2-Post Open Frame Racks

2-Post Open Frame Rack

Two-Post Rack with shelves

Populated Two-Post Rack with vertical cable management

Industry Standards

UL 1863 Listed; File No. E230874
cUL Listed per CSA C22.2 No. 182.4; File No. E230874

EIA 310-D

Application

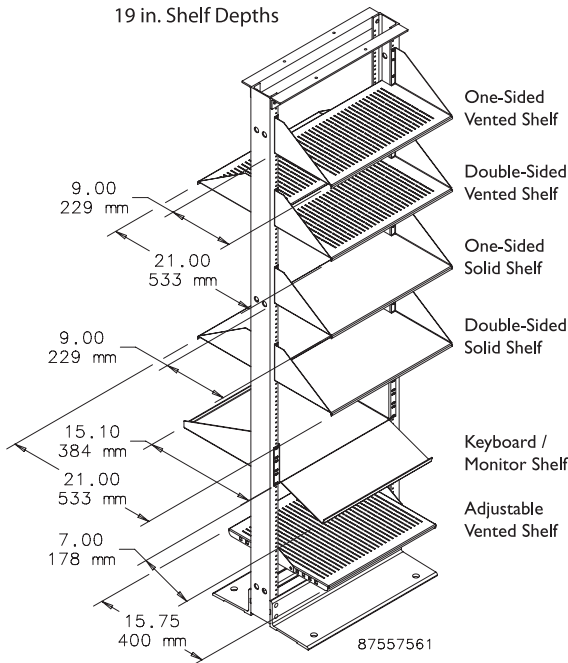Designed for use in communication data centers and telecommunication rooms, 2-Post Open Frame Racks satisfy basic functional requirements for structuring cable.

Features

- Range of heights from 4 ft. to 9 ft. (24U to 58U) to match capacity requirements; 19-in. Rack Packages are 7-ft. high
- Side rails are tapped on both sides with 12-24UNC threads for quick installation
- EIA Universal 5/8 in. - 5/8 in. - 1/2 in. vertical mounting hole pattern matches industry standards
- RU markings on both front and back of uprights make it easier to mount equipment
- Packed unassembled in individual cartons; assembly hardware (including twenty 12-24 mounting screws) is furnished for convenient storage and installation
- Can be shipped via FedEx or UPS
- Convenient rack and cable manager packages offered with either one or two 6-in. cable managers
- Includes one-piece hinged cover

Specifications

- Frame is a strong and lightweight aluminum (6063-T6 alloy) extrusion with RU markings on both front and back of uprights

Finish

RAL 9005 black polyester powder paint or milled aluminum

Load Rating

Do not exceed the following recommended load ratings.

Floor Mount Rack - 1000 lb. (453.6 kg)
One-Sided Solid Shelf - 150 lb. (68.0 kg)
Double-Sided Shelf - 300 lb. (136.1 kg)
One-Sided Vented Shelf - 150 lb. (68.0 kg)
Double-Sided Vented Shelf - 300 lb. (136.1 kg)
Adjustable Vented Shelf - 60 lb. (27.2 kg)
Keyboard/Monitor Shelf - 200 lb. (90.7 kg)

