



Middle Atlantic Products

INTERNATIONAL

2012-2013 MASTER CATALOG



Racks and
Enclosures

Technical
Furniture

Thermal
Management

Cable
Management

Rack
Accessories



Middle Atlantic Products

EXCEPTIONAL SUPPORT & PROTECTION™



The Power of the Integrated System

Complete, optimized and professional installations are the result of proper planning for a fully integrated enclosure system. A fully integrated enclosure system incorporates four essential values that work together to ensure system reliability: the mounting system, thermal management, cable management and power distribution.



Racks and Enclosures

The mounting system is the foundation, and incorporates time and labor saving features, addresses space constraints, structural needs, is compliant with applicable construction/building codes, and meets the aesthetic needs of the environment.

- Floor, wall, and ceiling mount rack and enclosure systems, as well as unique slide out systems for space restricted environments
- Built-in cable management and time saving features simplify installation
- UL Listed and Seismic Certified mounting products available
- Solutions available to meet the aesthetic needs of any installation



Technical Furniture

Middle Atlantic offers a selection of technical furniture that, unlike standard office furniture, incorporates specific technical features or capabilities that support a professional installation in a commercial application.



Thermal Management

Maintaining an optimal internal operating temperature is the goal of thermal management, and is critical to system reliability.

- Enclosures are designed for proper thermal management, and feature engineered ventilation locations, top options and accessories, allowing the specifier or installer to design a passively or actively cooled system
- Cooling options, including a proportional speed thermostatic fan control, extend equipment life and reduce maintenance requirements



Cable Management


The primary purpose of cable management is to maintain the integrity of the signal, and facilitate installation, upgrades & servicing of the system.

- Engineered enclosures accept an extensive selection of lacing options
- Removable knockouts provide for cable pass-through where needed
- Abundant cable lacing points simplify cable management
- Most rack top options feature a removable 2 rackspace service plate for easy removal of top option without disturbing cable bundles





Rack Accessories


Middle Atlantic Products offers a complete line of engineered mounting solutions that come together to complete the integrated enclosure system.

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Image from the Savant Experience Center

Racks and Enclosures Features and Benefits

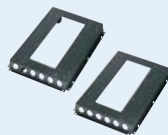
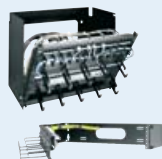


Racks and Enclosures form the primary structure of an integrated system, and provide the “frame” that will support not only electronic equipment but also the power, cooling, and cable management elements of the job. Middle Atlantic racks are quite versatile, so there may be several models that will meet your needs depending on your work style and jobsite conditions, but choosing an appropriate model for the project will save time and trouble, and provide better results overall.

Here is a selection chart to help you quickly narrow down your choices. (Also see the “Rack Finder” tool on our website.) We support international sales - contact us for metric threaded offerings. If you need help, please call our technical support group for assistance:

| Mounting Method | Style | Application | Series to Consider | |
|-----------------|--|---------------------|-------------------------|-----------------------------------|
| Floor Standing | Stand-Alone (solid sides) | Audio/Video | BGR-SA ERK WRK-SA | RK/BRK OBRK/MBRK SRK OSR |
| | Multi-Bay (open sides*) | Audio/Video | BGR WRK | VMRK MRK Slim 5 |
| | | Servers/Networking | WMRK | DRK |
| | Open Frame | Networking | R4 RL RLA | R2 MK DR |
| | Designer | Visible Audio/Video | RDR | |
| | Portable** | Audio/Video | ISRK PTRK | WRK-24MDK |
| Wall Mount | Sectional Wall Racks (hinged center section or cover) | All Types | SR DWR EWR SWR | WRP WRS HDR TOR |
| | Enclosures (closed sides) | All Types | SBX DLBX | SPM |
| | Open Frame | All Types | VPM WM SFR | PPM HPM |
| Ceiling Mount | Enclosures (closed sides) | Distributed Systems | IDF | |
| Slide Out | Stand-Alone | All Types | WR | AXS (ERK, WRK-SA models) |
| | Multi-Bay | All Types | AXS (MRK, WRK models) | |
| | In Wall | Audio/Video | AXS | SRSR/SRS |
| | In Furniture | Audio/Video | SRSR/SRS ASR/ASR-HD | CFR REB |
| Specialty | Credenza Racks | Audio/Video | C5 | |
| Desktop | Enclosures (closed sides) | All Types | | DTRK |
| | Open Frame | All Types | DR | Slim 2 |

* Note that most open sided racks can be fitted with side panels. ** Note that most floor standing racks can be fitted with casters.

**Floor Standing Racks and Enclosures****6-21**BGR
6-7BGR-SA
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12-13WRK
14-15VMRK
16-17MRK
18-19DRK
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Enclosure Options****22-26**Caster Bases
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23Top Options
24Front Doors
25Rear Doors
26**Slide Out Rack Systems****27-32**WR
27AXS
28-30SRSR and SRS
31ASR and ASR-HD
32**In-Cabinet Systems**CFR and REB
33**Credenza Racks**C5
34-36**Designer-Inspired Rack**RDR
37**Furniture Racks**MFR and RFR
38-39**Slim 5 Series**Slim 5
40-41**Laminate Racks**RK/BRK and OBRK
42-43**Desktop & Half-Racks**DTRK and HRF Series
44**Portable Racks**PTRK, WRK-24MDK,
BGR-19SA27-MDK-DS 45**Wall and Ceiling Mount Cabinets****46-53**SR
46-47DWR
48-49EWR
50-51WRS, WRP and VPM
52TOR and HDR
53**Wall Mount Racks****54-57**WM and SPM
54SFR
55SWR and SBX
56PPM and HPM
57**Floor Mount Open Frame Racks****58-60**R4
58RLA, RL, and R2
59MK
60**Options**Additional Options
61



BGR Series Gangable Rack Enclosures



EIA/TIA Compliant



UL LISTED

Spec. #
96-01149
for full
product
info



BGR = Breakthrough Next-Generation Rack

This is the “Next Generation” Rack you have been wanting! BGR series racks have higher weight capacities, provide more useable rackspace, and incorporate more functionality than any other rack system on the market. Features the revolutionary patent-pending LeverLock™ system for tool free installation of cable management accessories. New options include brush grommet rear doors and problem-solving extender bays.

Choose a BGR enclosure for the highest level of space efficiency and strength available, and to enable the use of the latest options for installation flexibility.

Structural Features

- Breakthrough design provides more useable rack height – for example, the 45 space version overall height is shorter than 44 space alternative models
- Accepts patent-pending LeverLock™ system accessories for fast, flexible cable management and mounting of small devices such as interface boxes, power supplies, and relay modules
- Unique new extender bay adds 76mm of useable depth to the front or rear of the enclosure at any time. Extender bays allow the use of existing doors and can even be stacked for greater depths
- Pre-threaded ganging holes allow ganging while fully loaded
- Wide open bottom accepts multiple base options
- Standard front and rear adjustable wide, heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments speeds equipment mounting
- Labels included to indicate rail position front to back
- Finished in a durable black textured powder coat

Thermal Management

- Top options include solid, vented, and thermostatically controlled DC fan tops for efficiency
- Standard vented door accepts optional doors

Cable Management

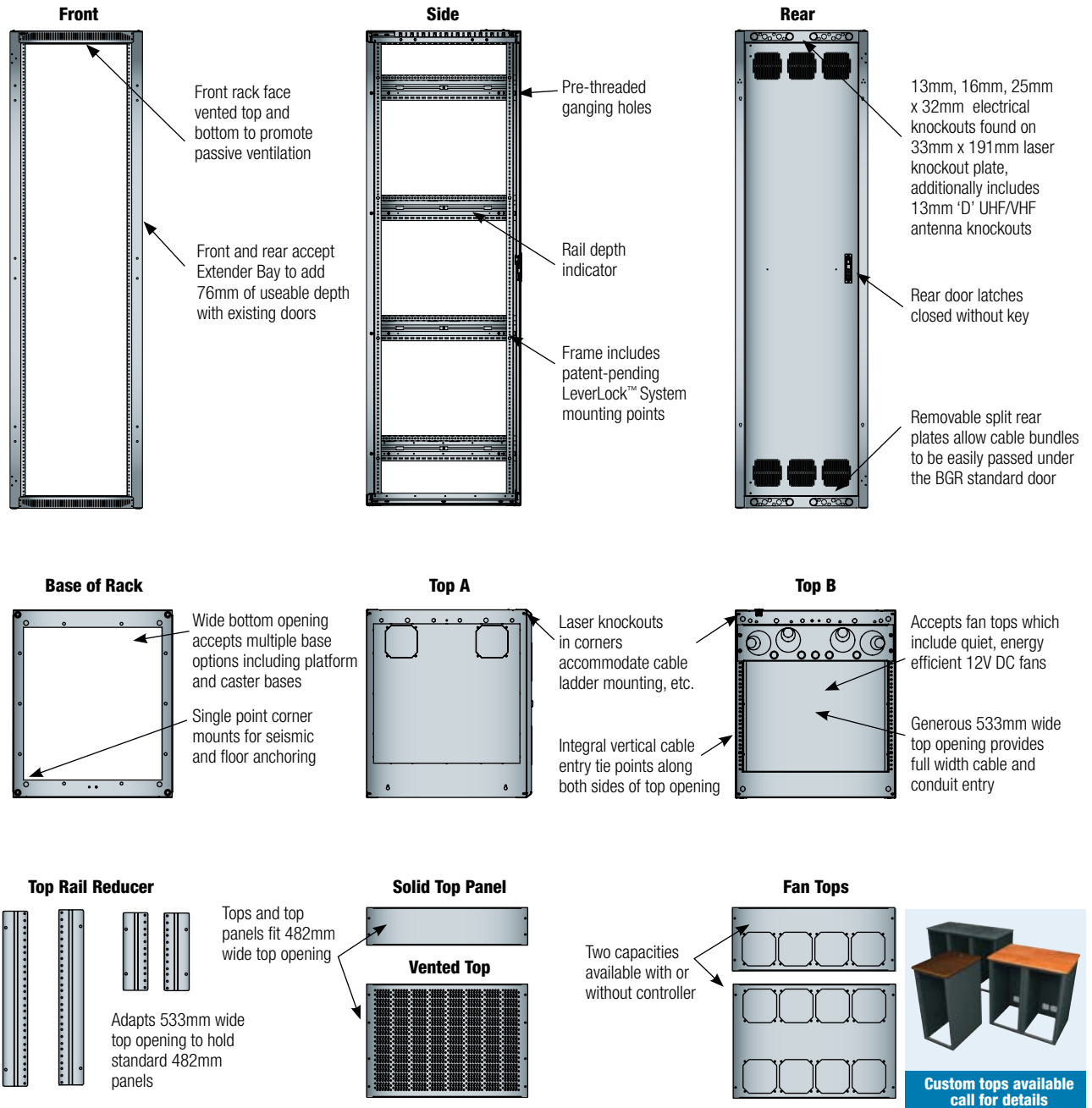
- Accepts LeverLock™ system tool free cable management accessories
- Cable entry choices include generous laser knockouts and choice of trade size openings and/or grommetted pass-throughs
- The generous 533mm wide top opening provides for full-width cable and conduit entry, and includes vertical cable entry tie points on both sides
- Optional brush grommet rear door kit can be mounted top or bottom to provide a large cable passage with easy access to the cables without fishing

Regulatory / Certifications

- Static load capacity - 5543 kg
- UL Listed in the US and Canada. UL Listed load capacity - 1360 kg.
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor (Ip) is 1.5. Seismic Certified load capacity of 530 kg when used with BGR-Z4 or BGR-ISO-Z4 seismic floor anchor brackets.

