawers, and panels.
- Adapter brackets allow rack angles to be used in wider cabinets.
- Plated rack angles offer excellent conductivity for EMC-shielded applications.



Grid System Mounting

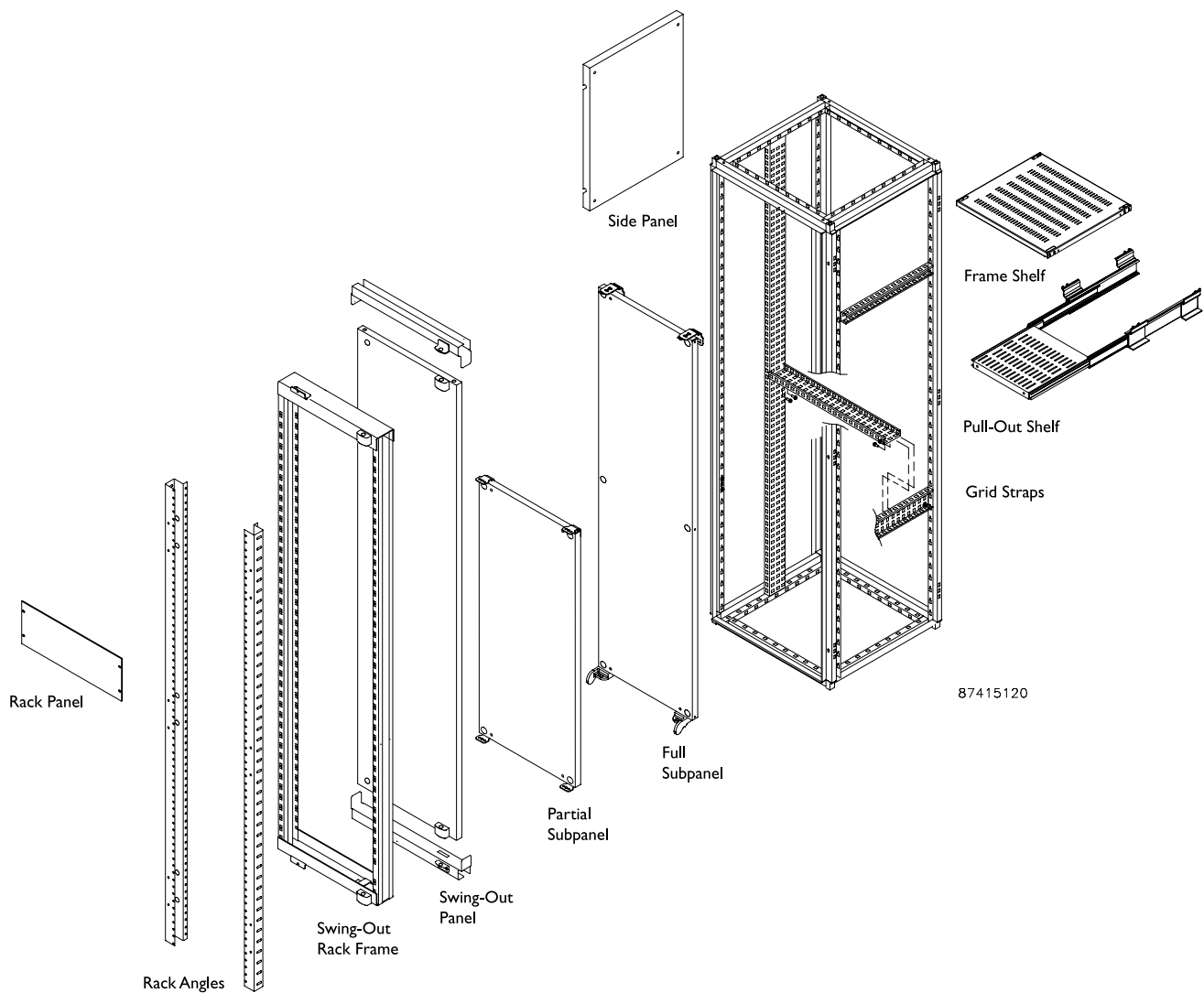
A variety of grid mounting options lets you mount components directly on the PROLINE frame. Vertical and horizontal grid straps extend the internal framework while standard fasteners simplify installation and allow multi-source access to fasteners.



PROLINE® Internal Components Product Overview

**PROLINE INTERNAL
COMPONENTS**
Bulletin
VARIOUS

Modular Enclosure
Systems



PROLINE® Panel and Grid Mounting System

PROLINE INTERNAL COMPONENTS

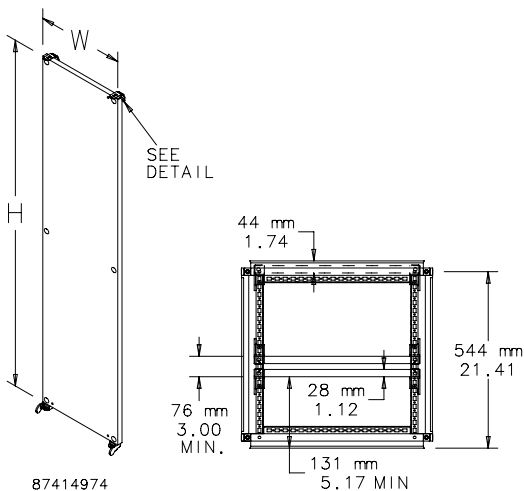
**Bulletin
P20, P9, DPY**

Full Subpanel ATO



PROLINE subpanels are designed to provide maximum panel depth, panel size, and ease of installation. Full subpanels slide into the frame on nylon glide blocks (patent number 5,292,189), which support the entire weight of the subpanel.

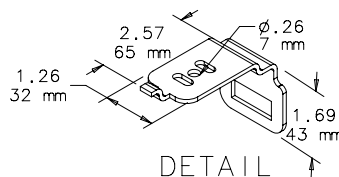
- All necessary mounting hardware is included
- Subpanels are 12 gauge (2.5mm) steel (subpanels for double-bay enclosures 1400mm tall or taller are 10 gauge steel), have flanges on all sides, and are painted white
- Conductive subpanels are 12 gauge galvanized steel
- Subpanels can be mounted at nearly any depth in 25mm increments
- Panels installed in the rearmost position in joined (ganged) enclosures provide a continuous mounting surface without requiring joining panels
- Mounting hardware attaches to the top or to the sides of the frame
- Additional mounting hardware (catalog number PMKPF) is available for applications requiring more support in the center or bottom of the subpanel. See Detail in the dimension drawing. This is required if the enclosure will be tipped in transit, or if the panel is not located at the bottom of the enclosure on the glide blocks. In addition, 3-row grid straps are required for installation unless the panel is in the rearmost position.



87414974

Catalog Number	Material	H (mm)	H (in.)	W (mm)	W (in.)
PPF76	Steel	585	23.03	530	20.87
PPF76G	Conductive	585	23.03	530	20.87
PPF78	Steel	585	23.03	730	28.74
PPF78G	Conductive	585	23.03	730	28.74
PPF712	Steel	585	23.03	1130	44.49
PPF712G	Conductive	585	23.03	1130	44.49
PPF146	Steel	1285	50.59	530	20.87
PPF146G	Conductive	1285	50.59	530	20.87
PPF148	Steel	1285	50.59	730	28.74
PPF148G	Conductive	1285	50.59	730	28.74
PPF1412	Steel	1285	50.59	1130	44.49
PPF1412G	Conductive	1285	50.59	1130	44.49
PPF166	Steel	1485	58.46	530	20.87
PPF166G	Conductive	1485	58.46	530	20.87
PPF168	Steel	1485	58.46	730	28.74
PPF168G	Conductive	1485	58.46	730	28.74
PPF1612	Steel	1485	58.46	1130	44.49
PPF1612G	Conductive	1485	58.46	1130	44.49
PPF186	Steel	1685	66.34	530	20.87
PPF186G	Conductive	1685	66.34	530	20.87
PPF188	Steel	1685	66.34	730	28.74
PPF188G	Conductive	1685	66.34	730	28.74
PPF1810	Steel	1685	66.34	930	36.61
PPF1810G	Conductive	1685	66.34	930	36.61
PPF1812	Steel	1685	66.34	1130	44.49
PPF1812G	Conductive	1685	66.34	1130	44.49
PPF1816	Steel	1685	66.34	1530	60.24
PPF1816G	Conductive	1685	66.34	1530	60.24
PPF204	Steel	1885	74.21	330	13.00
PPF204G	Conductive	1885	74.21	330	13.00
PPF206	Steel	1885	74.21	530	20.87
PPF206G	Conductive	1885	74.21	530	20.87
PPF207	Steel	1885	74.21	630	24.80
PPF207G	Conductive	1885	74.21	630	24.80
PPF208	Steel	1885	74.21	730	28.74
PPF208G	Conductive	1885	74.21	730	28.74
PPF2010	Steel	1885	74.21	930	36.61
PPF2010G	Conductive	1885	74.21	930	36.61
PPF2012	Steel	1885	74.21	1130	44.49
PPF2012G	Conductive	1885	74.21	1130	44.49
PPF2016	Steel	1885	74.21	1530	60.24
PPF2016G	Conductive	1885	74.21	1530	60.24
PPF226	Steel	2085	82.09	530	20.87
PPF226G	Conductive	2085	82.09	530	20.87
PPF227	Steel	2085	82.09	630	24.80
PPF227G	Conductive	2085	82.09	630	24.80
PPF228	Steel	2085	82.09	730	28.74
PPF228G	Conductive	2085	82.09	730	28.74
PPF2210	Steel	2085	82.09	930	36.61
PPF2210G	Conductive	2085	82.09	930	36.61
PPF2212	Steel	2085	82.09	1130	44.49
PPF2212G	Conductive	2085	82.09	1130	44.49

Catalog Number	Description	Qty.
PMKPF	Additional Side Mounting Hardware (see Detail in drawing)	2



DETAIL

PROLINE® Panel and Grid Mounting System

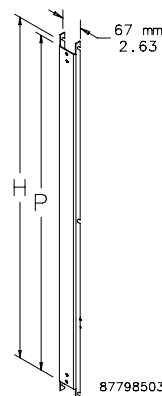
PROLINE INTERNAL COMPONENTS

**Bulletin
P20, P9, DPY**

Joining Subpanel A-T-O

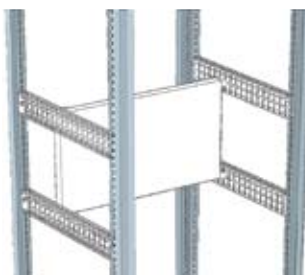


Provides a continuous panel surface in multiple bay enclosures. The joining subpanel is inserted between full subpanels of equal height. It can be installed from front or rear. Holes for grounding and mounting hardware are provided. Finish is white. Conductive joining subpanels are unpainted galvanized steel.

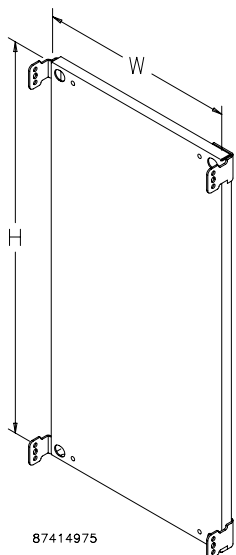


Catalog Number	Material	H (mm)	H (in.)	P (mm)	P (in.)	Fits between full subpanels
PJP7	Steel	585	23.03	547.8	21.57	PPF76, PPF78, PPF712
PJP7G	Conductive	585	23.03	547.8	21.57	PPF76, PPF78, PPF712
PJP14	Steel	1285	50.59	1247.8	49.13	PPF146, PPF148, PPF1412
PJP14G	Conductive	1285	50.59	1247.8	49.13	PPF146, PPF148, PPF1412
PJP16	Steel	1485	58.46	1447.8	57.00	PPF166, PPF167, PPF168, PPF1612
PJP16G	Conductive	1485	58.46	1447.8	57.00	PPF166, PPF167, PPF168, PPF1612
PJP18	Steel	1685	66.34	1647.8	64.87	PPF186, PPF187, PPF188, PPF1810, PPF1812, PPF1816
PJP18G	Conductive	1685	66.34	1647.8	64.87	PPF186, PPF187, PPF188, PPF1810, PPF1812, PPF1816
PJP20	Steel	1885	74.21	1847.8	72.75	PPF206, PPF207, PPF208, PPF2010, PPF2012, PPF2016
PJP20G	Conductive	1885	74.21	1847.8	72.75	PPF206, PPF207, PPF208, PPF2010, PPF2012, PPF2016
PJP22	Steel	2085	82.09	2047.8	80.62	PPF226, PPF227, PPF228, PPF2210, PPF2212, PPF2216
PJP22G	Conductive	2085	82.09	2047.8	80.62	PPF226, PPF227, PPF228, PPF2210, PPF2212, PPF2216

Partial Subpanel A-T-O



Partial subpanels are 12 gauge steel, have flanges on four sides, and are painted white. Panels can be positioned vertically in 25mm increments and also can be positioned at any depth in 25mm increments using the optional grid straps. Conductive subpanels are unpainted galvanized steel. All necessary mounting hardware is included.



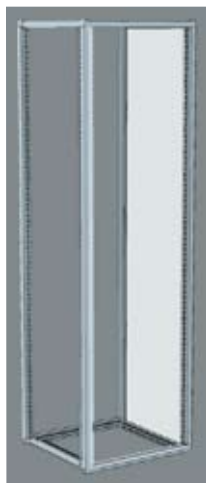
Catalog Number	Material	H (mm)	H (in.)	W (mm)	W (in.)	Fits Frame
PPP46	Steel	360	14.17	530	20.87	700mm or taller
PPP46G	Conductive	360	14.17	530	20.87	700mm or taller
PPP47	Steel	360	14.17	630	24.80	700mm or taller
PPP47G	Conductive	360	14.17	630	24.80	700mm or taller
PPP48	Steel	360	14.17	730	28.74	700mm or taller
PPP48G	Conductive	360	14.17	730	28.74	700mm or taller
PPP412	Steel	360	14.17	1130	44.49	700mm or taller
PPP412G	Conductive	360	14.17	1130	44.49	700mm or taller
PPP86	Steel	735	28.94	530	20.87	1400mm or taller
PPP86G	Conductive	735	28.94	530	20.87	1400mm or taller
PPP87	Steel	735	28.94	630	24.80	1400mm or taller
PPP87G	Conductive	735	28.94	630	24.80	1400mm or taller
PPP88	Steel	735	28.94	730	28.74	1400mm or taller
PPP88G	Conductive	735	28.94	730	28.74	1400mm or taller
PPP810	Steel	735	28.94	930	36.61	1400mm or taller
PPP810G	Conductive	735	28.94	930	36.61	1400mm or taller
PPP96	Steel	835	32.87	530	20.87	1400mm or taller
PPP96G	Conductive	835	32.87	530	20.87	1400mm or taller
PPP97	Steel	835	32.87	630	24.80	1400mm or taller
PPP97G	Conductive	835	32.87	630	24.80	1400mm or taller
PPP98	Steel	835	32.87	730	28.74	1400mm or taller
PPP98G	Conductive	835	32.87	730	28.74	1400mm or taller
PPP910	Steel	835	32.87	930	36.61	1400mm or taller
PPP910G	Conductive	835	32.87	930	36.61	1400mm or taller
PPP106	Steel	935	36.81	530	20.87	1400mm or taller
PPP106G	Conductive	935	36.81	530	20.87	1400mm or taller
PPP108	Steel	935	36.81	730	28.74	1400mm or taller
PPP108G	Conductive	935	36.81	730	28.74	1400mm or taller
PPP116	Steel	1035	40.75	530	20.87	1400mm or taller
PPP116G	Conductive	1035	40.75	530	20.87	1400mm or taller

PROLINE® Panel and Grid Mounting System

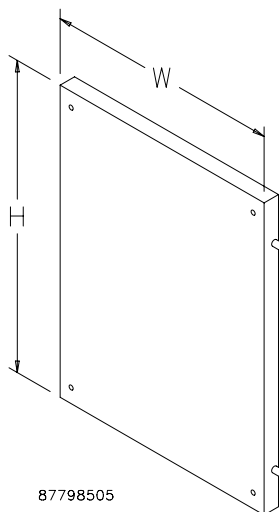
PROLINE INTERNAL COMPONENTS

**Bulletin
P20, P9, DPY**

Side-Mounted Subpanel AFO



Side-mounted panels can be installed on the interior sides of frames. The panel and all the hardware needed to attach the subpanels to a frame are included. Hardware is plated. Panels are 12 gauge steel with a white finish. Conductive panels are unpainted galvanized steel.



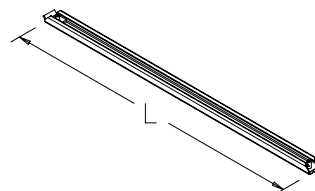
Catalog Number	Material	H (mm)	H (in.)	W (mm)	W (in.)
PPFSM76	Steel	608	23.94	447	17.60
PPFSM76G	Conductive	608	23.94	447	17.60
PPFSM145	Steel	1308	51.50	347	13.66
PPFSM145G	Conductive	1308	51.50	347	13.66
PPFSM146	Steel	1308	51.50	447	17.60
PPFSM146G	Conductive	1308	51.50	447	17.60
PPFSM148	Steel	1308	51.50	647	25.47
PPFSM148G	Conductive	1308	51.50	647	25.47
PPFSM164	Steel	1508	59.37	247	9.72
PPFSM164G	Conductive	1508	59.37	247	9.72
PPFSM165	Steel	1508	59.37	347	13.66
PPFSM165G	Conductive	1508	59.37	347	13.66
PPFSM166	Steel	1508	59.37	447	17.60
PPFSM166G	Conductive	1508	59.37	447	17.60
PPFSM168	Steel	1508	59.37	647	25.47
PPFSM168G	Conductive	1508	59.37	647	25.47
PPFSM169	Steel	1508	59.37	747	29.41
PPFSM169G	Conductive	1508	59.37	747	29.41
PPFSM184	Steel	1708	67.24	247	9.72
PPFSM184G	Conductive	1708	67.24	247	9.72
PPFSM185	Steel	1708	67.24	347	13.66
PPFSM185G	Conductive	1708	67.24	347	13.66
PPFSM186	Steel	1708	67.24	447	17.60
PPFSM186G	Conductive	1708	67.24	447	17.60
PPFSM188	Steel	1708	67.24	647	25.47
PPFSM188G	Conductive	1708	67.24	647	25.47
PPFSM189	Steel	1708	67.24	747	29.41
PPFSM189G	Conductive	1708	67.24	747	29.41
PPFSM204	Steel	1908	75.12	247	9.72
PPFSM204G	Conductive	1908	75.12	247	9.72
PPFSM205	Steel	1908	75.12	347	13.66
PPFSM205G	Conductive	1908	75.12	347	13.66
PPFSM206	Steel	1908	75.12	447	17.60
PPFSM206G	Conductive	1908	75.12	447	17.60
PPFSM208	Steel	1908	75.12	647	25.47
PPFSM208G	Conductive	1908	75.12	647	25.47
PPFSM209	Steel	1908	75.12	747	29.41
PPFSM209G	Conductive	1908	75.12	747	29.41
PPFSM225	Steel	2108	82.99	347	13.66
PPFSM225G	Conductive	2108	82.99	347	13.66
PPFSM226	Steel	2108	82.99	447	17.60
PPFSM226G	Conductive	2108	82.99	447	17.60
PPFSM228	Steel	2108	82.99	647	25.47
PPFSM228G	Conductive	2108	82.99	647	25.47
PPFSM229	Steel	2108	82.99	747	29.41
PPFSM229G	Conductive	2108	82.99	747	29.41

Panel Support Brace



Panel support braces give additional support to single- and double-bay panels in heavy loading applications and minimize the vibration created by components mounted on the panel. Braces can be installed on existing systems without removing the panel. Panel support braces are furnished in pairs. Braces are unpainted galvanized steel.

Catalog Number	L (mm)	L (in.)	Fits Panel Width (mm)
PSB10	911	35.87	1000
PSB12	1111	43.74	1200
PSB16	1511	59.49	1600
PSB18	1711	67.36	1800



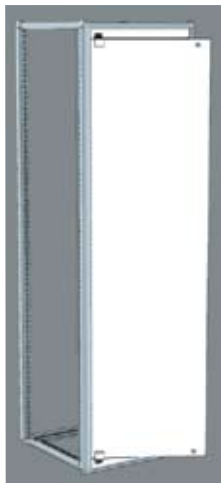
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PROLINE® Panel and Grid Mounting System

PROLINE INTERNAL COMPONENTS

**Bulletin
P20, P9, DPY**

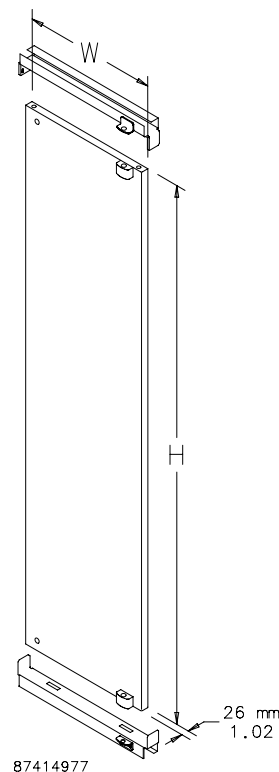
Swing-Out Panel A-T-O



Swing-out panels allow a front-mounted panel to pivot out of an enclosure frame opening. This accessory includes a white panel and all the necessary hardware.

- Swing-out panels are available for 600mm, 700mm, and 800mm wide enclosures
- Panels provide 170 degrees of rotation, with capability to hinge from the right or left side
- Spring-loaded pivot post allows for easy installation
- Supports have a white finish. Hinge blocks are anodized black
- Quarter-turn latches are provided to secure the swing-out panel in the closed position

Catalog Number	H (mm)	H (in.)	W (mm)	W (in.)	Fits Frame	Fits Frame Width
PSP76	538	21.18	515	20.28	700mm or taller	600mm
PSP146	1238	48.74	515	20.28	1400mm or taller	600mm
PSP166	1438	56.61	515	20.28	1600mm or taller	600mm
PSP186	1638	64.49	515	20.28	1800mm or taller	600mm
PSP206	1838	72.36	515	20.28	2000mm or taller	600mm
PSP226	2038	80.24	515	20.28	2200mm tall	600mm
PSP77	538	21.18	615	24.21	700mm or taller	700mm
PSP147	1238	48.74	615	24.21	1400mm or taller	700mm
PSP207	1838	72.36	615	24.21	2000mm or taller	700mm
PSP227	2038	80.24	615	24.21	2200mm tall	700mm
PSP78	538	21.18	715	28.15	700mm or taller	800mm
PSP148	1238	48.74	715	28.15	1400mm or taller	800mm
PSP168	1438	56.61	715	28.15	1600mm or taller	800mm
PSP188	1638	64.49	715	28.15	1800mm or taller	800mm
PSP208	1838	72.36	715	28.15	2000mm or taller	800mm
PSP228	2038	80.24	715	28.15	2200mm tall	800mm



**Modular Enclosure
Systems**

PROLINE® Panel and Grid Mounting System

Transformer Rails **A-T-O**



Catalog Number	Length (mm)	Length (in.)
PTR6	534	21.02
PTR8	734	28.90
PTR12	1134	44.65

Transformer rails are used to mount heavy components and transformers in the bottom of an enclosure.

- The rails are slotted to fit the integral mounting holes in the frame
- Four clip nuts and screws are furnished to mount rails to frame
- Four M10 clamping nuts and bolts are furnished to attach equipment to the rails
- Rails can be installed side to side in the PROLINE frame for mounting of components
- All mounting hardware is included

Grounding Bar System **A-T-O**



Catalog Number	Description	Length (mm)	Length (in.)	Number of Holes/ Screws, M6	Number of Holes/ Screws, M5
PGS2K	Fits 400mm deep frame front to back horizontally	200	7.87	3/5	10/10
PGS4K	Fits 600mm deep frame front to back horizontally	400	15.75	9/11	20/20
PGS6K	Fits 800mm deep frame front to back horizontally	600	23.62	15/17	31/31

Three sizes of grounding bars and insulated mounting brackets are available. Bars are plated copper with M6 and M5 tapped holes to provide a common point for grounding equipment. Fits all enclosures if mounted vertically. See table for horizontal mounting.

PROLINE® Panel and Grid Mounting System

PROLINE INTERNAL COMPONENTS

Bulletin
P20, P9, DPY

Grounding Kit

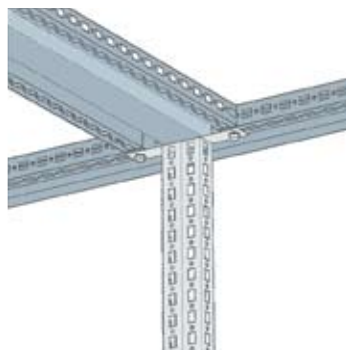


The grounding kit allows a PROLINE cabinet to be grounded to VDE specifications. Includes six 12 gauge wires 16.19 inches (411mm) long with ring terminations and M6 mounting hardware.

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

Modular Enclosure Systems

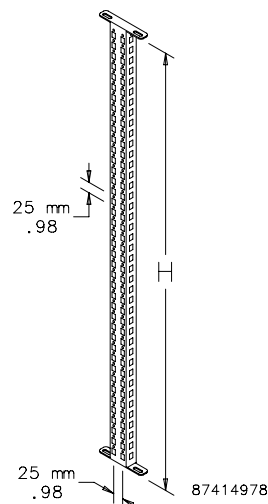
Center Upright **A-T-O**



polyester powder paint. Center uprights are furnished in pairs and include mounting hardware.

Center uprights are vertical channels that attach to the frame (top and bottom). Can be used in 800, 1000, 1200, and 1600mm wide frames to facilitate the installation of accessories for 600mm wide frames and 19 inch rack accessories in wider frames. The vertical hole pattern matches the vertical hole pattern in the frame. Center uprights are made of 12 gauge steel and finished with RAL 7035 textured light gray

Catalog Number	H (mm)	H (in.)	Fits Frame Height
PCU7	625	24.61	700mm
PCU14	1325	52.16	1400mm
PCU16	1525	60.04	1600mm
PCU18	1725	67.91	1800mm
PCU20	1925	75.79	2000mm
PCU22	2125	83.66	2200mm



PROLINE® Panel and Grid Mounting System

PROLINE INTERNAL COMPONENTS

**Bulletin
P20, P9, DPY**

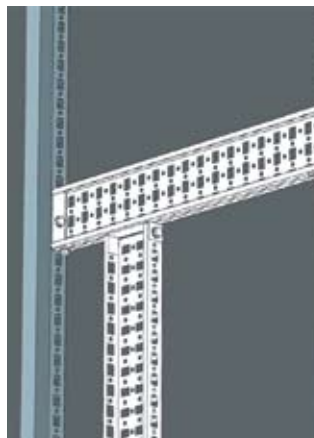
Grid System

A grid system provides a flexible extension to the internal mounting system already furnished in the PROLINE frame.

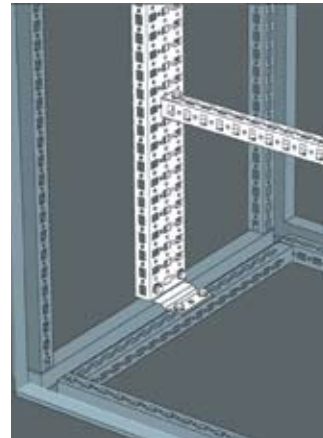
The grid system allows flexible mounting capabilities in height, width, and depth. Accessories or equipment can be attached directly to the grid system using either cage nuts or front-loading cage nuts.



Grid strap installation (from side to side).

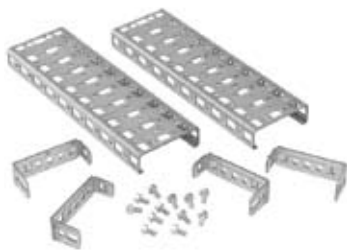


Grid strap installation (vertical and horizontal grid straps).



Full-height vertical grid straps.

Grid Straps **A-T-O**



Grid straps are 14 gauge plated steel. They are provided with specially designed rectangular holes to allow the use of cage nuts or front-loading cage nuts. Mounting holes are provided on 25mm centers. Grid straps are available with either 1 row or 3 rows of holes and are furnished in pairs. Mounting hardware to attach grid straps to the frame or to other grid straps is included.

- Can be mounted from front to back horizontally across the bottom or sides of the PROLINE frame
- Can be mounted left to right horizontally between front-to-back pairs or from the sides of the PROLINE frame
- Can be mounted vertically between horizontally mounted grid straps

Catalog Number	Hole Pattern	L (mm)	L (in.)	Fits Frame Depth (mm)	Fits Frame Width (mm)
PGH1S4	One Row	242	9.53	400	—
PGH1S5	One Row	342	13.46	500	—
PGH1S6	One Row	442	17.40	600	—
PGH1S7	One Row	542	21.34	700	600
PGH1S8	One Row	642	25.28	800	700
PGH1S9	One Row	742	29.21	900	800
PGH1S10	One Row	842	33.15	1000	900
PGH1S11	One Row	942	37.08	—	1000
PGH1S13	One Row	1142	44.96	—	1200
PGH1S17	One Row	1542	60.71	—	1600
PGH3S4	Three Row	242	9.53	400	—
PGH3S5	Three Row	342	13.46	500	—
PGH3S6	Three Row	442	17.40	600	—
PGH3S7	Three Row	542	21.34	700	600
PGH3S8	Three Row	642	25.28	800	700
PGH3S9	Three Row	742	29.21	900	800
PGH3S10	Three Row	842	33.15	1000	300
PGH3S11	Three Row	942	37.08	1100	1000
PGH3S12	Three Row	1242	48.89	1200	—
PGH3S13	Three Row	1142	44.96	—	1200
PGH3S17	Three Row	1542	60.71	—	1600

Full Height Vertical Grid Straps **A-T-O**



Grid straps provide a vertical extension of the frame holes in the sides of the PROLINE frame. They are sold in pairs with mounting hardware included. Vertical grid straps are 14 gauge plated steel. Three-row 25mm hole spacing allows the use of cage nuts or front-loading cage nuts.

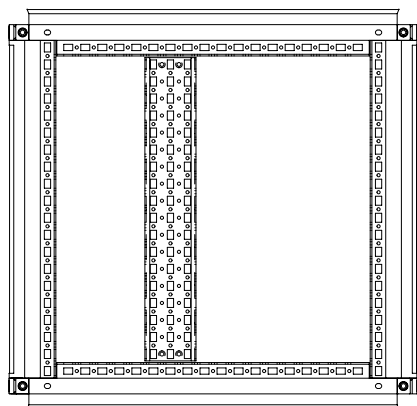
Catalog Number	L (mm)	L (inch)	Fits Frame Height
PGH3S7V	595	23.43	700
PGH3S14V	1295	50.98	1400
PGH3S16V	1495	58.86	1600
PGH3S18V	1695	66.73	1800
PGH3S20V	1895	74.61	2000
PGH3S22V	2095	82.48	2200

PROLINE® Panel and Grid Mounting System

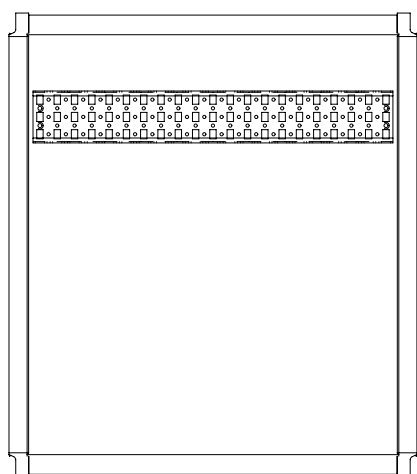
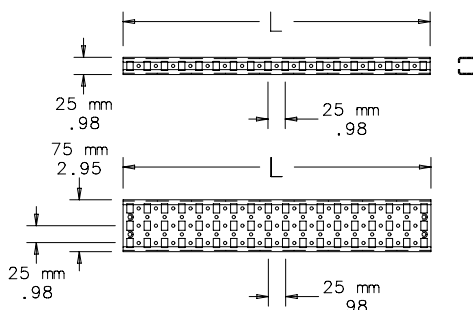
PROLINE INTERNAL COMPONENTS

Bulletin
P20, P9, DPY

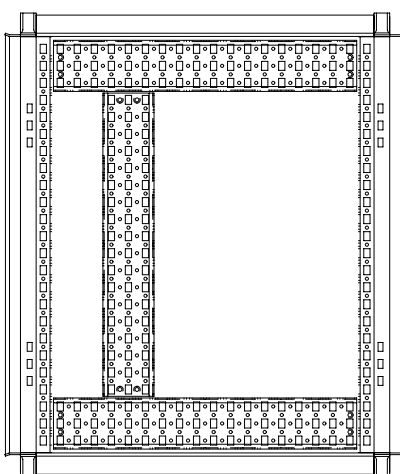
Modular Enclosure Systems



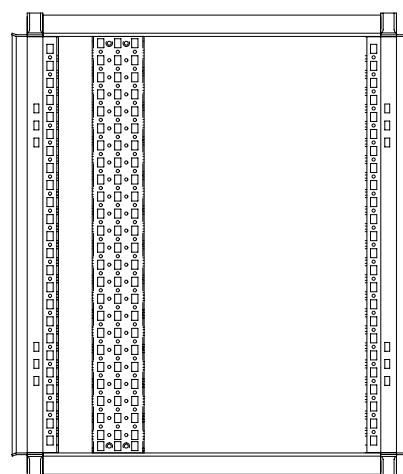
Top View



Front View
Horizontal Installation



Side View
Vertical and Horizontal
Installation



Side View
Vertical Installation

87415121

Fastener Packages **A-T-O**



Used to fasten components to the grid system. Package includes 20 front-loading clip nuts (M6) and 20 combination-drive washer head bolts (M6).