Bulletin: DOFR2

Standard Product

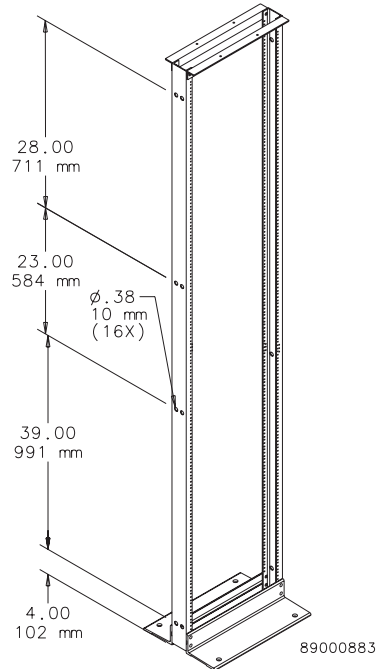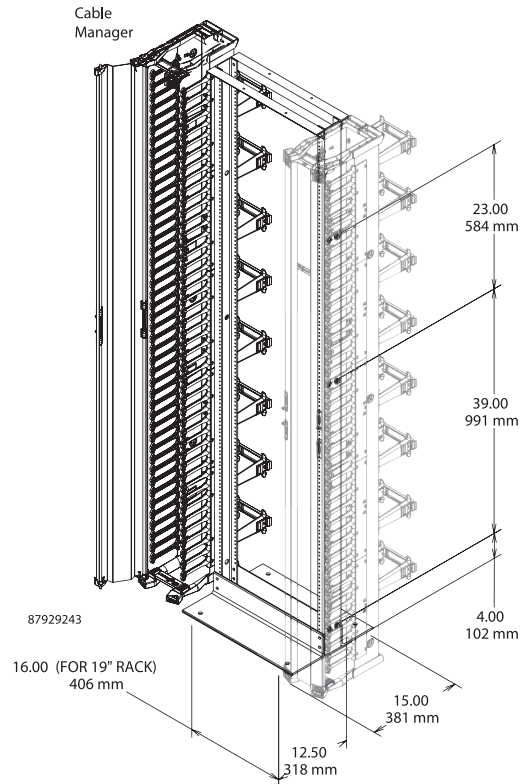| Catalog Number	AxBxC in.	AxBxC mm	Description	Finish	Rack Units	Nominal Frame Height
EDR19FM24U	48.00 x 20.25 x 15.00	1219 x 514 x 381	19-in. rack	Black	24	4 ft.
EDR19FM38U	72.00 x 20.25 x 15.00	1829 x 514 x 381	19-in. rack	Black	38	6 ft.
EDR19FM45U	84.00 x 20.25 x 15.00	2134 x 514 x 381	19-in. rack	Black	45	7 ft.
EVR19FM45U	84.00 x 20.25 x 15.00	2134 x 514 x 381	19-in. rack	Mill	45	7 ft.
EDR19FM51U	96.00 x 20.25 x 15.00	2438 x 514 x 381	19-in. rack	Black	51	8 ft.
EVR19FM51U	96.00 x 20.25 x 15.00	2438 x 514 x 381	19-in. rack	Mill	51	8 ft.
EDR19FM58U	108.00 x 20.25 x 15.00	2743 x 514 x 381	19-in. rack	Black	58	9 ft.
EVR19FM58U	108.00 x 20.25 x 15.00	2743 x 514 x 381	19-in. rack	Mill	58	9 ft.
EDR23FM24U	48.00 x 24.25 x 15.00	1219 x 616 x 381	23-in. rack	Black	24	4 ft.
EDR23FM38U	72.00 x 24.25 x 15.00	1829 x 616 x 381	23-in. rack	Black	38	6 ft.
EDR23FM45U	84.00 x 24.25 x 15.00	2134 x 616 x 381	23-in. rack	Black	45	7 ft.
EVR23FM45U	84.00 x 24.25 x 15.00	2134 x 616 x 381	23-in. rack	Mill	45	7 ft.
EDR23FM51U	96.00 x 24.25 x 15.00	2438 x 616 x 381	23-in. rack	Black	51	8 ft.
EVR23FM51U	96.00 x 24.25 x 15.00	2438 x 616 x 381	23-in. rack	Mill	51	8 ft.
EDR19FM45UCM1	84.00 x 27.50 x 18.00	2134 x 699 x 457	19-in. rack package, 1 cable manager	Black	45	7 ft.
EDR19FM45UCM2	84.00 x 34.75 x 18.00	2134 x 883 x 457	19-in. rack package, 2 cable managers	Black	45	7 ft.
EVR19FM45UCM1	84.00 x 27.50 x 18.00	2134 x 699 x 457	19-in. rack package, 1 cable manager	Mill	45	7 ft.