| Part #* | Racking Height | Overall Height | Overall Depth | Useable Depth | Side Panels | Add'l 10/32 Threaded Rackrail (Pair) | Accent Trim |
|----------|----------------|----------------|---------------|---------------|-------------|--------------------------------------|-------------|
| BGR-1927 | 845mm (19 RU) | 949mm | 686mm | 619mm | BSPN-19-27 | BGR-RR19 | BGR-TRIM19 |
| BGR-2527 | 1111mm (25 RU) | 1216mm | 686mm | 619mm | BSPN-25-27 | BGR-RR25 | BGR-TRIM25 |
| BGR-2532 | 1111mm (25 RU) | 1216mm | 813mm | 746mm | BSPN-25-32 | BGR-RR25 | BGR-TRIM25 |
| BGR-3827 | 1689mm (38 RU) | 1794mm | 686mm | 619mm | BSPN-38-27 | BGR-RR38 | BGR-TRIM38 |
| BGR-3832 | 1689mm (38 RU) | 1794mm | 813mm | 746mm | BSPN-38-32 | BGR-RR38 | BGR-TRIM38 |
| BGR-4127 | 1822mm (41 RU) | 1927mm | 686mm | 619mm | BSPN-41-27 | BGR-RR41 | BGR-TRIM41 |
| BGR-4132 | 1822mm (41 RU) | 1927mm | 813mm | 746mm | BSPN-41-32 | BGR-RR41 | BGR-TRIM41 |
| BGR-4138 | 1822mm (41 RU) | 1927mm | 965mm | 899mm | BSPN-41-38 | BGR-RR41 | BGR-TRIM41 |
| BGR-4527 | 2000mm (45 RU) | 2105mm | 686mm | 619mm | BSPN-45-27 | BGR-RR45 | BGR-TRIM45 |
| BGR-4532 | 2000mm (45 RU) | 2105mm | 813mm | 746mm | BSPN-45-32 | BGR-RR45 | BGR-TRIM45 |
| BGR-4538 | 2000mm (45 RU) | 2105mm | 965mm | 899mm | BSPN-45-38 | BGR-RR45 | BGR-TRIM45 |

*available without rear door, suffix part # 'LRD'



| | Fits Part # | Front Doors | | | | | Rear Doors | | Top Rail Reducer | Vented Top | Fan Tops* | | | |
|--------------|-------------|-------------|---------|---------|--------------------|-------------------|-------------------------|-----------|------------------|------------|--------------|-------------|------------------------------|-----------------------------|
| | | Solid | Plexi | Vented | Curved Door Vented | Curved Door Plexi | Cable Entry Rear Door** | Solid Top | | | 15,63 m³/min | 7,82 m³/min | 15,63 m³/min with Controller | 7,82 m³/min with Controller |
| Top A | BGR-1927 | BFD-19 | BPFD-19 | BVFD-19 | VFD-19A | PFD-19A | BGR-RDC19 | — | — | — | — | — | — | — |
| | BGR-2527 | BFD-25 | BPFD-25 | BVFD-25 | VFD-25A | PFD-25A | BGR-RDC25 | — | — | — | — | — | — | — |
| | BGR-2532 | BFD-25 | BPFD-25 | BVFD-25 | VFD-25A | PFD-25A | BGR-RDC25 | — | — | — | — | — | — | — |
| Top B | BGR-3827 | BFD-38 | BPFD-38 | BVFD-38 | VFD-38A | PFD-38A | BGR-RDC38 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-3832 | BFD-38 | BPFD-38 | BVFD-38 | VFD-38A | PFD-38A | BGR-RDC38 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-4127 | BFD-41 | BPFD-41 | BVFD-41 | VFD-41A | PFD-41A | BGR-RDC41 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-4132 | BFD-41 | BPFD-41 | BVFD-41 | VFD-41A | PFD-41A | BGR-RDC41 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-4138 | BFD-41 | BPFD-41 | BVFD-41 | VFD-41A | PFD-41A | BGR-RDC41 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-4527 | BFD-45 | BPFD-45 | BVFD-45 | VFD-45A | PFD-45A | BGR-RDC45 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-4532 | BFD-45 | BPFD-45 | BVFD-45 | VFD-45A | PFD-45A | BGR-RDC45 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-4538 | BFD-45 | BPFD-45 | BVFD-45 | VFD-45A | PFD-45A | BGR-RDC45 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-4538 | BFD-45 | BPFD-45 | BVFD-45 | VFD-45A | PFD-45A | BGR-RDC45 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |

*All fan tops come with blank panels to close top of rack. **Order with part # 'LRD'. For more info refer to pgs. 10-11



BGR-SA Series Stand-Alone Rack Enclosures



EIA/TIA Compliant



Spec. #
96-01153
for full
product
info.



BGR-45SA-32

BGR = Breakthrough Next-Generation Rack

This is the “Next Generation” Rack you have been wanting! BGR series racks have higher weight capacities, provide more useable rackspace, and incorporate more functionality than any other rack system on the market. Features the revolutionary patent-pending LeverLock™ system for tool free installation of cable management accessories. New options include brush grommet rear doors and problem-solving extender bays.

Choose a BGR enclosure for the highest level of space efficiency and strength available, and to enable the use of the latest options for installation flexibility. This stand-alone version includes fixed vented side panels.

Structural Features

- Breakthrough design provides more useable rack height – for example, the 45 space version is shorter than 44 space alternative models
- Accepts patent-pending LeverLock™ system accessories for fast, flexible cable management and mounting of small devices such as interface boxes, power supplies, and relay modules
- Unique new extender bay adds 76mm of useable depth to the front or rear of the enclosure at any time. Extender bays allow the use of existing doors and can even be stacked for greater depth
- Standard front and rear adjustable wide, heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments speeds equipment mounting
- Wide open bottom accepts multiple base options
- Finished in a durable black textured powder coat

Thermal Management

- Top options include solid, vented, and thermostatically controlled fan tops
- Standard vented door accepts optional doors

Cable Management

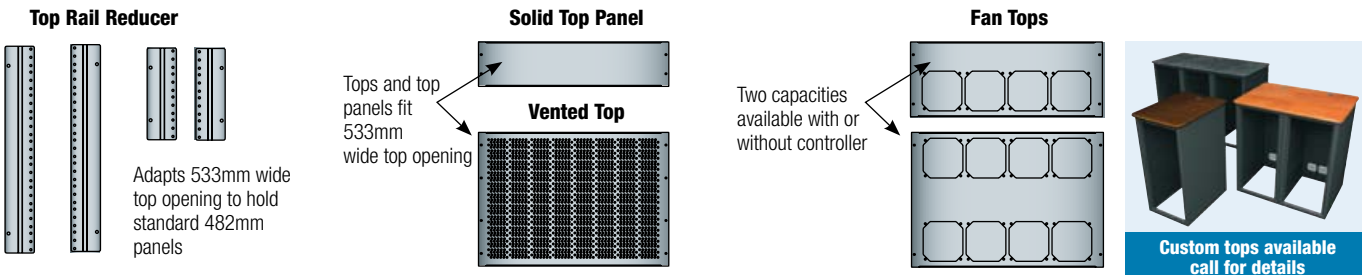
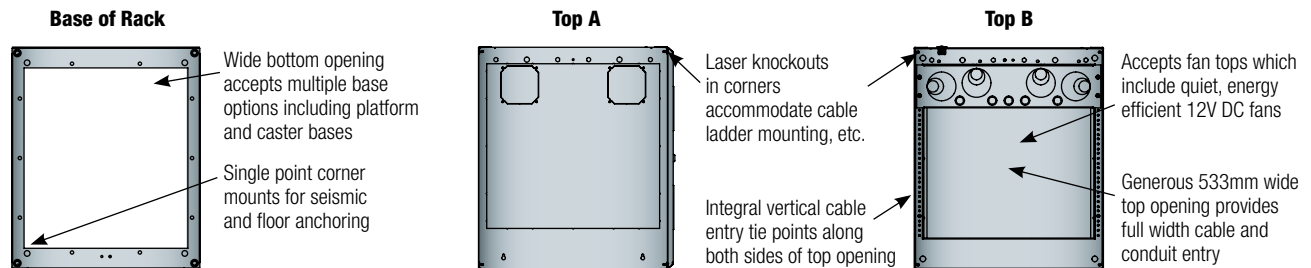
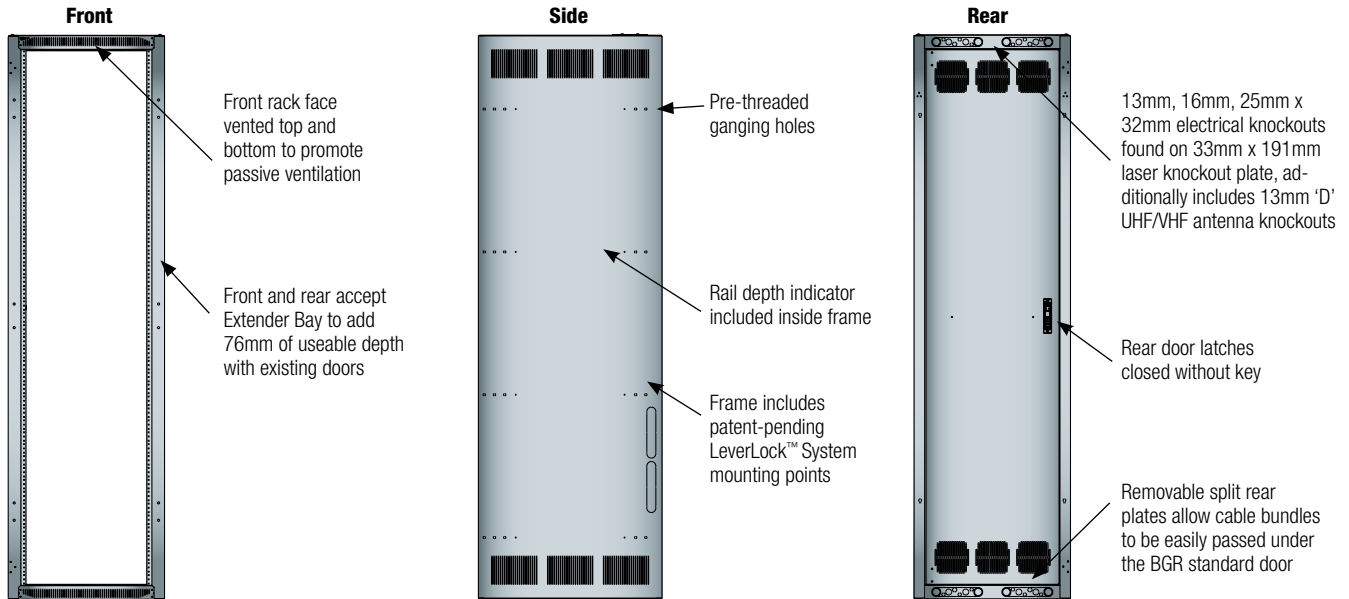
- Accepts LeverLock™ system tool free cable management accessories
- Cable entry choices include generous laser knockouts and choice of trade openings and/or grommetted pass-throughs
- The generous 533mm wide top opening provides for full-width cable and conduit entry, and includes vertical cable entry tie points on both sides
- Optional brush grommet rear door kit can be mounted top or bottom to provide a large cable passage with easy access to the cables without fishing

Regulatory / Certifications

- Static load capacity - 5543 kg
- UL Listed in the US and Canada. UL Listed load capacity - 1360 kg.
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor (I_p) is 1.5. Seismic Certified load capacity of 532 kg when used with BGR-Z4 or BGR-ISO-Z4 seismic floor anchor brackets.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part #* | Racking Height | Overall Height | Overall Depth | Useable Depth | Add'l 10/32 Threaded Rackrail (Pair) | Accent Trim |
|-------------|--------------------|----------------|---------------|---------------|--------------------------------------|-------------|
| BGR-19SA-27 | 845mm (19 space) | 949mm | 686mm | 619mm | BGR-RR19 | BGR-TRIM19 |
| BGR-25SA-27 | 1111mm (19 space) | 1216mm | 686mm | 619mm | BGR-RR25 | BGR-TRIM25 |
| BGR-25SA-32 | 1111mm (19 space) | 1216mm | 813mm | 746mm | BGR-RR25 | BGR-TRIM25 |
| BGR-38SA-27 | 1689mm ((19 space) | 1794mm | 686mm | 619mm | BGR-RR38 | BGR-TRIM38 |
| BGR-38SA-32 | 1689mm (19 space) | 1794mm | 813mm | 746mm | BGR-RR38 | BGR-TRIM38 |
| BGR-41SA-27 | 1822mm (19 space) | 1927mm | 686mm | 619mm | BGR-RR41 | BGR-TRIM41 |
| BGR-41SA-32 | 1822mm (19 space) | 1927mm | 813mm | 746mm | BGR-RR41 | BGR-TRIM41 |
| BGR-45SA-27 | 2000mm (19 space) | 2105mm | 686mm | 619mm | BGR-RR45 | BGR-TRIM45 |
| BGR-45SA-32 | 2000mm (19 space) | 2105mm | 813mm | 746mm | BGR-RR45 | BGR-TRIM45 |