Grounding Package is used with the rectangular holes in the PROLINE frame to provide electrical continuity between the frame and the grid system.

Catalog Number	Description
PGFM6	Standard package
PGFGM6	Grounding package

Lutze® LSC® Mounting System

The Lutze LSC Wiring System easily adapts to PROLINE enclosures using special mounting rails. Consult your local Hoffman sales office for ordering information.

PROLINE® Swing-Out Rack Frames and Accessories

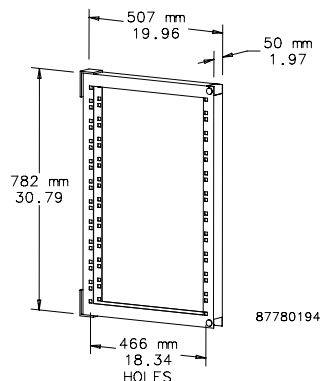
Partial Swing-Out Rack Frame **A-TO**

This 19-inch rack frame is used when a smaller medium duty swing-out frame is desired. Light weight rack equipment fits nicely into this 800mm tall swing-out frame providing 90 degrees of rotation and increased accessibility.

- Side hinge brackets are used to mount the swing frame allowing free access above and below the swing frame
- Used with any height enclosure and hinged on the right or left
- Maximum equipment load is 100 lbs.
- Furnished with hinges, two quarterturn latches, and mounting hardware
- RAL 7035 textured gray finish
- Complies with ANSI/EIA RS-310-D rack mounting standards
- Mounting holes accommodate either English or metric cage nuts, which are ordered separately
- Will not fit in 700mm tall enclosure



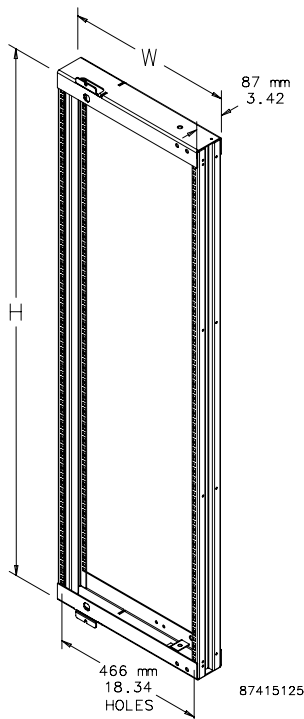
Catalog Number	Fits Frame Width (mm)	Rack Units
PSF6	600	16
PSF8	800	16



Heavy Duty Swing-Out Rack Frame **A-TO**

Allows 19-inch rack equipment to pivot out of the enclosure frame for better accessibility. The frames mount on hinges capable of 120-degree rotation. Hinges that provide 170-degree rotation are optional.

- Spring-loaded pivot post makes installation easy
- Rack frames are available for 600, 700, and 800mm wide enclosure frames
- Mounting supports for a 800mm wide enclosure frame permit you to either center the rack mounting frame or position it right or left. The frame can also pivot from either the left or the right for maximum flexibility.
- Mounting supports can be assembled to the top and bottom of the frame for full height rack mounting frames. Smaller rack mounting frames can be mounted to the vertical frame members or to the grid straps. Order separately.
- Furnished with hinges, two quarter-turn latches, and mounting hardware
- RAL 7035 textured light gray finish
- Complies with ANSI/EIA RS-310-D rack mounting standards
- Maximum equipment load is 300 lbs.
- Mounting holes accommodate either English or metric cage nuts, which are ordered separately



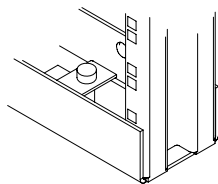
Catalog Number	H (mm)	H (in.)	W (mm)	W (in.)	Rack Units	Fits Frame Height	Fits Frame Width
PSF76	538	21.18	496	19.53	10	700mm or taller	600mm
PSF146	1215	47.83	496	19.53	25	1400mm or taller	600mm
PSF166	1438	56.61	496	19.53	30	1600mm or taller	600mm
PSF186	1615	63.58	496	19.53	34	1800mm or taller	600mm
PSF206	1838	72.36	496	19.53	39	2000mm or taller	600mm
PSF226	2015	79.33	496	19.53	43	2200mm tall	600mm
PSF77	538	21.18	496	19.53	10	700mm or taller	700mm
PSF147	1215	47.83	496	19.53	25	1400mm or taller	700mm
PSF207	1838	72.36	496	19.53	39	2000mm or taller	700mm
PSF227	2015	79.33	496	19.53	43	2200mm tall	700mm
PSF78	538	21.18	496	19.53	10	700mm or taller	800mm
PSF148	1215	47.83	496	19.53	25	1400mm or taller	800mm
PSF168	1438	56.61	496	19.53	30	1600mm or taller	800mm
PSF188	1615	63.58	496	19.53	34	1800mm or taller	800mm
PSF208	1838	72.36	496	19.53	39	2000mm or taller	800mm
PSF228	2015	79.33	496	19.53	43	2200mm tall	800mm

NOTES:

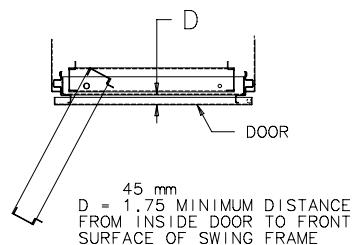
1. Swing-out rack frame assemblies are supplied with mounting supports. Swing-out rack frames can also be installed in right, left, or both bays of 1200mm wide frames using center uprights.
2. Swing-out mounting supports mount to inside of frame at any vertical location.
3. Mounting supports and swing-out frame can be located deeper into frame using grid system straps. Deeper mounting affects the degree of opening of swing-out frame.

PROLINE® Swing-Out Rack Frames and Accessories

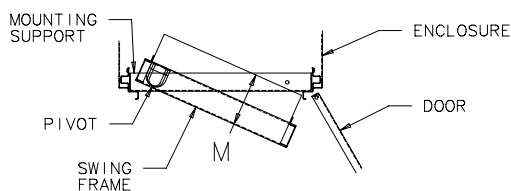
Standard 120° Frame Hinging



120° Mounting Position

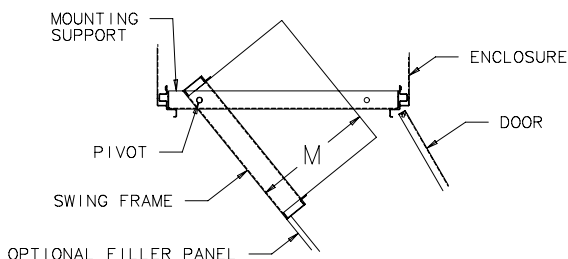


Maximum Installation Depth for 600 mm Wide Enclosures



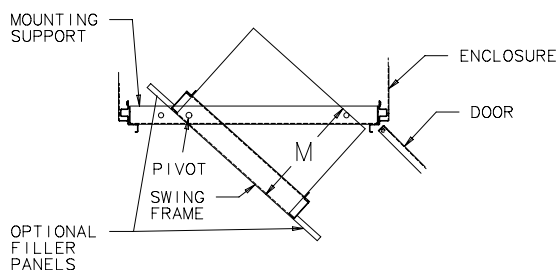
M = Max Installation Depth = 216 mm (8.50 in.)

Maximum Installation Depth for 700 mm Wide Enclosures



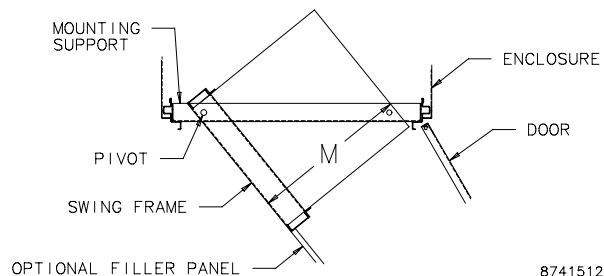
M = Max Installation Depth = 394 mm (15.50 in.)

Maximum Installation Depth for 800 mm Wide Enclosures



Center Position

M = Max Installation Depth = 394 mm (15.50 in.)



Side Position

M = Max Installation Depth = 514 mm (20.25 in.)

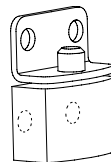
87415126

PROLINE® Swing-Out Rack Frames and Accessories

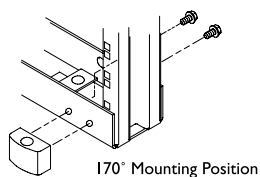
170-degree Hinge Kit **AFPO**

This kit is used in conjunction with the heavy duty swing-out frame. It provides increased accessibility to the back of rack equipment. Can be used in 600mm, 700mm, and 800mm wide cabinets.

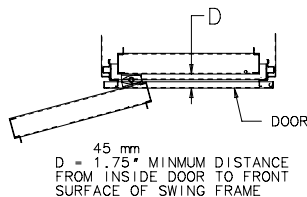
Catalog Number
PSF170K



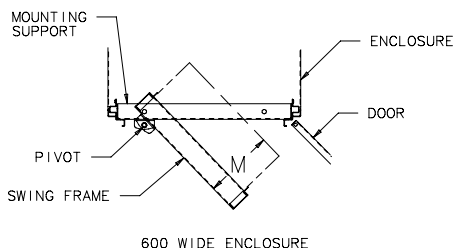
Optional 170° Frame Hinging



Maximum Installation Depth for 600 mm Wide Enclosures

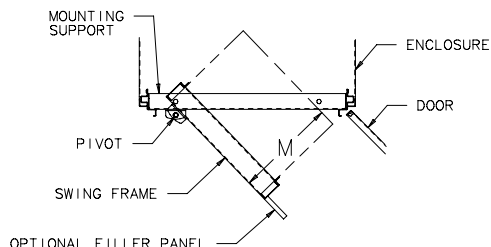


Maximum Installation Depth for 700 mm Wide Enclosures

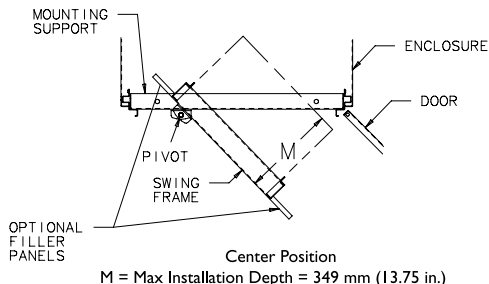


M = Max Installation Depth = 165 mm (6.50 in.)

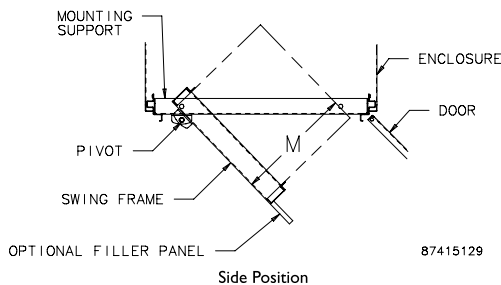
Maximum Installation Depth for 800 mm Wide Enclosures



M = Max Installation Depth = 349 mm (13.75 in.)



M = Max Installation Depth = 349 mm (13.75 in.)



M = Max Installation Depth = 488 mm (19.25 in.)

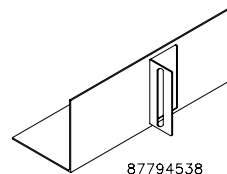
87415129

PROLINE® Swing-Out Rack Frames and Accessories

Swing-Out Guides **A-T-O**

Guides can be mounted to a heavy duty swing-out rack frame to provide extra support for rack equipment. Guides are furnished in pairs and are plated. Mounting hardware included.

Catalog Number	Description
PSFG	Swing-Out Guides

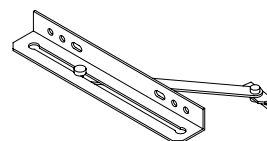


87794538

Stop Arm Kit **A-T-O**

Used with heavy duty swing-out rack frames to lock the frame in the open position. Consists of stop arm and mounting hardware.

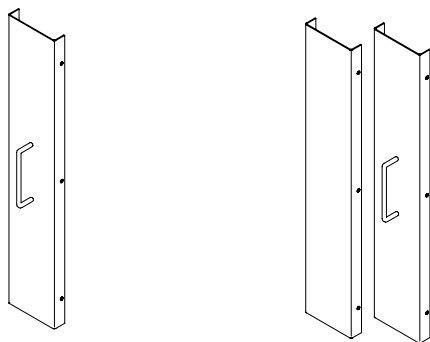
Catalog Number	Description
PSAK120	120° Stop Arm Kit
PSAK170	170° Stop Arm Kit



87794539

Filler Panel Kit **A-T-O**

Used when mounting heavy-duty swing-out rack frames in 700mm or 800mm wide frames. The filler panel occupies the extra space between the frame and the swing frame. Includes a handle and all the hardware for mounting to the swing-out rack frame.



87415128

Catalog Number	Swing Frame Height	Enclosure Width	Mounting
PFPK77LR	700mm	700mm	Left or Right
PFPK78LR	700mm	800mm	Left or Right
PFPK78C	700mm	800mm	Center
PFPK147LR	1400mm	700mm	Left or Right
PFPK148LR	1400mm	800mm	Left or Right
PFPK148C	1400mm	800mm	Center
PFPK167LR	1600mm	700mm	Left or Right
PFPK168LR	1600mm	800mm	Left or Right
PFPK168C	1600mm	800mm	Center
PFPK187LR	1800mm	700mm	Left or Right
PFPK188LR	1800mm	800mm	Left or Right
PFPK188C	1800mm	800mm	Center
PFPK207LR	2000mm	700mm	Left or Right
PFPK208LR	2000mm	800mm	Left or Right
PFPK208C	2000mm	800mm	Center
PFPK227LR	2200mm	700mm	Left or Right
PFPK228LR	2200mm	800mm	Left or Right
PFPK228C	2200mm	800mm	Center

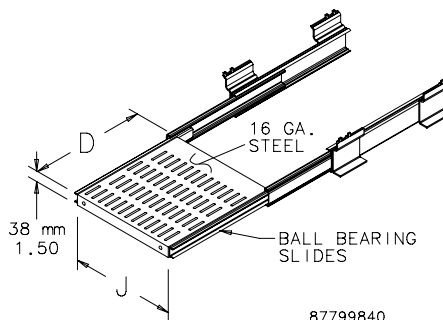
PROLINE® Shelves, Rails, and Lighting Packages

PROLINE Frame Pull-out Shelf



Frame pull-out shelf allows easy access to shelf-mounted devices. The shelf is 16 gauge steel with 12 gauge steel supports. The entire assembly is finished with RAL 7035 textured gray polyester powder paint. The shelf mounts to the front and rear frame uprights. Load rating is 110 lb. (50kg).

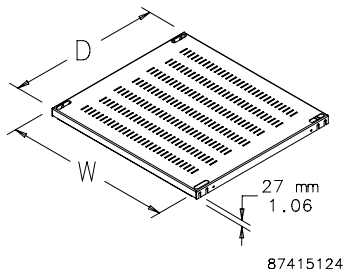
Catalog Number	J (mm)	J (in.)	D (mm)	D (in.)	Shelf Extension (mm)	Shelf Extension (in.)
PFSHP66	475	18.70	461	18.15	450	17.71
PFSHP68	475	18.70	661	26.02	670	26.38
PFSHP86	675	26.58	461	18.15	450	17.72
PFSHP88	675	26.58	661	26.02	670	26.38



Frame Shelf **A-T-O**



Vented frame shelf mounts to the vertical hole pattern on a frame and provides a stationary surface for equipment. The shelf is 16 gauge steel finished with RAL 7035 textured gray polyester powder paint.



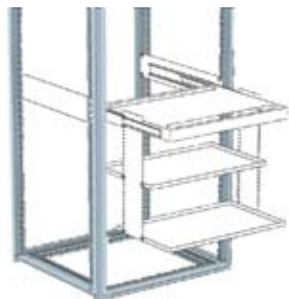
Catalog Number	W (mm)	W (in.)	D (mm)	D (in.)
PFSH64	548	21.57	300	11.81
PFSH65	548	21.57	400	15.75
PFSH66	548	21.57	500	19.68
PFSH68	548	21.57	700	27.56
PFSH69	548	21.57	800	31.50
PFSH74	648	25.51	300	11.81
PFSH75	648	25.51	400	15.75
PFSH76	648	25.51	500	19.68
PFSH78	648	25.51	700	27.56
PFSH79	648	25.51	800	31.50
PFSH84	748	29.45	300	11.81
PFSH85	748	29.45	400	15.75
PFSH86	748	29.45	500	19.68
PFSH88	748	29.45	700	27.56
PFSH89	748	29.45	800	31.50
PFSH104	948	37.32	300	11.81
PFSH105	948	37.32	400	15.75
PFSH106	948	37.32	500	19.68
PFSH108	948	37.32	700	27.56

PROLINE® Shelves, Rails, and Lighting Packages

PROLINE INTERNAL COMPONENTS

**Bulletin
P20, A80LT**

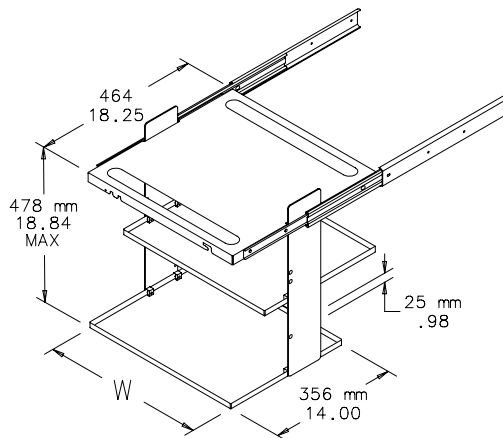
Printer Shelf **A-T-O**



The printer shelf is used for supporting a continuous feed printer. The shelf mounts directly to a PROLINE frame. Paper shelves are vertically adjustable. The entire unit slides out 17 inches from the enclosure, allowing easy accessibility. Fits 600 or 800mm wide frames that are 600mm or more in depth.

Catalog Number	Fits	W (mm)	W (in.)
PPSH66	600 x 600 or 600 x 800	464	18.27
PPSH86	800 x 600 or 800 x 800	663	26.10

PPSH66 can be installed with paper slots positioned front and back or right and left. Grid straps are required when mounting printer shelf in frames deeper than 600mm.



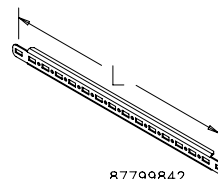
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PROLINE Wire Management Rails



Wire management rails are 14 gauge steel with a plated finish. They feature a unique hole pattern that allows either wire ties or fasteners to secure wires in place. Frame-mounting hardware is included. One package contains 20 rails.

Catalog Number	L (mm)	L (in.)	Total Length (mm)	Total Length (in.)	Fits Frame Depth (mm)
PWMR4	275	10.83	297	11.69	400
PWMR5	375	14.76	397	15.63	500
PWMR6	475	18.70	497	19.57	600
PWMR8	675	26.58	697	27.44	800
PWMR9	775	30.51	797	31.38	900
PWMR10	875	34.45	897	35.32	1000



87799842

**Modular Enclosure
Systems**

PROLINE® Shelves, Rails, and Lighting Packages

Incandescent Lighting Package



Designed to illuminate the interior of an electrical enclosure. Models are available with a door-activated switch or a manually operated switch. A terminal block is provided for connection to the electrical supply circuit. A convenience outlet is also provided for ease

of servicing components mounted within the enclosure. Lighting package mounts at the top of the enclosure door opening and protrudes into the opening less than one inch (25mm). A removable wire guard protects the bulb from damage.

Maintains UL/CSA Type 4 when properly installed on a Hoffman enclosure.

Installation

Designed to be mounted in most Hoffman Type 3, 3R, 4, 12, and 13 enclosures. Front mounting holes are used on most applications. Two .173-inch (4mm) holes must be drilled in the enclosure. Lighting Package should be installed with the two sealing screws included.

Catalog Number	Description	VAC	Hz	Amps
ALTD81	Door Switch with terminal block	120	50/60	15
ALTM81	Manual Switch with terminal block	120	50/60	15

Features

- 60 watt incandescent T-10 style bulb included
- Terminal block has three 6-32 screw terminals with barriers labeled for power and ground connections
- Operates on 120 volts, 50/60 Hz
- 120 volt convenience outlet with ground, 12 amp maximum rating
- Includes two self-sealing installation screws

Construction

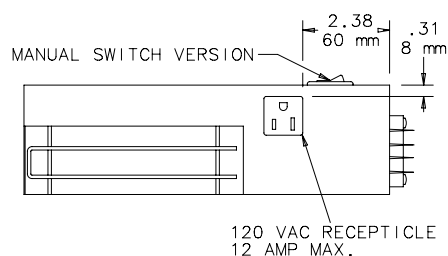
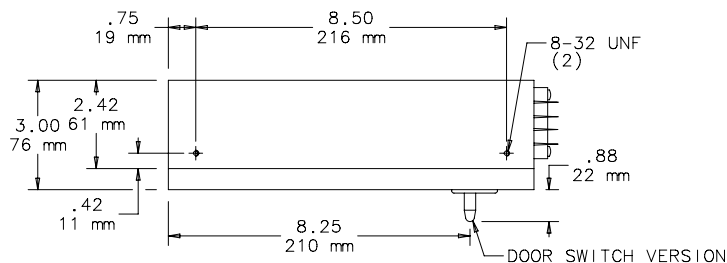
- 20 gauge sheet metal construction
- Stainless steel wire guard snaps in place for easy bulb replacement

Finish

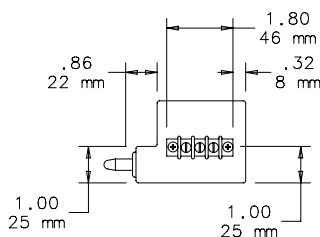
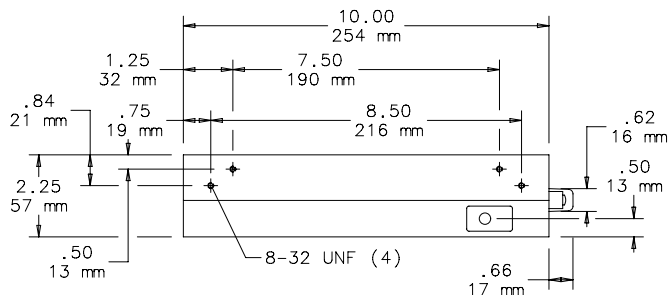
Lighting Package housing is white. Wire guard is stainless steel.

Industry Standards

UL Component Recognized
Certified by Canadian Standards Association



C2598-C



PROLINE® Shelves, Rails, and Lighting Packages

Fluorescent Lighting Package



Designed to illuminate the interior of electrical enclosures. Models are available with a door-activated or manually operated switch. The door-activated switch opens the circuit when the enclosure door is closed. Both switches are integrally mounted. Separate door-

activated switch or manual switch is available for remote mounting. Switches include mounting bracket. A terminal block is provided for connection to the electrical supply circuit. This low-profile package mounts to the top of the enclosure door opening. The clear, non-yellowing plastic lens guards against bulb breakage. Fluorescent bulb not included.

NOTE: See the Accessories chapter for standard sizes and catalog numbers.

Door-Activated Light Switch Kit



Door activated switch mounts to the frame and includes mounting hardware. Mounting plate is 14 gauge steel with a plated finish.

Catalog Number	Description
PLFSWD	Door activated light switch kit

Manual Light Switch Kit



Manual switch mounts to the frame and includes mounting hardware. Mounting plate is 14 gauge steel with a plated finish.

Catalog Number	Description
PLFSWM	Manual light switch kit

PROLINE® Rack Mounting Angles and Accessories

PROLINE Rack Angles



PROLINE rack angles are available in 19-, 23-, and 24-inch configurations. All rack angles have two mounting surfaces that serve as mounts for both rack equipment and rack accessories. Rack angles are furnished in pairs and are available with tapped holes that directly accommodate 10-32 screws or square holes for use with cage nuts and M5, M6, or 10-32 screws. Rack angles comply with ANSI/EIA RS-310-D rack mounting standards.

Rack angles can be mounted directly to the enclosure frame or on grid system straps at almost any depth location. Rack angles are plated. All mounting hardware to install rack angles is included. (Order cage nuts for square hole rack angles separately.)

- The standard rack angle position is 44mm behind the door opening. Rack angles can be moved forward if desired. Deeper positions require the use of grid straps. 1200mm and 1600mm frames require center uprights to mount rack angles in right bay or left bay.
- For joining cabinets with rack angles in the full forward position, use joining kit PJ2FF.
- Shelves, drawer guides, and pull-out shelves require two sets of rack angles or frame accessory brackets installed in the frame.

Static Load Notes

It is important to comply with manufacturers' recommendations for rack mounting support.

Follow mounting directions for individual equipment.

Max. 20 lb. (9.1kg) per rack unit for equipment under 20 in. (508mm) deep.

Equipment over 20 in. (508mm) deep or over 20 lb. (9.1kg) per rack unit requires rear support.

PROLINE® Rack Mounting Angles and Accessories

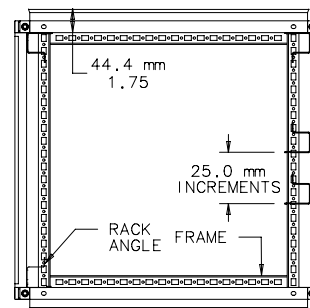
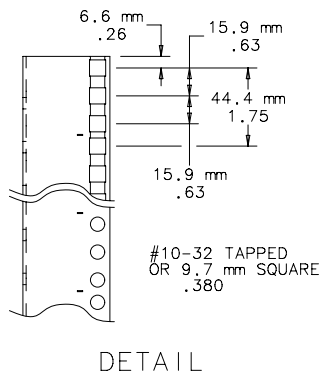
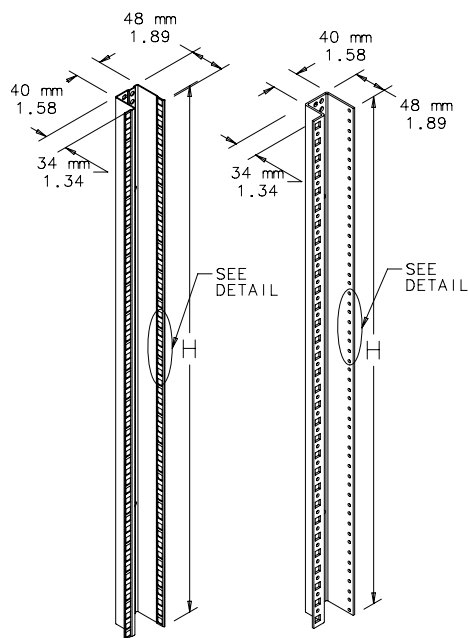
19-inch Rack Angles **A-T-O**



19-inch rack angles are available in square hole and tapped hole designs. Tapped rack angles are 12 gauge plated steel with 10-32 tapped holes. Square hole rack angles are 14 gauge plated steel designed to accept metric or English cage nuts. 19-inch rack angles are fixed directly into a 600mm wide enclosure frame. To mount 19-inch rack angles in 700mm or 800mm wide frames, use frame reducing brackets.

Catalog Number	Hole	H (mm)	H (in.)	Fits Frame	Rack Units
PRA197TH	Square	578.4	22.77	700mm	13
PRA197TP	Tapped	578.4	22.77	700mm	13
PRA198TH	Square	711.7	28.02	800mm	16
PRA198TP	Tapped	711.7	28.02	800mm	16
PRA1914TH	Square	1289.6	50.77	1400mm	29
PRA1914TP	Tapped	1289.6	50.77	1400mm	29
PRA1916TH	Square	1467.3	57.77	1600mm	33
PRA1916TP	Tapped	1467.3	57.77	1600mm	33
PRA1918TH	Square	1689.6	66.52	1800mm	38
PRA1918TP	Tapped	1689.6	66.52	1800mm	38
PRA1920TH	Square	1867.4	73.52	2000mm	42
PRA1920TP	Tapped	1867.4	73.52	2000mm	42
PRA1922TH	Square	2089.6	82.27	2200mm	47
PRA1922TP	Tapped	2089.6	82.27	2200mm	47

NOTE: Vertical holes spaced in 1.75 in. (44.4mm) increments.



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PROLINE® Rack Mounting Angles and Accessories

23-Inch Rack Angles **A-T-O**



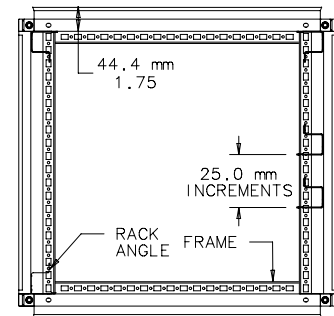
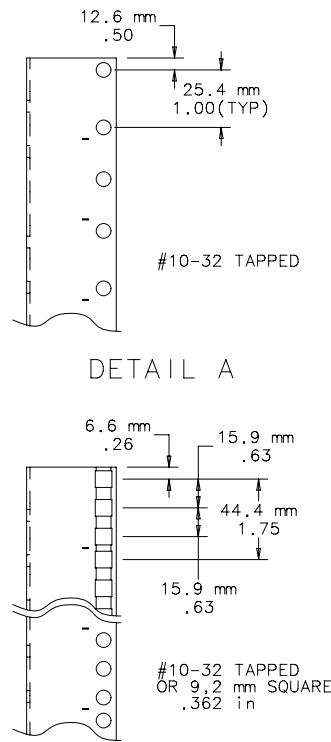
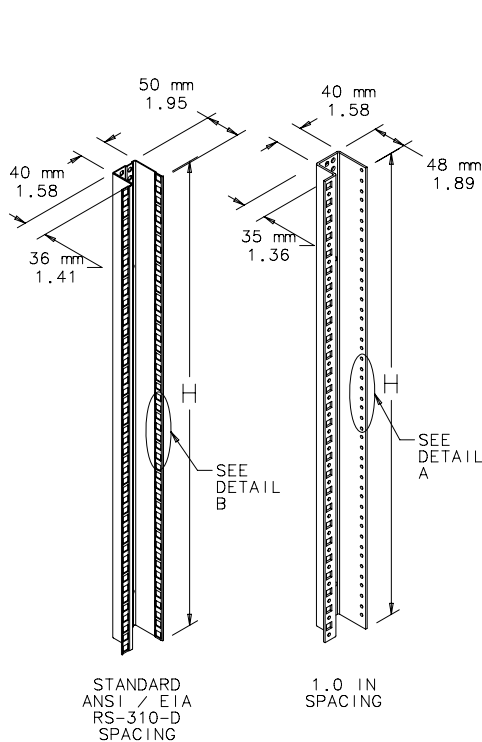
23-inch rack angles are available for telecom applications. They fit directly into 700mm wide frames or into 800mm wide frames using frame reducing brackets. Rack angles are 12 gauge steel with 10-32 tapped holes. 23-inch rack angles are available with either 1.75-inch rack units or 1.00-inch vertical hole spacing.

Catalog Number	Hole	H (mm)	H (in.)	Fits Frame Height	Rack Units
PRA197TH	Square	578	22.76	700mm	13
PRA197TP	Tapped	578	22.76	700mm	13
PRA1914TH	Square	1245	49.02	1400mm	28
PRA1914TP	Tapped	1245	49.02	1400mm	28
PRA1916TH	Square	1467	57.76	1600mm	33
PRA1916TP	Tapped	1467	57.76	1600mm	33
PRA1918TH	Square	1690	66.54	1800mm	38
PRA1918TP	Tapped	1690	66.54	1800mm	38
PRA1920TH	Square	1867	73.50	2000mm	42
PRA1920TP	Tapped	1867	73.50	2000mm	42
PRA1922TH	Square	2090	82.28	2200mm	47
PRA1922TP	Tapped	2090	82.28	2200mm	47

NOTE: Vertical holes spaced in 1.75 in. (44.4mm) increments.

Catalog Number	Hole	H (mm)	H (in.)	Fits Frame Height	Rack Units
PRA237TP	Tapped	584	22.99	700mm or taller	23
PRA2314TP	Tapped	1270	50.00	1400mm or taller	50
PRA2316TP	Tapped	1473	57.99	1600mm or taller	58
PRA2318TP	Tapped	1676	65.98	1800mm or taller	67
PRA2320TP	Tapped	1879	73.98	2000mm	74
PRA2322TP	Tapped	2083	82.00	2200mm	83

NOTE: Vertical holes spaced in 1.00 in. (25.4mm) increments.



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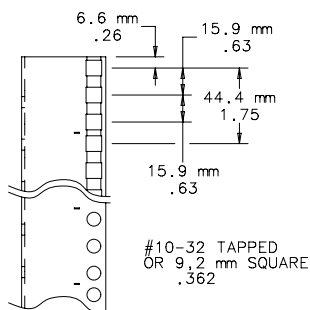
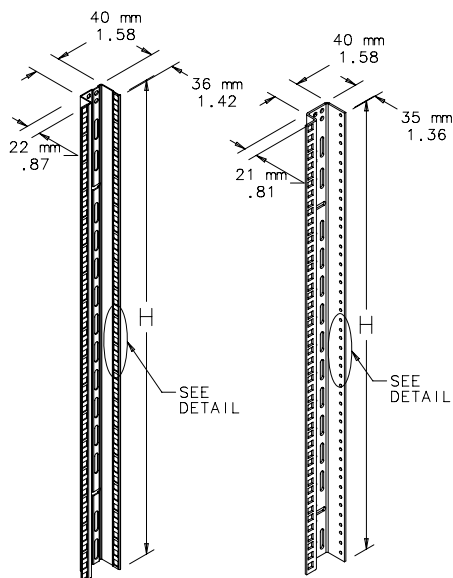
RACK MOUNTING EQUIPMENT

PROLINE® Rack Mounting Angles and Accessories

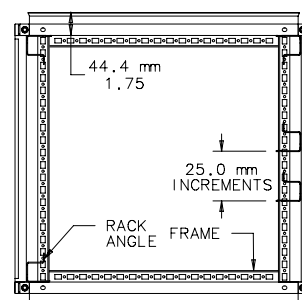
24 Inch Rack Angles **A-T-O**



24-inch rack angles are available in both square hole and tapped hole designs. Tapped rack angles are 12 gauge plated steel with 10-32 tapped holes. Square hole rack angles are 14 gauge plated steel designed to accept metric or English cage nuts. 24-inch rack angles fit directly into 700mm wide frames or in 800mm wide frames using frame reducing brackets.



