UNIVERSAL RACK

KEY FEATURES

- Supports 19" rack-mount equipment designed for two-post panel mounting like patch panels and network switches or use with shelves to support computer servers.
- Easy positioning of equipment or shelves with marked and numbered rack-mount spaces.
- Quick attachment of equipment with threaded equipment mounting holes and included equipment-mounting screws.
- Delivers unassembled in a single carton — quick and easy bolt-together assembly takes less than 10 minutes.
- Lightweight aluminum construction for easy transport and positioning during installation.
- Integrated grounding with a built-in attachment point for a ground (earthing) connection.
- Attach CPI vertical cable managers to the side of the rack through pre-punched holes.
- Secure the rack to the floor quickly with a concrete, wood or raised floor installation kit through pre-punched holes in base angle.

APPLICATIONS

- Use with vertical and horizontal cable managers to support interconnect and network equipment in telecommunications rooms, equipment rooms and data centers.
- Use with shelves to support equipment.

USE WITH

- Evolution® Cable Management
- Velocity® Cable Management
- Rack and Frame Installation Kit
- Raised Floor Rack Support For 3" Channel

RELATED ACCESSORIES

- 3" Channel Rack-To-Runway Mounting Plate
- Vertical PDUs for Racks
- Rack Shelves

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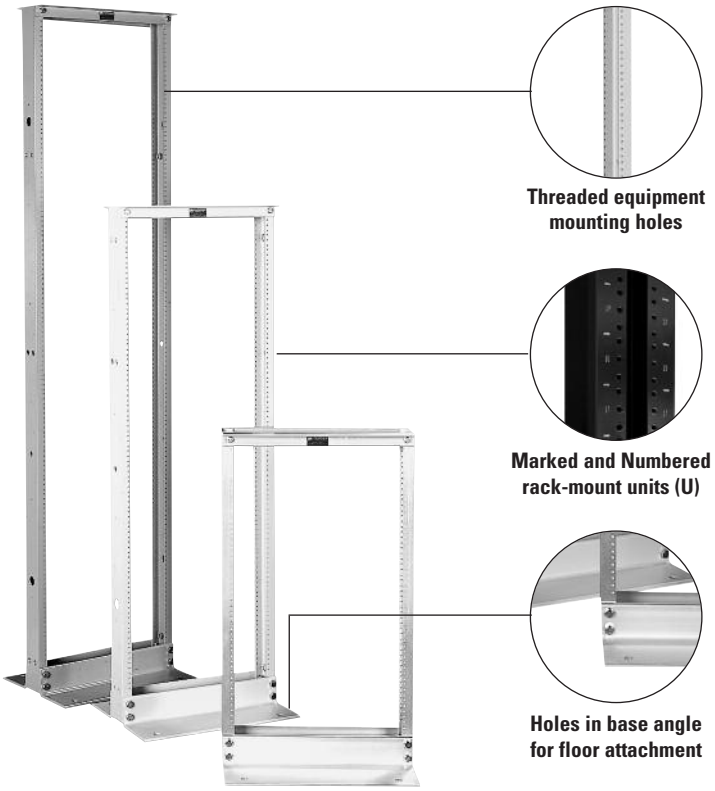

Universal Rack is a heavy duty storage solution for patch panels and network switches and can be used with shelves to hold computer servers. Universal Rack uses less floor space than a cabinet or a four-post rack. Use Universal Rack in telecommunications rooms or equipment rooms to save floor space and hold heavy equipment.

Universal Rack meets project specifications. Universal Rack holds 1,500 lb (680.4 kg) of equipment, has integrated gounding and is available UL and cUL Listed as a communications circuit accessory. Universal Rack supports 19", 23" or 35" wide rack-mount equipment and shelves and is available in several heights. Equipment attaches to the front or rear of the 3"D (76 mm) vertical mounting channels with screws. Equipment mounting positions are marked and numbered making it easy to position and install equipment or shelves.

Racks deliver unassembled in a compact carton. Universal Rack is easy to assemble. Components bolt together with included hardware. Assembly holes in the rack uprights are threaded. Assembly takes approximately 10 minutes. Two-post racks must be secured to building structure. Universal Rack has pre-punched base angles making it easy to attach the rack to the floor. Use a CPI installation kit for wood, slab or raised floors.

Most Universal Rack applications require cable management. Vertical cable managers attach directly to the side of Universal Rack. CPI cable managers organize cables by-rack-mount-space simplifying future moves, adds and changes to the network. The best solution includes horizontal managers in between patch panels and network switches to fan patch cords into individual port connections.

See reverse for product selection. Contact CPI Technical Support for configuration assistance.

CHATSWORTH PRODUCTS, INC.

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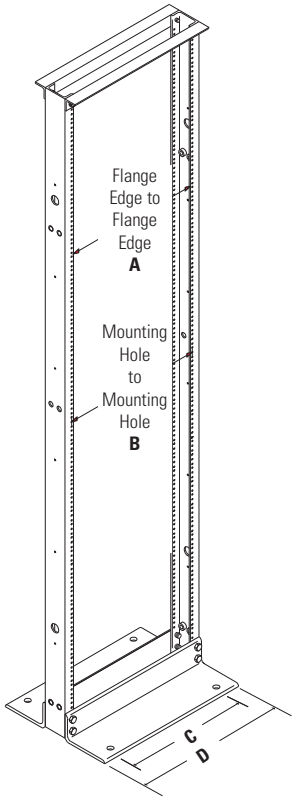
SPECIFICATIONS