2-Post Open Frame Racks

6.00
152 mm

17.75 (19")
451 mm
21.75 (23")
552 mm
INSIDE

23.00
584 mm

ø.38
10 mm
(12X)

3.00
76 mm

39.00
991 mm

4.00
102 mm

ø.75 (TYP 4)
19 mm

12.50
318 mm

15.00
381 mm

20.25 (19")
514 mm
24.25 (23")
616 mm

16.00 (19")
406 mm
20.00 (23")
508 mm

87557560
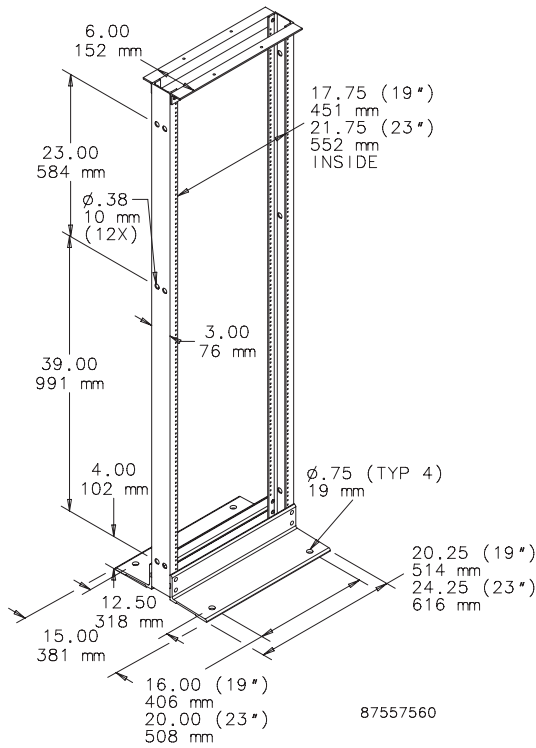
2-Post Rack Package
(CableTek Vertical Cable Manager shown with alternate
mounting locations)

Cable
Manager

23.00
584 mm

39.00
991 mm

4.00
102 mm

87929243

16.00 (FOR 19" RACK)
406 mm

15.00
381 mm

12.50
318 mm

19 in. Shelf Depths

One-Sided
Vented Shelf

9.00
229 mm

Double-Sided
Vented Shelf

21.00
533 mm

One-Sided
Solid Shelf

9.00
229 mm

Double-Sided
Solid Shelf

15.10
384 mm

Keyboard /
Monitor Shelf

21.00
533 mm

Adjustable
Vented Shelf

7.00
178 mm

15.75
400 mm

87557561

28.00
711 mm

23.00
584 mm

ø.38
10 mm
(16X)

39.00
991 mm

4.00
102 mm

89000883

8-Foot and 9-Foot Racks Only

(Width and Depth dimensions
identical to 7-Foot Rack)

Hoffman®

Heavy Duty 2-Post Open Frame Rack

Industry Standards

UL 1863 Listed; File No. E230874 cUL Listed per CSA C22.2 No. 182.4 Listed; File No. E230874

EIA 310-D

Application

For use in communication data center and telecommunication room applications, Heavy Duty 2-Post Racks feature vertical channels that protect and manage cables and can accommodate 19- or 23-in. equipment. This rack can also be ganged with standard 2- or 4-post racks to expand existing systems.

Features

- Load rating 2500 lb. (1134 kg) per UL 1863 testing requirements
- Available with either RAL 9005 smooth polyester powder paint or brushed aluminum finish
- Both 7-ft. (2.1-mm) and 8-ft. (2.4-mm) high models available
- Can be assembled with either 19- or 23-in. spacing
- Six-inch deep vertical rails allow room for cable management
- Predrilled holes in base for fastening to floor
- Shipped flat for easy transport to job site
- Complete assembly instructions and all mounting hardware included
- Fully compatible with existing 19-in. or 23-in. accessories, depending on configuration
- Includes 12 movable cable eyes