DETAIL

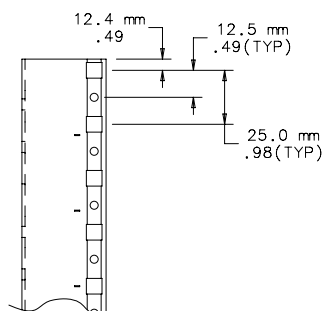
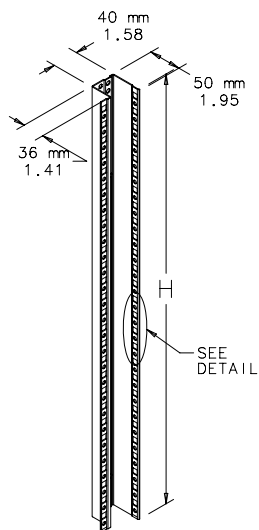


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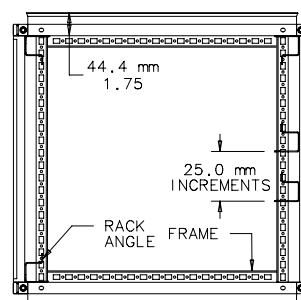
Catalog Number	Hole	H (mm)	H (in.)	Fits Frame	Rack Units
PRA247TH	Square	578.4	22.77	700mm	13
PRA247TP	Tapped	578.4	22.77	700mm	13
PRA2414TH	Square	1245.1	49.02	1400mm	29
PRA2414TP	Tapped	1245.1	49.02	1400mm	29
PRA2416TH	Square	1467.3	57.77	1600mm	33
PRA2416TP	Tapped	1467.3	57.77	1600mm	33
PRA2418TH	Square	1689.6	66.52	1800mm	38
PRA2418TP	Tapped	1689.6	66.52	1800mm	38
PRA2420TH	Square	1867.4	73.52	2000mm	42
PRA2420TP	Tapped	1867.4	73.52	2000mm	42
PRA2422TH	Square	2089.6	82.27	2200mm	47
PRA2422TP	Tapped	2089.6	82.27	2200mm	47

Metric Rack Angles **A-T-O**

Metric rack angles are available with square holes spaced vertically in 25mm increments to accept metric or English cage nuts. These rack angles are built in accordance with standard IEC 917-2-1 to accommodate metric subracks. They are sized to fit directly into 600mm wide frames. Use frame reducing brackets to mount in 700mm or 800mm wide frames.



DETAIL



87418263

Catalog Number	H (mm)	H (in.)	Fits Frame Height	Rack Units
PRAM7	575	22.64	700mm	22
PRAM14	1275	50.20	1400mm	50
PRAM16	1475	58.07	1600mm	58
PRAM18	1675	65.94	1800mm	66
PRAM20	1875	73.82	2000mm	74
PRAM22	2075	81.69	2200mm	82

PROLINE® Rack Mounting Angles and Accessories

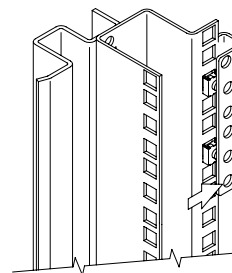
ETSI

Rack angles to accept ETSI (535mm) components are available in various heights. Consult your local Hoffman Sales office for ordering information.

Rack Angle Adapter Bracket **A-T-O**

Rack angle adapter brackets mount to the PROLINE rack angles. They bring out the rear leg mounting surface to allow traditional rack mount slides (A16SL2U, sold separately) to be used. Fits 19, 23, and 24 inch tapped or through hole PROLINE rack angles. Rack angle adapter brackets come in a quantity of four and are 14 gauge steel. They have a plated finish.

Catalog Number	Gauge	Use With
PBRAA	14	Rack Mount Slides A16SL2U

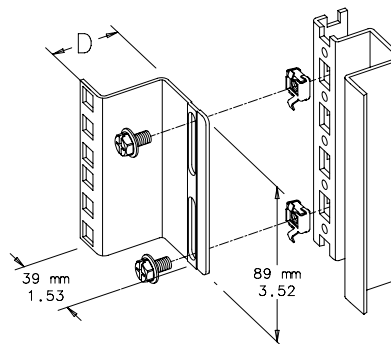


87747358

Frame Accessory Bracket **A-T-O**

Frame accessory brackets mount directly to the PROLINE frame and are used in place of rack angles to mount rack accessories such as shelves and pull-out shelves. Frame brackets are furnished in sets of four and are 14 gauge plated steel. Mounting hardware is included.

Catalog Number	Description	D (mm)	D (in.)
PFB19	19 inch EIA spacing	36	1.42
PFB23	23 inch EIA spacing	36	1.42
PFB24	24 inch EIA spacing	22	0.87
PFBM	Metric IEC 91721 spacing	36	1.42



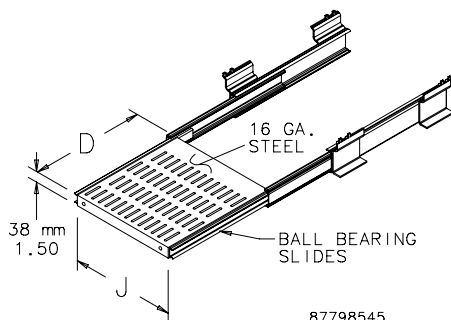
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PROLINE® Rack Mounting Angles and Accessories

Pull-Out Shelf **A-T-O**

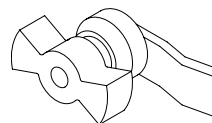
Pull-out shelf allows easy access to shelf-mounted devices. The shelf is 16 gauge steel with 12 gauge steel supports. The entire assembly is finished with RAL 7035 textured light gray polyester powder paint. The shelf mounts to the front surface of front and back rack angles. Load rating is 150 lb. (68 kg) with four rack angle mountings. Load rating is 75 lb. (34 kg) with front rack angle mounting.

NOTE: Rack accessories that are shorter than the enclosure depth can be mounted to rack angles or frame accessory brackets attached to grid straps. Order these items separately.



Pull-Out Shelf Lock **A-T-O**

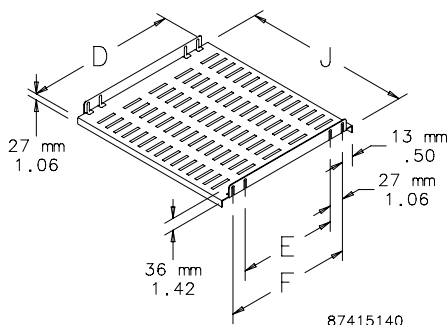
Pull-out shelf lock is used in combination with the pull-out shelf to hold the shelf in the recessed position. It can be mounted on either the left or right side. This black quarter-turn lock has a wing knob for easy hand operation.



Fixed Shelf **A-T-O**

Fixed shelves mount to the front surface of front and back rack angles. The shelf is 14 gauge steel with adjustable 12 gauge steel supports. Adjustable to fit multiple-depth enclosures or rack angle placements. Entire assembly is finished with RAL 7035 textured light gray polyester powder paint. Load rating is 150 lb. (68 kg).

NOTE: Rack accessories that are shorter than the enclosure depth can be mounted to rack angles or frame accessory brackets attached to grid straps. Order these items separately.



Catalog Number	D (mm)	D (in.)	J (mm)	J (in.)	Shelf Extension (mm)	Shelf Extension (in.)	Fits Rack Width
P19PSH5	361	14.21	403	15.87	350	14.00	19
P19PSH6	461	18.15	403	15.87	450	18.00	19
P19PSH8	661	26.02	403	15.87	670	26.50	19
P19PSH9	761	29.96	403	15.87	770	30.00	19
P23PSH5	361	14.21	505	19.88	350	14.00	23
P23PSH6	461	18.15	505	19.88	450	18.00	23
P23PSH8	661	26.02	505	19.88	670	26.50	23
P23PSH9	761	29.96	505	19.88	770	30.00	23
P24PSH5	361	14.21	530	20.87	350	14.00	24
P24PSH6	461	18.15	530	20.87	450	18.00	24
P24PSH8	661	26.02	530	20.87	670	26.50	24
P24PSH9	761	29.96	530	20.87	770	30.00	24

Catalog Number
PSHLOCK

Catalog Number	D (mm)	D (in.)	E (mm)	E (in.)	F (mm)	F (in.)	J (mm)	J (in.)	Fits Rack Width
P19SH4	249	9.80	164.8	6.49	218.4	8.60	477	18.78	19
P19SH5	349	13.74	264.8	10.43	318.4	12.54	477	18.78	19
P19SH6	449	17.68	364.8	14.36	418.4	16.47	477	18.78	19
P19SH8	649	25.55	564.8	22.24	618.4	24.35	477	18.78	19
P19SH9	749	29.49	664.8	26.17	718.4	28.28	477	18.78	19
P23SH4	249	9.80	170	6.69	223.6	8.80	578.6	22.78	23
P23SH5	349	13.74	270	10.63	323.6	12.74	578.6	22.78	23
P23SH6	449	17.68	370	14.57	423.6	16.68	578.6	22.78	23
P23SH8	649	25.55	570	22.44	623.6	24.55	578.6	22.78	23
P23SH9	749	29.49	670	26.38	723.6	28.49	578.6	22.78	23
P24SH4	249	9.80	164.8	6.49	218.4	8.60	604	23.78	24
P24SH5	349	13.74	264.8	10.43	318.4	12.54	604	23.78	24
P24SH6	449	17.68	364.8	14.36	418.4	16.47	604	23.78	24
P24SH8	649	25.55	564.8	22.24	618.4	24.35	604	23.78	24
P24SH9	749	29.49	664.8	26.17	718.4	28.28	604	23.78	24

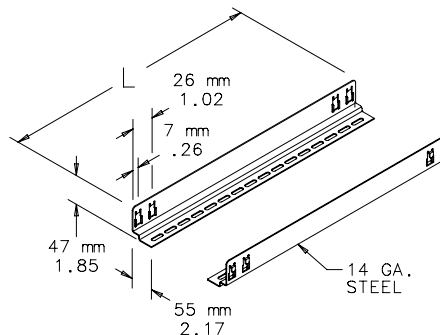
PROLINE® Rack Mounting Angles and Accessories

Guides **A-T-O**

Equipment guides help support rack-mounted equipment during installation. Guides mount between two pairs of rack angles. Slotted holes are provided for vertical or lateral adjustment. Furnished in pairs. Guides have plated finish. Mounting hardware included. Can be installed on 19-inch or 24-inch rack angles.

NOTE: Rack accessories that are shorter than the enclosure depth can be mounted to rack angles or frame accessory brackets attached to grid straps. Order these items separately.

Catalog Number	L (mm)	L (inch)	Frame Depth (mm)	Frame Depth (inch)
PG4	217	8.54	400	15.75
PG5	317	12.48	500	19.68
PG6	417	16.42	600	23.62
PG7	517	20.35	700	27.56
PG8	617	24.29	800	31.49
PG9	717	28.23	900	35.43

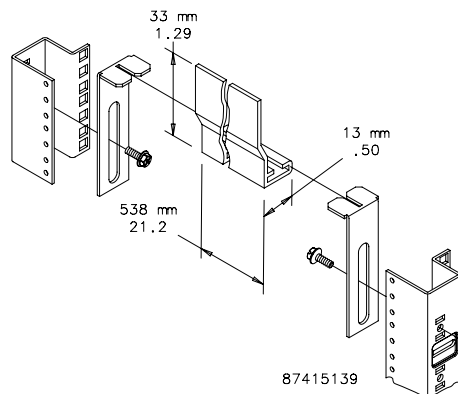


87415141

Filler Panel for Rack Angles **A-T-O**

Filler panels are used to completely fill 19-inch rack mounting spaces at top and bottom of PROLINE® door opening. Extruded aluminum filler panels are furnished in pairs and include mounting hardware.

Catalog Number	catalog_number
PFP19RA	PFP19RA



87415139

Screw Package

Twenty plated oval-head slotted screws are included in each package. Screws attach rack panels to rack mounting angles. Available in 10-32, 12-24, and M5.

Catalog Number	Description	Pkg. Qty.	Bulletin Number
AS1032	10-32 x .75	20	A80, DACCY, X20
ES1224	12-24 x .5	20	A80, DACCY, X20
ASM5	Metric M5 x 20	20	A80, DACCY, X20

Cage Nut Package

Twenty plated cage nuts are included in each package. Available in 10-32, 12-24, M5, and M6, these cage nuts will fit all PROLINE rack angles with square holes.

Catalog Number	Description	Pkg. Qty.	Bulletin Number
P1032CN	10-32 thread	20	P20, DACCY
P1224CN	12-24 thread	20	P20, DACCY
PM5CN	Metric M5 thread	20	P20, DACCY
PM6CN	Metric M6 thread	20	P20, DACCY

PROLINE® Rack Mounting Angles and Accessories

Rack Panels **A-T-O**



Rack panels are available in aluminum and painted steel. Aluminum rack panels are .125-inch-thick 5052-H32 alloy. Steel rack panels are 12 gauge steel and finished in RAL 7035 textured light gray polyester powder paint. All panels are flat with oblong holes positioned at E.I.A. standard spacing. Mounting hardware is sold separately.

Catalog Number	Material	Rack Angle Size
P19RP1UA	Aluminum	19
P23RP1UA	Aluminum	23
P19RP1UP	Steel	19
P23RP1UP	Steel	23
P19RP2UA	Aluminum	19
P23RP2UA	Aluminum	23
P24RP2UA	Aluminum	24
P19RP2UP	Steel	19
P23RP2UP	Steel	23
P24RP2UP	Steel	24
P19RP3UA	Aluminum	19
P23RP3UA	Aluminum	23
P24RP3UA	Aluminum	24
P19RP3UP	Steel	19
P23RP3UP	Steel	23
P24RP3UP	Steel	24
P19RP4UA	Aluminum	19
P23RP4UA	Aluminum	23
P24RP4UA	Aluminum	24
P19RP4UP	Steel	19
P23RP4UP	Steel	23
P24RP4UP	Steel	24
P19RP5UA	Aluminum	19
P24RP5UA	Aluminum	24
P19RP5UP	Steel	19
P24RP5UP	Steel	24
P19RP6UA	Aluminum	19
P24RP6UA	Aluminum	24
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P24RP6UP	Steel	24
P19RP7UA	Aluminum	19
P19RP7UP	Steel	19
P19RP8UA	Aluminum	19
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P24RP8UP	Steel	24
P19RP9UA	Aluminum	19
P19RP9UP	Steel	19
P19RP10UA	Aluminum	19
P19RP10UP	Steel	19
P19RP11UA	Aluminum	19
P19RP11UP	Steel	19
P19RP12UA	Aluminum	19
P19RP12UP	Steel	19
P19RP16UA	Aluminum	19
P19RP16UP	Steel	19

**Modular Enclosure
Systems**

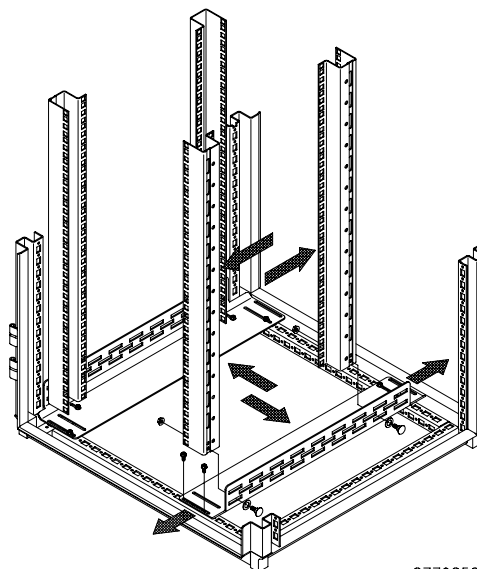
PROLINE® Rack Mounting Angles and Accessories

Adjustable Rack Mounting Rails **A-T-O**



Mounting rails allow rack angles to be positioned anywhere within the PROLINE frame. The left-to-right adjustment pertains only when the enclosure is wider than the minimum width required for rack angles. Includes two right-hand and two left-hand 12 gauge plated steel mounting rails. Mounting hardware is included.

Catalog Number	L (inch)	L (mm)	Fits Frame Depth
PBARA6	20.11	511	600mm
PBARA8	27.98	711	800mm
PBARA9	31.92	811	900mm

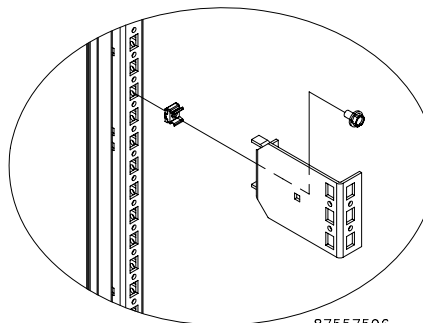


87798529

Frame Reducing Brackets **A-T-O**

Frame reducing brackets mount directly to 700mm or 800mm wide PROLINE frames or to grid straps. Converts wider frames to 600mm wide, allowing 19-inch rack angles to fit, or to 700mm wide, allowing 23-inch rack angles to fit. Can be used to left- or right-justify the rack mounted equipment. Furnished in sets of four. 14 gauge plated steel. Mounting hardware is included.

Catalog Number	Reduces Frame Width	W (mm)	W (in.)	Converts Frame Width
PRB50	50mm	50	1.97	From 700 to 600, From 800 to 700mm
PRB100	100mm	100	3.94	From 800 to 600, From 800 to 700, From 700 to 600mm
PRB200	200mm	200	7.87	From 1000 to 600, From 1000 to 800, From 800 to 600mm



87557596

PROLINE® Rack Mounting Angles and Accessories

Slides **A-T-O**



Heavy duty ball bearing, plated three-section slides are 16 inches (406mm) long and allow 17-inch (423mm) extension. They are attached to supports that mount between two pairs of rack mounting angles that have accessory mounting legs. Mounting hardware is furnished. Equipment 16.75 inches (425mm) wide can be mounted between

slide assemblies installed on 19-inch rack angles. A pair of slides can support up to 160 pounds at the extended position when load is distributed evenly along the 16-inch (406mm) slide length. Requires rack angle adapter bracket to fit PROLINE.

NOTE: Needs to be used with the Rack Angle Adapter Bracket (PBRAA, PBRAA19, or PBRAA24).

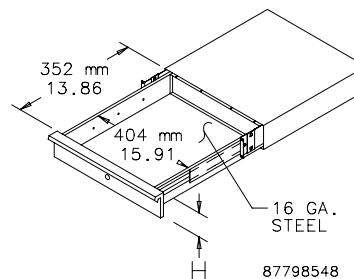
Catalog Number	Quantity
A16SL2U	2

Rack Angle Mounted Drawer **A-T-O**



Steel drawer for 19-in. rack angle mounting mounts to the front surface of the rack angles. Integral steel box contains the drawer and protects surrounding internal equipment. Extends 13 inches (330mm) on ball bearing slides. Front includes handle and key lock. Finish is RAL 7035 textured light gray polyester powder paint. Mounting hardware is included.

Catalog Number	H (mm)	H (in.)	Fits Rack Width	Rack Units
P19DR1US	43	1.69	19 in.	1
P19DR2US	88	3.47	19 in.	2
P19DR3US	132	5.20	19 in.	3

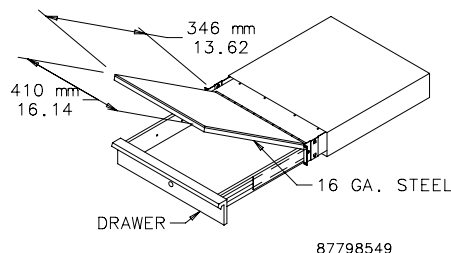


Writing Surface **A-T-O**



A 16 gauge steel cover mounts on top of the drawer to serve as a writing surface and drawer cover. Finish is RAL 7035 textured light gray polyester powder paint.

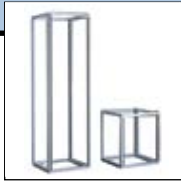
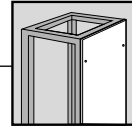
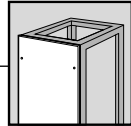
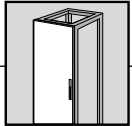
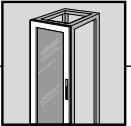
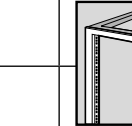
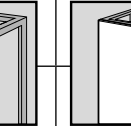
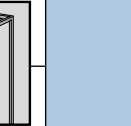
Catalog Number	Fits
P19WS	Drawer



PROLINE® External Components

Selection Matrix: Doors, Covers, and Sides

Component Selection Matrix Steel Sides, Covers, and Door Options

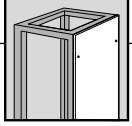
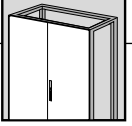
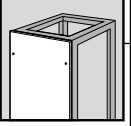
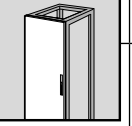
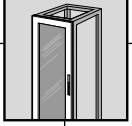
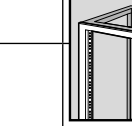
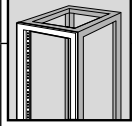
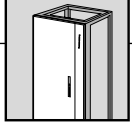
 Single-Bay PROLINE Frame			 Solid Side ^a	 Solid Cover ^a	 Solid Door ^a	 Door with Polycarbonate Window	 Door with Safety Glass Window	 Dress Frame	 Disconnect Door System ^b
A	B	C							
700	600	600	PSS76	PCS76	PDS76R	PDW76	PDWG76	PDF76	
700	800	600	PSS76	PCS78	PDS78R	PDW78	PDWG78		
1400	600	600	PSS146	PCS146	PDS146	PDW146	PDWG146	PDF146	
1400	800	500	PSS145	PCS148	PDS148	PDW148	PDWG148		
1400	800	800	PSS148	PCS148	PDS148	PDW148	PDWG148		
1600	600	400	PSS164	PCS166	PDS166	PDW166	PDWG166	PDF166	
1600	600	600	PSS166	PCS166	PDS166	PDW166	PDWG166	PDF166	
1600	600	800	PSS168	PCS166	PDS166	PDW166	PDWG166	PDF166	
1600	800	600	PSS166	PCS168	PDS168	PDW168	PDWG168		PTDDC168
1600	800	800	PSS168	PCS168	PDS168	PDW168	PDWG168		PTDDC168
1800	600	600	PSS186	PCS186	PDS186	PDW186	PDWG186	PDF186	
1800	600	800	PSS188	PCS186	PDS186	PDW186	PDWG186	PDF186	
1800	800	400	PSS184	PCS188	PDS188	PDW188	PDWG188		PTDDC188
1800	800	500	PSS185	PCS188	PDS188	PDW188	PDWG188		PTDDC188
1800	800	600	PSS186	PCS188	PDS188	PDW188	PDWG188		PTDDC188
1800	800	800	PSS188	PCS188	PDS188	PDW188	PDWG188		PTDDC188
1800	1000	500	PSS185	PCS1810	PDS1810				PTDDC1810
1800	1000	600	PSS186	PCS1810	PDS1810				PTDDC1810
1800	1000	800	PSS188	PCS1810	PDS1810				PTDDC1810
2000	600	400	PSS204	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	400	500	PSS205	PCS204	PDS204				
2000	600	500	PSS205	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	400	600	PSS206	PCS204	PDS204				
2000	600	600	PSS206	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	600	800	PSS208	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	700	600	PSS206	PCS207	PDS207	PDW207	PDWG207		
2000	700	800	PSS208	PCS207	PDS207	PDW207	PDWG207		
2000	800	400	PSS204	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2000	800	500	PSS205	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2000	800	600	PSS206	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2000	800	800	PSS208	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2000	800	900	PSS209	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2000	1000	500	PSS205	PCS2010	PDS2010				PTDDC2010
2000	1000	600	PSS206	PCS2010	PDS2010				PTDDC2010
2000	1000	800	PSS208	PCS2010	PDS2010				PTDDC2010
2200	600	600	PSS226	PCS226	PDS226	PDW226	PDWG226	PDF226	
2200	600	800	PSS228	PCS226	PDS226	PDW226	PDWG226	PDF226	
2200	700	800	PSS228	PCS227	PDS227	PDW227	PDWG227		
2200	700	900	PSS229	PCS227	PDS227	PDW227	PDWG227		
2200	800	600	PSS226	PCS228	PDS228	PDW228	PDWG228		
2200	800	800	PSS228	PCS228	PDS228	PDW228	PDWG228		
2200	1000	500	PSS225	PCS2210	PDS2210				
2200	1000	600	PSS226	PCS2210	PDS2210				

^aAlso available with EMC shielding.

^bCatalog numbers shown in matrix are for doors with right-hand provision. Doors with left-hand and large cutout provisions also are available.

PROLINE® External Components

Selection Matrix: Doors, Covers, and Sides

 Double-Bay PROLINE Frame			 Solid Side	 Overlapping Solid Doors^d	 Solid Cover^c	 Solid Door^c	 Door with Polycarbonate Window^c	 Door with Glass Window^c	 Dress Frame^c	 Disconnect Door System^c
A	B	C								
700	1200	600	PSS76	PTD712	PCS76	PDS76R	PDW76	PDWG76	PDF76	
1600	1200	600	PSS166	PTD1612	PCS166	PDS166	PDW166	PDWG166	PDF166	
1600	1200	800	PSS168	PTD1612	PCS166	PDS166	PDW166	PDWG166	PDF166	
1800	1200	400	PSS184	PTD1812	PCS186	PDS186	PDW186	PDWG186	PDF186	
1800	1200	500	PSS185	PTD1812	PCS186	PDS186	PDW186	PDWG186	PDF186	
1800	1200	600	PSS186	PTD1812	PCS186	PDS186	PDW186	PDWG186	PDF186	
1800	1200	800	PSS188	PTD1812	PCS186	PDS186	PDW186	PDWG186	PDF186	
1800	1600	500	PSS185	PTD1816	PCS188	PDS188	PDW188	PDWG188		PTDDC188
1800	1600	600	PSS186	PTD1816	PCS188	PDS188	PDW188	PDWG188		PTDDC188
1800	1600	800	PSS188	PTD1816	PCS188	PDS188	PDW188	PDWG188		PTDDC188
2000	1200	400	PSS204	PTD2012	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	1200	500	PSS205	PTD2012	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	1200	600	PSS206	PTD2012	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	1200	800	PSS208	PTD2012	PCS206	PDS206	PDW206	PDWG206	PDF206	
2000	1600	500	PSS205	PTD2016	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2000	1600	600	PSS206	PTD2016	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2000	1600	800	PSS208	PTD2016	PCS208	PDS208	PDW208	PDWG208		PTDDC208
2200	1200	500	PSS225	PTD2212	PCS226	PDS225			PDF226	
2200	1200	600	PSS226	PTD2212	PCS226	PDS226	PDW226	PDWG226	PDF226	
2200	1200	800	PSS228	PTD2212	PCS226	PDS228	PDW228	PDWG228	PDF226	

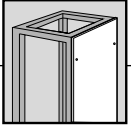
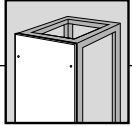
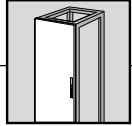
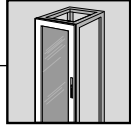
^cFits back of standard frame.

^dFits front of standard frame.

PROLINE® External Components

Selection Matrix: Doors, Covers, and Sides

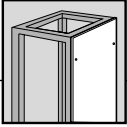
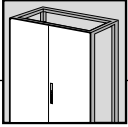
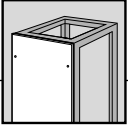
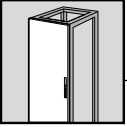
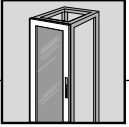
Component Selection Matrix Stainless Steel Sides, Covers, and Door Options

 Single-Bay PROLINE Frame			 Solid Side ^a	 Solid Cover ^a	 Solid Door ^a	 Door with Glass Window
A	B	C				
700	600	600	PSS76SS	PCS76SS	PDS76SS	PDWG76SS
700	800	600	PSS76SS	PCS78SS	PDS78SS	PDWG78SS
1400	600	600	PSS146SS	PCS146SS	PDS146SS	PDWG146SS
1400	800	500		PCS148SS	PDS148SS	
1400	800	800	PSS148SS	PCS148SS	PDS148SS	
1600	600	400		PCS166SS	PDS166SS	PDWG166SS
1600	600	600	PSS166SS	PCS166SS	PDS166SS	PDWG166SS
1600	600	800	PSS168SS	PCS166SS	PDS166SS	PDWG166SS
1600	800	600	PSS166SS	PCS168SS	PDS168SS	
1600	800	800	PSS168SS	PCS168SS	PDS168SS	
1800	600	600	PSS186SS	PCS186SS	PDS186SS	
1800	600	800	PSS188SS	PCS186SS	PDS186SS	
1800	700	900				
1800	800	400		PCS188SS	PDS188SS	PDWG188SS
1800	800	500		PCS188SS	PDS188SS	PDWG188SS
1800	800	600	PSS186SS	PCS188SS	PDS188SS	PDWG188SS
1800	800	800	PSS188SS	PCS188SS	PDS188SS	PDWG188SS
1800	1000	500		PCS1810SS	PDS1810SS	
1800	1000	600	PSS186SS	PCS1810SS	PDS1810SS	
1800	1000	800	PSS188SS	PCS1810SS	PDS1810SS	
2000	600	400		PCS206SS	PDS206SS	PDWG206SS
2000	400	500				
2000	600	500		PCS206SS	PDS206SS	PDWG206SS
2000	400	600	PSS206SS			
2000	600	600	PSS206SS	PCS206SS	PDS206SS	PDWG206SS
2000	600	800	PSS208SS	PCS206SS	PDS206SS	PDWG206SS
2000	700	600	PSS206SS			
2000	700	800	PSS208SS			
2000	800	400		PCS208SS	PDS208SS	PDWG208SS
2000	800	500		PCS208SS	PDS208SS	PDWG208SS
2000	800	600	PSS206SS	PCS208SS	PDS208SS	PDWG208SS
2000	800	800	PSS208SS	PCS208SS	PDS208SS	PDWG208SS
2000	800	900		PCS208SS	PDS208SS	PDWG208SS
2000	1000	500		PCS2010SS	PDS2010SS	
2000	1000	600	PSS206SS	PCS2010SS	PDS2010SS	
2000	1000	800	PSS208SS	PCS2010SS	PDS2010SS	
2200	600	600	PSS226SS	PCS226SS	PDS226SS	
2200	600	800	PSS228SS	PCS226SS	PDS226SS	
2200	700	800	PSS228SS			
2200	700	900				
2200	800	600	PSS226SS	PCS228SS	PDS228SS	PDWG228SS
2200	800	800	PSS228SS	PCS228SS	PDS228SS	PDWG228SS
2200	1000	500				
2200	1000	600	PSS226SS			

^aAlso available with EMC shielding.

PROLINE® External Components

Selection Matrix: Doors, Covers, and Sides

 Double-Bay PROLINE Frame			 Solid Side	 Overlapping Solid Doors^d	 Solid Cover^c	 Solid Door^c	 Door with Glass Window^c
A	B	C					
700	1200	600	PSS76SS		PCS76SS	PDS76SS	PDWG76SS
1600	1200	600	PSS166SS		PCS166SS	PDS166SS	PDWG166SS
1600	1200	800	PSS168SS		PCS166SS	PDS166SS	PDWG166SS
1800	1200	400			PCS186SS	PDS186SS	
1800	1200	500			PCS186SS	PDS186SS	
1800	1200	600	PSS186SS		PCS186SS	PDS186SS	
1800	1200	800	PSS188SS		PCS186SS	PDS186SS	
1800	1600	500			PCS188SS	PDS188SS	PDWG188SS
1800	1600	600	PSS186SS		PCS188SS	PDS188SS	PDWG188SS
1800	1600	800	PSS188SS		PCS188SS	PDS188SS	PDWG188SS
2000	1200	400		PTD2012SS	PCS206SS	PDS206SS	PDWG206SS
2000	1200	500		PTD2012SS	PCS206SS	PDS206SS	PDWG206SS
2000	1200	600	PSS206SS	PTD2012SS	PCS206SS	PDS206SS	PDWG206SS
2000	1200	800	PSS208SS	PTD2012SS	PCS206SS	PDS206SS	PDWG206SS
2000	1600	500			PCS208SS	PDS208SS	PDWG208SS
2000	1600	600	PSS206SS		PCS208SS	PDS208SS	PDWG208SS
2000	1600	800	PSS208SS		PCS208SS	PDS208SS	PDWG208SS
2200	1200	500		PTD2212SS	PCS226SS		
2200	1200	600	PSS226SS	PTD2212SS	PCS226SS		
2200	1200	800	PSS228SS	PTD2212SS	PCS226SS		

^cFits back of standard frame.

^dFits front of standard frame.