*available without rear door, suffix part # 'LRD'



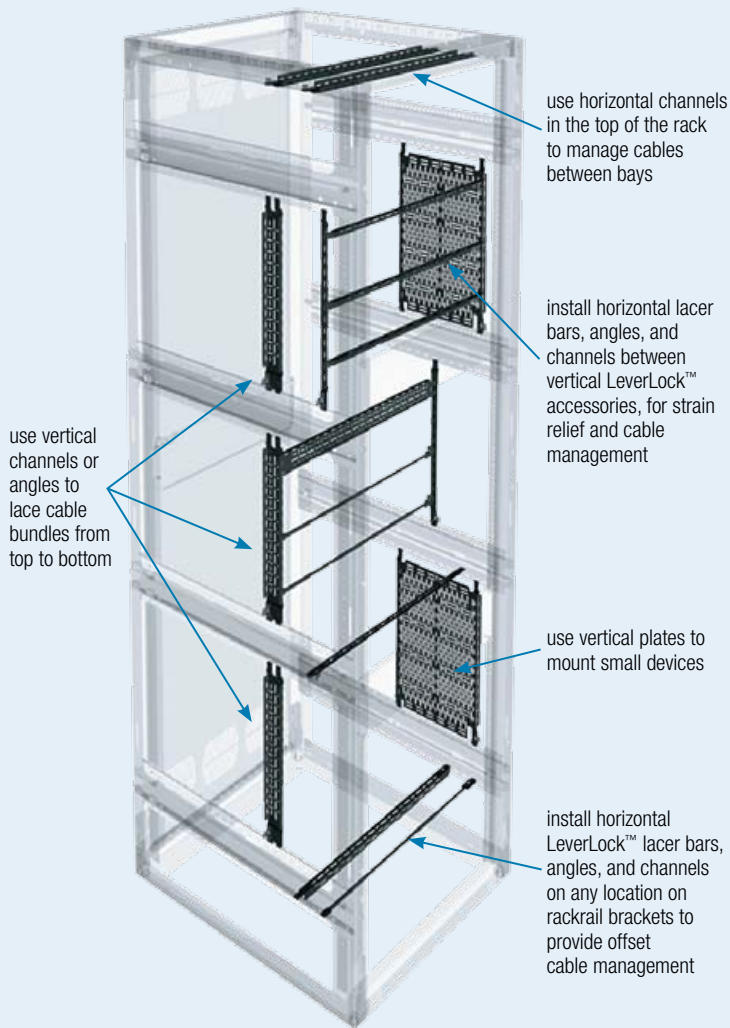
| | Fits Part # | Front Doors | | | | | Rear Doors | Solid Top | Top Rail Reducer | Vented Top | Fan Tops* | | | |
|--------------|-------------|-------------|---------|---------|--------------------|-------------------|------------|-----------|------------------|------------|--------------|-------------|------------------------------|-----------------------------|
| | | Solid | Plexi | Vented | Curved Door Vented | Curved Door Plexi | | | | | 15,63 m³/min | 7,82 m³/min | 15,63 m³/min with Controller | 7,82 m³/min with Controller |
| Top A | BGR-19SA-27 | BFD-19 | BPFD-19 | BVFD-19 | VFD-19A | PFD-19A | BGR-RDC19 | — | — | — | — | — | — | — |
| | BGR-25SA-27 | BFD-25 | BPFD-25 | BVFD-25 | VFD-25A | PFD-25A | BGR-RDC25 | — | — | — | — | — | — | — |
| | BGR-25SA-32 | BFD-25 | BPFD-25 | BVFD-25 | VFD-25A | PFD-25A | BGR-RDC25 | — | — | — | — | — | — | — |
| Top B | BGR-38SA-27 | BFD-38 | BPFD-38 | BVFD-38 | VFD-38A | PFD-38A | BGR-RDC38 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-38SA-32 | BFD-38 | BPFD-38 | BVFD-38 | VFD-38A | PFD-38A | BGR-RDC38 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-41SA-27 | BFD-41 | BPFD-41 | BVFD-41 | VFD-41A | PFD-41A | BGR-RDC41 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-41SA-32 | BFD-41 | BPFD-41 | BVFD-41 | VFD-41A | PFD-41A | BGR-RDC41 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-45SA-27 | BFD-45 | BPFD-45 | BVFD-45 | VFD-45A | PFD-45A | BGR-RDC45 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |
| | BGR-45SA-32 | BFD-45 | BPFD-45 | BVFD-45 | VFD-45A | PFD-45A | BGR-RDC45 | BGR-STP9 | BGR-TRR9 | BGR-LVT9 | IBGR-552FT | IBGR-276FT | IBGR-552FT-FC | IBGR-276FT-FC |

*All fan tops come with blank panels to close top of rack. **Order with part # 'LRD'. For more info refer to pgs. 10-11



BGR Series Enclosure Options

LeverLock™ Tool Free Internal Management System for BGR and BGR-SA Racks



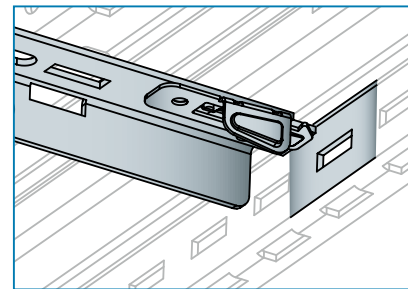
The patent-pending LeverLock™ internal management system facilitates cable management and device mounting within the rack interior through the use of unique tool free cable management bars and vertical accessory mounting plates. The LeverLock system is comprised of 2 types of accessories based on mounting orientation: vertical and horizontal, and all styles *install without tools or hardware*.

Vertical LeverLock™ Accessories

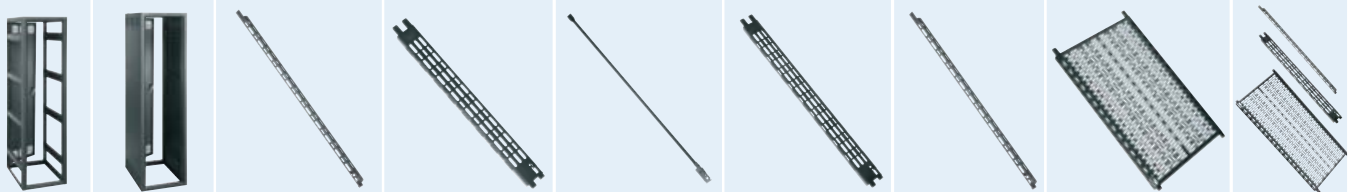
Vertical lacing bars install between rackrail brackets on BGR and BGR-SA racks to facilitate cable lacing. There are 2 styles: angle and channel - each available in two lengths (432mm and 533mm- please be sure to order the correct size for your rack using the table below). Vertical mounting plates install between rackrail brackets (just like the vertical bars) and provide convenient mounting of small components in the sides of the rack. The unique tool free design allows for quick installation and removal for servicing - and maximizes space by saving between 2U - 4U per rack.

Horizontal LeverLock™ Accessories

Horizontal lacing bars install inside the rack from side-to-side to manage cables and provide strain relief to connectors. Mount horizontal bars between rackrail brackets or between vertical bars for extremely flexible location choices. Available in 3 styles: round bar, channel, and angle.



LeverLock™ accessories lock in without tools or hardware when inserted into compatible slot



| Gangable Part # | Stand-Alone Part # | Compatible LeverLock™ Accessories | | | | | | Multi Packs (7 pieces total)** |
|-----------------|--------------------|-----------------------------------|-------------------|-------------------|---------------------|-------------------|---------------------------|--------------------------------|
| | | Vertical Angle* | Vertical Channel* | Horizontal Round* | Horizontal Channel* | Horizontal Angle* | Vertical 254mm Deep Plate | |
| BGR-1927 | BGR-19SA-27 | LL-VA17 | LL-VC17 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP1710 | — |
| BGR-2527 | BGR-25SA-27 | LL-VA21 | LL-VC21 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP2110 | LL-MP21 |
| BGR-2532 | BGR-25SA-32 | LL-VA21 | LL-VC21 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP2110 | LL-MP21 |
| BGR-3827 | BGR-38SA-27 | LL-VA21 | LL-VC21 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP2110 | LL-MP21 |
| BGR-3832 | BGR-38SA-32 | LL-VA21 | LL-VC21 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP2110 | LL-MP21 |
| BGR-4127 | BGR-41SA-27 | LL-VA17 | LL-VC17 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP1710 | — |
| BGR-4132 | BGR-41SA-32 | LL-VA17 | LL-VC17 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP1710 | — |
| BGR-4138 | — | LL-VA17 | LL-VC17 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP1710 | — |
| BGR-4527 | BGR-45SA-27 | LL-VA21 | LL-VC21 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP2110 | LL-MP21 |
| BGR-4532 | BGR-45SA-32 | LL-VA21 | LL-VC21 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP2110 | LL-MP21 |
| BGR-4538 | — | LL-VA21 | LL-VC21 | LL-HR21 | LL-HC21 | LL-HA21 | LL-VP2110 | LL-MP21 |

*Available in 4 packs. Please suffix part number with -4. **Multi packs include (2) LL-VC21, (4) LL-HA21, and (1) LL-VP2110



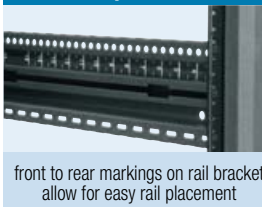
Options

| Fits | 3" Front or Rear Extender | Cable Chose Lift Off Front & Back Only | Cable Chose Top Only | Front Trim Kit (Silver) | Front Trim Kit (Black) | Front Doors | | | | | Cable Entry Rear Door |
|--------------------|---------------------------|--|----------------------|-------------------------|------------------------|-------------|---------|---------|--------------------|-------------------|-----------------------|
| | | | | | | Solid | Plexi | Vented | Curved Door Vented | Curved Door Plexi | |
| BGR 45 space racks | BGR-45-EXT3 | BGR-CC-45FB | BGR-CC-38LT | BGR-TRIM45 | BGR-TRIM45B | BFD-45 | BPFD-45 | BVFD-45 | VFD-45A | PFD-45A | BGR-RDC45 |
| BGR 41 space racks | BGR-41-EXT3 | BGR-CC-41FB | BGR-CC-32LT | BGR-TRIM41 | BGR-TRIM41B | BFD-41 | BPFD-41 | BVFD-41 | VFD-41A | PFD-41A | BGR-RDC41 |
| BGR 38 space racks | — | BGR-CC-38FB | BGR-CC-27LT | BGR-TRIM38 | BGR-TRIM38B | BFD-38 | BPFD-38 | BVFD-38 | VFD-38A | PFD-38A | BGR-RDC38 |
| BGR 25 space racks | — | — | — | BGR-TRIM25 | BGR-TRIM25B | BFD-25 | BPFD-25 | BVFD-25 | VFD-25A | PFD-25A | BGR-RDC25 |
| BGR 19 space racks | — | — | — | BGR-TRIM19 | BGR-TRIM19B | BFD-19 | BPFD-19 | BVFD-19 | VFD-19A | PFD-19A | BGR-RDC19 |

| | | | | | | | | | | | | | |
|------------------------------------|---------------------|----------------|--------------------|----------------------|------------------------|---------------------------|-------------------|-----------------------|----------------------|--------------------------------------|---|-------------------------|---------------------------|
| | | | | | | | | | | | | | |
| Commercial Caster Kit (adds 25 mm) | Inner Platform Base | Leveling Feet* | Seismic Anchor Kit | Ground Isolation Kit | Seismic Ground Iso Kit | 21" wide Solid Top Panels | Vented Top Panels | Top Rail Reducer Kits | Fan Tops | Thermostatically Controlled Fan Tops | Set of 2 BGR Drift Pins for Ganging Racks | Vent Blocker Kit | Rear Door Document Pocket |
| CBS-BGR | BS-BGR | LF-HD | BGR-Z4 | BGR-ISO | BGR-ISO-Z4 | BGR-STP3 | — | — | IBGR-276FT (276 CFM) | IBGR-276FT-FC (276 CFM) | TDRIFT | VBK-BGR (for BGR) | DOC-SACK |
| — | — | — | — | — | — | BGR-STP4 | — | BGR-TRR4 | IBGR-552FT (552 CFM) | IBGR-552FT-FC (552 CFM) | — | VBK-BGR-SA (for BGR-SA) | — |
| — | — | — | — | — | — | BGR-STP9 | BGR-LVT9 | BGR-TRR9 | — | — | — | — | — |