- Open floor-mount two-post rack supports 19"W EIA, 23"W or 35"W rack-mount equipment
- For indoor use only, in environmentally controlled areas; may not be used outdoors, in industrial or harsh environments, or in plenum spaces
- Available sizes:
  - Heights: See Dimension Table
  - Width: 20.3" (515.9 mm), 24.3" (617.5 mm), 26.3" (922.3 mm)
  - Depth: 15" (381 mm)
- Equipment space:
  - Heights: See Dimension Table
  - Width: 19" EIA (17-3/4" clearance), 23" (21-3/4" clearance), 35" (33-3/4" clearance)
  - Depth: 20"D (508 mm)

  Note: Double-sided shelves for 26"D (660.4 mm) equipment are available. Use QuadraRack® 4-Post Frame when rack-mount equipment exceeds 20"D.
- Equipment Support:
  - 1 pair C-shaped equipment mounting channels
  - 19"W, 23"W or 35"W
  - EIA-310-D compliant, Universal hole pattern
  - 5/8"-5/8"-1/2" vertical hole spacing
  - Threaded #12-24 equipment mounting holes
  - Fixed in place
- Cable Management
  Use vertical and horizontal cable managers, sold as accessories
- Load capacity:
  1,500 lb (680.4 kg) of equipment
- Grounding/Bonding
  - Top angles, base angles and side channels are electrically bonded by assembly hardware
  - One exception - top angles are not electrically bonded on Flush Bolted Racks (P/N 467XX)
  - A masked mounting location for ground lug with two 1/4-20 threaded studs spaced 5/8" apart is provided inside the side channel
  - Racks that are over 6'H (1.8 m) have top and bottom mounting locations
  - Use the CPI Grounding Jumper (P/N 40159-008) as a rack bonding conductor
- Certifications:
  EIA-310-D compliant
  Select models are UL Listed as a communications circuit accessory
- Material:
  Aluminum extrusion
- Construction:
  Bolted assembly
  Ships unassembled
- Finish:
  Clear grained aluminum or
  Epoxy-polyester hybrid powder coat paint
  Available in black, gray or computer white

DIMENSIONS

Height	U
3' (0.9 m)	17
4' (1.2 m)	24
5' (1.5 m)	31
5.5' (1.7 m)	34
6' (1.8 m)	38
6.5' (2.0 m)	41
7' (2.1 m)	45
7.5' (2.3 m)	48
8' (2.4 m)	51
8.5' (2.6 m)	55
9' (2.7 m)	58



Dimension	19" Rack	23" Rack	35" Rack
A	17.75" (450.9 mm)	21.75" (552.5 mm)	33.78" (858.0 mm)
B	18.31" (465.1 mm)	22.31" (566.7 mm)	34.31" (876.5 mm)
C	16.00" (406.4 mm)	20.00" (508.0 mm)	32.00" (812.8 mm)
D	20.31" (515.9 mm)	24.31" (617.5 mm)	36.31" (922.3 mm)

ORDERING INFORMATION

The part numbers listed below are the most popular styles. There are two other top bar/angle styles that are not shown in the tables below:

19"W Universal Rack			
Part Number		Description	Shipping Weight
19"W EIA	UL Listed		
46353-X31	48353-X31	36"H x 19"W, 17U	25 lb
46353-X20	48353-X20	48"H x 19"W , 24U	28 lb
46353-X19	48353-X19	60"H x 19"W, 31U	35 lb
46353-X00	48353-X00	66"H x 19"W, 34U	36 lb
46353-X01	48353-X01	72"H x 19"W, 38U	37 lb
46353-X02	48353-X02	78"H x 19"W, 41U	38 lb
46353-X03	48353-X03	84"H x 19"W, 45U	39 lb
46353-X05	48353-X05	90"H x 19"W, 48U	40 lb
46353-X15	48353-X15	96"H x 19"W, 51U	41 lb
46353-X17	48353-X17	102"H x 19"W, 55U	41 lb
46353-X08	48353-X08	108"H x 19"W, 58U	43 lb

X=color: 1=Gray, 2=Computer White, 5=Clear, 7=Black. Also available with flat top bars (P/N 460XX) or flush bolted top angles (P/N 467XX).

23"W Universal Rack			
Part Number		Description	Shipping Weight
23"W	UL Listed		
46383-X31	48383-X31	36"H x 23"W, 17U	26 lb
46383-X20	48383-X20	48"H x 23"W, 24U	29 lb
46383-X19	48383-X19	60"H x 23"W, 31U	36 lb
46383-X00	48383-X00	66"H x 23"W, 34U	39 lb
46383-X01	48383-X01	72"H x 23"W, 38U	40 lb
46383-X02	48383-X02	78"H x 23"W, 41U	41 lb
46383-X03	48383-X03	84"H x 23"W, 45U	42 lb
46383-X05	48383-X05	90"H x 23"W, 48U	43 lb
46383-X15	48383-X15	96"H x 23"W, 51U	44 lb
46383-X17	48383-X17	102"H x 23"W, 55U	45 lb
46383-X08	48383-X08	108"H x 23"W, 58U	46 lb

X=color: 1=Gray, 2=Computer White, 5=Clear, 7=Black. Also available with flat top bars (P/N 460XX) or flush bolted top angles (P/N 467XX).

35"W Universal Rack			
Part Number		Description	Shipping Weight
35"W	UL Listed		
46363-X01	N/A	72"H x 35"W, 38U	49 lb
46363-X03	N/A	84"H x 35"W, 45U	51 lb

X=color: 1=Gray, 2=Computer White, 5=Clear, 7=Black. Also available with flush bolted top angles (P/N 467XX). There are no shelves for 35"W Universal Racks. Use with block-mounting brackets.

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