PROLINE® External Components

Selection Matrix: Door Accessories

Component Selection Matrix Accessories for Doors

		Window Doors, Polycarbonate														Window Doors, Safety Glass													
		PDW76	PDW78	PDW146	PDW148	PDW166	PDW168	PDW186	PDW188	PDW206	PDW207	PDW208	PDW226	PDW227	PDW228	PDWG76 ^b	PDWG78 ^b	PDGW146 ^b	PDWG148	PDWG166 ^b	PDWG168	PDWG186	PDWG188 ^b	PDWG206 ^b	PDWG207	PDWG208 ^b	PDWG226	PDWG227	PDWG228 ^b
	PFHKBL			•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
	PFHPBL			•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
	PFHDF			•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
	PFHDBL			•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
	PFBS			•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
	PSFBS	•	•													•	•			•									
	PFBSSS																	•					•	•		•			
	PSFBSSS																												
	PLHK			•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
	PSHKBL	•	•													•	•												
	PKOTM7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOTM8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOTM65	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOSM7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOSM8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOGBK3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOGB	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOATT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PKOGBK3SS													•	•	•	•					•	•			•		•	
	PSTM6																												
	ATRS DVR																												
	PH180	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	PDSK																	•	•	•	•	•	•	•	•	•	•	•	
	ADP1																												
	ADP2																												
	PDP6S																												
	PDP7S																												
	PDP8S																												
	PDP10S																												

^aFor use on solid sides and solid covers (all catalog numbers).

^bAdd "SS" to the catalog number for stainless steel.

[illegible]

PROLINE® External Components

Selection Matrix: Tops and Bases

Component Selection Matrix Top and Base Options

Single-Bay PROLINE Frames			Tops							Bases			
			Solid Top ^a		Vented Top ^{a, b}	Pagoda Top	Top w/Cutout for High Performance Pagoda ^a	Top Mount Air Conditioner ^b	0mm Solid Base ^a		100mm Solid Base ^a		
A	B	C	Steel	Stainless					Steel	Stainless	Steel	Stainless	
700	600	600	PT66	PT66SS	PVT3F66_	PPT66	PPTH66	PAC__T66	PB066	PB066SS	PB166	PB166SS	
700	800	600	PT86	PT86SS	PVT3F86_	PPT86	PPTH86	PAC__T86	PB086	PB086SS	PB186	PB186SS	
1400	600	600	PT66	PT66SS	PVT3F66_	PPT66	PPTH66	PAC__T66	PB066	PB066SS	PB166	PB166SS	
1400	800	500	PT85		PVT3F85_	PPT85	PPTH85	PAC__T85	PB085		PB185		
1400	800	800	PT88	PT88SS	PVT3F88_	PPT88	PPTH88	PAC__T88	PB088	PB088SS	PB188	PB188SS	
1600	600	400	PT64		PVT3F64_	PPT64		PAC__T64	PB064		PB164		
1600	600	600	PT66	PT66SS	PVT3F66_	PPT66	PPTH66	PAC__T64	PB066	PB066SS	PB166	PB166SS	
1600	600	800	PT68	PT68SS	PVT3F68_	PPT68	PPTH68	PAC__T68	PB068	PB068SS	PB168	PB168SS	
1600	800	600	PT86	PT86SS	PVT3F86_	PPT86	PPTH86	PAC__T86	PB086	PB086SS	PB186	PB186SS	
1600	800	800	PT88	PT88SS	PVT3F88_	PPT88	PPTH88	PAC__T88	PB088	PB088SS	PB188	PB188SS	
1800	600	600	PT66	PT66SS	PVT3F66_	PPT66	PPTH66	PAC__T66	PB066	PB066SS	PB166	PB166SS	
1800	600	800	PT68	PT68SS	PVT3F68_	PPT68	PPTH68	PAC__T68	PB068	PB068SS	PB168	PB168SS	
1800	800	400	PT84		PVT3F84_	PPT84		PAC__T84	PB084		PB184		
1800	800	500	PT85		PVT3F85_	PPT85	PPTH85	PAC__T85	PB085		PB185		
1800	800	600	PT86	PT86SS	PVT3F86_	PPT86	PPTH86	PAC__T86	PB086	PB086SS	PB186	PB186SS	
1800	800	800	PT88	PT88SS	PVT3F88_	PPT88	PPTH88	PAC__T88	PB088	PB088SS	PB188	PB188SS	
1800	1000	500	PT105			PPT105	PPTH105		PB0105		PB1105		
1800	1000	600	PT106	PT106SS		PPT106	PPTH106		PB0106	PB0106SS	PB1106	PB1106SS	
1800	1000	800	PT108	PT108SS		PPT108	PPTH108		PB0108	PB0108SS	PB1108	PB1108SS	
2000	600	400	PT64		PVT3F64_	PPT64		PAC__T64	PB064		PB1640		
2000	400	500	PT45						PB045		PB145		
2000	600	500	PT65		PVT3F65_	PPT65	PPTH65	PAC__T65	PB065		PB165		
2000	400	600	PT46						PB046		PB146		
2000	600	600	PT66	PT66SS	PVT3F66_	PPT66	PPTH66	PAC__T66	PB066	PB066SS	PB166	PB166SS	
2000	600	800	PT68	PT68SS	PVT3F68_	PPT68	PPTH68	PAC__T68	PB068	PB068SS	PB168	PB168SS	
2000	700	600	PT76		PVT3F76_	PPT76	PPTH76		PB076		PB176		
2000	700	800	PT78		PVT3F78_	PPT78	PPTH78		PB078		PB178		
2000	800	400	PT84		PVT3F84_	PPT84		PAC__T84	PB084		PB184		
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2000	800	600	PT86	PT86SS	PVT3F86_	PPT86	PPTH86	PAC__T86	PB086	PB086SS	PB186	PB186SS	
2000	800	800	PT88	PT88SS	PVT3F88_	PPT88	PPTH88	PAC__T88	PB088	PB088SS	PB188	PB188SS	
2000	800	900	PT89			PT89	PPTH89		PB089		PB189		
2000	1000	500	PT105			PT105	PPTH105		PB0105		PB1105		
2000	1000	600	PT106	PT106SS		PT106	PPTH106		PB0106	PB0106SS	PB1106	PB1106SS	
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2200	600	600	PT66	PT66SS	PVT3F66_	PPT66	PPTH66	PAC__T66	PB066	PB066SS	PB166	PB166SS	
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2200	700	800	PT78		PVT3F78_	PPT78	PPTH78		PB078		PB178		
2200	700	900	PT79		PVT3F79_	PPT79	PPTH79		PB079		PB179		
2200	800	600	PT86	PT86SS	PVT3F86_	PPT86	PPTH86	PAC__T86	PB086	PB086SS	PB186	PB186SS	
2200	800	800	PT88	PT88SS	PVT3F88_	PPT88	PPTH88	PAC__T88	PB088	PB088SS	PB188	PB188SS	
2200	1000	500	PT105			PPT105	PPTH105		PB0105		PB1105		
2200	1000	600	PT106	PT106SS		PPT106	PPTH106		PB0106	PB0106SS	PB1106	PB1106SS	

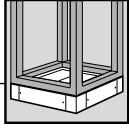
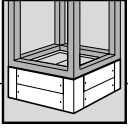
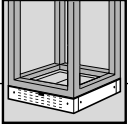
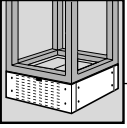
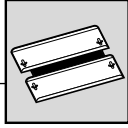
^aAlso available with EMC shielding.

^bSee Thermal Management chapter for selection.

^cTwo covers required for 200mm vented plinth base covers.

PROLINE® External Components

Selection Matrix: Tops and Bases

Bases				Gland Plates	Single-Bay PROLINE Frames		
							
100mm Plinth Base	200mm Plinth Base	100mm Vented Plinth Base Covers ^a	200mm Vented Plinth Base Covers ^{a,c}	Gland Plate for Rack Angles	A	B	C
PPB166	PPB266	PPBCV1600	PPBCV1600	PGP66ARA	700	600	600
PPB186	PPB286	PPBCV1800	PPBCV1800	PGP86ARA	700	800	600
PPB166	PPB266	PPBCV1600	PPBCV1600	PGP66ARA	1400	600	600
PPB185	PPB285	PPBCV1800	PPBCV1800	PGP85ARA	1400	800	500
PPB188	PPB288	PPBCV1800	PPBCV1800	PGP88ARA	1400	800	800
PPB164	PPB264			PGP64ARA	1600	600	400
PPB166	PPB266	PPBCV1600	PPBCV1600	PGP66ARA	1600	600	600
PPB168	PPB268	PPBCV1600	PPBCV1600	PGP68ARA	1600	600	800
PPB186	PPB286	PPBCV1800	PPBCV1800	PGP86ARA	1600	800	600
PPB188	PPB288	PPBCV1800	PPBCV1800	PGP88ARA	1600	800	800
PPB166	PPB266	PPBCV1600	PPBCV1600	PGP66ARA	1800	600	600
PPB168	PPB268	PPBCV1600	PPBCV1600	PGP68ARA	1800	600	800
PPB184	PPB284			PGP84ARA	1800	800	400
PPB185	PPB285	PPBCV1800	PPBCV1800	PGP85ARA	1800	800	500
PPB186	PPB286	PPBCV1800	PPBCV1800	PGP86ARA	1800	800	600
PPB188	PPB288	PPBCV1800	PPBCV1800	PGP88ARA	1800	800	800
PPB1105	PPB2105	PPBCV11000	PPBCV11000	PGP105ARA	1800	1000	500
PPB1106	PPB2106	PPBCV11000	PPBCV11000	PGP106ARA	1800	1000	600
PPB1108	PPB2108	PPBCV11000	PPBCV11000	PGP108ARA	1800	1000	800
PPB164	PPB264			PGP64ARA	2000	600	400
PPB145	PPB245				2000	400	500
PPB165	PPB265	PPBCV1600	PPBCV1600	PGP65ARA	2000	600	500
PPB146	PPB246				2000	400	600
PPB166	PPB266	PPBCV1600	PPBCV1600	PGP66ARA	2000	600	600
PPB168	PPB268	PPBCV1600	PPBCV1600	PGP68ARA	2000	600	800
PPB178	PPB278	PPBCV1700	PPBCV1700	PGP78ARA	2000	700	600
PPB179	PPB279	PPBCV1700	PPBCV1700	PGP79ARA	2000	700	800
PPB184	PPB284			PGP84ARA	2000	800	400
PPB185	PPB285	PPBCV1800	PPBCV1800	PGP85ARA	2000	800	500
PPB186	PPB286	PPBCV1800	PPBCV1800	PGP86ARA	2000	800	600
PPB188	PPB288	PPBCV1800	PPBCV1800	PGP88ARA	2000	800	800
PPB189	PPB289	PPBCV1800	PPBCV1800	PGP89ARA	2000	800	900
PPB1105	PPB2105	PPBCV11000	PPBCV11000	PGP105ARA	2000	1000	500
PPB1106	PPB2106	PPBCV11000	PPBCV11000	PGP106ARA	2000	1000	600
PPB1108	PPB2108	PPBCV11000	PPBCV11000	PGP108ARA	2000	1000	800
PPB166	PPB266	PPBCV1600	PPBCV1600	PGP66ARA	2200	600	600
PPB168	PPB268	PPBCV1600	PPBCV1600	PGP68ARA	2200	600	800
PPB178	PPB278	PPBCV1700	PPBCV1700	PGP78ARA	2200	700	800
PPB179	PPB279	PPBCV1700	PPBCV1700	PGP79ARA	2200	700	900
PPB186	PPB286	PPBCV1800	PPBCV1800	PGP86ARA	2200	800	600
PPB188	PPB288	PPBCV1800	PPBCV1800	PGP88ARA	2200	800	800
PPB1105	PPB2105	PPBCV11000	PPBCV11000	PGP105ARA	2200	1000	500
PPB1106	PPB2106	PPBCV11000	PPBCV11000	PGP106ARA	2200	1000	600

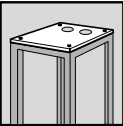
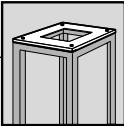
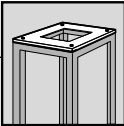
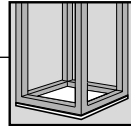
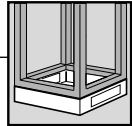
^aAlso available with EMC shielding.

^cTwo covers required for 200mm vented plinth base covers.

PROLINE® External Components

Selection Matrix: Tops and Bases

Component Selection Matrix Top and Base Options

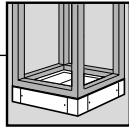
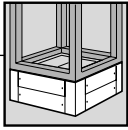
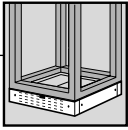
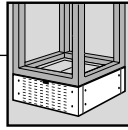
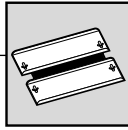
 Double-Bay PROLINE Frames			Tops^a				Bases			
			 Solid Top		 Pagoda Top	 Top w/Cutout for High Performance Pagoda	 0mm Solid Base	 100mm Solid Base ^b		
A	B	C	Steel	Stainless			Steel	Stainless	Steel	Stainless
700	1200	600	PT126	PT126SS	PPT126	PPTH126	PB0126	PB0126SS	PB1126	PB1126SS
1600	1200	600	PT126	PT126SS	PPT126	PPTH126	PB0126	PB0126SS	PB1126	PB1126SS
1600	1200	800	PT128	PT128SS	PPT128	PPTH128	PB0128	PB0128SS	PB1128	PB1128SS
1800	1200	400	PT124		PPT124		PB0124		PB1124	
1800	1200	500	PT125		PPT125	PPTH125	PB0125		PB1125	
1800	1200	600	PT126	PT126SS	PPT126	PPTH126	PB0126	PB0126SS	PB1126	PB1126SS
1800	1200	800	PT128	PT128SS	PPT128	PPTH128	PB0128	PB0128SS	PB1128	PB1128SS
1800	1600	500	PT165		PPT165	PPTH165	PB0165		PB1165	
1800	1600	600	PT166		PPT166	PPTH166	PB0166		PB1166	
1800	1600	800	PT168		PPT168	PPTH168	PB0168		PB1168	
2000	1200	400	PT124		PPT124		PB0124		PB1124	
2000	1200	500	PT125		PPT125	PPTH125	PB0125		PB1125	
2000	1200	600	PT126	PT126SS	PPT126	PPTH126	PB0126	PB0126SS	PB1126	PB1126SS
2000	1200	800	PT128	PT128SS	PPT128	PPTH128	PB0128	PB0128SS	PB1128	PB1128SS
2000	1600	500	PT165		PPT165	PPTH165	PB0165		PB1165	
2000	1600	600	PT166		PPT166	PPTH166	PB0166		PB1166	
2000	1600	800	PT168		PPT168	PPTH168	PB0168		PB1168	
2200	1200	500	PT125		PPT125	PPTH125	PB0125		PB1125	
2200	1200	600	PT126	PT126SS	PPT126	PPTH126	PB0126	PB0126SS	PB1126	PB1126SS
2200	1200	800	PT128	PT128SS	PPT128	PPTH128	PB0128	PB0128SS	PB1128	PB1128SS

^aAir conditioner tops PTAC126, PTAC128, PTAC166, and PTAC168 are available for mounting single-bay Top Mount Air Conditioners on double-bay frames.

^b100mm solid bases for single-bay frames will fit double-bay frames. Must order two bases for each application.

PROLINE® External Components

Selection Matrix: Tops and Bases

Bases				Gland Plate	Double-Bay PROLINE Frames		
							
Plinth Base 100mm	200mm Plinth Base	100mm Vented Plinth Base Covers ^a	200mm Vented Plinth Base Covers ^{a,b}	Gland Plate for Rack Angles	A	B	C
PPB1126	PPB2126	PPBCV11200	PPBCV11200	PGP66ARA	700	1200	600
PPB1126	PPB2126	PPBCV11200	PPBCV11200	PGP66ARA	1600	1200	600
PPB1128	PPB2128	PPBCV11200	PPBCV11200	PGP68ARA	1600	1200	800
PPB1124	PPB2124	PPBCV11200	PPBCV11200	PGP64ARA	1800	1200	400
PPB1125	PPB2125	PPBCV11200	PPBCV11200	PGP65ARA	1800	1200	500
PPB1126	PPB2126	PPBCV11200	PPBCV11200	PGP66ARA	1800	1200	600
PPB1128	PPB2128	PPBCV11200	PPBCV11200	PGP68ARA	1800	1200	800
PPB1165	PPB2165	PPBCV11600	PPBCV11600	PGP85ARA	1800	1600	500
PPB1166	PPB2166	PPBCV11600	PPBCV11600	PGP86ARA	1800	1600	600
PPB1168	PPB2168	PPBCV11600	PPBCV11600	PGP88ARA	1800	1600	800
PPB1124	PPB2124	PPBCV11200	PPBCV11200	PGP64ARA	2000	1200	400
PPB1125	PPB2125	PPBCV11200	PPBCV11200	PGP65ARA	2000	1200	500
PPB1126	PPB2126	PPBCV11200	PPBCV11200	PGP66ARA	2000	1200	600
PPB1128	PPB2128	PPBCV11200	PPBCV11200	PGP68ARA	2000	1200	800
PPB1165	PPB2165	PPBCV11600	PPBCV11600	PGP85ARA	2000	1600	500
PPB1166	PPB2166	PPBCV11600	PPBCV11600	PGP86ARA	2000	1600	600
PPB1168	PPB2168	PPBCV11600	PPBCV11600	PGP88ARA	2000	1600	800
PPB1125	PPB2125	PPBCV11200	PPBCV11200	PGP65ARA	2200	1200	500
PPB1126	PPB2126	PPBCV11200	PPBCV11200	PGP66ARA	2200	1200	600
PPB1128	PPB2128	PPBCV11200	PPBCV11200	PGP68ARA	2200	1200	800

^aUse with a standard plinth base.

^bTwo covers required for 200mm vented plinth base covers.

PROLINE® Internal Components

Selection Matrix: Panel and Grid Mounting

Component Selection Matrix Panel and Grid Mounting Systems

													
													
Single-Bay PROLINE Frame			Full Subpanel ^a	Swing-Out Panel ^f	Center Upright ^b	Transformer Rails ^e	Grid Strap ^c		Grid Strap ^d		Full Height Vertical Grid Strap	Lutze® Adapter	Frame Shelf
A	B	C					One Row	Three Row	One Row	Three Row			
700	600	600	PF76	PSF76		PTR6	PGH1S6	PGH3S6	PGH1S7	PGH3S7	PGH3S7V	PGLS6	PFSH66
700	800	600	PF78	PSF78	PCU7	PTR8	PGH1S6	PGH3S6	PGH1S9	PGH3S9	PGH3S7V	PGLS6	PFSH86
1400	600	600	PPF146	PSP146		PTR6	PGH1S6	PGH3S6	PGH1S7	PGH3S7	PGH3S14V	PGLS6	PFSH66
1400	600	800	PPF146	PSP146		PTR6	PGH1S8	PGH3S8	PGH1S7	PGH3S7	PGH3S14V	PGLS8	PFSH68
1400	800	500	PPF148	PSP148	PCU14	PTR8	PGH1S5	PGH3S5	PGH1S9	PGH3S9	PGH3S14V	PGLS5	PFSH85
1400	800	800	PPF148	PSP148	PCU14	PTR8	PGH1S8	PGH3S8	PGH1S9	PGH3S9	PGH3S14V	PGLS8	PFSH88
1600	600	400	PPF166	PSP166		PTR6	PGH1S4	PGH3S4	PGH1S7	PGH3S7	PGH3S16V	PGLS4	PFSH64
1600	600	600	PPF166	PSP166		PTR6	PGH1S6	PGH3S6	PGH1S7	PGH3S7	PGH3S16V	PGLS6	PFSH66
1600	600	800	PPF166	PSP166		PTR6	PGH1S8	PGH3S8	PGH1S7	PGH3S7	PGH3S16V	PGLS8	PFSH68
1600	800	600	PPF168	PSP168	PCU16	PTR8	PGH1S6	PGH3S6	PGH1S9	PGH3S9	PGH3S16V	PGLS6	PFSH86
1600	800	800	PPF168	PSP168	PCU16	PTR8	PGH1S8	PGH3S8	PGH1S9	PGH3S9	PGH3S16V	PGLS8	PFSH88
1800	600	400	PPF186	PSP186		PTR6	PGH1S4	PGH3S4	PGH1S7	PGH3S7	PGH3S18V	PGLS4	PFSH64
1800	600	500	PPF186	PSP186		PTR6	PGH1S5	PGH3S5	PGH1S7	PGH3S7	PGH3S18V	PGLS5	PFSH65
1800	600	600	PPF186	PSP186		PTR6	PGH1S6	PGH3S6	PGH1S7	PGH3S7	PGH3S18V	PGLS6	PFSH66
1800	600	800	PPF186	PSP186		PTR6	PGH1S8	PGH3S8	PGH1S7	PGH3S7	PGH3S18V	PGLS8	PFSH68
1800	800	400	PPF188	PSP188	PCU18	PTR8	PGH1S4	PGH3S4	PGH1S9	PGH3S9	PGH3S18V	PGLS4	PFSH84
1800	800	500	PPF188	PSP188	PCU18	PTR8	PGH1S5	PGH3S5	PGH1S9	PGH3S9	PGH3S18V	PGLS5	PFSH85
1800	800	600	PPF188	PSP188	PCU18	PTR8	PGH1S6	PGH3S6	PGH1S9	PGH3S9	PGH3S18V	PGLS6	PFSH86
1800	800	800	PPF188	PSP188	PCU18	PTR8	PGH1S8	PGH3S8	PGH1S9	PGH3S9	PGH3S18V	PGLS8	PFSH88
1800	1000	500	PPF1810		PCU18		PGH1S5	PGH3S5	PGH1S11	PGH3S11	PGH3S18V	PGLS5	PFSH105
1800	1000	600	PPF1810		PCU18		PGH1S6	PGH3S6	PGH1S11	PGH3S11	PGH3S18V	PGLS6	PFSH106
1800	1000	800	PPF1810		PCU18		PGH1S8	PGH3S8	PGH1S11	PGH3S11	PGH3S18V	PGLS8	PFSH108
2000	400	500	PPF204			PTR8	PGH1S5	PGH3S5			PGH3S20V	PGLS5	
2000	400	600	PPF204			PTR8	PGH1S6	PGH3S6			PGH3S20V	PGLS6	
2000	600	400	PPF206	PSP206		PTR6	PGH1S4	PGH3S4	PGH1S7	PGH3S7	PGH3S20V	PGLS4	PFSH64
2000	600	500	PPF206	PSP206		PTR6	PGH1S5	PGH3S5	PGH1S7	PGH3S7	PGH3S20V	PGLS5	PFSH65
2000	600	600	PPF206	PSP206		PTR6	PGH1S6	PGH3S6	PGH1S7	PGH3S7	PGH3S20V	PGLS6	PFSH66
2000	600	800	PPF206	PSP206		PTR6	PGH1S8	PGH3S8	PGH1S7	PGH3S7	PGH3S20V	PGLS8	PFSH68
2000	700	600	PPF207	PSP207			PGH1S6	PGH3S6	PGH1S8	PGH3S8	PGH3S20V	PGLS6	PFSH76
2000	700	800	PPF207	PSP207			PGH1S8	PGH3S8	PGH1S8	PGH3S8	PGH3S20V	PGLS8	PFSH78
2000	800	400	PPF208	PSP207	PCU20	PTR8	PGH1S4	PGH3S4	PGH1S9	PGH3S9	PGH3S20V	PGLS4	PFSH84
2000	800	500	PPF208	PSP208	PCU20	PTR8	PGH1S5	PGH3S5	PGH1S9	PGH3S9	PGH3S20V	PGLS5	PFSH85
2000	800	600	PPF208	PSP208	PCU20	PTR8	PGH1S6	PGH3S6	PGH1S9	PGH3S9	PGH3S20V	PGLS6	PFSH86
2000	800	800	PPF208	PSP208	PCU20	PTR8	PGH1S8	PGH3S8	PGH1S9	PGH3S9	PGH3S20V	PGLS8	PFSH88
2000	800	900	PPF208	PSP208	PCU20	PTR8	PGH1S9	PGH3S9	PGH1S9	PGH3S9	PGH3S20V		PFSH89
2000	1000	500	PPF2010		PCU20		PGH1S5	PGH3S5	PGH1S11	PGH3S11	PGH3S20V	PGLS5	PFSH105
2000	1000	600	PPF2010		PCU20		PGH1S6	PGH3S6	PGH1S11	PGH3S11	PGH3S20V	PGLS6	PFSH106
2000	1000	800	PPF2010		PCU20		PGH1S8	PGH3S6	PGH1S11	PGH3S11	PGH3S20V	PGLS8	PFSH108
2200	600	600	PPF226	PSP226		PTR6	PGH1S6	PGH3S6	PGH1S7	PGH3S7	PGH3S22V	PGLS6	PFSH66
2200	600	800	PPF226	PSP226		PTR6	PGH1S8	PGH3S8	PGH1S7	PGH3S7	PGH3S22V	PGLS8	PFSH68
2200	700	800	PPF227	PSP227			PGH1S8	PGH3S8	PGH1S8	PGH3S8	PGH3S22V	PGLS8	PFSH78
2200	700	900	PPF227	PSP227			PGH1S9	PGH3S9	PGH1S8	PGH3S8	PGH3S22V		PFSH79
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2200	800	800	PPF228	PSP228	PCU22	PTR8	PGH1S8	PGH3S8	PGH1S9	PGH3S9	PGH3S22V	PGLS8	PFSH88
2200	1000	500	PPF2210		PCU22		PGH1S5	PGH3S5	PGH1S11	PGH3S11	PGH3S22V	PGLS5	PFSH105
2200	1000	600	PPF2210		PCU22		PGH1S6	PGH3S6	PGH1S11	PGH3S11	PGH3S22V	PGLS6	PFSH106

PROLINE® Internal Components

Selection Matrix: Panel and Grid Mounting

 Double-Bay PROLINE Frame			 Full Subpanel^a	 Swing-Out Panel^f	 Center Upright^b	 Transformer Rails^e	 Grid Strap^c One Row		 Grid Strap^d Three Row		 Full Height Vertical Grid Strap	 Lutze® Adapter	 Frame Shelf
A	B	C											
700	1200	600	PPF712	PSP76	PCU7	PTR6 or PTR12	PGH1S6	PGH3S6	PGH1S13	PGH3S13	PGH3S7V	PGLS6	PFSH66
1600	1200	600	PPF1612	PSP166	PCU16	PTR6 or PTR12	PGH1S6	PGH3S6	PGH1S13	PGH3S13	PGH3S16V	PGLS6	PFSH66
1600	1200	800	PPF1612	PSP166	PCU16	PTR6 or PTR12	PGH1S8	PGH3S8	PGH1S13	PGH3S13	PGH3S16V	PGLS8	PFSH68
1800	1200	400	PPF1812	PSP186	PCU18	PTR6 or PTR12	PGH1S4	PGH3S4	PGH1S13	PGH3S13	PGH3S18V	PGLS4	PFSH64
1800	1200	500	PPF1812	PSP186	PCU18	PTR6 or PTR12	PGH1S5	PGH3S5	PGH1S13	PGH3S13	PGH3S18V	PGLS5	PFSH65
1800	1200	600	PPF1812	PSP186	PCU18	PTR6 or PTR12	PGH1S6	PGH3S6	PGH1S13	PGH3S13	PGH3S18V	PGLS6	PFSH66
1800	1200	800	PPF1812	PSP186	PCU18	PTR6 or PTR12	PGH1S8	PGH3S8	PGH1S13	PGH3S13	PGH3S18V	PGLS8	PFSH68
1800	1600	500	PPF1816	PSP188	PCU18	PTR8	PGH1S5	PGH3S5	PGH1S17	PGH3S17	PGH3S18V	PGLS5	PFSH85
1800	1600	600	PPF1816	PSP188	PCU18	PTR8	PGH1S6	PGH3S6	PGH1S17	PGH3S17	PGH3S18V	PGLS6	PFSH86
1800	1600	800	PPF1816	PSP188	PCU18	PTR8	PGH1S8	PGH3S8	PGH1S17	PGH3S17	PGH3S18V	PGLS8	PFSH88
2000	1200	500	PPF2012	PSP206	PCU20	PTR6 or PTR12	PGH1S5	PGH3S5	PGH1S13	PGH3S13	PGH3S20V	PGLS5	PFSH65
2000	1200	600	PPF2012	PSP206	PCU20	PTR6 or PTR12	PGH1S6	PGH3S6	PGH1S13	PGH3S13	PGH3S20V	PGLS6	PFSH66
2000	1200	800	PPF2012	PSP206	PCU20	PTR6 or PTR12	PGH1S8	PGH3S8	PGH1S13	PGH3S13	PGH3S20V	PGLS8	PFSH68
2000	1600	500	PPF2016	PSP208	PCU20	PTR8	PGH1S5	PGH3S5	PGH1S17	PGH3S17	PGH3S20V	PGLS5	PFSH85
2000	1600	600	PPF2016	PSP208	PCU20	PTR8	PGH1S6	PGH3S6	PGH1S17	PGH3S17	PGH3S20V	PGLS6	PFSH86
2000	1600	800	PPF2016	PSP208	PCU20	PTR8	PGH1S8	PGH3S8	PGH1S17	PGH3S17	PGH3S20V	PGLS8	PFSH88
2200	1200	500	PPF2212	PSP226	PCU22	PTR6 or PTR12	PGH1S5	PGH3S5	PGH1S13	PGH3S13	PGH3S22V	PGLS5	PFSH65
2200	1200	600	PPF2212	PSP226	PCU22	PTR6 or PTR12	PGH1S6	PGH3S6	PGH1S13	PGH3S13	PGH3S22V	PGLS6	PFSH66
2200	1200	800	PPF2212	PSP226	PCU22	PTR6 or PTR12	PGH1S8	PGH3S8	PGH1S13	PGH3S13	PGH3S22V	PGLS8	PFSH68

^a Mount to top and bottom of frame. Glide blocks position subpanel on frame bottom. Maximum size subpanel shown in chart.

^b Center uprights are used in 800mm wide, 1200mm wide, and 1600mm wide frames to allow mounting of accessories for 600mm frames. These accessories include partial panels, swing-out panels, rack angles, rack angle accessories, and grid system components.

^c Grid system straps fit horizontally from front to back on frame top and bottom openings.

^d Grid straps and transformer rails fit horizontally from right to left between grid straps or holes in frame.

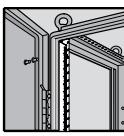
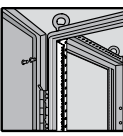
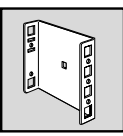
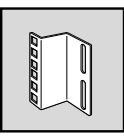
^e Use clamping nut package catalog number APS1420CN (1/4 - 20) or catalog number APS1618CN (5/16 - 18) for additional mounting options.

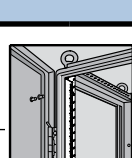
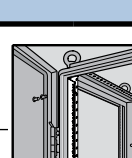
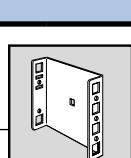
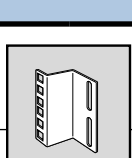
^f Requires center upright to install.

PROLINE® Internal Components

Selection Matrix: Rack Mounting

Component Selection Matrix Rack Mounting

												Rack Angles Available
Single-Bay Frames		19" Full Height Rack Angles ^a		24" Full Height Rack Angles ^b		Frame Reducing Brackets				Frame Accessory Brackets ^b		
H	W	Square Hole	Tapped	Square Hole	Tapped	19" Centered	19" Justified	24" Centered	24" Justified	19"	24"	
700	600	PRA197TH	PRA197TP							PFB19		19"
700	800	PRA197TH	PRA197TP	PRA247TH	PRA247TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
1400	600	PRA1914TH	PRA1914TP							PFB19		19"
1400	800	PRA1914TH	PRA1914TP	PRA2414TH	PRA2414TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
1600	600	PRA1916TH	PRA1916TP							PFB19		19"
1600	700	PRA1916TH	PRA1916TP	PRA2416TH	PRA2416TP			PRB50	PRB100	PFB19	PFB24	19", 24"
1600	800	PRA1916TH	PRA1916TP	PRA2416TH	PRA2416TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
1800	600	PRA1918TH	PRA1918TP							PFB19		19"
1800	700	PRA1918TH	PRA1918TP	PRA2418TH	PRA2418TP			PRB50	PRB100	PFB19	PFB24	19", 24"
1800	800	PRA1918TH	PRA1918TP	PRA2418TH	PRA2418TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
1800	1000	PRA1918TH	PRA1918TP	PRA2418TH	PRA2418TP		PRB200		PRB100 & PRB50	PFB19	PFB24	19", 24"
2000	600	PRA1920TH	PRA1920TP							PFB19		19"
2000	700	PRA1920TH	PRA1920TP	PRA2420TH	PRA2420TP			PRB50	PRB100	PFB19	PFB24	19", 24"
2000	800	PRA1920TH	PRA1920TP	PRA2420TH	PRA2420TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
2000	1000	PRA1920TH	PRA1920TP	PRA2420TH	PRA2420TP		PRB200		PRB100 & PRB50	PFB19	PFB24	19", 24"
2200	600	PRA1922TH	PRA1922TP							PFB19		19"
2200	700	PRA1922TH	PRA1922TP	PRA2422TH	PRA2422TP			PRB50	PRB100	PFB19	PFB24	19", 24"
2200	800	PRA1922TH	PRA1922TP	PRA2422TH	PRA2422TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
2200	1000	PRA1922TH	PRA1922TP	PRA2422TH	PRA2422TP		PRB200		PRB100 & PRB50	PFB19	PFB24	19", 24"

												Rack Angles Available
Double-Bay Frames		19" Full Height Rack Angles ^a		24" Full Height Rack Angles ^b		Frame Reducing Brackets				Frame Accessory Brackets ^b		
H	W	Square Hole	Tapped	Square Hole	Tapped	19" Centered	19" Justified	24" Centered	24" Justified	19"	24"	
700	1200	PRA197TH	PRA197TP							PPB19		19"
1400	1200	PRA1914TH	PRA1914TP							PFB19		19"
1600	1200	PRA1916TH	PRA1916TP							PFB19		19"
1800	1200	PRA1918TH	PRA1918TP							PFB19		19"
1800	1600	PRA1918TH	PRA1918TP	PRA2418TH	PRA2418TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
2000	1200	PRA1920TH	PRA1920TP							PFB19		19"
2000	1600	PRA1920TH	PRA1920TP	PRA2420TH	PRA2420TP	PRB100	PRB200	PRB50	PRB100	PFB19	PFB24	19", 24"
2200	1200	PRA1922TH	PRA1922TP							PFB19		19"

^a19" rack angles have 23" spacing if used in a 700mm wide frame.