*Leveling Feet adjust from 7/8" to 2-3/4"

Rail Depth Indicator



| Accommodates | Bays | Riser Bases | Raised Floor Riser Feet | Raised Floor Support Angles | Seismic Riser Bases | Seismic Brackets (1 Set Required Per Rack) | Rack Isolation Kit | Multi-Bay Floor Layout Template |
|-----------------------|------|--------------|-------------------------|-----------------------------|---------------------|--|--------------------|---------------------------------|
| BGR 676mm depth racks | 1 | RIB-1-BGR-27 | VFEET-1-12 | BANGLE-1 | — | — | — | BGR-TEMP-27 |
| BGR 676mm depth racks | 2 | RIB-2-BGR-27 | VFEET-2-12 | BANGLE-2 | — | — | — | BGR-TEMP-27 |
| BGR 676mm depth racks | 3 | RIB-3-BGR-27 | VFEET-3-12 | BANGLE-3 | — | — | — | BGR-TEMP-27 |
| BGR 676mm depth racks | 4 | RIB-4-BGR-27 | VFEET-4-12 | BANGLE-4 | — | — | — | BGR-TEMP-27 |
| BGR 676mm depth racks | 5 | RIB-5-BGR-27 | VFEET-5-12 | BANGLE-5 | — | — | — | BGR-TEMP-27 |
| BGR 813mm depth racks | 1 | RIB-1-BGR-32 | VFEET-1-12 | BANGLE-1 | SRB-1-BGR-3224 | BGR-Z4/BGR-ISO-Z4 | BGR-ISO | BGR-TEMP-32 |
| BGR 813mm depth racks | 2 | RIB-2-BGR-32 | VFEET-2-12 | BANGLE-2 | SRB-2-BGR-3224 | BGR-Z4/BGR-ISO-Z4 | BGR-ISO | BGR-TEMP-32 |
| BGR 813mm depth racks | 3 | RIB-3-BGR-32 | VFEET-3-12 | BANGLE-3 | SRB-3-BGR-3224 | BGR-Z4/BGR-ISO-Z4 | BGR-ISO | BGR-TEMP-32 |
| BGR 813mm depth racks | 4 | RIB-4-BGR-32 | VFEET-4-12 | BANGLE-4 | — | — | — | BGR-TEMP-32 |
| BGR 813mm depth racks | 5 | RIB-5-BGR-32 | VFEET-5-12 | BANGLE-5 | — | — | — | BGR-TEMP-32 |
| BGR 965mm depth racks | 1 | RIB-1-BGR-38 | VFEET-1-12 | BANGLE-1-38 | SRB-1-BGR-3824 | BGR-Z4/BGR-ISO-Z4 | BGR-ISO | BGR-TEMP-38 |
| BGR 965mm depth racks | 2 | RIB-2-BGR-38 | VFEET-2-12 | BANGLE-2-38 | SRB-2-BGR-3824 | BGR-Z4/BGR-ISO-Z4 | BGR-ISO | BGR-TEMP-38 |
| BGR 965mm depth racks | 3 | RIB-3-BGR-38 | VFEET-3-12 | BANGLE-3-38 | SRB-3-BGR-3824 | BGR-Z4/BGR-ISO-Z4 | BGR-ISO | BGR-TEMP-38 |
| BGR 965mm depth racks | 4 | RIB-4-BGR-38 | VFEET-4-12 | BANGLE-4-38 | — | — | — | BGR-TEMP-38 |
| BGR 965mm depth racks | 5 | RIB-5-BGR-38 | VFEET-5-12 | BANGLE-5-38 | — | — | — | BGR-TEMP-38 |

NOTE: Crating Services available, see web or call for details.



ERK Series Stand-Alone/Gangable AV Rack Enclosures



EIA/TIA Compliant



Spec. #
96-038
for full
product
info.



ERK = Economical Rack

This economical stand-alone rack can also be ganged to create partitioned multi-bay installations for thermal management control, future growth, or other purposes.

Specify an ERK when a strong, basic rack is required, and where seismic certification and solid sides are required or preferred.

Structural Features

- Fully welded construction for strength
- Standard front adjustable heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments speeds equipment mounting
- Finished in a durable black textured powder coat

Thermal Management

- Comes with standard configurable rear door, compatible with optional cooling and filter kits
- Enclosure sides include top and bottom venting
- Solid, plexi, and vented front door options are available
- Vented and fan top options are available

Cable Management

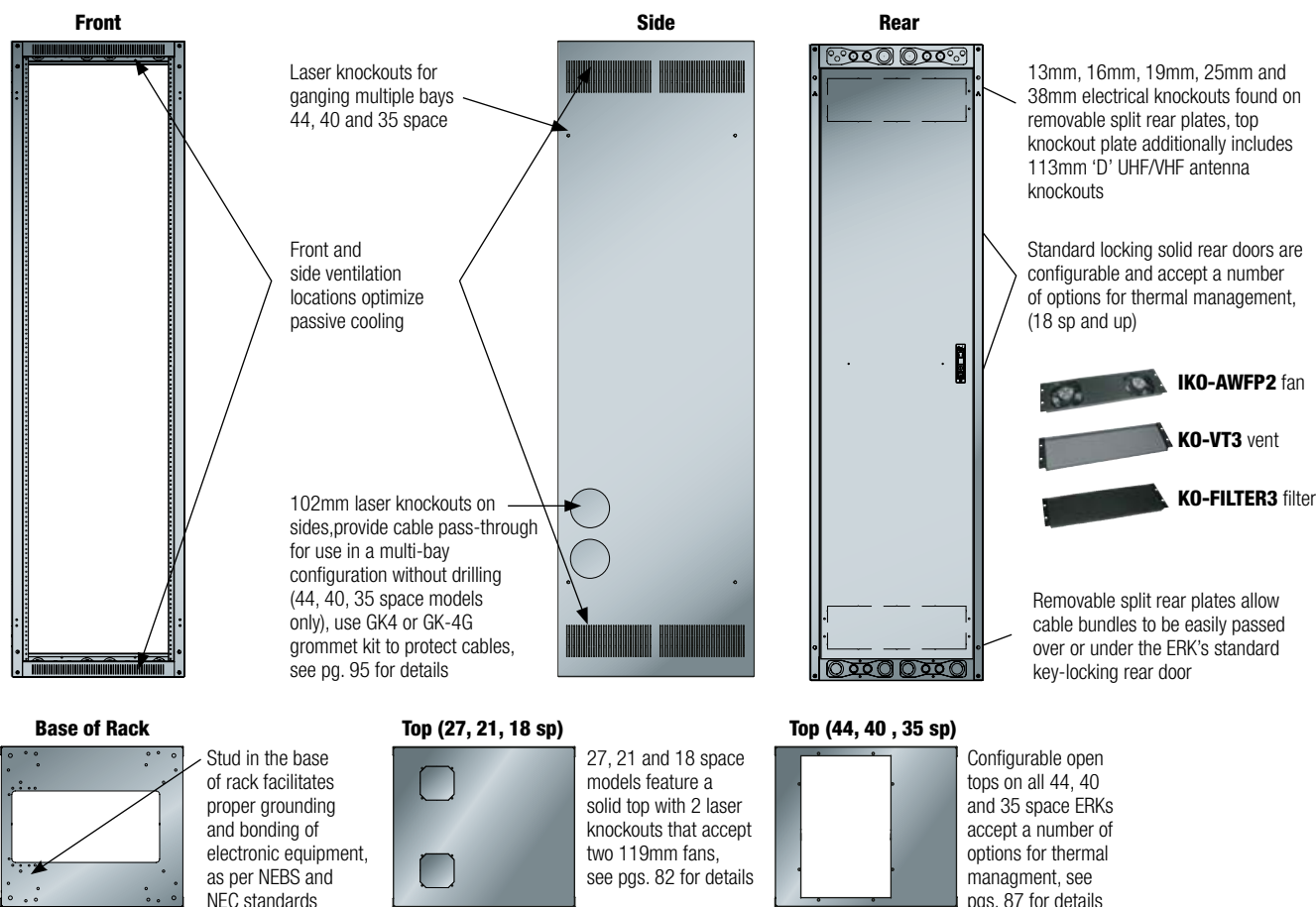
- Multiple lacing points and slotted rail brackets add cable management convenience to ERKs

Regulatory / Certifications

- Static load capacity - 4536 kg.
- UL Listed in the US and Canada. UL Listed load capacity - 1134 kg.
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) "D". These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor (Ip) is 1.5. Seismic Certified load capacity of 270 kg. when used with ERK-Z4 seismic floor anchor brackets.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth |  Skirted WheelBase (adds 94mm) | Additional Rackrail |
|-----------|-------------------|----------------|---------------|---------------|--|---------------------|
| ERK-1820* | 800mm (18 space) | 905mm | 470mm | 508mm | CBS-ERK-20 | ERK-RR18 |
| ERK-1825* | 800mm (18 space) | 905mm | 599mm | 635mm | CBS-ERK-25 | ERK-RR18 |
| ERK-2120* | 933mm (21 space) | 1038mm | 470mm | 508mm | CBS-ERK-20 | ERK-RR21 |
| ERK-2125* | 933mm (21 space) | 1038mm | 599mm | 635mm | CBS-ERK-25 | ERK-RR21 |
| ERK-2720* | 1200mm (27 space) | 1305mm | 470mm | 508mm | CBS-ERK-20 | ERK-RR27 |
| ERK-2725* | 1200mm (27 space) | 1305mm | 599mm | 635mm | CBS-ERK-25 | ERK-RR27 |
| ERK-3520* | 1556mm (35 space) | 1661mm | 470mm | 508mm | CBS-ERK-20 | ERK-RR35 |
| ERK-3525* | 1556mm (35 space) | 1661mm | 599mm | 635mm | CBS-ERK-25 | ERK-RR35 |
| ERK-4020* | 1778mm (40 space) | 1883mm | 470mm | 508mm | CBS-ERK-20 | ERK-RR40 |
| ERK-4025* | 1778mm (40 space) | 1883mm | 599mm | 635mm | CBS-ERK-25 | ERK-RR40 |
| ERK-4420* | 1956mm (44 space) | 2061mm | 470mm | 508mm | CBS-ERK-20 | ERK-RR44 |
| ERK-4425* | 1956mm (44 space) | 2061mm | 599mm | 635mm | CBS-ERK-25 | ERK-RR44 |

*available without rear door, suffix part # 'LRD' - for ready to assemble models, suffix part # 'KD'