Specifications

- Made of light-weight aluminum (5052-H32 alloy)
- Universal EIA 5/8 in. - 5/8 in. - 1/2 in. hole spacing on both sides of vertical rails
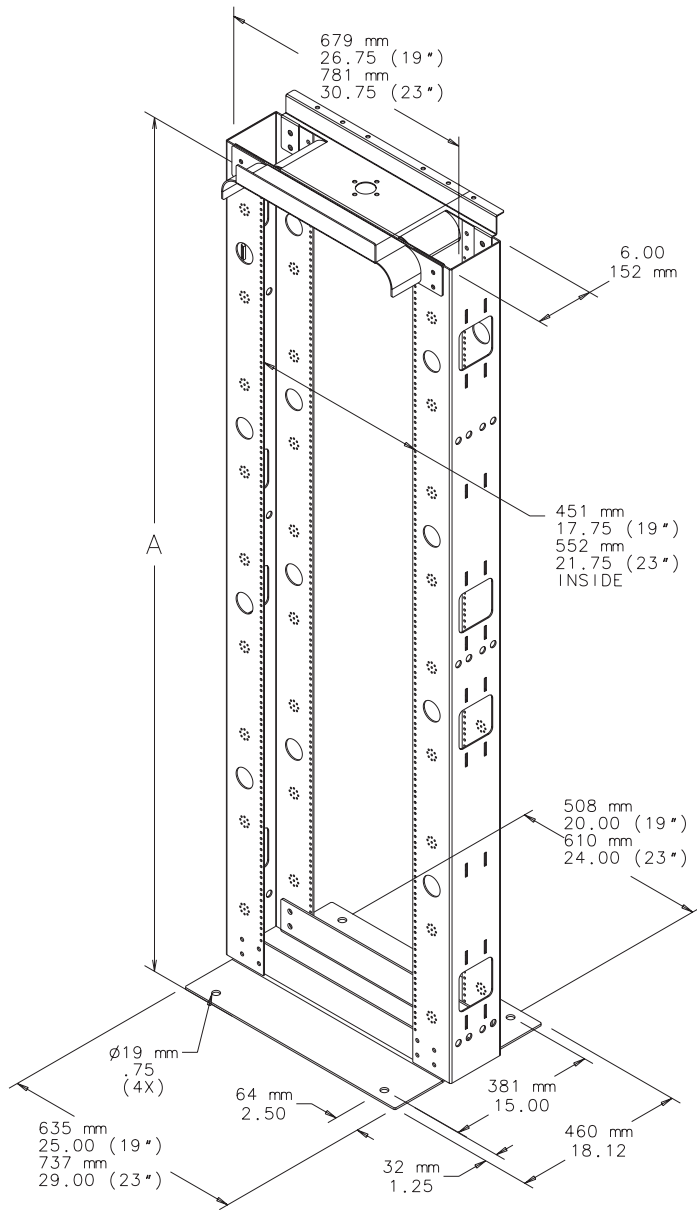
Finish

RAL 9005 smooth black polyester paint or brushed aluminum

Bulletin: DOFRS

Standard Product

Catalog Number	AxBxC in.	AxBxC mm	Finish	Rack Units	Nominal Frame Height A
EMDR19FM44U	86.00 x 26.75 x 18.12	2184 x 679 x 460	Black paint	44	7 ft.
EMDR19FM50U	98.00 x 26.75 x 18.12	2489 x 679 x 460	Black paint	50	8 ft.

2-Post Open Frame Racks

679 mm
26.75 (19")
781 mm
30.75 (23")

6.00
152 mm

A

451 mm
17.75 (19")
552 mm
21.75 (23")
INSIDE

508 mm
20.00 (19")
610 mm
24.00 (23")

Ø19 mm
.75
(4X)

64 mm
2.50

381 mm
15.00

635 mm
25.00 (19")
737 mm
29.00 (23")

460 mm
18.12

32 mm
1.25

87574164

One-Sided
Vented Shelf
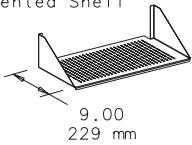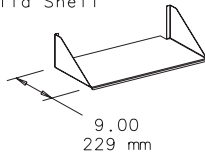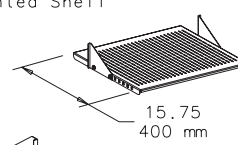
9.00
229 mm

Double-Sided
Vented Shelf

21.00
533 mm

One-Sided
Solid Shelf

9.00
229 mm

Double-Sided
Solid Shelf

21.00
533 mm

Adjustable
Vented Shelf

15.75
400 mm

Keyboard/
Monitor Shelf

15.10
384 mm

7.00
178 mm
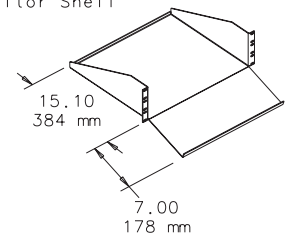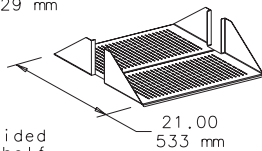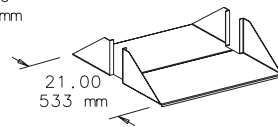
87784347