^b24" rack angles and frame accessory brackets are designed for 700mm wide enclosures. They can be used in 800mm and 1000mm wide enclosures only if frame reducing brackets also are ordered.

PROLINE® Internal Components

Selection Matrix: Rack Mounting

Rack Accessories, 19-inch

Accessory	Fits Frame Depth	Fits Accessory	Rack Units Req'd
Drawer			
P19DR1US	600-900		1U
P19DR2US	600-900		2U
P19DR3US	600-900		3U
Writing Surface			
P19WS		Drawer	
Pull-Out Shelf			
P19PSH4	400-900		2U
P19PSH5	500-900		2U
P19PSH6	600-900		2U
P19PSH8	800-900		2U
P19PSH9	900		2U
Pull-Out Shelf Lock			
PSHLOCK		Pull-Out Shelf	
Screw Package			
AS1032		Rack Angles	
ASM5		Rack Angles	
Cage Nut Package			
P1032CN		Rack Angles	
PM5CN		Rack Angles	
Fixed Shelf			
P19SH4	400-900		1U
P19SH5	500-900		1U
P19SH6	600-900		1U
P19SH8	800-900		1U
P19SH9	900		1U
Guides			
PG4	400		1U
PG5	500		1U
PG6	600		1U
PG7	700		1U
PG8	800		1U
PG9	900		1U
Slides			
A16SL2U	600-900		3U

Rack Accessories, 19-inch

Accessory	Fits Accessory	Rack Units Req'd
Rack Panels Aluminum		
P19RP1UA		1U
P19RP2UA		2U
P19RP3UA		3U
P19RP4UA		4U
P19RP5UA		5U
P19RP6UA		6U
P19RP7UA		7U
P19RP8UA		8U
P19RP9UA		9U
P19RP10UA		10U
P19RP11UA		11U
P19RP12UA		12U
P19RP16A		16U
Rack Panels, Painted Steel		
P19RP1UP		1U
P19RP2UP		2U
P19RP3UP		3U
P19RP4UP		4U
P19RP5UP		5U
P19RP6UP		6U
P19RP7UP		7U
P19RP8UP		8U
P19RP9UP		9U
P19RP10UP		10U
P19RP11UP		11U
P19RP12UP		12U
P19RP16UP		16U
Filler Panel		
PFP19RA	Rack Angles	
Keyboard Compartment		
A19KBC2		2U
Fan Tray		
A19FT3		1U
A19FT6		1U

Rack Accessories, 24-inch

Accessory	Fits Frame Depth	Fits Accessory	Rack Units Req'd
Pull-Out Shelf			
P24PSH4	400-900		2U
P24PSH5	500-900		2U
P24PSH6	600-900		2U
P24PSH8	800-900		2U
P24PSH9	900		2U
Pull-Out Shelf Lock			
PSHLOCK		Pull-Out Shelf	
Screw Package			
AS1032		Rack Angles	
ASM5		Rack Angles	
Cage Nut Package			
P1032CN		Rack Angles	
PM5CN		Rack Angles	
Fixed Shelf			
P24SH4	400-900		1U
P24SH5	500-900		1U
P24SH6	600-900		1U
P24SH8	800-900		1U
P24SH9	900		1U
Guides			
PG4	400-500		1U
PG5	500-900		1U
PG6	600-900		1U
PG7	700-900		1U
PG8	800-900		1U
PG9	900		1U
Rack Panels, Painted Steel			
P24RP2UP			2U
P24RP3UP			3U
P24RP4UP			4U
P24RP5UP			5U
P24RP6UP			6U
P24RP8UP			8U
Rack Panels, Aluminum			
P24RP2UA			2U
P24RP3UA			3U
P24RP4UA			4U
P24RP5UA			5U
P24RP6UA			6U
P24RP8UA			8U

Rack Accessories, 23-inch

Accessory	Fits Frame Depth	Fits Accessory	Rack Units Req'd
Pull-Out Shelf			
P23PSH5	500-900		
P23PSH6	600-900		
P23PSH8	800-900		
P23PSH9	900		
Pull-Out Shelf Lock			
PSHLOCK		Pull-Out Shelf	
Screw Package			
AS1032		Rack Angles	
		Rack Panels	
ASM5		Rack Angles	
		Rack Panels	
ES1224		Rack Panels	
Fixed Shelf			
P23SH4	400-900		1U
P23SH5	500-900		1U
P23SH6	600-900		1U
P23SH8	800-900		1U
P23SH9	900		1U

Accessory	Fits Frame Depth	Fits Accessory	Rack Units Req'd
Guides			
PG4	400-500		1U
PG5	500-900		1U
PG6	600-900		1U
PG7	700-900		1U
PG8	800-900		1U
PG9	900		1U
Rack Panels, Painted Steel			
P23RP1UP			1U
P23RP2UP			2U
P23RP3UP			3U
P23RP4UP			4U
Rack Panels, Aluminum			
P23RP1UA			1U
P23RP2UA			2U
P23RP3UA			3U
P23RP4UA			4U

Application

PROLINE Industrial Packages offer a full-featured, ready-to-use solution for protecting sensitive electronics in an industrial environment. The packages include a frame, solid front door, solid rear door, solid top, gland plate, lifting eyes, and a full subpanel.

Construction

- Frames are a roll-formed, robotically welded design made of 12 gauge steel with solid steel, fully welded corners
- External sides, covers, and doors are 16 or 14 gauge steel
- Standard door bars increase strength and rigidity and allow for an extra mounting surface
- Seamless foam-in-place gasket provides a watertight, dusttight seal against moisture and contaminants
- Gasket and patented latching system together ensure a solid seal with low closure force
- Solid front doors equipped with a patented PROLINE latching system and keylocking flush swing handle
- Integral frame channels support the full weight of the subpanels
- Galvanized full subpanel
- Frames accommodate the 25mm DIN standard and include rectangular holes for clip nuts and thru holes for use with thread-forming screws

Finish

Enclosure finish is RAL 7035 textured light gray polyester powder paint with black accent color of RAL 9005 textured polyester powder paint.

Industry Standards

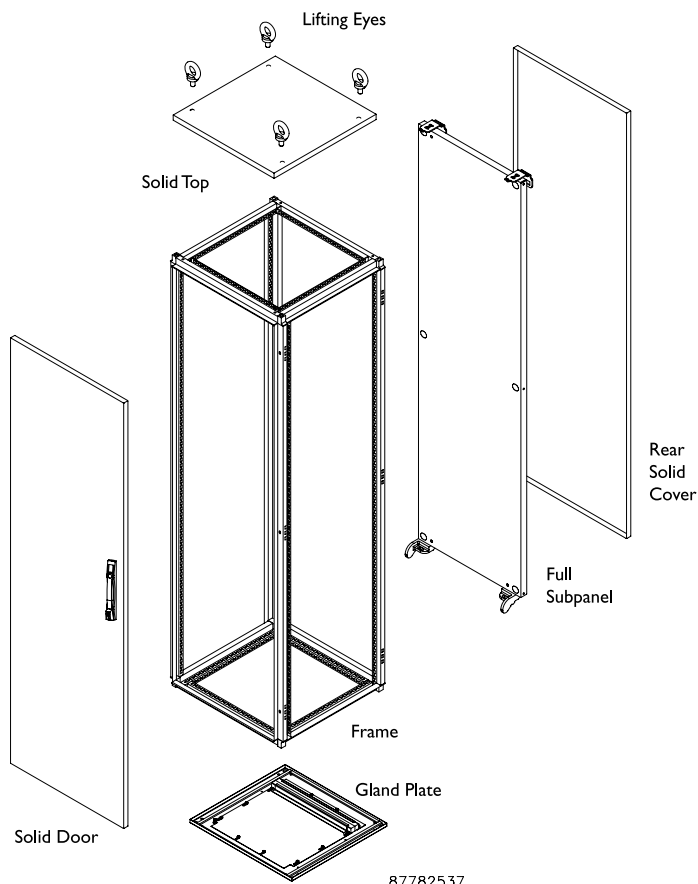
UL 508A, File Number E61997: Type 12
NEMA/EEMAC Type 12
CSA File Number 42186: Type 12
VDE IP55
IEC 60529, IP55

Patents

This product is covered by the following patent.
US 5,642,909

Accessories

A full selection of accessories is available.



Standard Configuration	
☐	Frame
☐	Solid Door
☐	Solid Top
☐	Rear Solid Cover
☐	Gland Plate
☐	Full Subpanel
☐	Lifting Eyes

PROLINE® Industrial Packages

Standard Sizes PROLINE Industrial Packages

Catalog Number	A x B x C mm (in.)
PP1466	1400 x 600 x 600 (55.12 x 23.62 x 23.62)
PP1485	1400 x 800 x 500 (55.12 x 31.5 x 19.69)
PP1666	1600 x 600 x 600 (62.99 x 23.62 x 23.62)
PP1668	1600 x 600 x 800 (62.99 x 23.62 x 31.50)
PP1686	1600 x 800 x 600 (62.99 x 31.5 x 23.62)
PP1688	1600 x 800 x 800 (62.99 x 31.50 x 31.50)
PP16126	1600 x 1200 x 600 (62.99 x 47.24 x 23.62)
PP16128	1600 x 1200 x 800 (62.99 x 47.24 x 31.50)
PP1866	1800 x 600 x 600 (70.87 x 23.62 x 23.62)
PP1868	1800 x 600 x 800 (70.87 x 23.62 x 31.50)
PP1885	1800 x 800 x 500 (70.87 x 31.50 x 19.69)
PP1886	1800 x 800 x 600 (70.87 x 31.50 x 23.62)
PP1888	1800 x 800 x 800 (70.87 x 31.50 x 31.50)
PP18105	1800 x 1000 x 500 (70.87 x 39.37 x 19.69)
PP18106	1800 x 1000 x 600 (70.87 x 39.37 x 23.62)
PP18108	1800 x 1000 x 800 (70.87 x 39.37 x 31.50)
PP18124	1800 x 1200 x 400 (70.87 x 47.24 x 15.75)
PP18125	1800 x 1200 x 500 (70.87 x 47.24 x 19.69)
PP18126	1800 x 1200 x 600 (70.87 x 47.24 x 23.62)
PP18128	1800 x 1200 x 800 (70.87 x 47.24 x 31.50)
PP18165	1800 x 1600 x 500 (70.87 x 62.99 x 19.69)
PP18166	1800 x 1600 x 600 (70.87 x 62.99 x 23.62)
PP18168	1800 x 1600 x 800 (70.87 x 62.99 x 31.50)
PP2046	2000 x 400 x 600 (78.74 x 15.75 x 23.62)
PP2064	2000 x 600 x 400 (78.74 x 23.62 x 15.75)
PP2065	2000 x 600 x 500 (78.74 x 23.62 x 19.69)
PP2066	2000 x 600 x 600 (78.74 x 23.62 x 23.62)
PP2068	2000 x 600 x 800 (78.74 x 23.62 x 31.50)
PP2084	2000 x 800 x 400 (78.74 x 31.50 x 15.75)
PP2085	2000 x 800 x 500 (78.74 x 31.50 x 19.69)
PP2086	2000 x 800 x 600 (78.74 x 31.50 x 23.62)
PP2088	2000 x 800 x 800 (78.74 x 31.50 x 31.50)
PP20105	2000 x 1000 x 500 (78.74 x 39.37 x 19.69)
PP20106	2000 x 1000 x 600 (78.74 x 39.37 x 23.62)

Catalog Number	A x B x C mm (in.)
PP20108	2000 x 1000 x 800 (78.74 x 39.37 x 31.50)
PP20124	2000 x 1200 x 400 (78.74 x 47.24 x 15.75)
PP20125	2000 x 1200 x 500 (78.74 x 47.24 x 19.69)
PP20126	2000 x 1200 x 600 (78.74 x 47.24 x 23.62)
PP20128	2000 x 1200 x 800 (78.74 x 47.24 x 31.50)
PP20165	2000 x 1600 x 500 (78.74 x 62.99 x 19.69)
PP20166	2000 x 1600 x 600 (78.74 x 62.99 x 23.62)
PP20168	2000 x 1600 x 800 (78.74 x 62.99 x 31.50)
PP2266	2200 x 600 x 600 (86.61 x 23.62 x 23.62)
PP2268	2200 x 600 x 800 (86.61 x 23.62 x 31.50)
PP2286	2200 x 800 x 600 (86.61 x 31.50 x 23.62)
PP2288	2200 x 800 x 800 (86.61 x 31.50 x 31.50)
PP22105	2200 x 1000 x 500 (86.61 x 39.37 x 19.69)
PP22106	2200 x 1000 x 600 (86.61 x 39.37 x 23.62)
PP22125	2200 x 1200 x 500 (86.61 x 47.24 x 19.69)
PP22126	2200 x 1200 x 600 (86.61 x 47.24 x 23.62)
PP22128	2200 x 1200 x 800 (86.61 x 47.24 x 31.50)

PROLINE-PC Modular Enclosures

**PROLINE ASSEMBLED
ENCLOSURES**

**Bulletin
P20PC**



Application

This enclosure offers effective protection for computer monitors, keyboards, CPUs, printers, and other peripheral equipment in industrial environments.

Features

- The frame is enclosed with solid sides, a solid top, and a 100mm solid base.
- Three doors, two in front and one in back, provide convenient access.
- The sealed keyboard compartment maintains enclosure integrity when the compartment door is opened.
- The 19 inch diagonal top window door, hinged on the left, offers viewing access for a variety of monitor sizes and has a small flush swing handle with keylock for system security.
- The vented frame shelf in the top compartment is constructed of 14 gauge steel and is painted with RAL 7035 textured light gray polyester powder paint.
- The PROLINE® keyboard compartment includes a locking feature, an angled palm rest, a cable access port for wiring, and integral mouse pad holders for both left-handed and right-handed people.

- The accessory front opening accommodates a number of optional components, such as keyboard shelves and control compartments. See the attached drawing for dimensions and the Accessory Front Options section for available accessories.
- The bottom compartment includes a solid door hinged on the left that has a small flush swing handle with keylocking. This compartment can be used to install computer equipment, panel-mounted equipment, or rack mounted control systems.

Industry Standards

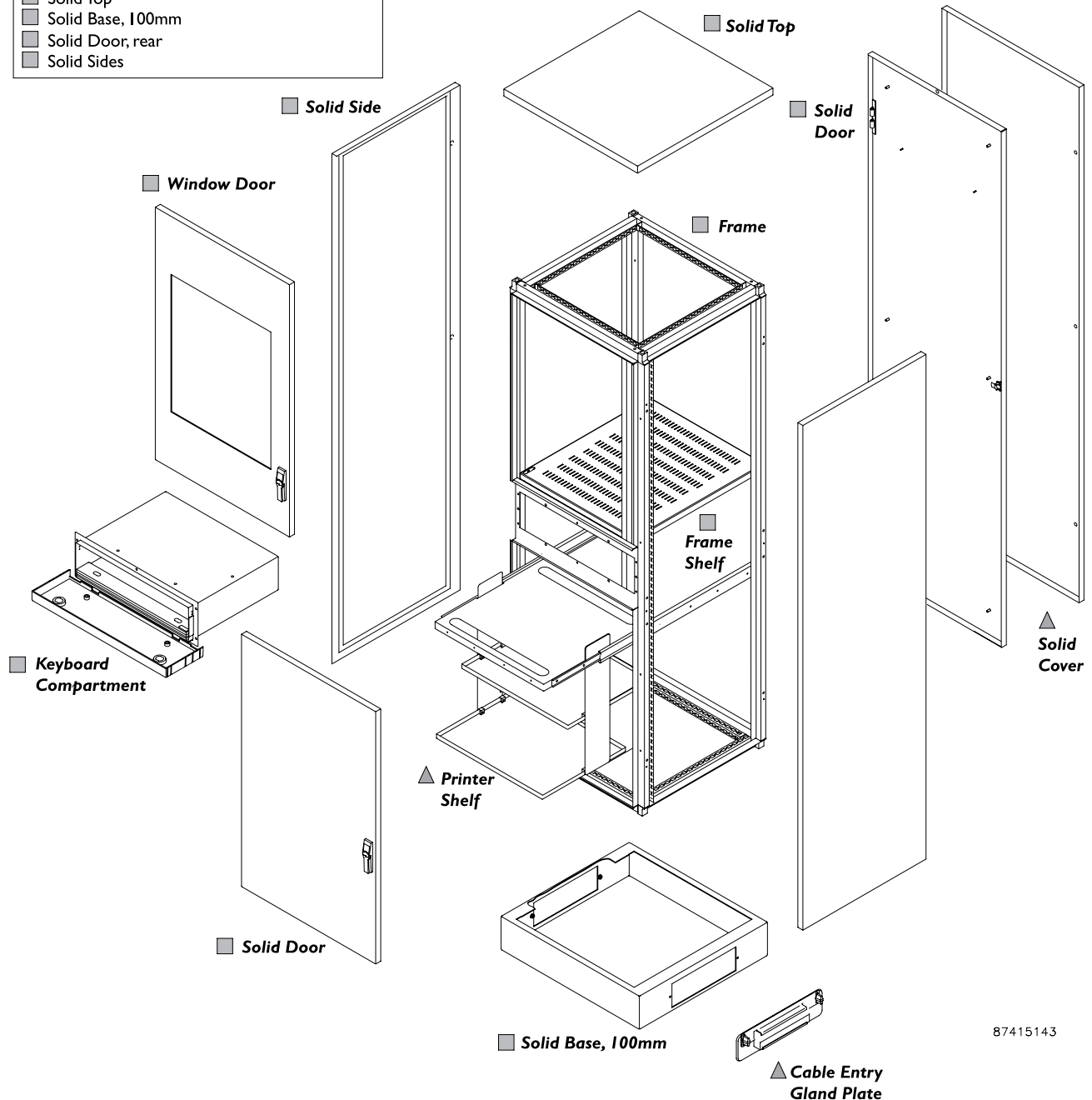
UL 508A, File Number E61997: Type 12
NEMA/EEMAC Type 12
CSA File Number 42186: Type 12
VDE IP55
IEC 60529, IP55

PROLINE-PC Modular Enclosures

- Standard Configuration**
- Frame
 - Frame Shelf, top compartment
 - Keyboard Compartment
 - Window Door, top front
 - Solid Door, bottom front
 - Solid Top
 - Solid Base, 100mm
 - Solid Door, rear
 - Solid Sides

- Optional Components**
- ▲ A optional components may be ordered separately. Components labeled **▲** may be included in an **▲** configuration.

NOTE:
PFPC_____ frames have three front openings for top, center, and bottom modular components.



87415143

PROLINE-PC Modular Enclosures

Standard Sizes PROLINE-PC Modular Enclosures

Catalog Number	A x B x C ^a mm/(in.)	M (mm)	M (in.)	N (mm)	N (in.)	P (mm)	P (in.)	R (mm)	R (in.)	Top Door Opening Height (mm)	Top Door Opening Height (in.)	Top Door Opening Width (mm)	Top Door Opening Width (in.)	Bottom Door Opening Height (mm)	Bottom Door Opening Height (in.)	Bottom Door Opening Width (mm)	Bottom Door Opening Width (in.)
PPC1666	1688 x 608 x 599 (66.46 x 23.94 x 23.58)	343	13.50	366	14.41	586	23.07	1363	53.66	558	21.97	536	21.10	739	29.09	536	21.10
PPC1668	1688 x 608 x 799 (66.46 x 23.94 x 31.46)	343	13.50	366	14.41	586	23.07	1363	53.66	558	21.97	536	21.10	739	29.09	536	21.10
PPC1686	1688 x 808 x 599 (66.46 x 31.81 x 23.58)	343	13.50	566	22.28	586	23.07	1363	53.66	558	21.97	736	28.98	739	29.09	736	28.98
PPC1866	1888 x 608 x 599 (74.33 x 23.94 x 23.58)	343	13.50	366	14.41	786	30.94	1463	57.60	758	29.84	536	21.10	739	29.09	536	21.10
PPC1868	1888 x 608 x 799 (74.33 x 23.94 x 31.46)	343	13.50	366	14.41	786	30.94	1563	61.54	958	37.72	536	21.10	739	29.09	536	21.10
PPC1886	1888 x 808 x 599 (74.33 x 31.81 x 23.58)	343	13.50	566	22.28	786	30.94	1563	61.54	958	37.72	536	21.10	739	29.09	536	21.10
PPC2066	2088 x 608 x 599 (82.20 x 23.94 x 23.58)	343	13.50	366	14.41	986	38.82	1563	61.54	958	37.72	736	28.98	739	29.09	736	28.98
PPC2068	2088 x 608 x 799 (82.20 x 23.94 x 31.46)	343	13.50	366	14.41	986	38.82	1563	61.54	958	37.72	736	28.98	739	29.09	736	28.98
PPC2086	2088 x 808 x 599 (82.20 x 31.81 x 23.58)	343	13.50	566	22.28	986	38.82	1563	61.54	958	37.72	736.1	28.98	738.9	29.09	736.1	28.98
PPC2088	2088 x 808 x 799 (82.20 x 31.81 x 31.46)	343	13.50	566	22.28	986	38.82	1563	61.54	958	37.72	736.1	28.98	738.9	29.09	736.1	28.98

^a 100mm solid base is included in the A dimension.

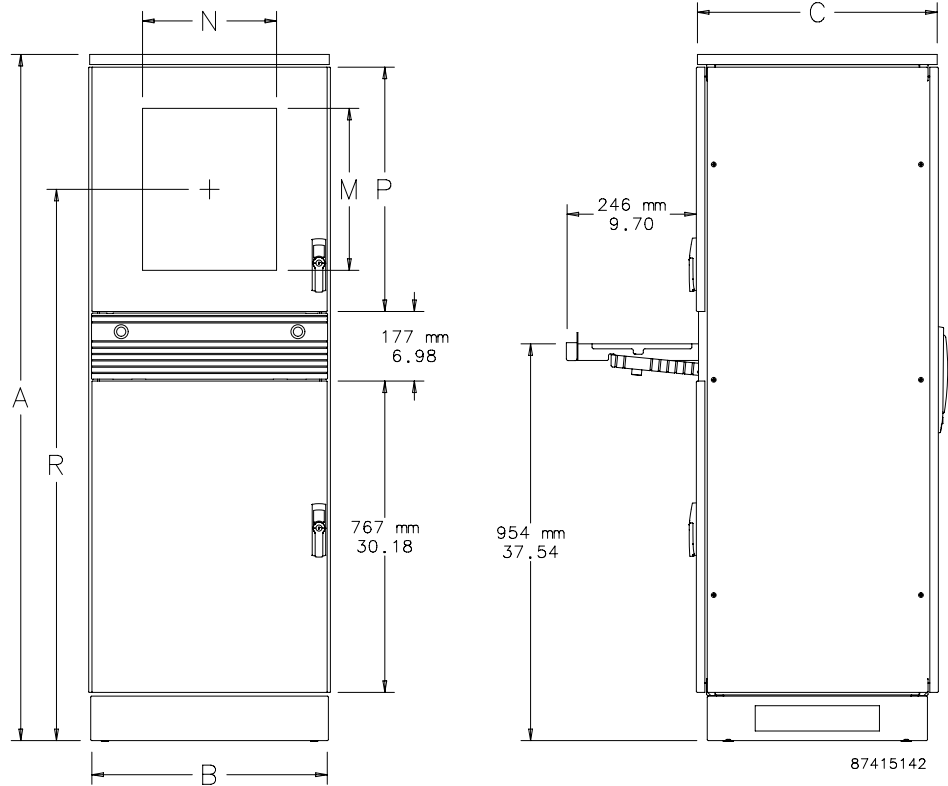
Standard Sizes PROLINE-PC Stainless Steel Modular Enclosure

Catalog Number	A x B x C ^a mm/(in.)	M (mm)	M (in.)	N (mm)	N (in.)	P (mm)	P (in.)	R (mm)	R (in.)	Top Door Opening Height (mm)	Top Door Opening Height (in.)	Top Door Opening Width (mm)	Top Door Opening Width (in.)	Bottom Door Opening Height (mm)	Bottom Door Opening Height (in.)	Bottom Door Opening Width (mm)	Bottom Door Opening Width (in.)
PPC1666SS	1688 x 608 x 599 (66.46 x 23.94 x 23.58)	343	13.50	366	14.41	586	23.07	1363	53.66	558	21.97	536	21.10	739	29.09	536	21.10

^a 100mm solid base is included in the A dimension.

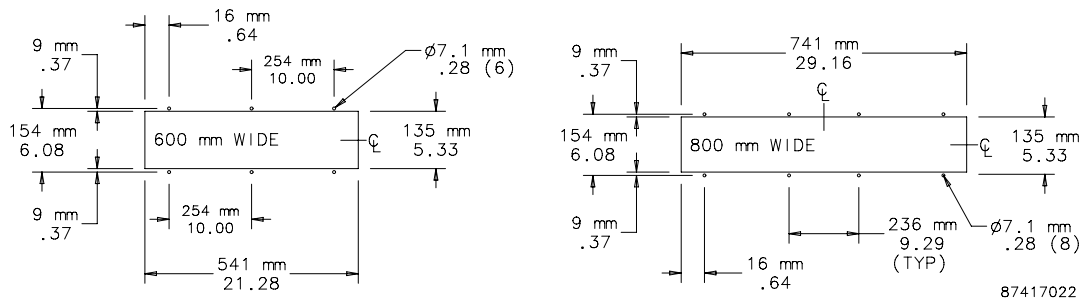
PROLINE-PC Modular Enclosures

PROLINE-PC Modular Enclosure



Modular Enclosure
Systems

Accessory Front Opening Mounting Cutout



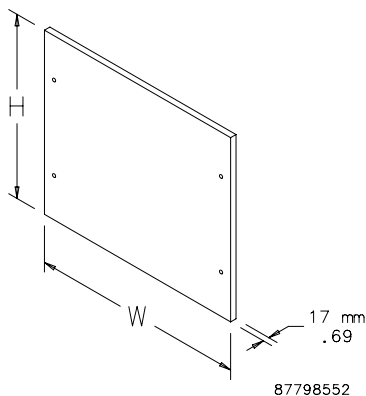
PROLINE-PC Modular Enclosures and Accessories

**PROLINE ASSEMBLED
ENCLOSURES**

**Bulletin
P20, P20PC, P20S**

Covers for Upper Front **A-T-O**

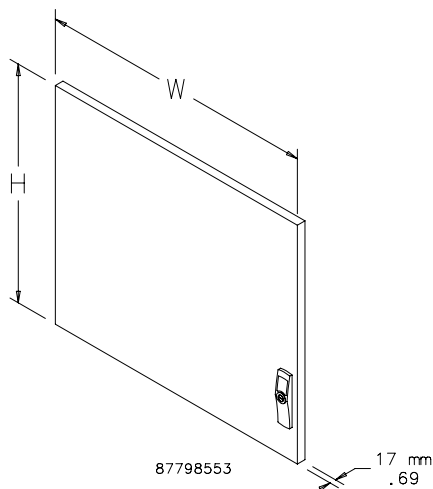
Front covers for the upper top opening are finished with textured light gray RAL 7035 powder paint (except stainless steel). Noted sizes also available in stainless steel finish. Covers are secured with four semi-flush cover screws. Seamless foam-in-place gasket assures watertight and dusttight seal. Covers include grounding stud. All mounting hardware is furnished.



Catalog Number	Type	Gauge	H (mm)	H (in.)	W (mm)	W (in.)	Fits PC Frame (mm)
PCST86PC	Steel	16	586	23.07	592	23.31	1600 x 600
PCST86PCSS	Stainless Steel	16	586	23.07	592	23.31	1600 x 600
PCST96PC	Steel	16	786	30.94	592	23.31	1800 x 600
PCST106PC	Steel	16	986	38.82	592	23.31	2000 x 600
PCST106PCSS	Stainless Steel	16	986	38.82	592	23.31	2000 x 600
PCST88PC	Steel	14	586	23.07	792	31.18	1600 x 800
PCST98PC	Steel	14	786	30.94	792	31.18	1800 x 800
PCST108PC	Steel	14	986	38.82	792	31.18	2000 x 800

Doors for Upper Front **A-T-O**

Doors fit on the upper front of the PC frame and are hinged on the left side. A 2-point latch system is operated by a small flush bezel with slotted insert located on the lower right side of the door. Other inserts and a flush swing handle are also available. Doors have foam-in-place gaskets and ground studs. Doors are finished with RAL 7035 textured light gray polyester powder paint (except stainless steel). Noted sizes also available in stainless steel.



Catalog Number	Type	Gauge	H (mm)	H (in.)	W (mm)	W (in.)	Fits PC Frame (mm)
PDST86PC	Steel	16	586	23.07	591	23.27	1600 x 600
PDST86PCSS	Stainless Steel	16	586	23.07	591	23.27	1600 x 600
PDST96PC	Steel	16	786	30.94	591	23.27	1800 x 600
PDST106PC	Steel	16	986	38.82	591	23.27	2000 x 600
PDST106PCSS	Stainless Steel	16	986	38.82	591	23.27	2000 x 600
PDST88PC	Steel	14	586	23.07	791	31.14	1600 x 800
PDST98PC	Steel	14	786	30.94	791	31.14	1800 x 800
PDST108PC	Steel	14	986	38.82	791	31.14	2000 x 800

PROLINE-PC Modular Enclosures and Accessories

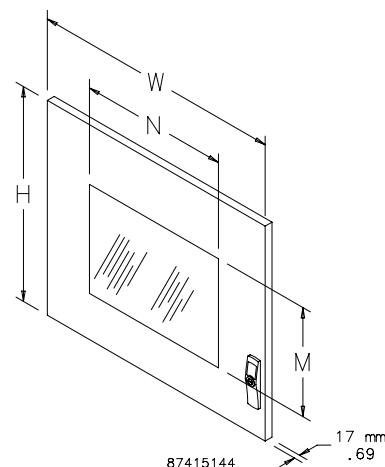
**PROLINE ASSEMBLED
ENCLOSURES**

**Bulletin
P20, P20PC, P20S**

Rev. A 7/07

Window Doors for Upper Front **A-T-O**

Window doors fit on the upper front of the PC frame and are hinged on the left side. A 2-point latch system is operated by a small flush bezel with slotted insert located on the lower right side of the door. Other inserts and a flush swing handle are also available. Doors have .25-inch thick clear safety glass windows, foam-in-place gaskets for an effective seal, and a finish of RAL 7035 textured light gray polyester powder paint (except stainless steel). Noted sizes also available in stainless steel.



Catalog Number	Type	Gauge	H (mm)	H (in.)	W (mm)	W (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Fits PC Frame
PDWT86PC	Steel	16	586	23.07	591	23.27	343 x 366	13.50 x 14.41	1600 x 600
PDWT86PCSS	Stainless Steel	16	586	23.07	591	23.27	343 x 366	13.50 x 14.41	1600 x 600
PDWT96PC	Steel	16	786	30.94	591	23.27	343 x 366	13.50 x 14.41	1800 x 600
PDWT106PC	Steel	16	986	38.82	591	23.27	343 x 366	13.50 x 14.41	2000 x 600
PDWT106PCSS	Stainless Steel	16	986	38.82	591	23.27	343 x 366	13.50 x 14.41	2000 x 600
PDWT88PC	Steel	14	586	23.07	791	31.14	343 x 566	13.50 x 22.28	1600 x 800
PDWT98PC	Steel	14	786	30.94	791	31.14	343 x 566	13.50 x 22.28	1800 x 800
PDWT108PC	Steel	14	986	38.82	791	31.14	343 x 566	13.50 x 22.28	2000 x 800

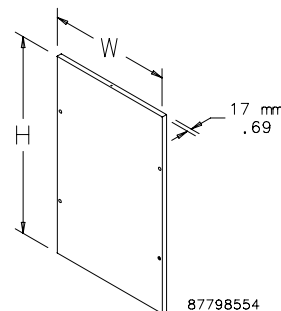
Window Doors for Upper Front—21 inch Monitor Window

Catalog Number	H (mm)	H (in.)	W (mm)	W (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Fits PC Frame
PDWTL86PC	586	23.07	592	23.31	436 x 451	17.17 x 17.76	1600 x 600
PDWTL96PC	786	30.94	592	23.31	436 x 451	17.17 x 17.76	1800 x 600
PDWTL106PC	986	38.82	592	23.31	436 x 451	17.17 x 17.76	2000 x 600

Covers for Lower Front **A-T-O**

Steel cover is finished in RAL 7035 textured light gray polyester powder paint (except stainless steel). Noted size also available in stainless steel. Seamless foam-in-place gasket assures watertight and dusttight seal. Semi-flush cover screws attach cover to frame. A ground stud is provided. Tamper-resistant screws are available (see PROLINE® External Components section).