Rack Options: The options listed below are the most widely used accessories for this series of enclosure but are not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | | Rear Door | | 64% Open Area Perf Top | Solid Top | Vented Top | Tops | |
|----------|-------------|--------|--------------------|--------------------|--------------------------|---------|------------------------|-----------|------------|--|--|
| | Solid | Plexi | 25% Open Area Perf | 64% Open Area Perf | Top & Bottom Slot Vented | | | | | for (3) 119mm Fans (8,07 m³/min Total) | for (1) 254mm Fan (15,58 m³/min Total) |
| ERK-1820 | FD-18 | PFD-18 | VFD-18 | LVFD-18 | ERK-VRD-18 | — | — | — | — | — | — |
| ERK-1825 | FD-18 | PFD-18 | VFD-18 | LVFD-18 | ERK-VRD-18 | — | — | — | — | — | — |
| ERK-2120 | FD-21 | PFD-21 | VFD-21 | LVFD-21 | ERK-VRD-21 | — | — | — | — | — | — |
| ERK-2125 | FD-21 | PFD-21 | VFD-21 | LVFD-21 | ERK-VRD-21 | — | — | — | — | — | — |
| ERK-2720 | FD-27 | PFD-27 | VFD-27 | — | ERK-VRD-27 | — | — | — | — | — | — |
| ERK-2725 | FD-27 | PFD-27 | VFD-27 | — | ERK-VRD-27 | — | — | — | — | — | — |
| ERK-3520 | FD-35 | PFD-35 | VFD-35 | LVFD-35 | ERK-VRD-35 | ERK-LVT | ERK-ST | ERK-VT | ERK-4FT | ERK-10FT | ERK-10FT |
| ERK-3525 | FD-35 | PFD-35 | VFD-35 | LVFD-35 | ERK-VRD-35 | ERK-LVT | ERK-ST | ERK-VT | ERK-4FT | ERK-10FT | ERK-10FT |
| ERK-4020 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | ERK-VRD-40 | ERK-LVT | ERK-ST | ERK-VT | ERK-4FT | ERK-10FT | ERK-10FT |
| ERK-4025 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | ERK-VRD-40 | ERK-LVT | ERK-ST | ERK-VT | ERK-4FT | ERK-10FT | ERK-10FT |
| ERK-4420 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | ERK-VRD-44 | ERK-LVT | ERK-ST | ERK-VT | ERK-4FT | ERK-10FT | ERK-10FT |
| ERK-4425 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | ERK-VRD-44 | ERK-LVT | ERK-ST | ERK-VT | ERK-4FT | ERK-10FT | ERK-10FT |

for more info refer to pgs. 22-26



WRK Series Gangable Rack Enclosure



EIA/TIA Compliant



Spec. #
96-0526
for full
product
info.

A&E



WRK-44-32

WRK = Wider Rack

The wider footprint of this rack series was designed for mounting equipment that uses more substantial cable bundles than would fit easily in a basic rack, particularly in multi-bay installations, or for greater cooling airflow.

Choose a WRK when these capabilities are required, and where seismic certification and open or removable sides are required or preferred.

Structural Features

- Fully welded construction for strength
- 622mm overall width provides space for side cabling or cooling airflow
- Standard front and rear adjustable extra-wide, heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments speeds equipment mounting
- Beveled outside curves for strength and striking appearance
- Finished in a durable black textured powder coat

Thermal Management

- Comes with standard configurable rear door, compatible with optional cooling and filter kits
- Solid (steel or plexi) and vented front door options are available
- Solid, vented and fan top options are available

Cable Management

- Standard front and rear adjustable, extra-wide rackrail features cable pass-throughs to facilitate front-to-rear cabling
- Multiple lacing points and slotted rail brackets for cable management flexibility

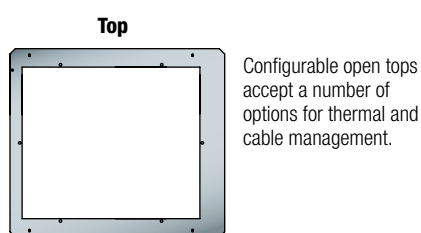
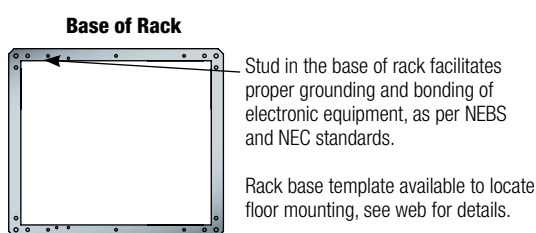
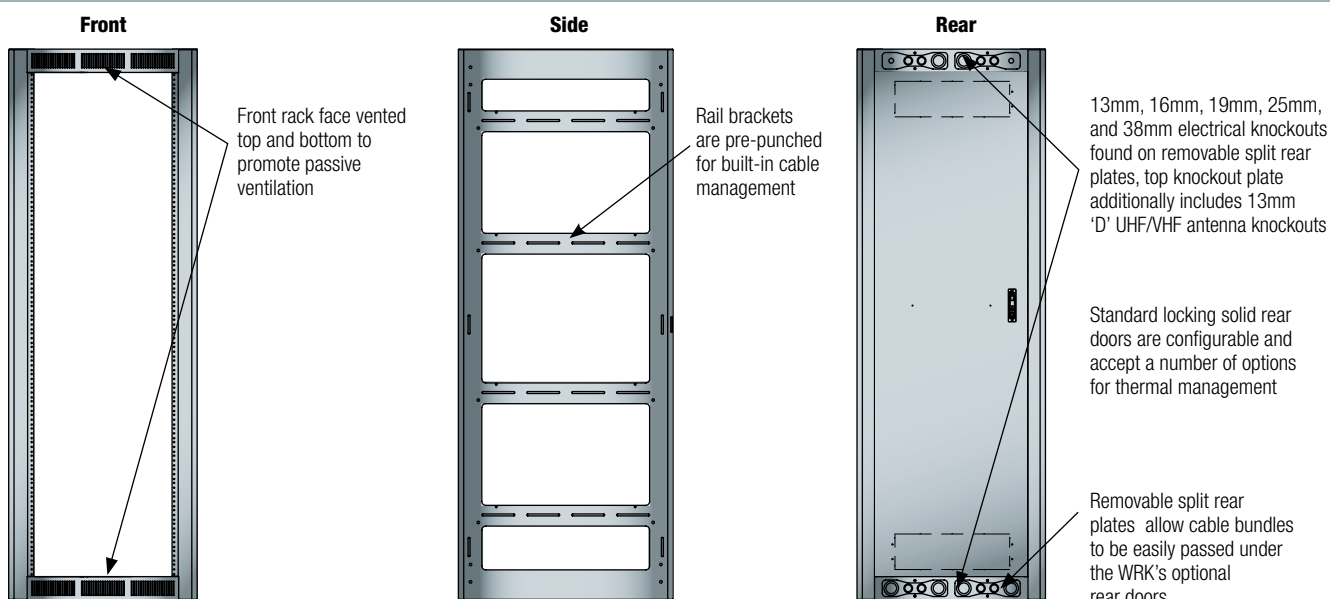
Regulatory / Certifications

- Static load capacity - 4,536 kg
- UL Listed in the US and Canada. UL Listed load capacity - 1,134 kg
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) "D". These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor (Ip) is 1.5. Seismic Certified load capacity of 409 kg
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | UL LISTED Caster Base | Add'l 10/32 Threaded Rackrail | Add'l Cage Nut Rackrail | Lockable Side Panels |
|------------|--------------------|----------------|---------------|---------------|-----------------------|-------------------------------|-------------------------|----------------------|
| WRK-24-27 | 1,067mm (24 space) | 1,223mm | 654mm | 701mm | CBS-WRK-27 | WRK-RR24 | PROWRK-RR24 | SPN-24-267 |
| WRK-24-32 | 1,067mm (24 space) | 1,223mm | 781mm | 828mm | CBS-WRK-32 | WRK-RR24 | PROWRK-RR24 | SPN-24-312 |
| WRK-37-27 | 1,645mm (37 space) | 1,800mm | 654mm | 701mm | CBS-WRK-27 | WRK-RR37 | PROWRK-RR37 | SPN-37-267 |
| WRK-37-32 | 1,645mm (37 space) | 1,800mm | 781mm | 828mm | CBS-WRK-32 | WRK-RR37 | PROWRK-RR37 | SPN-37-312 |
| WRK-40-27 | 1,778mm (40 space) | 1,934mm | 654mm | 701mm | CBS-WRK-27 | WRK-RR40 | PROWRK-RR40 | SPN-40-267 |
| WRK-40-32 | 1,778mm (40 space) | 1,934mm | 781mm | 828mm | CBS-WRK-32 | WRK-RR40 | PROWRK-RR40 | SPN-40-312 |
| WRK-44-27* | 1,956mm (44 space) | 3,112mm | 654mm | 701mm | CBS-WRK-27 | WRK-RR44 | PROWRK-RR44 | SPN-44-267 |
| WRK-44-32* | 1,956mm (44 space) | 3,112mm | 781mm | 828mm | CBS-WRK-32 | WRK-RR44 | PROWRK-RR44 | SPN-44-312 |

*available without rear door, suffix part # 'LRD'

WRK-SA stand-alone versions also available. Please call or visit www.middleatlantic.com for details.



Rack Options: The options listed below are the most widely used accessories for this series of enclosure but is not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | | | Rear Doors* | | Solid Top | Vented Top |
|-----------|-------------|--------|--------------------|--------------------|--------------|--------------------|---------------------|-----------|------------|
| | Solid | Plexi | 25% Open Area Perf | 64% Open Area Perf | Plexi Vented | 64% Open Area Perf | 79% Perf Split Door | | |
| WRK-24-27 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | - | - | - | MW-ST | MW-LVT |
| WRK-24-32 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | - | - | - | MW-ST | MW-LVT |
| WRK-37-27 | FD-37 | PFD-37 | VFD-37 | LVFD-37 | - | - | - | MW-ST | MW-LVT |
| WRK-37-32 | FD-37 | PFD-37 | VFD-37 | LVFD-37 | - | - | - | MW-ST | MW-LVT |
| WRK-40-27 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | - | MW-LVRD-40 | - | MW-ST | MW-LVT |
| WRK-40-32 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | - | MW-LVRD-40 | - | MW-ST | MW-LVT |
| WRK-44-27 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT |
| WRK-44-32 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT |

*available without rear door, suffix part # 'LRD'



VMRK Series Gangable Video Rack Enclosure



EIA/TIA Compliant



Spec. #
96-178
for full
product
info.



VMRK-54

VRR-54

1 pair (2 pieces)
standard Z-Rail
for side mount
and rear hanging
applications



VMRK = Very Tall Multi-Bay Rack

Like the VRK, the VMRK series has a rugged, space-saving design with a 559mm broadcast standard width. This version adds extra height to take full advantage of taller spaces – delivering a full 54 rackspace in the same floor space as a standard rack!

Specify a VMRK to maximize your racking capacity, and where seismic certification and open or removable sides are required or preferred.

Structural Features

- Fully welded construction for strength
- 54 spaces of racking height
- Standard front and rear adjustable heavy-gauge, 10-32 threaded “Z-Rail” with numbered rackspace increments to speed equipment mounting
- Racks gang together when fully loaded
- Finished in a durable black textured powder coat

Thermal Management

- Comes with standard solid locking rear door, optional vented rear doors available
- Solid (steel or plexi) and vented front door options are available
- Solid, vented and fan top options are available