4-Post Open Frame Racks

4-Post Open Frame Rack

Rack depth fully adjustable

Industry Standards

| UL 1863 Listed; File No. E230874 |
| cUL Listed per CSA C22.2 No. 182.4; File No. E230874 |

EIA 310-D

Application
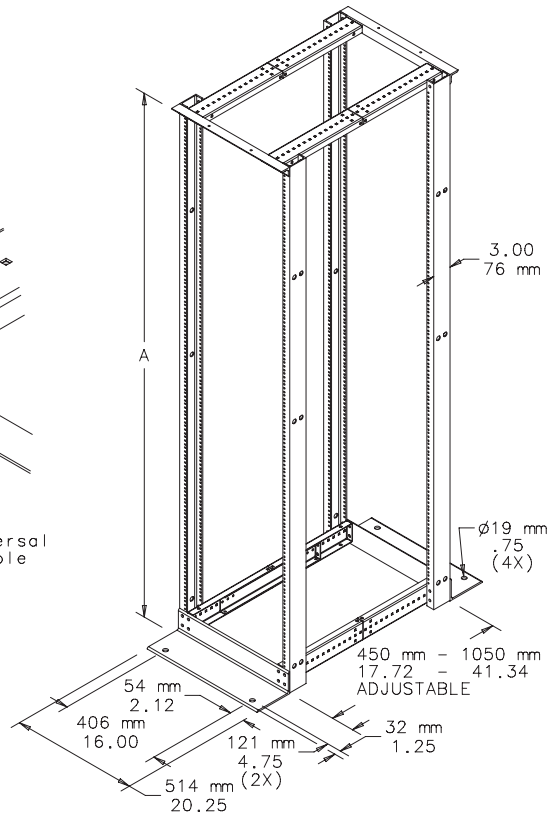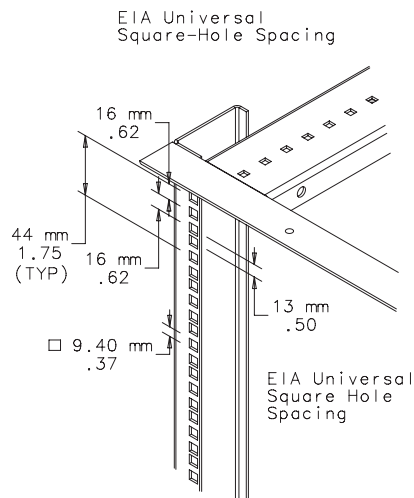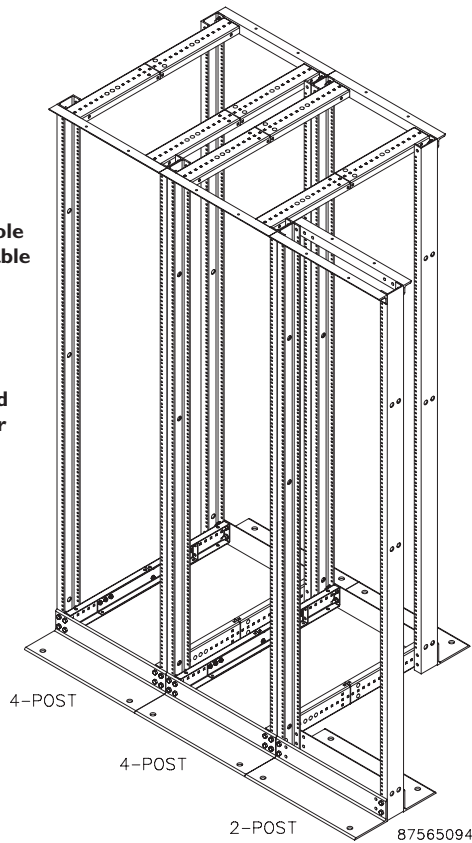
4-Post Open Frame Racks combine the mounting security of a cabinet with the accessibility of a rack. Used in communication data center and telecommunication room applications, these adjustable-depth racks support deeper, heavier network equipment and can be ganged with standard 2-post or other 4-post racks to expand existing systems.