Catalog Number	Material	Gauge	H (mm)	H (in.)	W (mm)	W (in.)	Fits PC Frame
PCS86	Steel	16	767	30.20	592	23.31	600 wide
PCS86SS	Stainless Steel	16	767	30.20	592	23.31	600 wide
PCS88	Steel	14	767	30.20	792	31.18	800 wide



PROLINE-PC Modular Enclosures and Accessories

**PROLINE ASSEMBLED
ENCLOSURES**

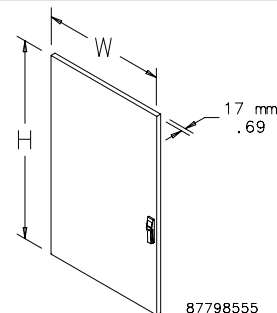
**Bulletin
P20, P20PC, P20S**

Rev. A 7/07

Doors for Lower Front **A-T-O**

Doors are steel construction with foam-in-place gasket and ground stud. Steel doors are finished in RAL 7035 textured light gray polyester powder paint (except stainless steel). Noted size also available in stainless steel. Hidden hinges provide 140-degree swing from either left or right side (180-degree hinge is available). Doors have a small flush bezel with slotted insert. Other inserts and a flush swing handle are also available. These doors will accommodate the same accessories listed for Solid Door PDS76R in the PROLINE External Components section.

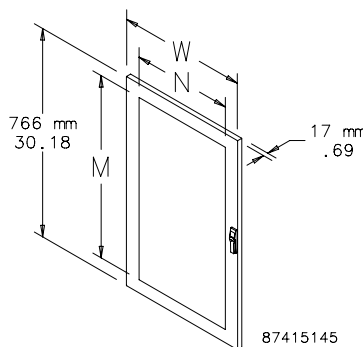
Catalog Number	Material	Gauge	H (mm)	H (in.)	W (mm)	W (in.)	Fits PC Frame
PDS86	Steel	16	767	30.20	591	23.27	600 wide
PDS86SS	Stainless Steel	16	767	30.20	591	23.27	600 wide
PDS88	Steel	14	767	30.20	791	31.14	800 wide



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Doors with Windows for Lower Front **A-T-O**

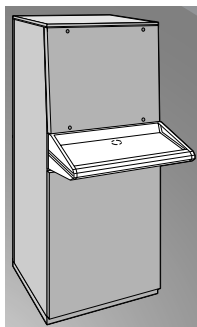
Window doors are aluminum with RAL 7035 textured light gray polyester powder paint finish (except stainless steel). Noted size also available in stainless steel. Foam-in-place gaskets are provided for door and window seals. Window is .25-inch thick and is available in clear safety glass or gray-tint polycarbonate. Doors can be hinged on right or left; 140-degree hidden hinges have retained hinge pins. Doors have a 2-point latch system and a small flush bezel with slotted insert. Other inserts and a flush swing handle are available.



87415145

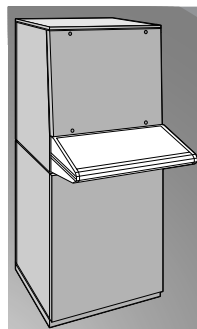
Catalog Number	Material	Window	W (mm)	W (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Fits PC Frame
PDWG86	Aluminum	Safety Glass	593	23.35	645 x 446	25.39 x 17.56	600 wide
PDWG86SS	Stainless Steel	Safety Glass	593	23.35	645 x 446	25.39 x 17.56	600 wide
PDWG88	Aluminum	Safety Glass	793	31.22	645 x 646	25.39 x 25.43	800 wide
PDW86	Aluminum	Polycarbonate	593	23.35	645 x 446	25.39 x 17.56	600 wide
PDW88	Aluminum	Polycarbonate	793	31.22	645 x 646	25.39 x 25.43	800 wide

Keyboard Shelf **A-T-O**

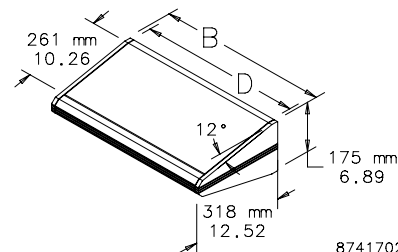
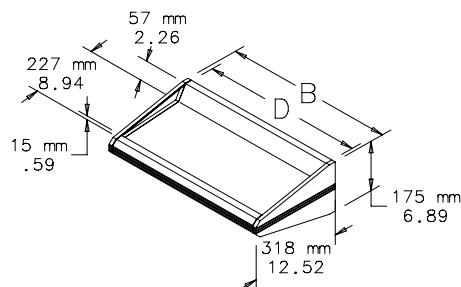


The stylized keyboard shelf is reversible, allowing two options for mounting keyboards. A standard keyboard can be placed in the recessed side. The recess is 5 degrees from horizontal and contains a knockout to allow the keyboard cord into the shelf interior. The flush side of the shelf provides a 12-degree mounting surface for membrane-type keyboards. Hole and grommet in rear surface of shelf provide keyboard cable access into the enclosure. Shelf has aluminum die-cast ends and an aluminum extrusion across the front edge to add styling detail and function as a palm rest for ergonomic keyboard orientation. Rear mounting surface is gasketed to maintain the UL and CSA integrity of the enclosure.

Shelf is 14 gauge steel and is finished with RAL 7035 textured light gray polyester powder paint. Aluminum trim and die-cast sides are finished with RAL 9005 textured black polyester powder paint.



Catalog Number	Clear Space D (mm)	Clear Space D (in.)
PKBS6	563	22.17
PKBS8	763	30.04



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PROLINE-PC Modular Enclosures and Accessories

**PROLINE ASSEMBLED
ENCLOSURES**

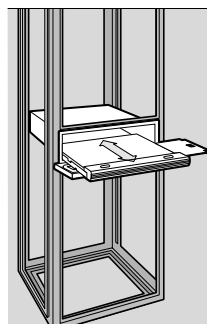
**Bulletin
P20, P20PC, P20S**

Keyboard Compartment **A-TEO**



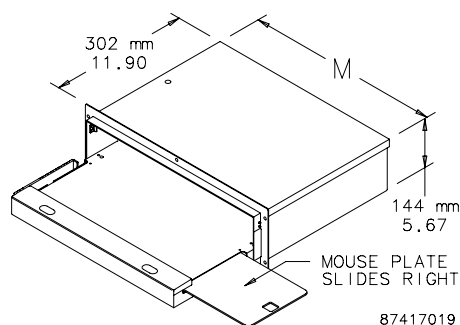
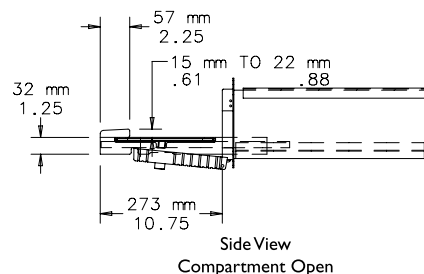
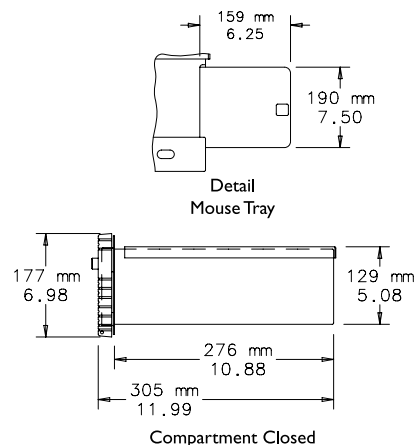
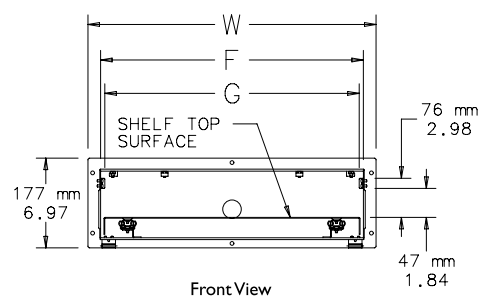
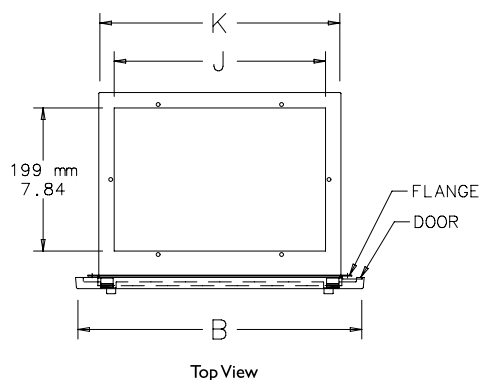
The keyboard compartment is a self-contained, sealed module that mounts to an accessory front opening. The lockable die-cast aluminum door is hinged along bottom edge and has pushbutton latches. PC

keyboard rests on a ball-bearing glide shelf with a soft palm-rest. For PKBC6R, tray for mouse slides out from under the shelf. Seamless foam-in-place gasket on door assures a dusttight seal. Door locks in position under extended shelf to secure shelf in open position. Hole and grommet in rear of compartment provide keyboard cable access into enclosure.



Compartment is finished with RAL 7035 textured light gray polyester powder paint. Door is finished with RAL 9005 textured black polyester powder paint.

Catalog Number	F (mm)	F (in.)	G (mm)	G (in.)	J (mm)	J (in.)	K (mm)	K (in.)	M (mm)	M (in.)	W (mm)	W (in.)
PKBC6R	519	20.43	478	18.83	439	17.29	520	20.49	525	20.68	575	22.62
PKBC8R	722	28.42	678	26.70	639	25.16	720	28.36	725	28.55	774	30.49



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PROLINE-PC Modular Enclosures and Accessories

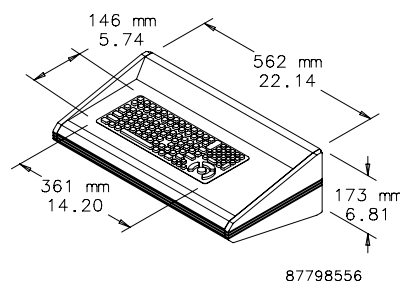
**PROLINE ASSEMBLED
ENCLOSURES**

**Bulletin
P20, P20PC, P20S**

Keyboard Shelves with Integrated Keyboard/Mouse **A-T-O**

An elastomer keyboard/mouse combination is integrated into the keyboard shelf. The keyboard has 101 keys, and the cables supplied are compatible with USB connections. The keyboard shelf is made of 14 gauge steel with RAL 7035 textured light gray polyester powder paint or Type 304 brushed stainless steel. Rear surface is gasketed to maintain both UL and CSA integrity of the enclosure.

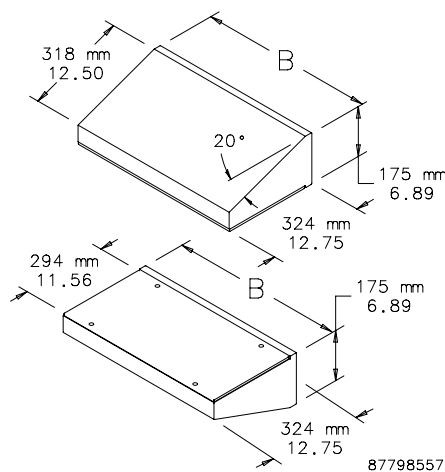
Catalog Number	Material	Description
PEKBM6	Steel	Keyboard shelf with integrated keyboard and mouse
PEKBM6SS	Stainless Steel	Keyboard shelf with integrated keyboard and mouse



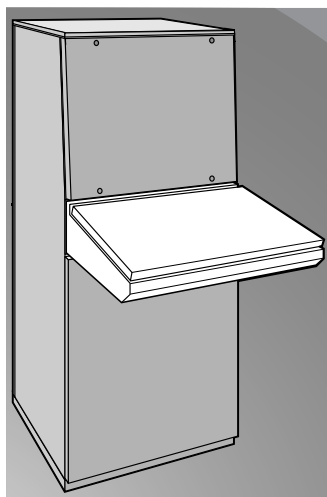
20-degree Control Compartment **A-T-O**

Reversible design provides 20-degree angled surface for mounting operator controls. Smaller angle maximizes mounting space available. The keyboard shelf is made of 14 gauge steel with RAL 7035 textured light gray polyester powder paint or Type 304 brushed stainless steel. Screw cover on the flat side allows easy access inside compartment. Screw cover has foam-in-place gasketing. Compartment is gasketed around the open rear surface to extend the UL and CSA rating to the control compartment interior. Ground stud and mounting hardware are included.

Catalog Number	Material	B (mm)	B (in.)
PC20A6	Steel	592	23.30
PC20A6SS	Stainless Steel	592	23.30
PC20A8	Steel	792	31.17
PC20A8SS	Stainless Steel	792	31.17

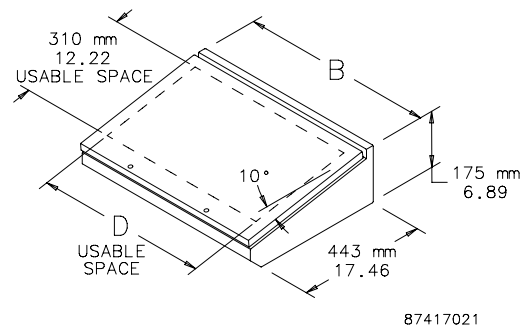


Console Compartment **A-T-O**



Provides sealed compartment for keyboard storage or protection for controls. Hinged door allows easy access to compartment. Door support holds door open at 90 degrees. Two quarter-turn integral latches are incorporated into the stylized accent trim along front edge of steel compartment doors. Foam-in-place gasket on door and gasket around open rear surface extend the UL and CSA rating to the console compartment interior. Compartment is Type 304 stainless steel or 14 gauge steel finished with RAL 7035 textured light gray polyester powder paint. Ground studs and mounting hardware are provided. The Flush Keylock (PSTLO) is available as an accessory.

Catalog Number	Material	Material	Clear Space D (mm)	Clear Space D (in.)
PCC6	Steel	Steel	525	20.66
PCDS6SS	Stainless Steel	Stainless Steel	525	20.66
PCC8	Steel	Steel	725	28.54
PCDS8SS	Stainless Steel	Stainless Steel	725	28.54



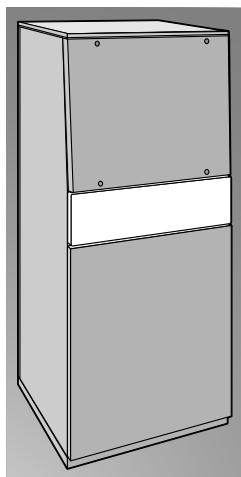
PROLINE-PC Modular Enclosures and Accessories

**PROLINE ASSEMBLED
ENCLOSURES**

**Bulletin
P20, P20PC, P20S**

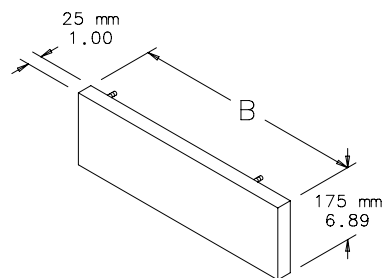
Modular Enclosure
Systems

Access Cover **A-T-O**



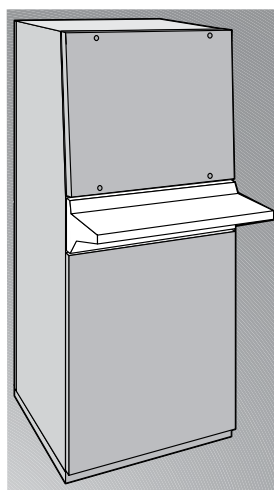
Provides a solid, flat cover or additional mounting surface for front accessory opening. Cover is gasketed to maintain enclosure integrity. Covers are stainless steel or finished with RAL 7035 textured light gray polyester powder paint. Hardware is included.

Catalog Number	Material	Material	B (mm)	B (in.)
PCS6	Steel	Steel	592	23.30
PCSA6SS	Stainless Steel	Stainless Steel	592	23.30
PCS8	Steel	Steel	792	31.17
PCSA8SS	Stainless Steel	Stainless Steel	792	31.17



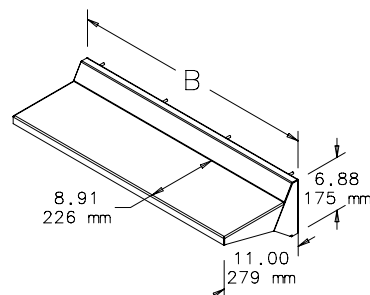
87798562

Writing Desk **A-T-O**



Provides a horizontal writing surface. Constructed of 14 gauge steel with RAL 7035 light gray polyester powder paint finish. Rear surface is closed and gasketed to maintain both the UL and CSA integrity of the enclosure.

Catalog Number	Description	Width (mm)	Width (in.)	Depth (mm)	Depth (in.)
PWD6	Writing Desk	592	23.30	226	8.91
PWD8	Writing Desk	792	31.17	226	8.91

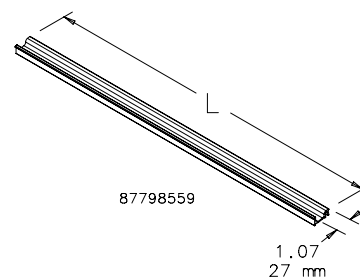


C2699-C

Pencil Tray

Used to keep pencils and papers from slipping off sloped surfaces. Tray is intended to be mounted along the bottom edge of sloped surfaces such as control compartments or console compartments. Pencil tray is an aluminum extrusion with RAL 9005 black polyester powder paint finish. Mounting hardware is hidden when tray is installed.

Catalog Number	L (mm)	L (in.)
PCPL6	582	22.92
PCPL8	764	30.08



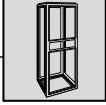
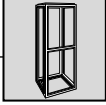
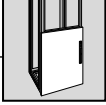
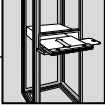
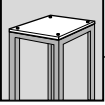
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PROLINE-PC Modular Enclosures Selection Matrix

PROLINE
ASSEMBLED ENCLOSURES
Bulletin
VARIOUS

Rev. A 5/07

Component Summary Standard Assembled PROLINE-PC Modular Enclosures

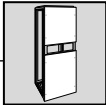
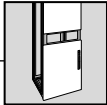
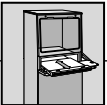
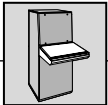
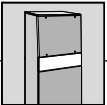
						
	Standard Assembled Enclosure Catalog Number	Frame	Window Door (Top)	Solid Door (Bottom)	Keyboard Compartment	Solid Top
	PPC1666	PFPC1666	PDWT86PC	PDS86	PKBC6R	PT66
	PPC1668	PFPC1668	PDWT86PC	PDS86	PKBC6R	PT68
	PPC1686	PFPC1686	PDWT88PC	PDS88	PKBC8R	PT86
	PPC1866	PFPC1866	PDWT96PC	PDS86	PKBC6R	PT66
	PPC1868	PFPC1868	PDWT96PC	PDS86	PKBC6R	PT68
	PPC1886	PFPC1886	PDWT98PC	PDS88	PKBC8R	PT86
	PPC2066	PFPC2066	PDWT106PC	PDS86	PKBC6R	PT66
	PPC2068	PFPC2068	PDWT106PC	PDS86	PKBC6R	PT68
	PPC2086	PFPC2086	PDWT108PC	PDS88	PKBC8R	PT86
	PPC2088	PFPC2088	PDWT108PC	PDS88	PKBC8R	PT88

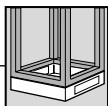
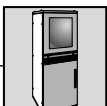
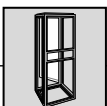
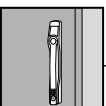
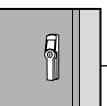
PROLINE-PC Modular Enclosures

Selection Matrix

Rev. A 5/07

Door, Cover, and Front Options PROLINE-PC Modular Enclosures

	Frame Catalog Number	 Window Doors	 Covers	 Solid Doors	 Keyboard Compartment	 Keyboard Shelf	 Consolet Compartment	 Access Cover
Top Front	PFPC1666	PDWT86PC	PCST86PC	PDST86PC				
	PFPC1668	PDWT86PC	PCST86PC	PDST86PC				
	PFPC1686	PDWT88PC	PCST88PC	PDST88PC				
	PFPC1866	PDWT96PC	PCST96PC	PDST96PC				
	PFPC1868	PDWT96PC	PCST96PC	PDST96PC				
	PFPC1886	PDWT98PC	PCST98PC	PDST98PC				
	PFPC2066	PDWT106PC	PCST106PC	PDST106PC				
	PFPC2068	PDWT106PC	PCST106PC	PDST106PC				
	PFPC2086	PDWT108PC	PCST108PC	PDST108PC				
	PFPC2088	PDWT108PC	PCST108PC	PDST108PC				
Middle Front	PFPC1666				PKBC6R	PKBS6	PCC6	PCS6
	PFPC1668				PKBC6R	PKBS6	PCC6	PCS6
	PFPC1686				PKBC8R	PKBS8	PCC8	PCS8
	PFPC1866				PKBC6R	PKBS6	PCC6	PCS6
	PFPC1868				PKBC6R	PKBS6	PCC6	PCS6
	PFPC1886				PKBC8R	PKBS8	PCC8	PCS8
	PFPC2066				PKBC6R	PKBS6	PCC6	PCS6
	PFPC2068				PKBC6R	PKBS6	PCC6	PCS6
	PFPC2086				PKBC8R	PKBS8	PCC8	PCS8
	PFPC2088				PKBC8R	PKBS8	PCC8	PCS8
Bottom Front	PFPC1666	PDWG86	PCS86	PDS86				
	PFPC1668	PDWG86	PCS86	PDS86				
	PFPC1686	PDWG88	PCS88	PDS88				
	PFPC1866	PDWG86	PCS86	PDS86				
	PFPC1868	PDWG86	PCS86	PDS86				
	PFPC1886	PDWG88	PCS88	PDS88				
	PFPC2066	PDWG86	PCS86	PDS86				
	PFPC2068	PDWG86	PCS86	PDS86				
	PFPC2086	PDWG88	PCS88	PDS88				
	PFPC2088	PDWG88	PCS88	PDS88				

 Solid Base (100mm)	 Solid Sides ^a	 Solid Door (Rear)	 Frame Shelf	 Flush Pushbutton Handle (keylock)	 Small Flush Swing Handle
PB166	PSS166	PDS166	PFSH66	PFHKBL	PSHKBL
PB168	PSS168	PDS166	PFSH68	PFHKBL	PSHKBL
PB186	PSS166	PDS168	PFSH86	PFHKBL	PSHKBL
PB166	PSS186	PDS186	PFSH66	PFHKBL	PSHKBL
PB168	PSS188	PDS186	PFSH68	PFHKBL	PSHKBL
PB186	PSS186	PDS188	PFSH86	PFHKBL	PSHKBL
PB166	PSS206	PDS206	PFSH66	PFHKBL	PSHKBL
PB168	PSS208	PDS206	PFSH68	PFHKBL	PSHKBL
PB186	PSS206	PDS208	PFSH86	PFHKBL	PSHKBL
PB188	PSS208	PDS208	PFSH88	PFHKBL	PSHKBL

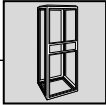
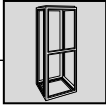
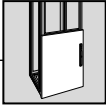
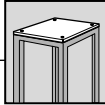
^a Order two.

PROLINE-PC Modular Enclosure (Stainless Steel) Selection Matrix

PROLINE
ASSEMBLED ENCLOSURES
Bulletin
VARIOUS

Rev. A 5/07

Component Summary Standard Assembled PROLINE-PC Stainless Steel Modular Enclosures

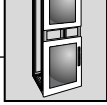
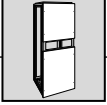
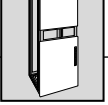
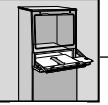
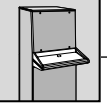
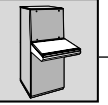
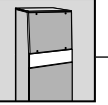
						
	Standard Assembled Enclosure Catalog Number	Frame	Window Door (Top)	Solid Door (Bottom)	Keyboard Compartment	Solid Top
	PPC1666SS	PFPC1666	PDWT86PCSS	PDS86SS	PKBC6R	PT66SS

PROLINE-PC Modular Enclosure (Stainless Steel) Selection Matrix

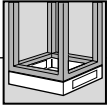
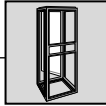
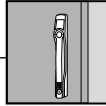
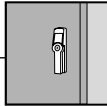
PROLINE
ASSEMBLED ENCLOSURES
Bulletin
VARIOUS

Rev. A 5/07

Door, Cover, and Front Options PROLINE-PC Stainless Steel Modular Enclosures

	Frame Catalog Number	 Window Doors	 Covers	 Solid Doors	 Keyboard Compartment	 20° Control Compartment	 Consolet Compartment	 Access Cover
Top Front	PFPC1666	PDWT86PCSS	PCST86PCSS	PDST86PCSS				
	PPFC1668	PDWT86PCSS	PCST86PCSS	PDST86PCSS				
	PFPC1686			PDST88PCSS				
	PPFC2066	PDWT106PCSS	PCST106PCSS	PDST106PCSS				
	PFPC2068	PDWT106PCSS	PCST106PCSS	PDST106PCSS				
Middle Front	PFPC1666				PKBC6R	PC20A6SS	PCDS6SS	PCSA6SS
	PPFC1668				PKBC6R	PC20A6SS	PCDS6SS	PCSA6SS
	PFPC1686				PKBC8R	PC20A8SS	PCDS8SS	PCSA8SS
	PFPC1866				PKBC6R	PC20A6SS	PCDS6SS	PCSA6SS
	PFPC1868				PKBC6R	PC20A6SS	PCDS6SS	PCSA6SS
	PFPC1886				PKBC8R	PC20A8SS	PCDS8SS	PCSA8SS
	PFPC2066				PKBC6R	PC20A6SS	PCDS6SS	PCSA6SS
	PFPC2068				PKBC6R	PC20A6SS	PCDS6SS	PCSA6SS
	PFPC2086				PKBC8R	PC20A8SS	PCDS8SS	PCSA8SS
	PFPC2088				PKBC8R	PC20A8SS	PCDS8SS	PCSA8SS
Bottom Front	PFPC1666	PDWG86SS	PCS86SS	PDS86SS				
	PPFC1668	PDWG86SS	PCS86SS	PDS86SS				
	PFPC1866	PDWG86SS	PCS86SS	PDS86SS				
	PFPC1868	PDWG86SS	PCS86SS	PDS86SS				
	PFPC2066	PDWG86SS	PCS86SS	PDS86SS				
	PFPC2068	PDWG86SS	PCS86SS	PDS86SS				

Modular Enclosure
Systems

 Solid Base (100mm)	 Solid Sides ^a	 Solid Door (Rear)	 Frame Shelf	 Large Flush Bezel	 Small Flush Bezel
PB166SS	PSS166SS	PDS166SS	PFSH66	PFBSSS	PSFBSSS
PB168SS	PSS168SS	PDS166SS	PFSH68		
PB186SS	PSS166SS	PDS168SS	PFSH86		
PB166SS	PSS186SS	PDS186SS	PFSH66		
PB168SS	PSS188SS	PDS186SS	PFSH68		
PB186SS	PSS186SS	PDS188SS	PFSH86		
PB166SS	PSS206SS	PDS206SS	PFSH66		
PB168SS	PSS208SS	PDS206SS	PFSH68		
PB186SS	PSS206SS	PDS208SS	PFSH86		
PB188SS	PSS208SS	PDS208SS	PFSH88		

^a Order two.

PROLINE-SY Modular Enclosures

**PROLINE ASSEMBLED
ENCLOSURES**
Bulletin
P20S, P20SY



Application

This enclosure is designed to protect many industrial operator interface systems, including panel- or rack-mounted control systems, operator interface packages, and a variety of other electronic control components.

Features

- The top compartment is open and can accommodate a variety of front cover, door, and window door options.
- Solid covers with prefabricated operator interface cutouts are available
- Internal grid straps are factory-installed in top compartment to provide support for operator interfaces
- Two doors, one on the lower front and one on the back of the enclosure, provide convenient access and additional protection
- The bottom door is hinged on the left and has an attractive keylocking flush swing handle

- The solid rear door permits rear access to equipment and wiring and includes a keylocking pushbutton handle
- Standard external components include solid sides, solid top, and a 100mm solid base

Order cover, door, or window door for top front to complete the enclosure. Solid covers with prefabricated operator interface cutouts are available. Consult Hoffman for ordering information.

NOTES:

Top and bottom door opening size:

29.09 x 21.11 (739 x 536) on 600mm wide

29.09 x 28.98 (739 x 736) on 800mm wide

Industry Standards

UL 508A, File Number E61997: Type 12

NEMA/EEMAC Type 12

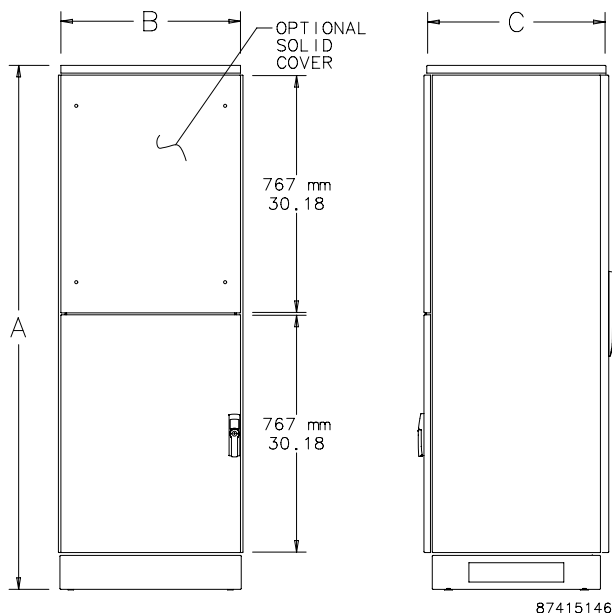
CSA File Number 42186: Type 12

VDE IP55

IEC 60529, IP55

Standard Sizes PROLINE-SY Modular Enclosures

Catalog Number	B (mm)	B (in.)	Material
PSY1666	608	23.94	Steel
PSY1666SS	608	23.94	Stainless Steel
PSY1686	808	31.81	Steel



PROLINE-SY Modular Enclosures

**PROLINE ASSEMBLED
ENCLOSURES**
Bulletin
P20S, P20SY

Modular Enclosure
Systems

Standard Configuration

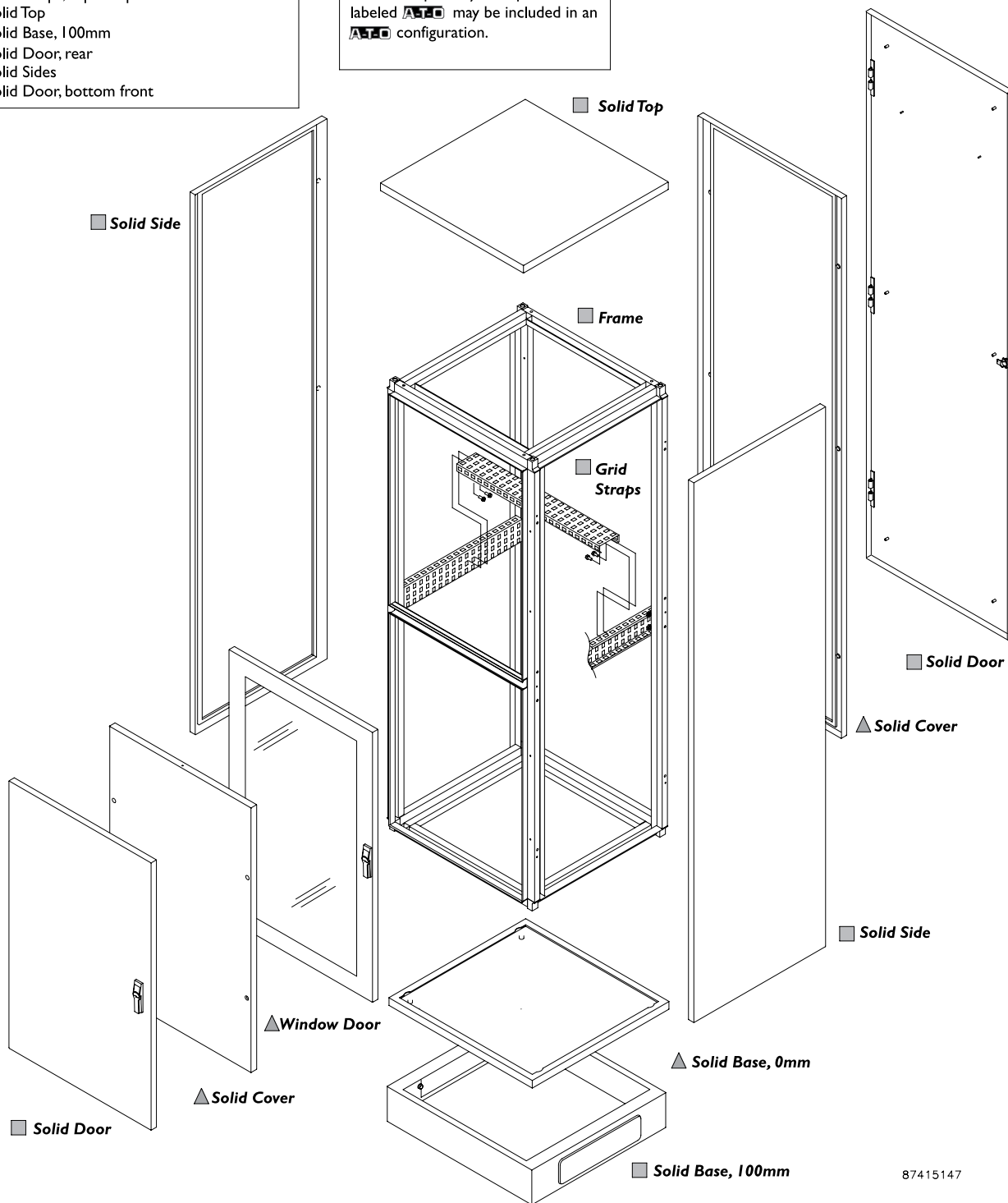
- Frame
- Grid Straps, top compartment
- Solid Top
- Solid Base, 100mm
- Solid Door, rear
- Solid Sides
- Solid Door, bottom front

Optional Components

A optional components may be ordered separately. Components labeled **ASD** may be included in an **ASD** configuration.