Cable Management

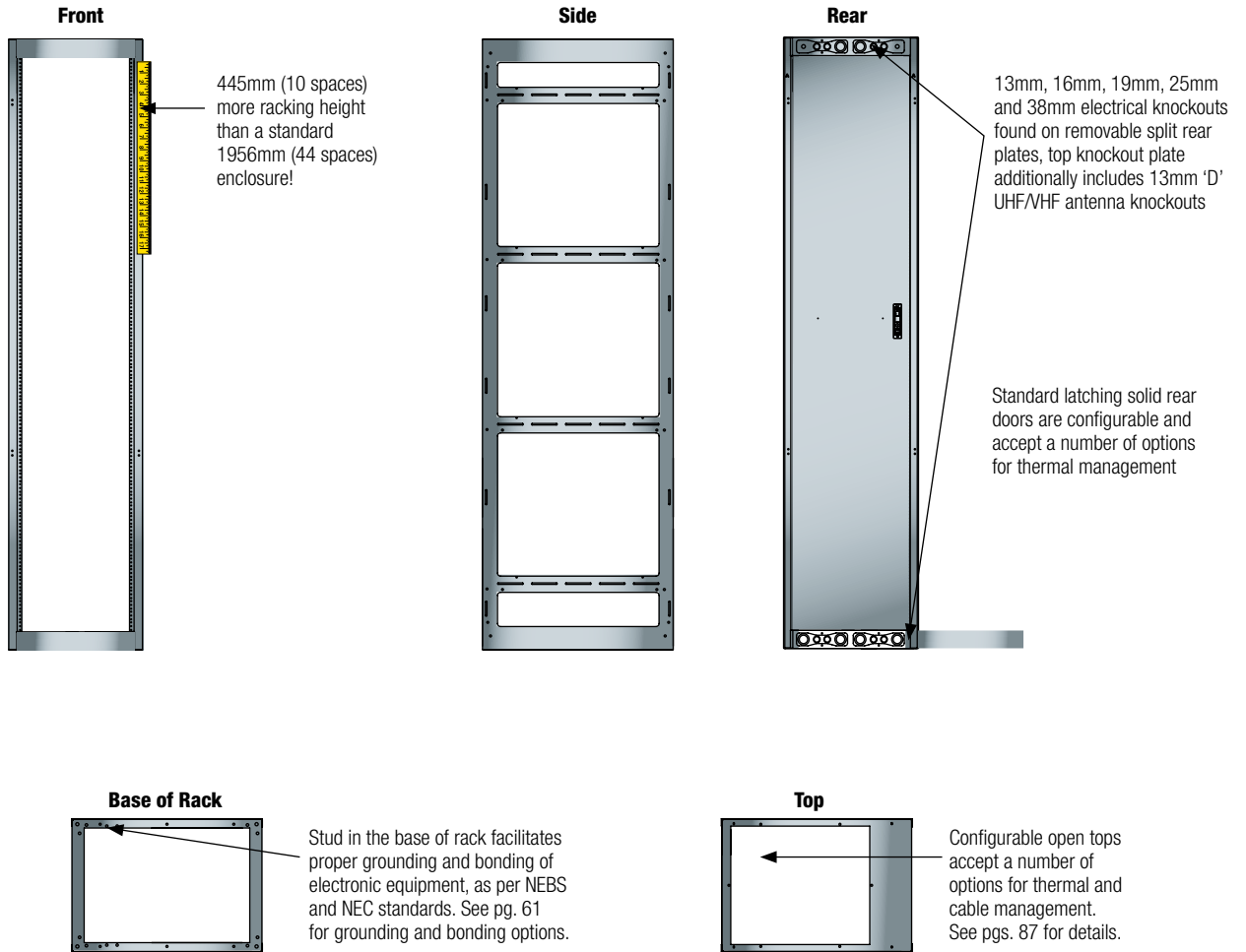
- Multiple lacing points and slotted rail brackets for cable management flexibility

Regulatory / Certifications

- Static load capacity – 4536 kg.
- UL Listed in the US and Canada. UL Listed load capacity – 1134 kg.
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor (Ip) is 1.5. Seismic Certified load capacity of 290 kg. when used with MRK-Z4 seismic floor anchor brackets.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width | Side Panels | Add'l 10/32 Threaded Z-rail |
|-------------|-------------------|----------------|---------------|---------------|---------------|-------------|-----------------------------|
| VMRK-54* | 2400mm (54 space) | 2556mm | 737mm | 800mm | 559mm | SPN-54-312 | VRR-54 |
| VMRK-54-36* | 2400mm (54 space) | 2556mm | 851mm | 914mm | 559mm | SPN-54-36 | VRR-54 |

*available without rear door, suffix part # 'LRD'



Rack Options: The options listed below are the most widely used accessories for this series of enclosure but is not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | Rear Doors | | 64% open Area Perf Top | Fan Tops | |
|------------|-------------|--------|--------------------|--------------------|-----------|------------------------|----------------------------------|---------------------------------------|
| | Solid | Plexi | 25% Open Area Perf | 64% Open Area Perf | Solid Top | | w/ (4) 119mm Fans (10,76 m³/min) | w/ (1) 254mm Fan (15,58 m³/min Total) |
| VMRK-54 | FD-54 | PFD-54 | VFD-54 | MW-LVRD-54 | MW-ST | MW-LVT | MW-4FT | MW-10FT |
| VMRK-54-36 | FD-54 | PFD-54 | VFD-54 | MW-LVRD-54 | MW-ST | MW-LVT | MW-4FT | MW-10FT |

for more info refer to pgs. 22-26



MRK Series Gangable Rack Enclosures



MRK = Multi-Bay Rack

The MRK series is a workhorse, with a rugged, space-saving design, as evidenced by its high seismic load rating. Its broad capabilities and wide range of options make it a favorite of installing contractors, particularly on larger-scale multi-bay jobs.

Specify an MRK when these capabilities are required, and where seismic certification and open or removable sides are required or preferred.

Structural Features

- Fully welded construction for strength
- Standard front and rear adjustable heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments to speed equipment mounting.
- Racks with PRO suffix include two pair cage nut style rackrail
- Racks gang together when fully loaded
- Finished in a durable black textured powder coat

Thermal Management

- Comes with standard configurable rear door, compatible with optional cooling and filter kits
- Solid (steel or plexi) and vented front door options are available
- Solid, vented and fan top options are available

Cable Management

- Multiple lacing points and slotted rail brackets for cable management flexibility

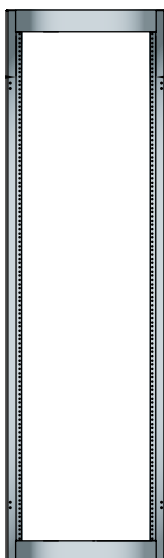
Regulatory / Certifications

- Static load capacity – 4536 kg.
- UL Listed in the US and Canada. UL Listed load capacity – 1134 lbs.
- OSHPD approved for fixed equipment anchorage in California healthcare facilities
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) "D". These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor I_p is 1.5. Seismic Certified load capacity of 476 kg when used with MRK-Z4 seismic floor anchor brackets.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

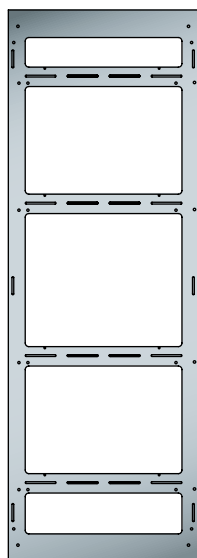
| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width | Side Panels | Caster Base (adds 15/1152mm) | Add'l 10/32 Threaded Rackrail |
|--|--------------------|----------------|--|---------------|---------------|-------------|------------------------------|-------------------------------|
| MRK-2426 | 1067mm (24 Spaces) | 1223mm | 610mm | 673mm | 559mm | SPN-24-267 | CBS-MRK-26 | MV-RR24 |
| MRK-2431 | 1067mm (24 Spaces) | 1223mm | 737mm | 800mm | 559mm | SPN-24-312 | CBS-MRK-31 | MV-RR24 |
| MRK-3726 | 1645mm (37 Spaces) | 1800mm | 610mm | 673mm | 559mm | SPN-37-267 | CBS-MRK-26 | MV-RR37 |
| MRK-3731 | 1645mm (37 Spaces) | 1800mm | 737mm | 800mm | 559mm | SPN-37-312 | CBS-MRK-31 | MV-RR37 |
| MRK-4026 | 1778mm (40 Spaces) | 1934mm | 610mm | 673mm | 559mm | SPN-40-267 | CBS-MRK-26 | MV-RR40 |
| MRK-4031 | 1778mm (40 Spaces) | 1934mm | 737mm | 800mm | 559mm | SPN-40-312 | CBS-MRK-31 | MV-RR40 |
| MRK-4036* | 1778mm (40 Spaces) | 1934mm | 851mm | 914mm | 559mm | SPN-40-36 | CBS-MRK-36 | MV-RR40 |
| MRK-4042* | 1778mm (40 Spaces) | 1934mm | 1003mm | 1067mm | 559mm | SPN-40-423 | CBS-MRK-42 | MV-RR40 |
| MRK-4426* | 1956mm (44 Spaces) | 2112mm | 610mm | 673mm | 559mm | SPN-44-267 | CBS-MRK-26 | MV-RR44 |
| MRK-4431* | 1956mm (44 Spaces) | 2112mm | 737mm | 800mm | 559mm | SPN-44-312 | CBS-MRK-31 | MV-RR44 |
| MRK-4431PRO** | 1956mm (44 Spaces) | 2112mm | 737mm | 800mm | 559mm | SPN-44-312 | CBS-MRK-31 | MV-RR44 |
| MRK-4436* | 1956mm (44 Spaces) | 2112mm | 851mm | 914mm | 559mm | SPN-44-36 | CBS-MRK-36 | MV-RR44 |
| MRK-4436PRO** | 1956mm (44 Spaces) | 2112mm | 851mm | 914mm | 559mm | SPN-44-36 | CBS-MRK-36 | MV-RR44 |
| MRK-4442* | 1956mm (44 Spaces) | 2112mm | 1003mm | 1067mm | 559mm | SPN-44-423 | CBS-MRK-42 | MV-RR44 |
| MRK-4442PRO** | 1956mm (44 Spaces) | 2112mm | 1003mm | 1067mm | 559mm | SPN-44-423 | CBS-MRK-42 | MV-RR44 |
| *available without rear door, suffix part # with 'LRD' | | | **configured with 2 pairs of cage nut style rackrail | | | | | |



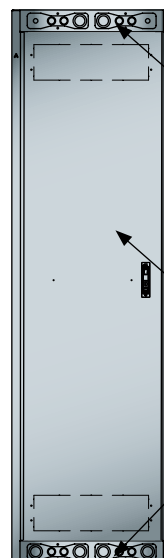
Front



Side



Rear

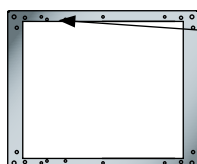


13mm, 16mm, 19mm, 25mm and 38mm electrical knockouts found on removable split rear plates, top knockout plate additionally includes 13mm 'D' UHF/VHF antenna knockouts

Standard solid rear doors are configurable and accept a number of options for thermal management see pg. 128 for details (21 sp and up)

Removable split rear plates allow cable bundles to be easily passed over or under the MRK's standard key-locking rear door

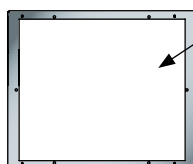
Base of Rack



Stud in the base of rack facilitates proper grounding and bonding of electronic equipment, as per NEBS and NEC standards. See pg. 61 for grounding and bonding options.

Rack base template available to locate floor mounting, see web for details.

Top



Configurable open tops accept a number of options for thermal and cable management. See pgs. 87 for details.



Custom tops available call for details

Rack Options: The options listed below are the most widely used accessories for this series of enclosure but is not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | | | Rear Doors | | | Solid Top | 64% Open Area Perf Top | Fan Tops | |
|-------------|-------------|--------|--------------------|--------------------|--------------|--------------------|--------------------------|--|-----------|------------------------|--------------------------------------|--|
| | Solid | Plexi | 25% Open Area Perf | 64% Open Area Perf | Plexi Vented | 64% Open Area Perf | 79% Open Area Split Perf | for (4) 119mm Fans (10,72 m³/minTotal) | | | for (1) 10" Fan (15,58 m³/min Total) | |
| MRK-2426 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | - | - | MW-CLVRD-24 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-2431 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | - | - | MW-CLVRD-24 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-3726 | FD-37 | PFD-37 | VFD-37 | LVFD-37 | - | - | - | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-3731 | FD-37 | PFD-37 | VFD-37 | LVFD-37 | - | - | - | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4026 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | - | MW-LVRD-40 | - | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4031 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | - | MW-LVRD-40 | - | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4036 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | - | MW-LVRD-40 | - | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4042 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | - | MW-LVRD-40 | - | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4426 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4431 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4431PRO | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4436 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4436PRO | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4442 | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |
| MRK-4442PRO | FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | MW-LVRD-44 | MW-CLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT | |

for more info refer to pgs. 22-26



DRK Series Gangable Cable Management Rack Enclosure



EIA/TIA Compliant



Spec. #
96-967
for full
product
info.



Models Available



DRK = Data Networking Enclosure

The DRK was designed specifically to support high-density cable management. Wide 762 mm footprint provides generous amounts of internal cable space.

Specify a DRK for use in network patching and other high-density cable management applications, and where seismic certification and open or removable sides are required or preferred.