Features

- Depth adjustable 450 mm to 1050 mm (17.7 in. to 41.3 in.) in 25-mm (.98-in.) increments
- EIA universal 5/8 - 5/8 - 1/2 in. spaced 12-24 tapped holes or .375-in. square holes fit 19-in. rack equipment
- Compatible with 19-in. rack accessories
- Available with nominal frame height of 6, 7 and 8 ft.
- RU markings on both front and back of tapped-hole uprights make it easier to mount equipment
- Floor mounting holes predrilled at .750-in. diameter
- 12-24 rack mounting screws (pkg. of 20) included with tapped-hole model
- For square hole model, order screws and cage nuts separately
- Can be ganged with both 2- and 4-Post Open Frame racks
- Includes complete assembly instructions
- Shipped unassembled for convenient transport to job site

Specifications

- Uprights on the tapped-hole model are made of lightweight extruded aluminum (6063-T6 alloy) and include RU markings on both front and back of uprights
- Uprights on the square-hole model are made from 12 gauge steel
- Top and bottom angles made of extruded aluminum (6063-T6 alloy)

Finish

Smooth RAL 9005 black polyester powder paint finish.

Load Rating

2500 lb. (1134 kg)

Bulletin: DOFR4

Standard Product

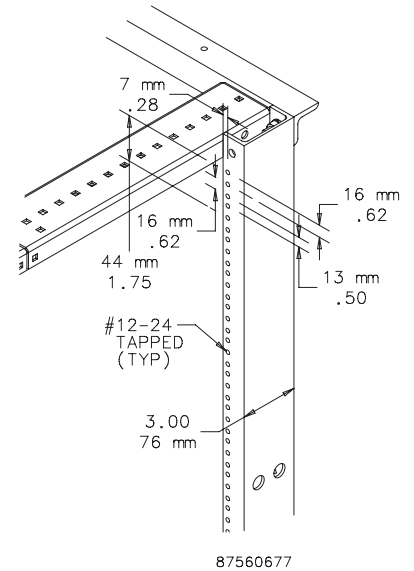| Catalog Number	AxB mm	AxB in.	Mounting Hole Type	Rack Units	Nominal Frame Height A
E4DR19FM38U	1826 x 514	71.88 x 20.25	Tapped	38	6 ft.
E4DR19FM45U	2131 x 514	83.88 x 20.25	Tapped	45	7 ft.
E4DR19FM51U	2438 x 514	96.00 x 20.25	Tapped	51	8 ft.
E4DRS19FM45U	2131 x 514	83.88 x 20.25	Square	45	7 ft.
E4DRS19FM51U	2438 x 514	96.00 x 20.25	Square	51	8 ft.

4-Post Open Frame Racks

Both tapped and square hole models available
(tapped hole model shown)

4-post racks can be ganged with 2-post or other 4-post racks

4-POST

4-POST

2-POST

87565094

EIA Universal
Square-Hole Spacing

16 mm
.62

44 mm
1.75
(TYP)

16 mm
.62

13 mm
.50

☐ 9.40 mm
.37

EIA Universal
Square Hole
Spacing

A

3.00
76 mm

ø19 mm
.75
(4X)

450 mm – 1050 mm
17.72 – 41.34
ADJUSTABLE

54 mm
2.12

406 mm
16.00

121 mm
4.75 (2X)

514 mm
20.25

32 mm
1.25

EIA Universal
Tapped-Hole Spacing

7 mm
.28

16 mm
.62

44 mm
1.75

16 mm
.62

13 mm
.50

#12-24
TAPPED
(TYP)

3.00
76 mm

87560677

Open Frame Rack Accessories

4-Post Open Frame Rack Front-to-Back Cable Manager

Cable Manager provides holes for mounting D-Rings and Spools to facilitate routing and managing cable in a 4-Post Open Frame Rack. Mounts to rack uprights. Made of steel with RAL 9005 black polyester paint finish. Includes six large D-Rings.

Bulletin: DOFRY

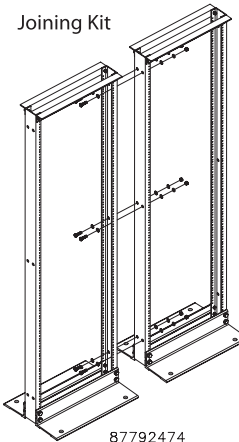| Catalog Number	Height mm/in.	Width mm/in.	Adjusts to Fit 4-Post Depth	Pkg. Qty,
E4FBCM	74 2.90	22 .85	750-1050	1
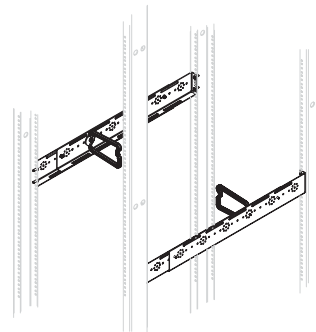
87799410

Joining Kit

Hardware kit to join two open-frame racks. Made of steel with plated finish.

