Product Cut Sheet

UNIVERSAL RACK

- High-strength, lightweight aluminum extrusion construction
- Two top angles or top bars and heavy-duty assembly hardware for stronger rack to handle heavier loading
- 50 special #12-24 mounting screws with combination Phillips/Straight heads and pilot points to reduce cross threading and installation time
- Unique packaging inserts eliminate damage from components hitting together in the carton during shipping and handling; racks are packed unassembled in individual cartons
- Ease of assembly is enhanced through use of threaded channels; no hex nuts are required
- Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space and is compatible with conventional wide 1-1/4"-1/2" (31.8 mm -12.7 mm) alternating hole patterns
- Integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System
- Available in powder coat color finishes (Gray, Computer Beige, Black, Glacier White) or grained aluminum finish (Clear)
- State-of-the-art manufacturing methods provide the best quality and fastest delivery in the industry
- Side channels have multiple mounting holes and (4) pem nuts for quick installation of cable management
- EIA Channels: C-Shaped, 1.265" x 3" (32.13 mm x 76 mm); 25" (6.4 mm) thick front/rear flanges; 17" (4.3 mm) thick web (pair)
- Base Angles: 3.5" x 6.0" x .375" (89 mm x 152 mm x 9.53 mm) thick (pair)
- Top Angles: 1.5" x 1.5" x .25" (38 mm x 38 mm x 6.4 mm) thick (pair)
- Top Angles, Flush Bolted: 1.5" x 2.0" x .25 (38 mm x 51 mm x 6.4 mm) thick
- Top Bars: 1.5" x .25" (38 mm x 6.4 mm) thick (pair)
- Panel Mounting Holes: #12-24 rolled threads in both flanges front and back
- Custom configurations and assemblies available by special order
- Assembly hardware is included
- Select models (P/N 48353-XXX, 48383-XXX) are UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory
- Weight capacity 1500 lb (680.4 kg) — weight must be evenly distributed, and rack must be properly secured to floor

Installation Hint: When mounting equipment, use #3 Phillips tip to assure maximum torque.

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Channel Cross Section and Hole Pattern Standards

CPI offers EIA aluminum channel uprights on all Standard and Universal racks. All Standard and Universal racks are threaded to accept industry standard #12-24 mounting screws. Extra care is taken in that the threads are "rolled" rather than "cut" for greater strength and durability. The Universal Rack hole pattern is 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) and is compatible with wide 1 1/4"-1/2" (31.8 mm-12.7 mm) patterns, while offering greater flexibility.

Rack-Mount Unit (U) marks simplify equipment installation

Ground Studs located directly on rack channel

Top Bar or Angles	
460	Two Top Bars
463	Two Top Angles
467	Two Top Angles, Flush Bolted
483	UL Listed (With Two Top Angles)

Width - in	
5	19 EIA Channel
8	23 Channel

Mounting Holes	
3	Mounting Holes Both Sides

Color	
1	Gray
2	Computer Beige
5	Clear
7	Black
E	Glacier White

Height - ft (m)		
31	3 (0.9)	17U
20	4 (1.2)	24U
19	5 (1.5)	31U
00	5.6 (1.7)	34U
01	6 (1.8)	38U
02	6.6 (2.0)	41U
03	7 (2.1)	45U
05	7.6 (2.3)	48U
15	8 (2.4)	51U
17	8.6 (2.6)	55U
08	9 (2.7)	58U

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