Structural Features

- Fully welded construction for strength
- Standard front and rear adjustable 10-32 threaded or cage nut (with PRO suffix) rackrail with numbered rackspace increments to simplify equipment mounting
- Available in 19" panel widths
- Racks gang together when fully loaded
- Finished in a durable black textured powder coat
- Includes 100 rack screws

Thermal Management

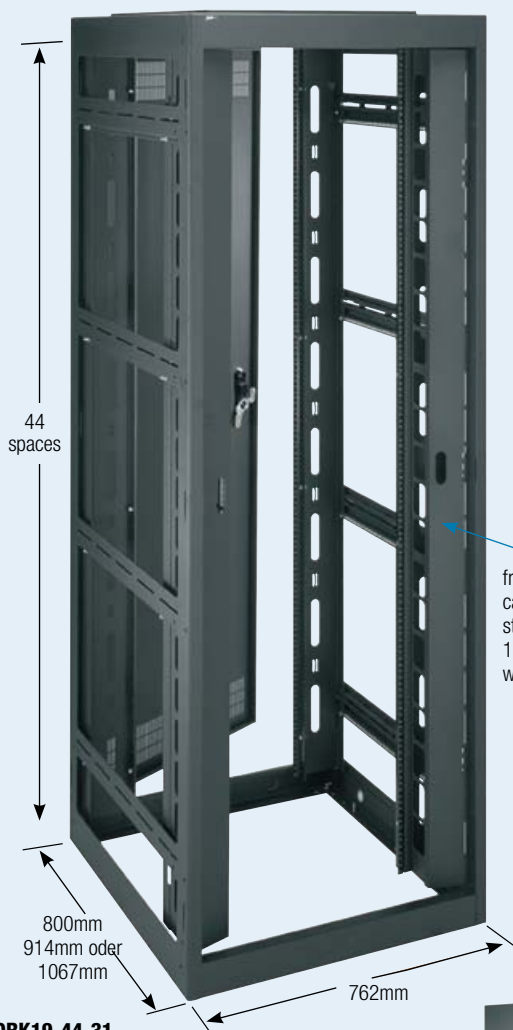
- Includes partially vented locking-rear door; suffix with LRD to receive with no rear door
- Solid (plexi) and vented front door options are available
- Solid, vented and fan top options are also available

Cable Management

- Includes pre-installed cable ducts with hinged steel doors and magnetic closures
- Cable duct mounted in front standard, can also be mounted to rear
- Ducts accommodate copper and fiber equally well

Regulatory / Certifications

- Static load capacity - 4536 kg.
- UL Listed in the US and Canada. UL Listed load capacity - 1134 kg.
- OSHDP approved for fixed equipment anchorage in California healthcare facilities
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) "D". These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor (Ip) is 1.5. Seismic Certified load capacity of 340 kg when used with MRK-Z4 seismic floor anchor brackets.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)




DRK19-44-31

front vertical
cable ducts
standard on
19" panel
width models

DRK19-44-31K

shown with optional vented
plexi front door (DPVFD-44)
and side panels



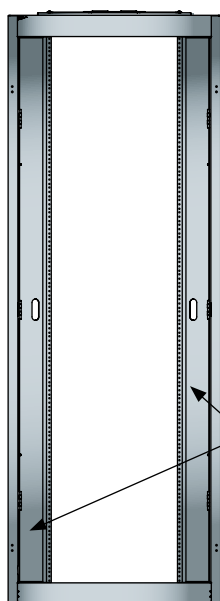
| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width | Side Panels |  Casterbase | Add'l 10/32 Threaded Rackrail |
|-----------------|--------------------|----------------|---------------|---------------|---------------|-------------|---|-------------------------------|
| DRK19-44-31* | 1956mm (44 Spaces) | 2121mm | 616mm | 800mm | 762mm | SPN-44-312 | CBS-DRK-31 | DRK19-RR44 |
| DRK19-44-31PRO* | 1956mm (44 Spaces) | 2121mm | 616mm | 800mm | 762mm | SPN-44-312 | CBS-DRK-31 | DRK19-RR44 |
| DRK19-44-36* | 1956mm (44 Spaces) | 2121mm | 730mm | 914mm | 762mm | SPN-44-36 | CBS-DRK-36 | DRK19-RR44 |
| DRK19-44-36PRO* | 1956mm (44 Spaces) | 2121mm | 730mm | 914mm | 762mm | SPN-44-36 | CBS-DRK-36 | DRK19-RR44 |
| DRK19-44-42* | 1956mm (44 Spaces) | 2121mm | 899mm | 1067mm | 762mm | SPN-44-423 | — | DRK19-RR44 |
| DRK19-44-42PRO* | 1956mm (44 Spaces) | 2121mm | 899mm | 1067mm | 762mm | SPN-44-423 | — | DRK19-RR44 |
| DRK19-44-31K | 1956mm (44 Spaces) | 2121mm | 616mm | 800mm | 762mm | included | CBS-DRK-31 | DRK19-RR44 |

*available without rear door, suffix part # 'LRD'

23" wide models are available by special order, please enquire.

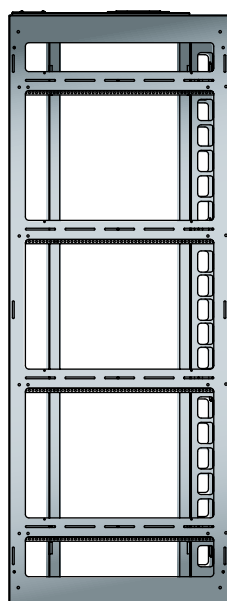


Front



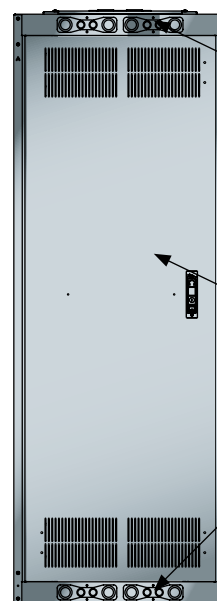
Comes standard with two front-mounted vertical cable ducts featuring abundant cable entry points and a full-length hinged door with catches

Side



DRK-44DUCT
add cable duct when rear cable management is required, single piece

Rear



13mm, 16mm, 19mm, 25mm or 38mm electrical knockouts found on removable split rear plates, top knockout plate additionally includes 13mm 'D' UHF/VHF antenna knockouts

Standard partially vented rear door is reversible to allow opening from either direction

Removable split rear plates allow cable bundles to be easily passed over or under the DRK's standard keylocking rear door

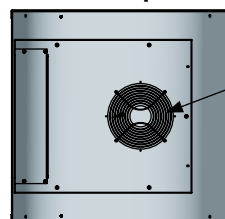
Base of Rack

Stud in the base of rack facilitates proper grounding and bonding of electronic equipment, as per NEBS and NEC standards.



See pg. 61 for grounding and bonding options

Fan Top



Standard 254mm fan top comes with a fan guard, 254mm fan optional. Or replace with one of many unique configurable top options see pgs. 82 for details.

Rack Options: The options listed below are the most widely used accessories for this series of enclosure but is not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | Rear Doors | | | | Solid Top | 64% Open Area Perf Top | Fan Tops | |
|----------------|-------------|---------------|--------------|--------------|-------------|--------------------|--------------------------|-----------|------------------------|---|---|
| | Plexi | 25% Open Area | Plexi Vented | Fully Vented | Solid Split | 64% Open Area Perf | 79% Open Area Split Perf | | | w/ (4) 119mm Fans (10,72 m ³ /min Total) | w/ (1) 254 mm Fan (15,58 m ³ /min Total) |
| DRK19-44-31 | DPFD-44 | DVFD-44 | DPVFD-44 | DFVRD-44 | DCRD-44 | DLVRD-44 | DCLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT |
| DRK19-44-31PRO | DPFD-44 | DVFD-44 | DPVFD-44 | DFVRD-44 | DCRD-44 | DLVRD-44 | DCLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT |
| DRK19-44-36 | DPFD-44 | DVFD-44 | DPVFD-44 | DFVRD-44 | DCRD-44 | DLVRD-44 | DCLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT |
| DRK19-44-36PRO | DPFD-44 | DVFD-44 | DPVFD-44 | DFVRD-44 | DCRD-44 | DLVRD-44 | DCLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT |
| DRK19-44-42 | DPFD-44 | DVFD-44 | DPVFD-44 | DFVRD-44 | DCRD-44 | DLVRD-44 | DCLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT |
| DRK19-44-42PRO | DPFD-44 | DVFD-44 | DPVFD-44 | DFVRD-44 | DCRD-44 | DLVRD-44 | DCLVRD-44 | MW-ST | MW-LVT | MW-4FT | MW-10FT |
| DRK19-44-31K | included | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | MW-10FT (incl.) |

for more info refer to pgs. 22-26



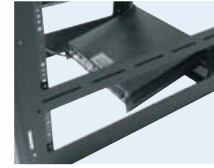
EIA/TIA Compliant

Spec. #
96-936
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product
info.

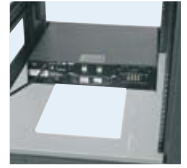
Inner Platform Base [for MRK and WRK Series Racks]

Provides a handy platform, flush with bottom rackspace, for supporting heavy equipment and mounting electrical boxes. Fits inside rack.

| Part # | Fits |
|-----------|-----------------|
| BS-WRK-27 | WRK 686mm deep |
| BS-WRK-32 | WRK 813mm deep |
| BS-MRK-26 | MRK 660mm deep |
| BS-MRK-31 | MRK 787mm deep |
| BS-MRK-36 | MRK 914mm deep |
| BS-MRK-42 | MRK 1067mm deep |

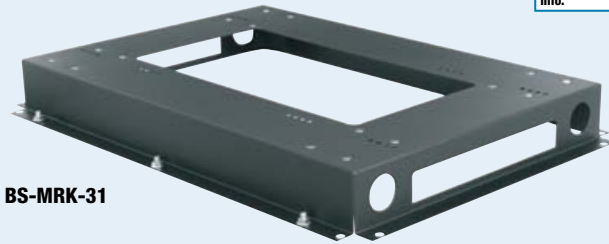


component installation
without inner platform base



component installation
is simplified with inner
platform base

BGR options are shown on rack series pgs.



BS-MRK-31

Swivel Casters [for ERK and Slim 5 Series Racks]

Bolt to bottom of all ERK & Slim 5 series rack systems. Adds 99mm to overall height.

Commercial grade casters

- 590 kg weight capacity

Fine floor casters

- 318kg weight capacity
- Constructed from synthetic rubber to protect fine flooring!

BGR options are shown on rack series pgs.



5W
set of 4
commercial
grade casters

5WL
set of 4
commercial
locking
grade casters

5WR
set of 4
fine floor
casters

5WLR
set of 4
locking fine
floor casters

Skirted Caster Bases [for ERK and Slim 5 Series Racks]

Skirted base hides wheels for an improved aesthetic appearance, and bolt to bottom of ERK and Slim 5 Series rack systems. Skirted caster bases add 95mm to overall rack height. Each base comes with its wheels pre-installed.

Commercial grade casters

- Heavy duty non-locking 3" swivel wheels
- UL Listed in the US and Canada

Fine floor casters

- 318 kg weight capacity
- Constructed from synthetic rubber to protect fine flooring!

| Commercial Grade Caster Base Part # | Fine Floor Caster Base Part # | Fits |
|--|----------------------------------|--------------------|
| CBS-ERK-20 | CBS-ERK-20R | ERK 508mm depth |
| CBS-ERK-25 | CBS-ERK-25R | ERK 635mm depth |
| CBS-5 | CBS-5R | Sim 5 508mm depth |
| CBS-5-26 | CBS-5-26R | Slim 5 660mm depth |

BGR options are shown on rack series pgs.



CBS-ERK-20R

Recessed Caster Bases [for MRK, WRK and DRK Series Racks]

Recessed caster bases fit inside the rack and only increase the overall rack height by 25mm. Recessed Caster bases work with LF leveling feet, see pg. 23. Each base comes with its wheels pre-installed.