NOTE:

PFSY_____ frames have two front openings for top and bottom modular components.



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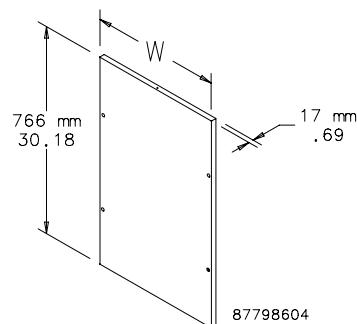
PROLINE-SY Modular Enclosures and Accessories

Covers for Upper and Lower Front **A-T-O**

Solid steel construction. Steel cover is finished in RAL 7035 textured light gray polyester powder paint (except stainless steel). Seamless foam-in-place gasket assures watertight and dusttight seal. Semi-flush cover screws attach cover to frame. A ground stud is provided. Tamper-resistant screws are available.

NOTE: Covers with openings precut for various manufacturers' OI devices are available in 600mm sizes. See Covers with OI Cutouts in this section.

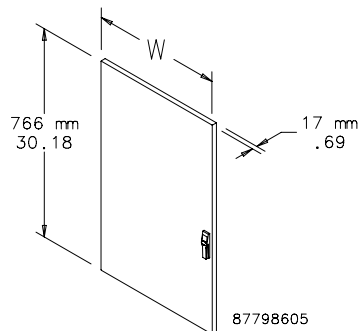
Catalog Number	Material	Gauge	W (mm)	W (in.)	Fits SY Frame	Bulletin Number
PCS86	Steel	16	592	23.31	600 wide	P20S,P20SY
PCS86SS	Stainless Steel	16	592	23.31	600 wide	P20S,P20SY
PCS88	Steel	14	792	31.18	800 wide	P20S,P20SY



Doors for Upper and Lower Front **A-T-O**

Solid steel door with foam-in-place gasket. Solid steel doors are finished in RAL 7035 textured light gray polyester powder paint (except stainless steel). Hidden hinges provide 140- degree swing from either left or right side (180-degree hinge is available). Doors have a small flush bezel with slotted insert. Other inserts and a flush swing handle also are available. These doors accommodate the same accessories listed for PDS76R in the Solid Doors table in the PROLINE® External Components section.

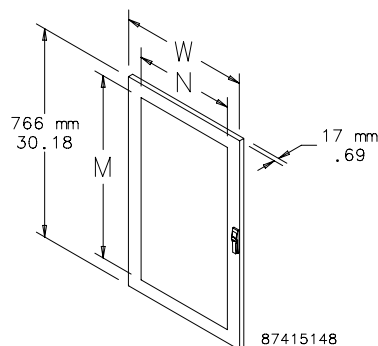
Catalog Number	Material	Gauge	W (mm)	W (in.)	Fits SY Frame	Bulletin Number
PDS86	Steel	16	591	23.27	600 wide	P20PC, P20S
PDS86SS	Stainless Steel	16	591	23.27	600 wide	P20PC, P20S
PDS88	Steel	14	791	31.14	800 wide	P20PC, P20S



PROLINE-SY Modular Enclosures and Accessories

Doors with Windows for Upper and Lower Front **A-T-O**

Window doors are aluminum finished with RAL 7035 textured light gray polyester powder paint (except stainless steel). Foam-in-place gaskets are provided for door and window seals. Window is .25-inch thick and is available in clear safety glass or gray-tint polycarbonate. Doors are hinged on the left. Hidden hinges have retained hinge pins. Window door has a 2-point latch system and a small flush bezel with slotted insert. Other inserts and a flush swing handle also are available.



Catalog Number	Material	Window	W (mm)	W (in.)	Window Size M x N (mm)	Window Size M x N (in.)	Fits SY Frame	Bulletin Number
PDWG86	Aluminum	Glass	593	23.35	645 x 446	25.39 x 17.56	600 wide	P20, P20S
PDWG86SS	Stainless Steel	Glass	593	23.35	645 x 446	25.39 x 17.56	600 wide	P20, P20S
PDWG88	Aluminum	Glass	793	31.22	646 x 645	25.43 x 25.39	800 wide	P20, P20S
PDW86	Aluminum	Polycarbonate	593	23.35	645 x 446	25.39 x 17.56	600 wide	P20, P20S
PDW88	Aluminum	Polycarbonate	793	31.22	646 x 645	25.43 x 25.39	800 wide	P20, P20S

Covers with OI Cutouts **A-T-O**

Covers are 600mm wide and are 14 gauge steel finished in RAL 7035 textured light gray polyester powder paint. Prepunched cutout for specific OI devices. Seamless foam-in-place gasket. Semi-flush cover screws. A ground stud is provided. Optional tamper-resistant screws are available.

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

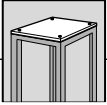
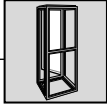
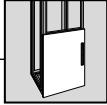
Catalog Number	Manufacturer One	Manufacturer Two	Pre-Cut for Manufacturer One's Model	Pre-Cut for Manufacturer Two's Model	Approx. OI Weight for Manufacturer One (lb)	Approx. OI Weight for Manufacturer Two (lb)	Bulletin Number
PCSK19	Allen-Bradley		T60		71		P20SY
PCSK4	Allen-Bradley	Xycom	T70 (1784-T35; 1784-T30A, C)	2050/60; 9450; 9475; 9485; 9486; 9403	27		P20SY
PCSK5	Allen-Bradley		PanelView 1200e/1200 TouchScreen		33		P20SY
PCSK6	Allen-Bradley		PanelView 1200e/1200 /1400e Keypad		46		P20SY
PCSK26	Allen-Bradley		PanelView 1400e TouchScreen		45		P20SY
PCSK30	Cutler-Hammer IDT	Modicon	PanelMate 4200 (monitor & keyboard)	PanelMate Plus 4200 (monitor & keyboard)	55	55	P20SY
PCSK27	Cutler-Hammer IDT	Modicon	PanelMate 4000 TouchPanel	PanelMate Plus 4000	55	55	P20SY
PCSK25	Cutler-Hammer IDT	Modicon	PanelMate 4000 TouchScreen	PanelMate Plus 4000 TouchScreen	52	52	P20SY
PCSK22	Cutler-Hammer IDT	Modicon	PanelMate Compact	PanelMate Compact		22	P20SY
PCSK11	Nematron		IWS-10 x 3, -15 x 3, 20 x 3, 25 x 3		22	22	P20SY
PCSK12	Nematron		IWS-1634, -2634, 45 x 4, -6515; Toolbox; MON4504		22	22	P20SY
PCSK13	TCP		SmartScreen (color)		22	22	P20SY
PCSK16	Xycom		2000		22	22	P20SY

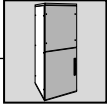
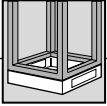
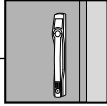
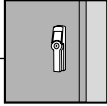
Note: See Catalog No. PCS86 in the Covers for Upper and Lower Fronts table for dimensions.

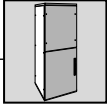
PROLINE-SY Modular Enclosures Selection Matrix

PROLINE
ASSEMBLED ENCLOSURES
Bulletin
VARIOUS

Component Summary Standard Assembled PROLINE-SY Modular Enclosures (Steel and Stainless Steel)

									
		Frames		Solid Top		Solid Door (Rear)		Solid Door (Bottom)	
Catalog Number		Steel	Stainless	Steel	Stainless	Steel	Stainless	Steel	Stainless
PSY1666	PSY1666SS	PFSY1666		PT66	PT66SS	PDS166	PDS166SS	PDS86	PDS86SS
PSY1686		PFSY1686		PT86		PDS168		PDS88	

									
		Solid Sides		Solid Base (100mm)		Flush Pushbutton Handle (keylock)		Small Flush Swing Handle	
Catalog Number		Steel	Stainless	Steel	Stainless				
PSY1666	PSY1666SS	PSS166	PSS166SS	PB166	PB166SS	PFHKBL		PSHKBL	
PSY1686		PSS166		PB186		PFHKBL		PSHKBL	

			
		Grid Straps ^a	
Catalog Number			
PSY1666		PGH3S7 & PGH3S6	
PSY1686		PGH3S9 & PGH3S6	

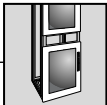
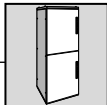
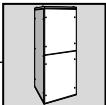
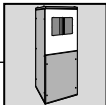
^a Quantity two.

PROLINE-SY Modular Enclosures

Selection Matrix

PROLINE
ASSEMBLED ENCLOSURES
Bulletin
VARIOUS

Door and Cover Front Options PROLINE-SY(Steel and Stainless Steel)

	Frame Catalog Number									
	Steel	Stainless	Steel	Stainless	Steel	Stainless	Steel	Stainless	Solid Covers with OI Cutouts ^b	
Top Front	PFSY1666	PSY1666SS	PDWG86	PDWG86SS	PDS86	PDS86SS	PCS86	PCS86SS	PCSK4	
									PCSK5	
									PCSK6	
									PCSK11	
									PCSK12	
									PCSK13	
									PCSK16	
									PCSK19	
									PCSK22	
									PCSK25	
									PCSK26	
									PCSK27	
	PFSY1686		PDWG88		PDS88		PSC88		PCSK30	
Bottom Front	PFSY1666	PFSY1666SS	PDWG86	PDWG86SS	PDS86	PDS86SS	PCS86	PCS86SS		
	PFSY1686		PDWG88		PDS88		PCS88			

^b Fits 600mm wide frames only.

PROLINE-DD Modular Enclosures



Application

The PROLINE® double-door flange-mounted disconnect enclosure furnishes more usable installation space for equipment in industrial settings. These enclosures accept all standard available disconnects, including Allen-Bradley, ABB Controls, Eaton Cutler-Hammer, General Electric, Siemens ITE, and Schneider Square D®.

The disconnect door and slave door are hinged on left; the disconnect mullion is hinged on right. A removable centerpost at the front of the enclosure is bolted to the frame for easy removal during panel installation. The rear centerpost is permanently welded to the frame to ensure maximum strength.

A flush handle with defeater operates an internal 3-point latch system on the master disconnect door and latches to the disconnect mullion (door will accept other PROLINE® handle options). Disconnect mullion is secured to the frame inside at top and bottom. Interlocking is provided from master door to disconnect mullion and to slave door. A 3-point latch system on the slave door is operated by a bezel with insert (door will accept other handle options). When the master door is closed, the mullion and slave door cannot be opened. The disconnect mullion and doors have hinges that open 140 degrees.

Rear covers, solid sides, and solid top are furnished. Bottom of the enclosure is open to accept 100mm solid base or 100mm plinth base with gland plates. Enclosure interior accommodates a 2000 x 1800mm 10 gauge subpanel that has glide blocks to facilitate handling and installation (hardware is included).

The enclosure, as well as the enclosure front, rear, top, and sides, is fully gasketed. Use a 100mm solid base or a plinth base and gland plate to maintain Type I2 integrity.

PROLINE-DD enclosures accept the following types of flange-mounted disconnect devices:

Allen-Bradley

- Bulletin 1494V variable-depth flange-operated disconnect switches and circuit breaker mechanisms.
- Bulletin 140U flexible cable operating mechanisms for 140U molded case circuit breakers.

These enclosures will not accept Allen-Bradley Bulletin 1494F disconnect devices or Bulletin 1494D circuit breaker operators. See Type I2 and I3 Enclosures for Allen-Bradley Disconnects in the Disconnect Enclosures section.

Standard Sizes PROLINE-DD Modular Enclosures

Catalog Number	A x B x C (mm)	A x B x C (in.)	Nominal Size (mm)
PTDDC20185	1984 x 1808 x 499	78.11 x 78.11 x 19.65	2000 x 1800 x 500
PTDDC20186	1984 x 1808 x 599	78.11 x 78.11 x 23.58	2000 x 1800 x 600

ABB Controls Disconnect switches up to (and including) 200 amp, also operators for ABB circuit breakers up to 800 amp.

Eaton Cutler-Hammer Variable-depth disconnect switches up to (and including) 200 amp, and operators for C-H Westinghouse circuit breakers up to 600 amp. Also, Flex Shaft™ handle mechanisms for circuit breakers.

General Electric Type TDA variable-depth operating mechanisms for disconnect switches up to (and including) 200 amp, also operator mechanisms or Spectra Flex™ cable operators for circuit breakers up to 600 amp.

Siemens ITE Max-Flex™ flange-mounted variable-depth operating handles for disconnect switches and circuit breakers as well as some fixed-depth operators for disconnect switches.

Schneider Square D Class 9422 disconnect switches up to (and including) 200 amp, with variable-depth or cable mechanisms for 30, 60, or 100 amp. Also circuit breakers with variable-depth operators or cable mechanisms up to 400 amp.

Industry Standards

UL 508A, File Number E61997: Type I2
NEMA/EEMAC Type I2
CSA File Number 42186: Type I2
VDE IP55
IEC 60529, IP55

Disconnect Mounting Space

Disconnects will occupy space on panel shown by dimensions EI, FI, and GI. Wiring space WI is available when disconnect is installed in the enclosure.

See Technical Information section for EI Spacing by Enclosure Height for various disconnect switch manufacturers.

WI = Wiring Space. See Technical Information section for wire bend space.

Refer to **National Electrical Code®**, 2005 article 430-10(b) for wiring space required for line side conductors to be connected to disconnect. **Verify your application to determine whether wiring space is adequate.**

NOTE: Consult Space Occupied by Disconnect drawing to determine whether the disconnect device you are using will fit the enclosure size you have selected.

Ordering

The disconnect switch, operating handle, and operating mechanism must be ordered separately. See Technical Information in the Hoffman Specifier's Guide for wire bend space available when various manufacturers' disconnect switches are installed, or Disconnect Ordering Information at hoffmanonline.com for disconnect ordering guidelines and wire bend space available. Check the enclosure dimension drawings to make sure the chosen disconnect switch will fit in the enclosure.

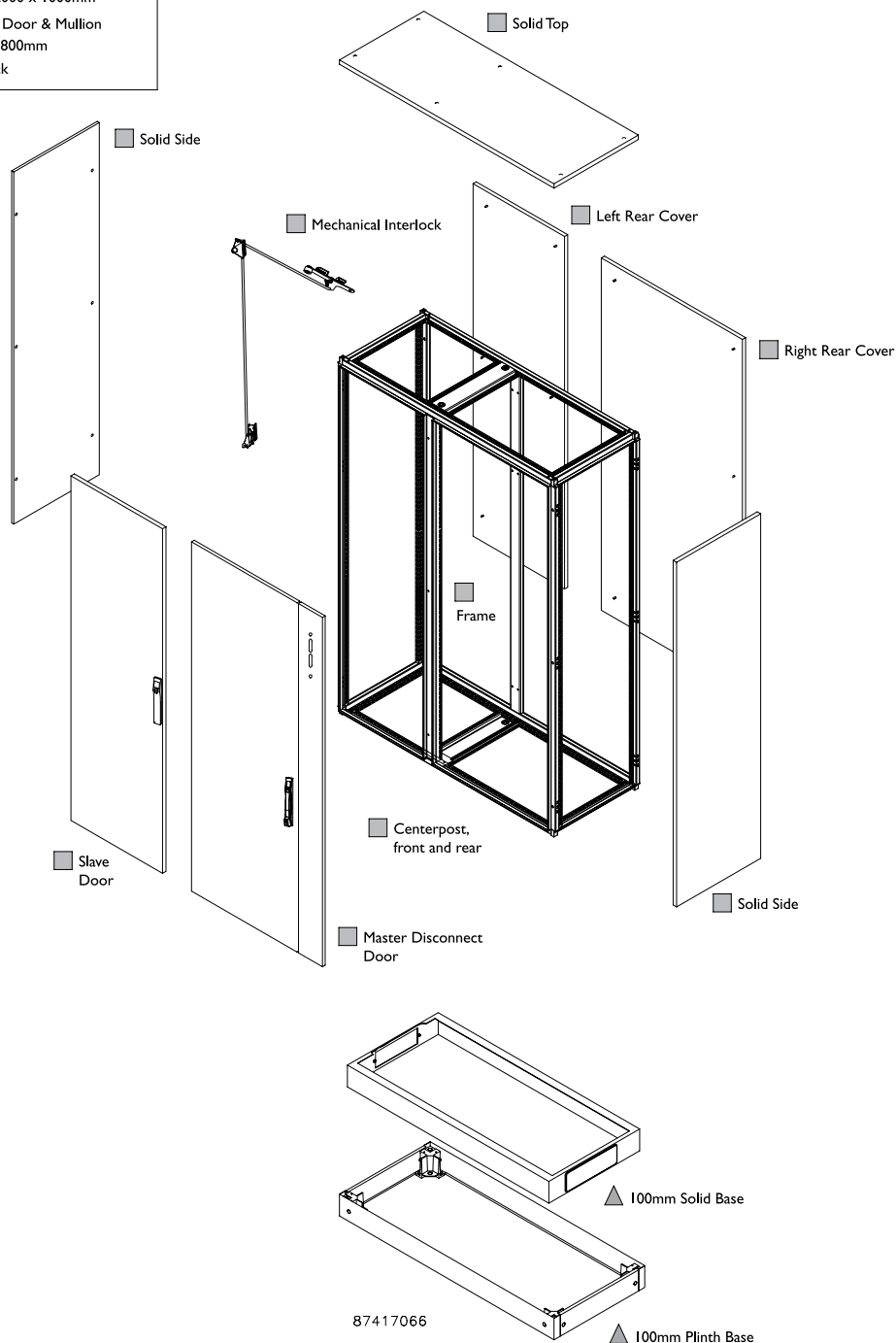
PROLINE-DD Modular Enclosures

**PROLINE ASSEMBLED
ENCLOSURES**
Bulletin
P20, P20DC

Modular Enclosure
Systems

- Standard Configuration**
- Frame with removable centerpost at front and fixed centerpost at rear
 - Solid Top
 - Solid Sides
 - Left Rear Cover; 2000 x 800mm
 - Right Rear Cover; 2000 x 1000mm
 - Master Disconnect Door & Mullion
 - Slave Door; 2000 x 800mm
 - Mechanical Interlock

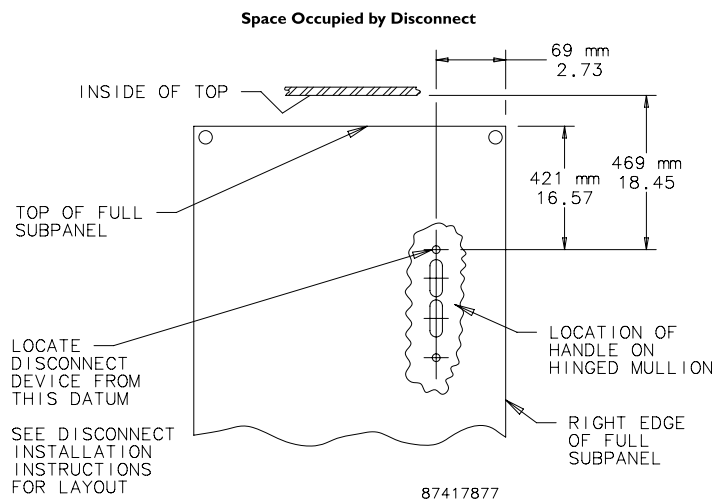
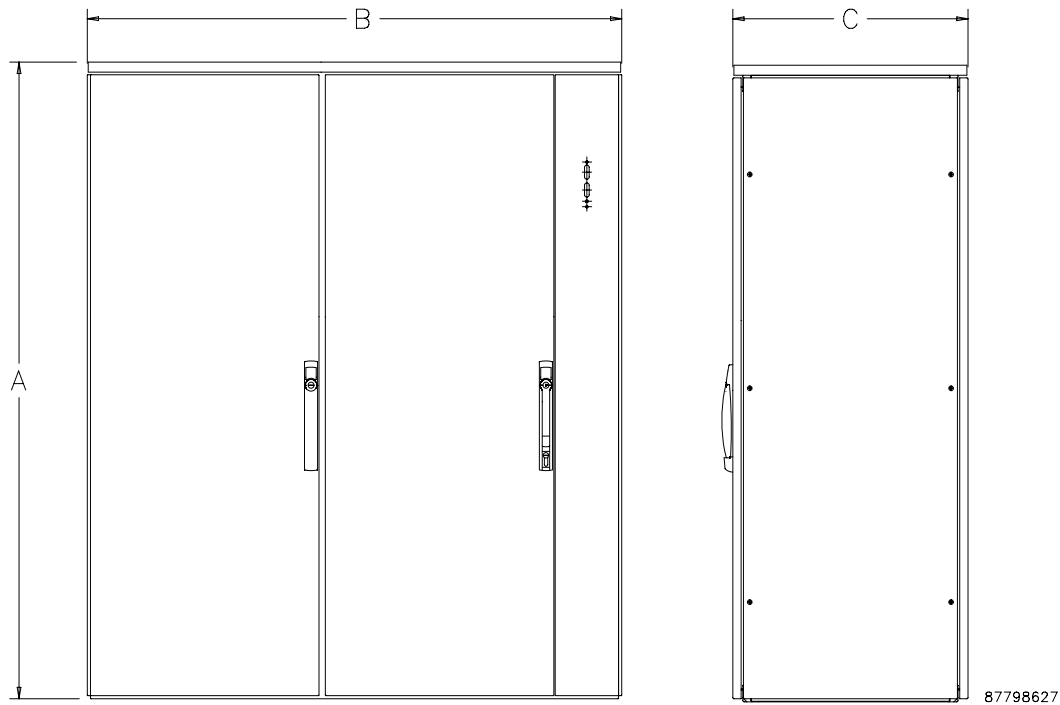
- Optional Components**
- All optional components may be ordered separately. Components labeled **ASTD** may be included in an **ASTD** configuration.



PROLINE-DD Modular Enclosures

**PROLINE ASSEMBLED
ENCLOSURES**
Bulletin
P20, P20DC

PROLINE-DD Modular Enclosure



Detail
Preferred cutout full subpanel

Optional Components Summary PROLINE-DD Modular Enclosures

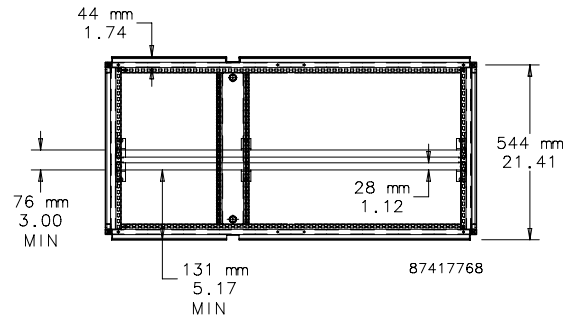
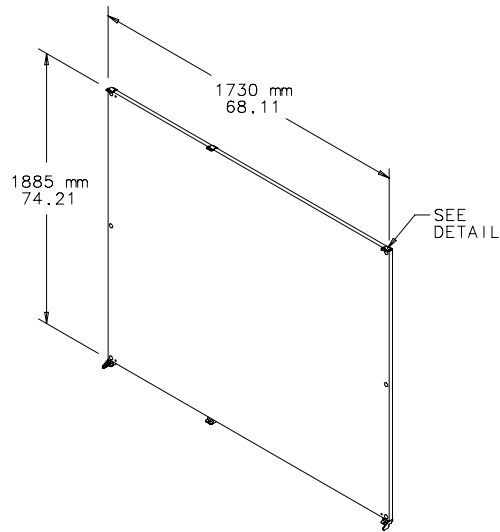
Standard Assembled Enclosure Catalog Number	Subpanel Painted Finish Catalog Number	Subpanel Conductive Finish Catalog Number	100mm Solid Base Catalog Number	100mm Plinth Base Catalog Number
PTDDC20185	PPF2018	PPF2018G	PB1185	PPB1185
PTDDC20186	PPF2018	PPF2018G	PB1185	PPB1186

PROLINE-DD Modular Enclosures

**PROLINE ASSEMBLED
ENCLOSURES**

**Bulletin
P20, P20DC**

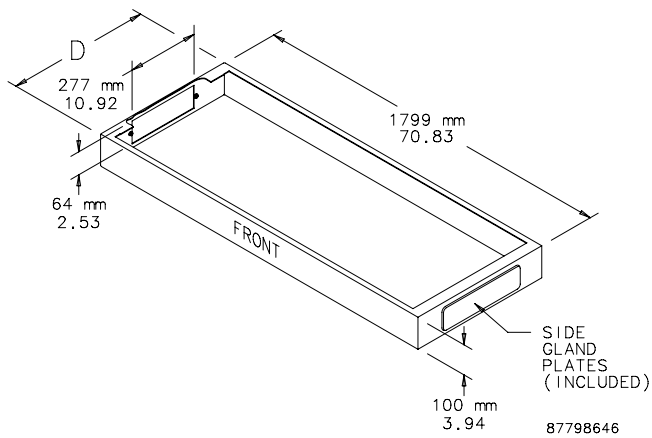
Subpanel



Modular Enclosure
Systems

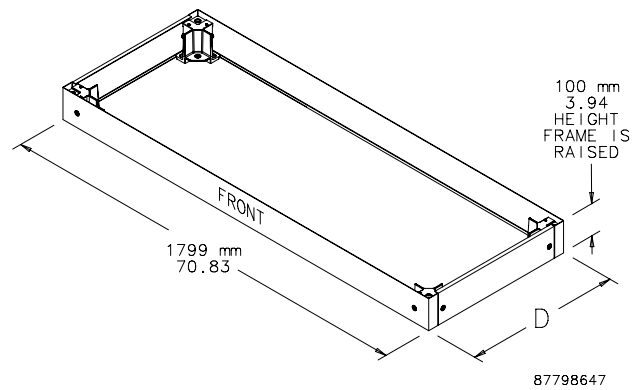
100mm Solid Base dimension drawing

100mm Solid Base



100mm Plinth Base dimension drawing

100mm Plinth Base



PROLINE® Gold Series Computer Workstation Enclosures

**PROLINE GOLD SERIES
ENCLOSURE SYSTEMS**

**Bulletin
P10, P20**



Application

The PROLINE Gold Series Computer Workstation Enclosure offers a fullfeatured, ready-to-use solution for protecting computer systems in an industrial environment. A full set of accessories is available.

Enclosures include an upper front window door, a lower front solid door, a full-length solid rear door, two vented shelves (four on 1200mm-wide models), and a keyboard compartment with a slide-out mouse tray. The upper front has a five-degree slope.

Doors are equipped with a patented PROLINE latching system and keylocking swing handles or quarter-turn latches. The keyboard compartment has two pushbutton latches, one with keylock.

Enclosures are shipped as described. Optional components are shipped as separate items.

Construction

- 14 gauge steel body
- 14 and 16 gauge steel doors and covers
- Seams continuously welded and ground smooth
- Seamless foam-in-place gasket on all doors and covers
- Smoke gray 0.25-in.-thick polycarbonate window on upper front door
- Quarter-turn latches on upper front door for 1400mm high cabinets
- PROLINE latching system and keylocking swing door handles on upper front door for 1600mm and 1800mm high cabinets
- Solid lower front and full rear doors with keylocking swing door handles

- Internal rails facilitate mounting of PROLINE internal components
- Options include solid upper front door and solid front and rear covers with screw fasteners
- Full rear opening provides maximum mounting space and easy access to interior components
- Optional partial subpanel
- Hinges on bottom for 1400mm enclosures
- Solid centerpost on front for 1200mm enclosures

Finish

Cabinet finish is RAL 7035 textured light gray polyester powder paint.

Keyboard door finish is RAL 9005 textured black polyester powder paint.

Industry Standards

UL 508A, File Number E61997: Type 12

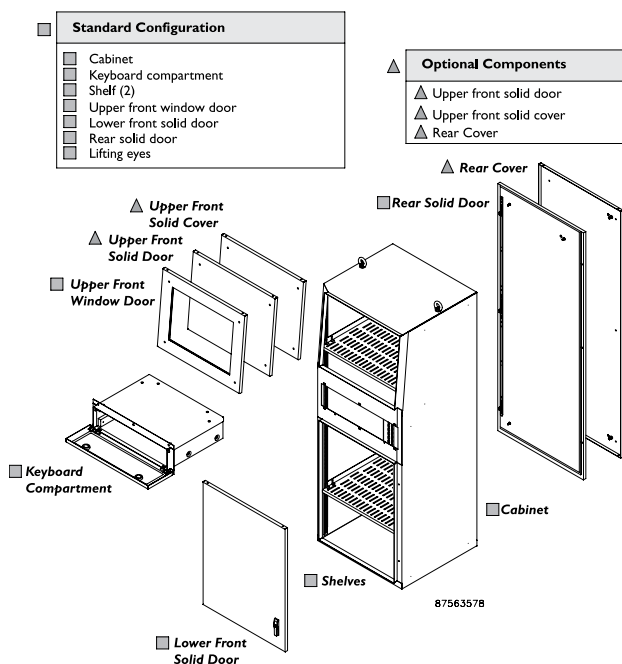
cUL C22.2 No. 94, File No. E61997: Type 12

NEMA/EEMAC Type 12

IEC 60529, IP55

Accessories

Casters
Corrosion Inhibitors
Data Pocket
Electric Heaters
Fan Cooling Products
Grid Straps and Fasteners
Handles and Latches
Key Inserts
180-degree Hinge Kit
Panels
Rack Angles
Touch-Up Paint



PROLINE® Gold Series Computer Workstation Enclosures

PROLINE GOLD SERIES
ENCLOSURE SYSTEMS

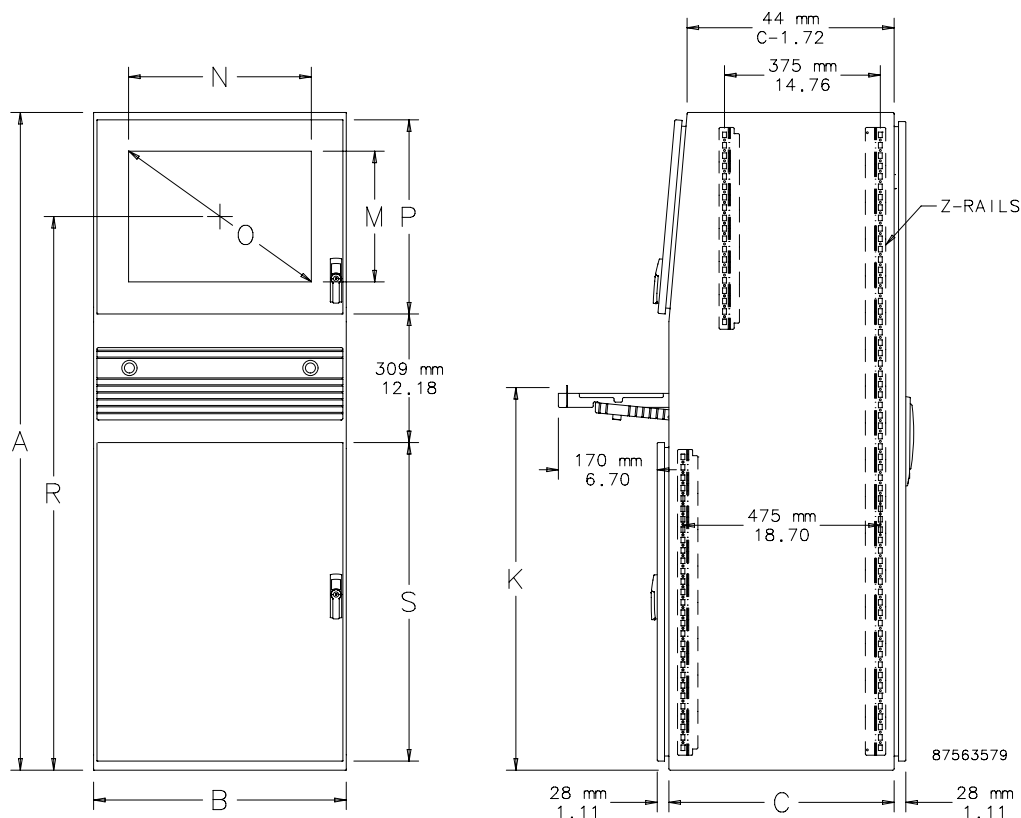
Bulletin
P10, P20

Rev. A 5/07

Standard Sizes PROLINE Gold Series Computer Workstation Enclosures

Catalog Number	Nominal Size Ht. x Width x Depth mm (in.)	A x B x C mm (in.)	K mm (in.)	M mm (in.)	N mm (in.)	O mm (in.)	P mm (in.)	R mm (in.)	S mm (in.)	Top Door Opening Height	Top Door Opening Width	Bottom Door Opening Height	Bottom Door Opening Width	Rear Door Opening Height	Rear Door Opening Width
PGLD1466CWS	1400 x 600 x 600	1526 x 608 x 542 (60.08 x 23.94 x 21.34)	886 (34.88)	319 (12.56)	440 (17.32)	544 (21.42)	471 (18.54)	1288 (50.71)	759 (29.88)	406 (16.00)	536 (21.10)	709 (27.91)	536 (21.10)	1454 (57.25)	536 (21.10)
PGLD1468CWS	1400 x 600 x 800	1526 x 608 x 742 (60.08 x 23.94 x 29.21)	886 (34.88)	319 (12.56)	440 (17.32)	544 (21.42)	471 (18.54)	1288 (50.71)	759 (29.88)	406 (16.00)	536 (21.10)	709 (27.91)	536 (21.10)	1454 (57.25)	536 (21.10)
PGLD1486CWS	1400 x 800 x 600	1526 x 808 x 542 (60.08 x 31.81 x 21.34)	886 (34.88)	319 (12.56)	640 (25.20)	715 (28.15)	471 (18.54)	1288 (50.71)	759 (29.88)	406 (16.00)	736 (28.98)	709 (27.91)	736 (28.98)	1454 (57.25)	736 (28.98)
PGLD1666CWS	1600 x 600 x 600	1583 x 608 x 542 (62.32 x 23.94 x 21.34)	916 (36.06)	316 (12.44)	440 (17.32)	542 (21.34)	468 (18.43)	1331 (52.40)	766 (30.16)	436 (17.17)	536 (21.10)	739 (29.09)	536 (21.10)	1511 (59.49)	536 (21.10)
PGLD1668CWS	1600 x 600 x 800	1583 x 608 x 742 (62.32 x 23.94 x 29.21)	916 (36.06)	316 (12.44)	440 (17.32)	542 (21.34)	468 (18.43)	1331 (52.40)	766 (30.16)	436 (17.17)	536 (21.10)	739 (29.09)	536 (21.10)	1511 (59.49)	536 (21.10)
PGLD1686CWS	1600 x 800 x 600	1583 x 808 x 542 (62.32 x 31.81 x 21.34)	916 (36.06)	316 (12.44)	640 (25.20)	714 (28.11)	468 (18.43)	1331 (52.40)	766 (30.16)	436 (17.17)	736 (28.98)	739 (29.09)	736 (28.98)	1511 (59.49)	736 (28.98)
PGLD1866CWS	1800 x 600 x 600	1785 x 608 x 552 (70.28 x 23.94 x 21.74)	916 (36.06)	517 (20.35)	440 (17.32)	679 (26.73)	669 (26.34)	1431 (56.34)	766 (30.16)	637 (25.08)	536 (21.10)	739 (29.09)	536 (21.10)	1711 (67.36)	536 (21.10)
PGLD1868CWS	1800 x 600 x 800	1785 x 608 x 742 (70.28 x 23.94 x 29.21)	916 (36.06)	517 (20.35)	440 (17.32)	679 (26.73)	669 (26.34)	1431 (56.34)	766 (30.16)	637 (25.08)	536 (21.10)	739 (29.09)	536 (21.10)	1711 (67.36)	536 (21.10)
PGLD1886CWS	1800 x 800 x 600	1785 x 809 x 542 (70.28 x 31.81 x 21.34)	916 (36.06)	517 (20.35)	640 (25.20)	823 (32.40)	669 (26.34)	1431 (56.34)	766 (30.16)	637 (25.08)	736 (28.98)	739 (29.09)	736 (28.98)	1711 (67.36)	736 (28.98)