Bulletin: DOFRY

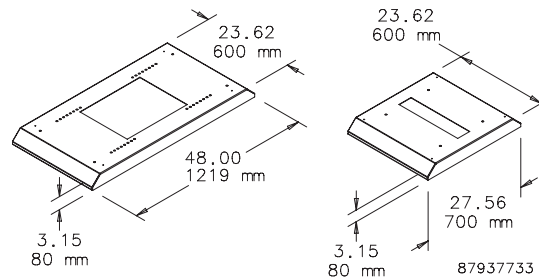| Catalog Number	Description
EJ2DR	Joining Kit, Side-to-Side

Joining Kit

87792474

Mobile Base for Open Frame Racks

Models for 19-in. 2- and 4-Post Open Frame Racks. Includes four non-locking casters. Will also accept standard levelers. Order catalog number PLM12 separately. The rack mounts on the base to provide greater stability with mobility. Made of steel with RAL 9005 black polyester powder paint finish. Mounting hardware included.

Bulletin: DOFRY

Catalog Number	Fits
A19MB600	2-post open-frame racks
A19MB1000	4-post open-frame racks with depth adjustable between 17.7- and 29.5-in. (450- and 750-mm) in 0.98-in. (25-mm) increments

23.62 600 mm
48.00 1219 mm
3.15 80 mm

23.62 600 mm
27.56 700 mm
3.15 80 mm

87937733

PH (763) 422-2661 • FX (763) 422-2588 • hoffmanonline.com
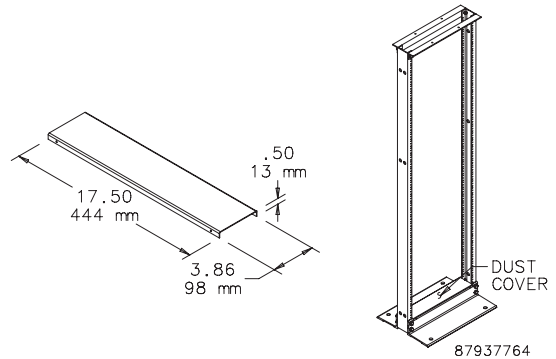
Open Frame Rack Accessories

Dust Cover

Provides a finished appearance to the base of a two-post rack. Made of steel with RAL 9005 black polyester powder paint finish.

Bulletin: DOFRY

Catalog Number	Use with
EDUSTCVR	DataCom 2-post rack

.50
13 mm

17.50
444 mm
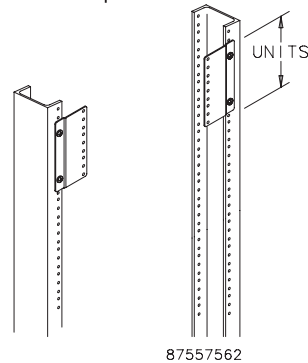
3.86
98 mm

DUST COVER

87937764

Panel Adapter

Adapts 23-in. open frame rack to accept 19-in. equipment. Offset provides flush mounting surface. Steel with plated finish. Furnished in pairs.

Bulletin: DACCY

Catalog Number	Rack Units
ERB1U2319	1
ERB3U2319	3
ERB5U2319	5

Panel Adapter

UNITS

87557562

Concrete Expansion Bolt Anchor Kit

For use with seismic and non-seismic open frame racks.

Bulletin: DACCY

Catalog Number	Size	Qty.
ESBDK	3/8 in.	4

Electrical Isolation Kit

Provides electrical isolation between the 2-Post Open Frame Rack and the floor. Includes isolation plate and plastic bushings. Made of 0.125-in. fiberglass. Rack and floor fastening hardware not included.

Bulletin: DOFRY

Catalog Number	Description
A19ESOK	Electrical Isolation Kit

16.00
406 mm

20.25
514 mm

.12
3 mm

87937765