Inch dimensions in ()



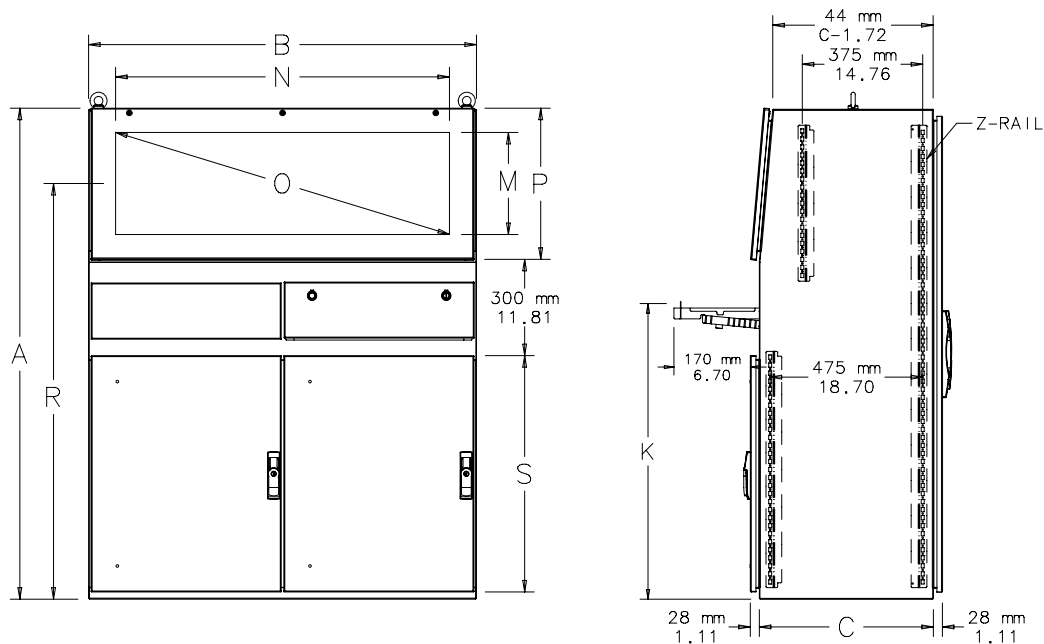
Modular Enclosure
Systems

PROLINE® Gold Series Computer Workstation Enclosures

Standard Sizes PROLINE Gold Series Computer Workstation 1200mm Enclosure

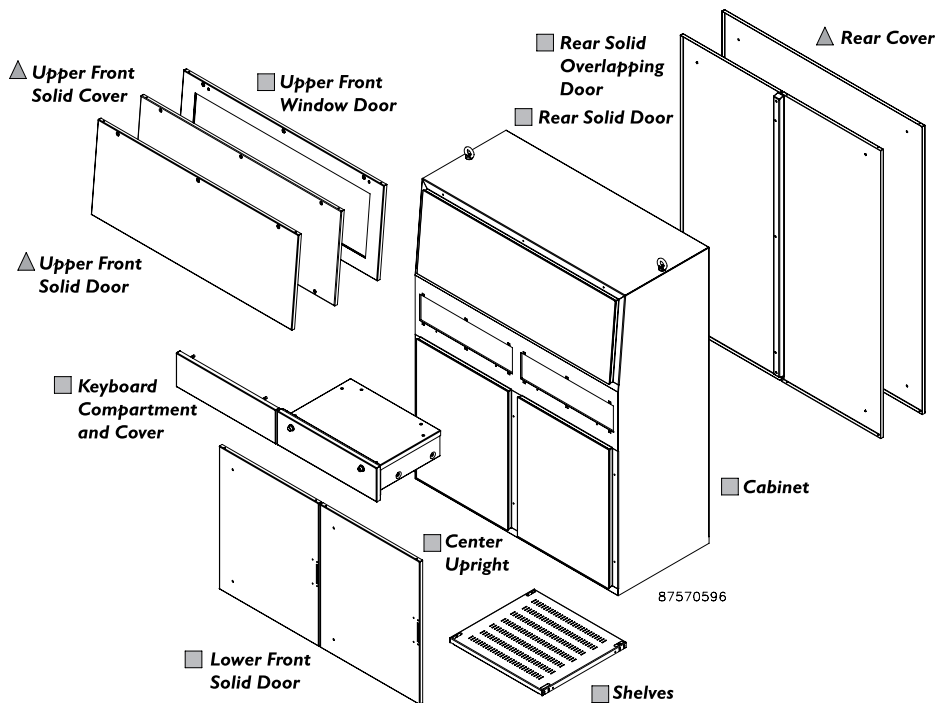
Catalog Number	Nominal Size Ht. x Width x Depth mm (in.)	A x B x C mm (in.)	K mm (in.)	M mm (in.)	N mm (in.)	O mm (in.)	P mm (in.)	R mm (in.)	S mm (in.)	Top Door Opening Height	Top Door Opening Width	Bottom Door Opening Height	Bottom Door Opening Width	Rear Door Opening Height	Rear Door Opening Width
PGLD14126CWS	1400 x 1200 x 600	1526 x 1208 x 542 (60.08 x 47.56 x 21.34)	886 (34.88)	319 (12.56)	1040 (40.94)	1088 (42.83)	471 (18.54)	1288 (50.71)	759 (29.88)	406 (16.00)	1136 (44.72)	709 (27.91)	536 (21.10)	1454 (57.25)	1136 (44.72)

Inch dimensions in ()



87570597

- **Standard Configuration**
 - Cabinet
 - Keyboard compartment
 - Keyboard compartment is on the right side and cover is on the left side
 - Shelf (4)
 - Upper front window door
 - Lower front solid door
 - Rear solid overlapping door
 - Center upright
 - Lifting eyes
- ▲ **Optional Components**
 - ▲ Upper front solid door
 - ▲ Upper front solid cover
 - ▲ Rear Cover



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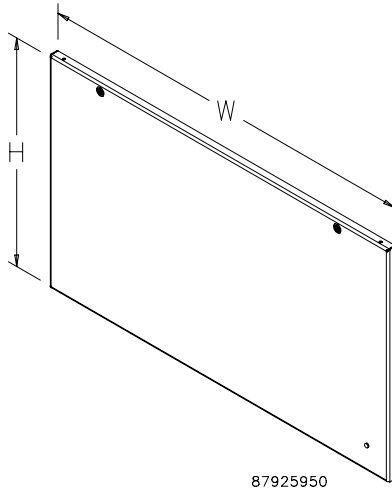
PROLINE® Gold Series Computer Workstation Enclosures

**PROLINE GOLD SERIES
ENCLOSURE SYSTEMS**

**Bulletin
P10, P20**

Solid Doors

PROLINE-style upper front doors have 140-degree hidden hinges and locking swing handle. Material is 16 gauge steel (14 gauge for 800mm widths) with RAL 7035 textured light gray polyester powder paint finish.

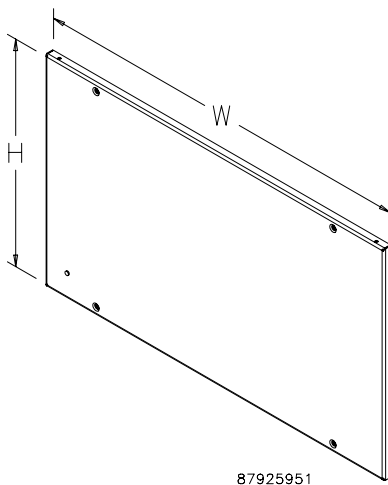


Catalog Number	H x W (mm)	H x W (in.)	Fits Console A x B
PDS46GLD	471 x 592	18.54 x 23.30	1400 x 600
PDS48GLD	471 x 792	18.54 x 31.18	1400 x 800
PDS412GLD	471 x 1192	18.54 x 46.93	1400 x 1200
PDS56GLD	468 x 592	18.43 x 23.31	1600 x 600
PDS58GLD	468 x 792	18.43 x 31.18	1600 x 800
PDS66GLD	669 x 592	26.34 x 23.31	1800 x 600
PDS68GLD	669 x 792	26.34 x 31.18	1800 x 800

**Modular Enclosure
Systems**

Solid Covers A-T-O

Covers are available for upper front and rear openings. Covers mount with screws provided. Material is 16 gauge steel (14 gauge for 800mm and 1200mm widths) with RAL 7035 textured light gray polyester powder paint finish.



Catalog Number	Use on Opening	H (mm)	H (in.)	W (mm)	W (in.)	Fits Console A x B
PCS46CWS	Upper Front	471	18.54	592	23.31	1400 x 600
PCS48CWS	Upper Front	471	18.54	792	31.18	1400 x 800
PCS412GLD	Upper Front	471	18.54	1192	46.93	1400 x 1200
PCS56CWS	Upper Front	468	18.43	592	23.31	1600 x 600
PCS58CWS	Upper Front	468	18.43	792	31.18	1600 x 800
PCS66CWS	Upper Front	669	26.34	592	23.31	1800 x 600
PCS68CWS	Upper Front	669	26.34	792	31.18	1800 x 800
PCS146GLD	Rear	1482	58.35	592	23.31	1400 x 600
PCS1412GLD	Rear	1482	58.35	1196	47.10	1400 x 1200
PCS166	Rear	1539	60.59	592	23.31	1600 x 600
PCS168	Rear	1539	60.59	792	31.18	1600 x 800
PCS186	Rear	1739	68.46	592	23.31	1800 x 600
PCS188	Rear	1739	68.46	792	31.18	1800 x 800

PROLINE® Gold Series Desk Consoles and Accessories



Application

PROLINE Gold Series desk consoles are ergonomically designed for use in either a sitting or standing position. Single-access consoles have a front door and solid back. Dual-access consoles have front and rear doors. The top opens on all consoles.

Construction

- 14 gauge steel body
- 14 and 16 gauge steel doors
- 25° sloped top
- Seams continuously welded and ground smooth
- Top door prop allows for single-handed operation
- Built-in top door handle
- Quarter-turn latches hold top door securely closed
- Patented PROLINE latching system and keylocking swing handles on front doors, and on rear doors of dual-access enclosures
- Internal rails on dual-access enclosures facilitate mounting of PROLINE internal components
- Full access provides maximum mounting space and easy access to interior components

Finish

Finish is RAL 7035 textured light gray polyester powder paint.

Industry Standards

Single-Bay Consoles

UL 508A, File Number E61997: Type 4, 12
cUL C22.2 No. 94, File No. E61997: Type 4, 12
NEMA/EEMAC Type 4, 12
IEC 60529, IP55, IP 66
Type 4 and IP66 pertain only to single-bay, single-access consoles

Double-Bay Consoles

UL 508A, File Number E61997: Type 12
cUL C22.2 No. 94, File No. E61997: Type 12
NEMA/EEMAC Type 12
IEC 60529, IP 55

Accessories

PROLINE internal and external components can be used with desk consoles in addition to the accessories listed.

Casters
Corrosion Inhibitors
Data Pocket
Electric Heaters
Full Back Panels
Fan Cooling Products
Grid Straps and Fasteners
Handles and Latches
INLINE® Quarter-turn Keylock Insert
Key Inserts
Rack Angles
Touch-Up Paint

PROLINE® Gold Series Desk Consoles and Accessories

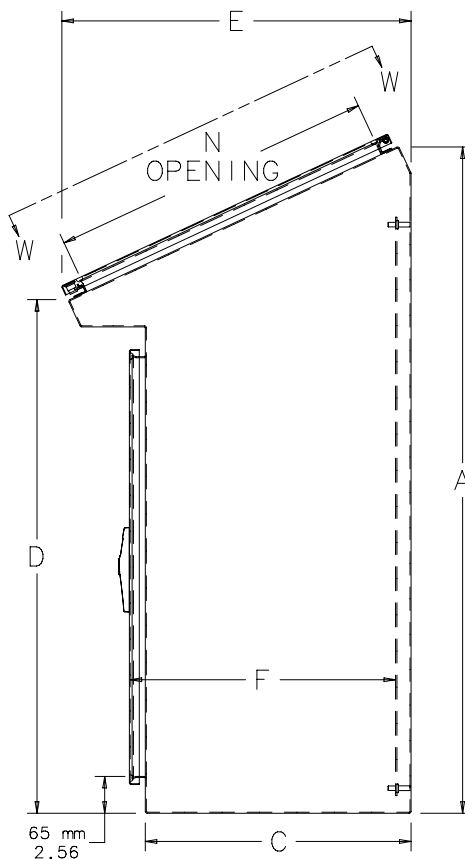
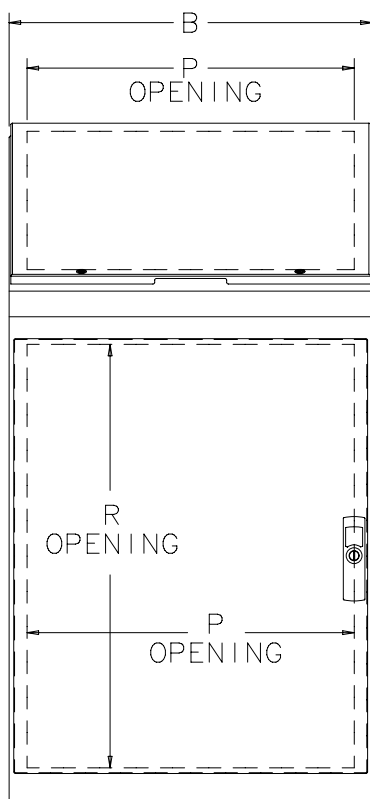
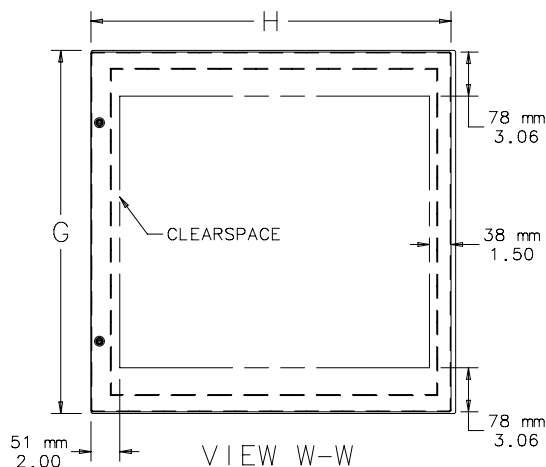
**PROLINE GOLD SERIES
ENCLOSURE SYSTEMS**

**Bulletin
PII, P20**

Standard Sizes Single-Bay Single-Access Consoles

Catalog Number	A x B x C mm (in.)	D (mm)	D (in.)	E (mm)	E (in.)	F (mm)	F (in.)	G (mm)	G (in.)	H (mm)	H (in.)	N (mm)	N (in.)	P (mm)	P (in.)	R (mm)	R (in.)
PGLD1074DC	1013 x 641 x 393 (39.88 x 25.23 x 15.47)	779	30.69	540	21.27	384	15.12	635	25.00	552	21.72	485	19.11	569	22.40	611	24.07
PGLD10104DC	1013 x 946 x 393 (39.88 x 37.24 x 15.47)	779	30.69	540	21.27	384	15.12	940	37.00	552	21.72	485	19.11	874	34.41	611	24.07
PGLD1275DC	1176 x 641 x 469 (46.29 x 25.23 x 18.47)	907	35.69	616	24.26	460	18.11	635	25.00	635	25.00	569	22.41	569	22.40	739	29.09
PGLD12105DC	1176 x 946 x 469 (46.29 x 37.24 x 18.47)	907	35.69	616	24.26	460	18.11	940	37.00	635	25.00	569	22.41	874	34.41	739	29.09

**Modular Enclosure
Systems**



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PROLINE® Gold Series Desk Consoles and Accessories

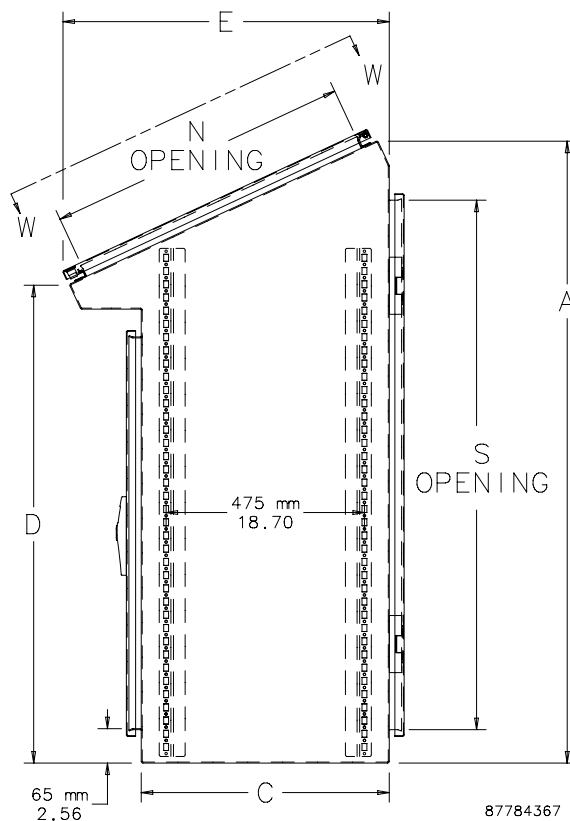
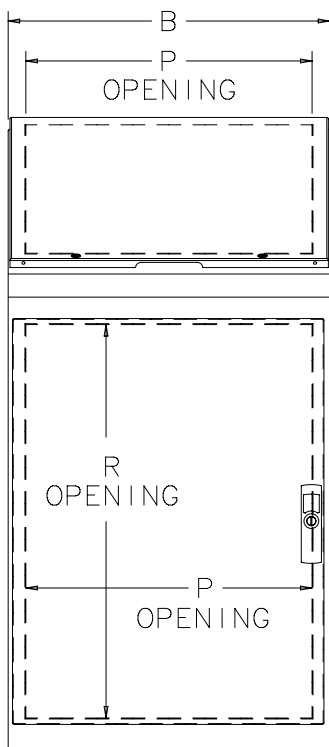
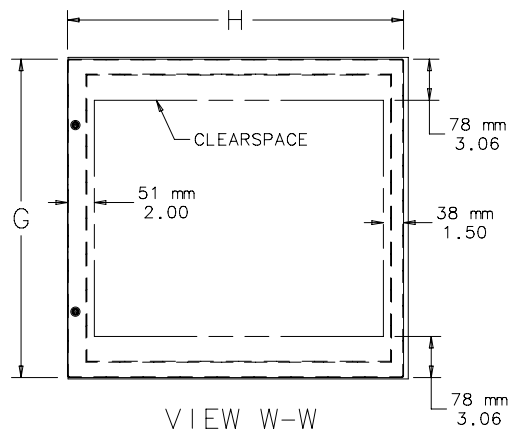
**PROLINE GOLD SERIES
ENCLOSURE SYSTEMS**

**Bulletin
PII, P20**

Rev. A 12/07

Standard Sizes Single-Bay Dual-Access Consoles

Catalog Number	A x B x C mm (in.)	D (mm)	D (in.)	E (mm)	E (in.)	G (mm)	G (in.)	H (mm)	H (in.)	N (mm)	N (in.)	P (mm)	P (in.)	R (mm)	R (in.)	S (mm)	S (in.)
PGLD1265DC	1176 x 608 x 469 (46.29 x 23.94 x 18.47)	907	35.71	616	24.26	602	23.70	635	25.00	569	22.40	536	21.10	739	29.09	998	39.29
PGLD1285DC	1176 x 808 x 469 (46.29 x 31.81 x 18.47)	907	35.71	616	24.26	802	31.57	635	25.00	569	22.40	736	28.98	739	29.09	998	39.29



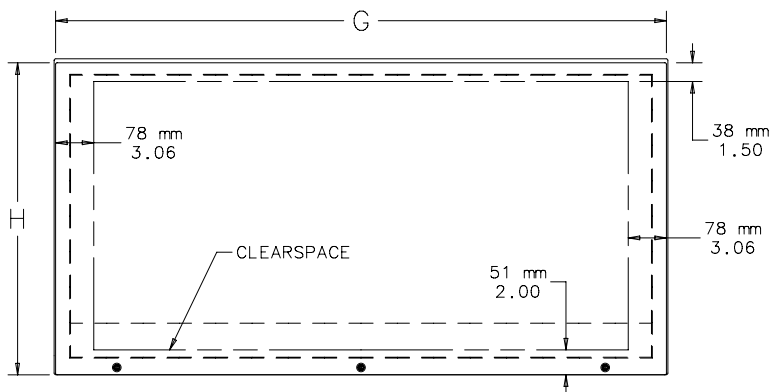
PROLINE® Gold Series Desk Consoles and Accessories

**PROLINE GOLD SERIES
ENCLOSURE SYSTEMS**

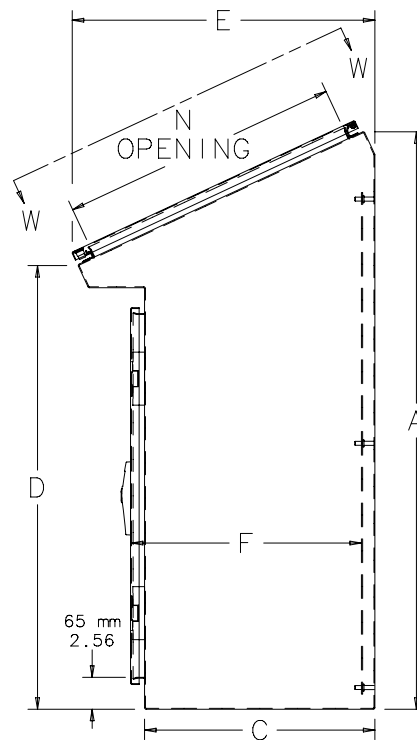
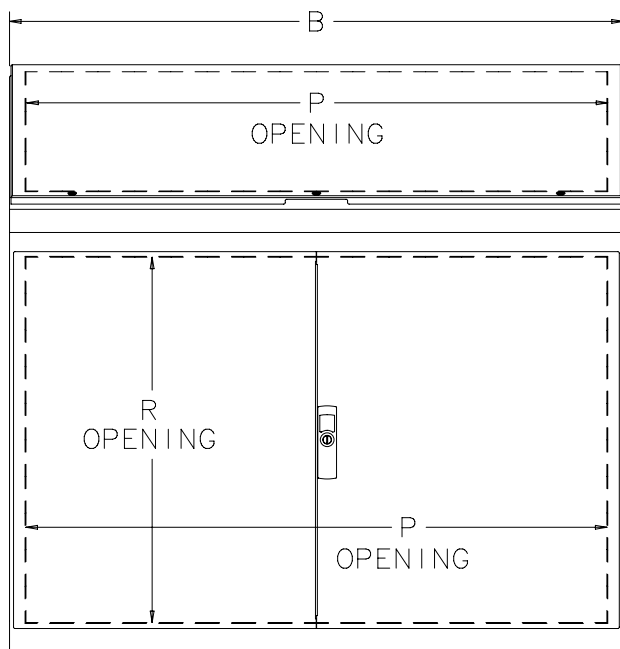
**Bulletin
PII, P20**

Standard Sizes Double-Bay Single-Access Consoles

Catalog Number	A x B x C mm (in.)	D (mm) (in.)	E (mm) (in.)	F (mm) (in.)	G (mm) (in.)	H (mm) (in.)	N (mm) (in.)	P (mm) (in.)	R (mm) (in.)
PGLD12135DC	1176 x 1250 x 469 (46.29 x 49.21 x 18.47)	907 35.69	616 24.26	460 18.11	1244 48.97	635 25.00	569 22.40	1178 46.38	739 29.09
PGLD12165DC	1176 x 1555 x 469 (46.29 x 61.21 x 18.47)	907 35.69	616 24.26	460 18.11	1549 60.98	635 25.00	569 22.40	1178 46.38	739 29.09



VIEW W-W



87784369

**Modular Enclosure
Systems**

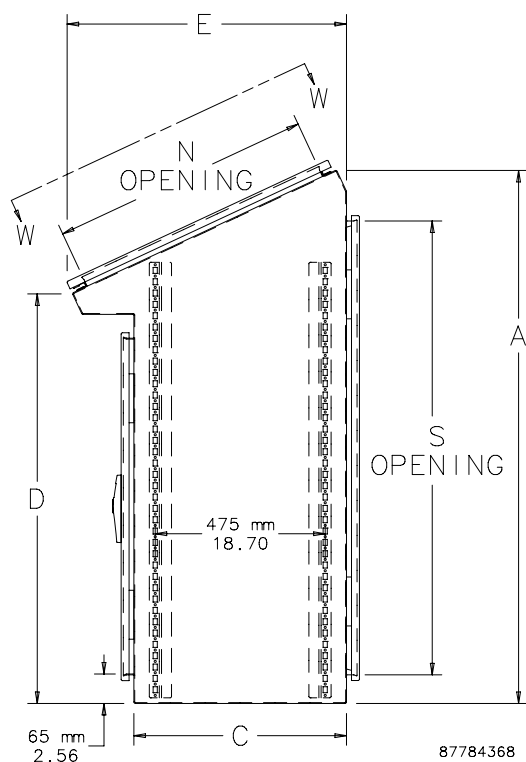
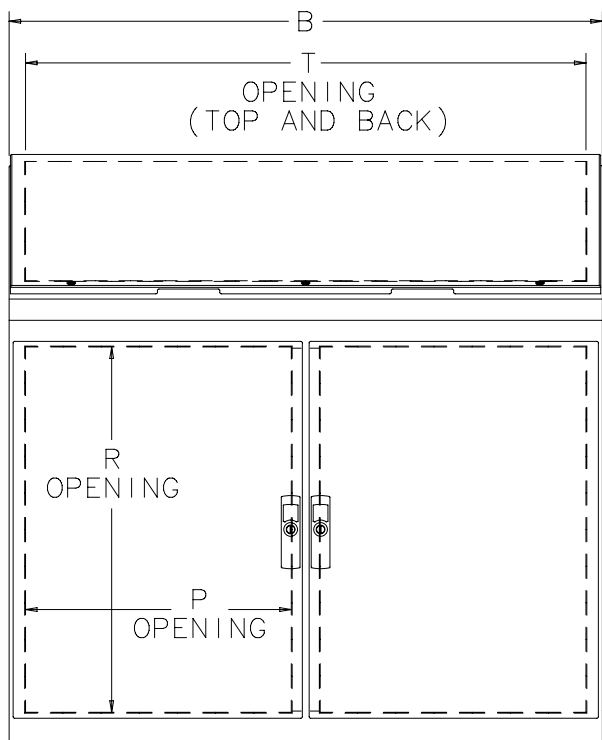
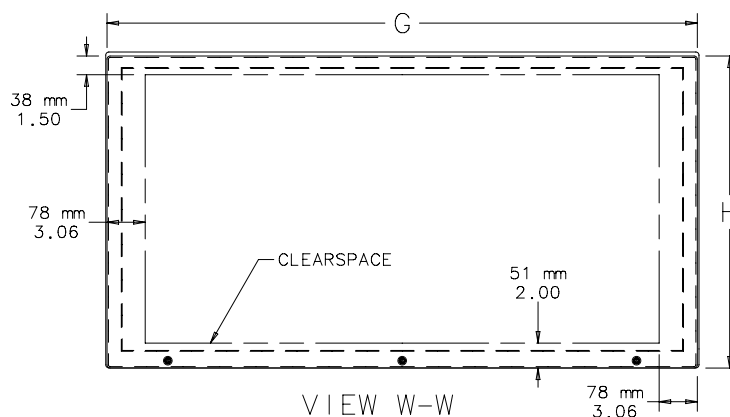
PROLINE® Gold Series Desk Consoles and Accessories

PROLINE GOLD SERIES
ENCLOSURE SYSTEMS

Bulletin
P11, P20

Standard Sizes Double-Bay Dual-Access Consoles

Catalog Number	A x B x C mm (in.)	D (mm)	D (in.)	E (mm)	E (in.)	G (mm)	G (in.)	H (mm)	H (in.)	N (mm)	N (in.)	P (mm)	P (in.)	R (mm)	R (in.)	S (mm)	S (in.)	T (mm)	T (in.)
PGLD12125DC	1175 x 1208 x 469 (46.26 x 47.56 x 18.46)	907	35.71	616	24.25	1202	47.32	635	25.00	569	22.40	1178	46.38	739	29.09	998	39.29	1136	44.72



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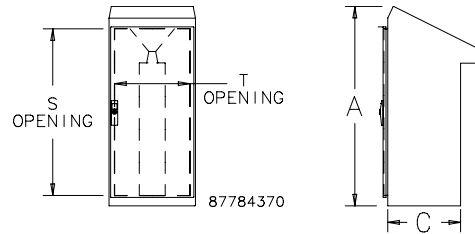
PROLINE® Gold Series Desk Consoles and Accessories

Wedge Consoles



Optional wedge consoles can be positioned between desk consoles. The wedge console top has a 25° slope. Optional levelers or casters can be attached by drilling holes at pre-marked locations in the console bottom. Hinged rear access door is standard.

Catalog Number	A (mm)	A (in.)	C (mm)	C (in.)	S (mm)	S (in.)	T (mm)	T (in.)
PGLD45DC	1198	47.17	443	17.07	998	39.27	449	17.66



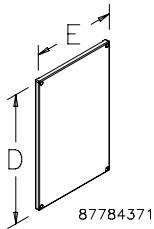
Joining Kit



Optional joining kit provides a means for joining desk consoles or wedges together side to side. Kit includes six bolts, sealing washers, and nuts. Two joining kits are required for a wedge console. Order separately.

Catalog Number	Description
PJKDC	PROLINE Desk Console Joining Kit

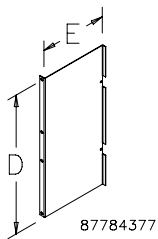
Full Back Panel



Optional full back panel is 12 gauge galvanized steel. Mounting hardware is included with the panel. Order separately.

Catalog Number	D (mm)	D (in.)	E (mm)	E (in.)	Enclosure Catalog Number
PP96G	869	34.20	564	22.20	PGLD1074DC
PP99G	869	34.20	869	34.20	PGLD10104DC
PP116G	1021	40.20	564	22.20	PGLD1275DC
PP119G	1021	40.20	869	34.20	PGLD12105DC
PP1112G	1021	40.20	1173	46.20	PGLD12135DC
PP1115G	1021	40.20	1478	58.20	PGLD12165DC
PPP96G	835	32.87	530	20.87	PGLD1265DC
PPP98G	835	32.87	730	28.74	PGLD1285DC
PPP812G	835	32.87	1130	44.49	PGLD12125DC

Side-Mount Panel



Optional side-mount panel is 12 gauge galvanized steel. Mounting hardware is included with the panel. Order separately.

Catalog Number	D (mm)	D (in.)	E (mm)	E (in.)
PPSM64G	720	28.36	349	13.76
PPSM84G	807	31.77	422	16.62

Caster Kit **A-T-O**



A set of four casters (two locking, two non-locking) that mount directly to the bottom of a PROLINE frame, 0mm, or 100mm solid base or a console. Do not use on plinth bases. Casters elevate the enclosure 110mm (4.33 in.) when installed. Caster frames are plated steel with ball-bearing pivots. Caster wheels are made of a black polyamide material. Kit includes M12 mounting hardware. A set of four casters supports a maximum load of 1000 lbs. (453.6 kg). Order separately.

Catalog Number	Description
PC1M12	PROLINE Caster Kit