Commercial grade casters

- Heavy duty non-locking 76mm swivel wheels
- 590 kg weight capacity
- UL Listed in the US and Canada

Fine floor casters

- 318kg weight capacity
- Constructed from synthetic rubber to protect fine flooring!

| Commercial Grade Caster Base Part # | Fine Floor Caster Base Part # | Fits |
|--|----------------------------------|-----------------|
| CBS-WRK-27 | CBS-WRK-27R | WRK 685mm deep |
| CBS-WRK-32 | CBS-WRK-32R | WRK 1067mm deep |
| CBS-MRK-26 | CBS-MRK-26R | MRK 660mm deep |
| CBS-MRK-31 | CBS-MRK-31R | MRK 787mm deep |
| CBS-MRK-36 | CBS-MRK-36R | MRK 914mm deep |
| CBS-DRK-31 | — | DRK 787mm deep |
| CBS-DRK-36 | — | DRK 914mm deep |



CBS-MRK-31



EIA/TIA Compliant

Spec. #
96-936
for full
product
info.



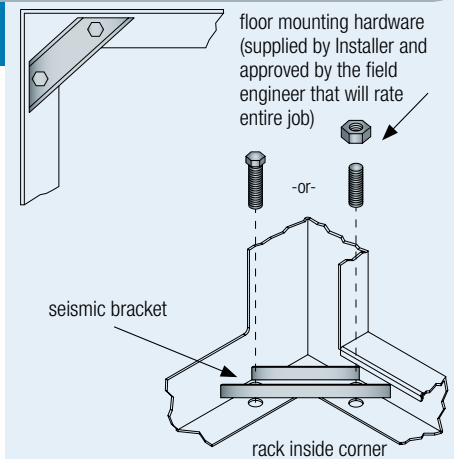
Seismic Floor Anchor Brackets

When properly installed, seismic floor anchor brackets bring any Seismic Certified DRK, WRK, MRK, VMRK, VRK, ERK, SC, SCQ, SCRK, SCQRK and WMRK Series enclosure to applicable Zone 4, Seismic Design Category (SDC) "D" and Seismic Use Group III Upper Floor Essential Equipment rating and have an Ip rating of 1.5. Includes four brackets.

| Part # | Fits |
|---------|-----------------------------|
| WRK-Z4 | WRK Series |
| MRK-Z4 | MRK, DRK, VMRK Series |
| VRK-Z4 | VRK Series |
| ERK-Z4 | ERK Series |
| SC-Z4 | SC, SCQ, SCRK, SCQRK Series |
| WMRK-Z4 | WMRK Series |



BGR options are shown on rack series pgs.

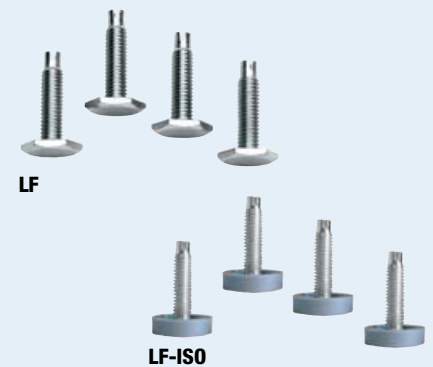


Leveling Feet

Adjustable leveling feet fit Middle Atlantic Products floor standing steel racks and enclosures (excludes VRK Series). Isolation Leveling Feet feature protective rubber cover to isolate racks from the floor. Flat-blade and hex drive allows for adjustment. Also can be used in conjunction with recessed caster bases for MRK, WRK & DRK Series racks. Set of four. NOTE: Raises enclosure from 3mm to 25mm off floor.

| Part # | Description |
|---------|------------------------------|
| LF | leveling feet |
| LF-ISO | isolation leveling feet |
| LF-WMRK | WMRK isolation leveling feet |

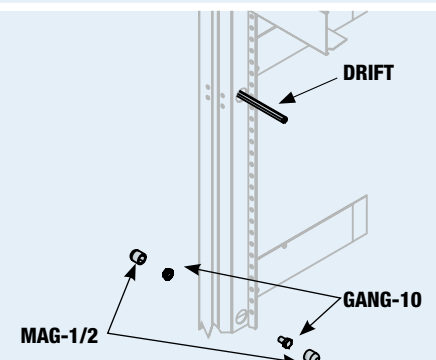
BGR options are shown on rack series pgs.



Ganging Hardware

Time-saving ganging hardware provides easy field alignment and joining of multi-bay enclosures. Available hardware includes drift pins, 13mm magnetized sockets and enough 21mm flange nuts and bolts to gang up to 10 racks or consoles.

| Part # | Description |
|----------|--|
| DRIFT | set of two tapered drift pins |
| MAG-1/2 | set of two 13mm magnetic sockets |
| GANG-10 | 21mm nuts/bolts to gang 10 racks or consoles |
| GANG-10T | 8mm bolts for ganging BGR via threaded inserts |



Side Panels

The new sides (37 spaces and above) are horizontally split with an easier to manage interlocking design. Same user-installed keylock option for additional security if desired – as is the standard on all our universal side panels. NOTE: Each side panel adds 16mm to width of rack.

| Part # | Description | Fits | Part # | Description | Fits |
|------------|----------------------|--------------------------------------|------------|----------------------|--|
| SPN-24-267 | 2 full-height panels | racks 24 space & 660 or 686mm deep | SPN-42-48 | 4 half-height panels | fits racks 42 space & 1519mm deep |
| SPN-24-312 | 2 full-height panels | racks 24 space & 787 or 813mm deep | SPN-44-267 | 4 half-height panels | fits 44 space & 660 or 686mm deep |
| SPN-24-36 | 2 full-height panels | racks 24 space & 914mm deep | SPN-44-312 | 4 half-height panels | racks 44 space & 787mm or 813mm deep |
| SPN-27-267 | 4 half-height panels | racks 37 space & 660mm or 686mm deep | SPN-44-36 | 4 half-height panels | racks 44 space & 914mm deep |
| SPN-37-312 | 4 half-height panels | racks 37 space & 787mm or 813mm deep | SPN-44-423 | 4 half-height panels | racks 44 space & 1067mm or 1092mm deep |
| SPN-40-267 | 4 half-height panels | racks 40 space & 660mm or 686mm deep | SPN-45-36 | 4 half-height panels | racks 45 space & 914mm deep |
| SPN-40-312 | 4 half-height panels | racks 40 space & 787mm or 813mm deep | SPN-45-42 | 4 half-height panels | racks 45 space & 1067mm deep |
| SPN-42-36 | 4 half-height panels | racks 42 space & 914mm deep | SPN-45-48 | 4 half-height panels | racks 45 space & 1519mm deep |
| SPN-42-42 | 4 half-height panels | racks 42 space & 1067mm deep | SPN-54-312 | 4 half-height panels | racks 54 space & 787mm deep |





Enclosure Options



HOT TIP!

Did You Know??- Time Saving Feature



All MW Series top options are designed with a removable 2 rackspace panel.



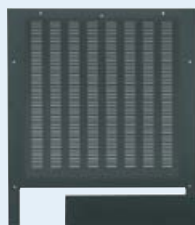
This removable panel allows for removal of top options without disruption of cables.

Solid and Vented Top Options

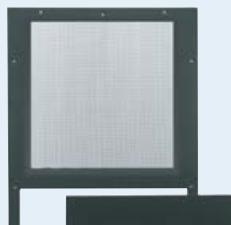
Select solid, slot pattern vented, or large perforated vented top options to address your thermal management needs.



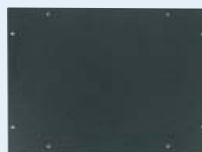
MW-ST



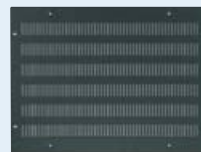
MW-VT



MW-LVT



ERK-ST



ERK-VT



ERK-LVT

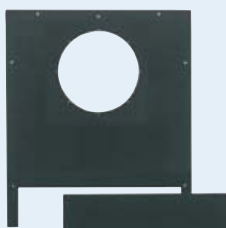
| Fits WR, WRK, MRK, VRK, VMRK, DRK Part # | Fits ERK, WMRK, SCRK Part # | Style |
|--|-----------------------------|-----------------------|
| MW-ST | ERK-ST | solid |
| MW-VT | ERK-VT | slot pattern vented |
| MW-LVT | ERK-LVT | vented, 64% open area |

Fan Top Options - Non-Populated

Top options accept 119mm or 254mm fans for active thermal management.



MW-4FT



MW-10FT

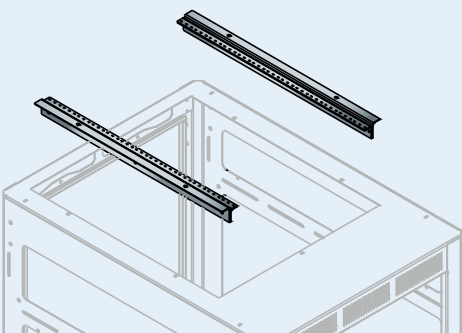


ERK-4FT



ERK-10FT

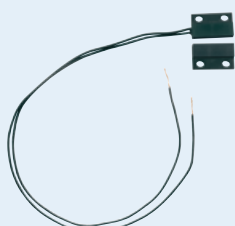
| Fits WR, WRK, MRK, VRK, VMRK, DRK Part # | Fits WMRK, ERK, SCRK, Part # | Fan Openings | Style |
|--|------------------------------|-----------------|---|
| MW-4FT | ERK-4FT | laser knockouts | mounts up to four 119mm fans (MW-4FT) or three 119mm fans (ERK-4FT) |
| MW-10FT | ERK-10FT | finished hole | mounts one 254mm fan |



Top Rail Kit

Convert the top of any WRK, MRK, VRK, VMRK, or DRK into useable rackspace with the MW-TR top rail kit. Can be used in conjunction with our connector panels to allow for customizable connections in the top of the rack. See pg. 162 for details on connector panels.

| Part # | Description |
|--------|-----------------------|
| MW-TR | 13 space top rail kit |



DCS

Door/Status Sensor

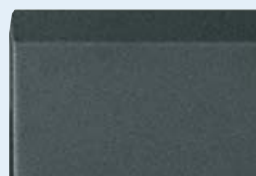
Mounts to any Middle Atlantic Products front and rear doors, and provides contact closure notification at door open/close events. Requires connection to system that senses contact closure.

| Part # | Quantity | Part # | Quantity |
|--------|----------|--------|----------|
| DCS | 1 | DCS-10 | 10 |

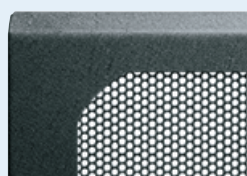


Locking Front Doors

Offered in lightly smoked plexi, 25% open area perf, 64% open area perf, plexi-vented and solid configurations. Beveled corners provide a stylish modern appearance while hinging either left or right. Black textured powder coat finish. Includes keylock.



FD



LVFD



PFD



PVFD



VFD

Front Door Part # (Fits MRK, VRK, VMRK, WRK, ERK, DWR, SR Series)

| Solid | Plexi | 25% Open Area Perf | 64% Open Area Perf | Plexi Vented | # of Rackspaces |
|-------|--------|--------------------|--------------------|--------------|-----------------|
| FD-54 | PFD-54 | VFD-54 | - | - | 54 |
| FD-46 | PFD-46 | VFD-46 | LVFD-46 | - | 46 |
| FD-45 | PFD-45 | VFD-45 | LVFD-45 | - | 45 |
| FD-44 | PFD-44 | VFD-44 | LVFD-44 | PVFD-44 | 44 |
| FD-42 | PFD-42 | VFD-42 | LVFD-42 | - | 42 |
| FD-40 | PFD-40 | VFD-40 | LVFD-40 | - | 40 |
| FD-37 | PFD-37 | VFD-37 | LVFD-37 | - | 37 |
| FD-35 | PFD-35 | VFD-35 | LVFD-35 | - | 35 |
| FD-27 | PFD-27 | VFD-27 | - | - | 27 |
| FD-24 | PFD-24 | VFD-24 | LVFD-24 | - | 24 |
| FD-21 | PFD-21 | VFD-21 | LVFD-21 | - | 21 |
| FD-18 | PFD-18 | VFD-18 | LVFD-18 | - | 18 |
| FD-16 | PFD-16 | VFD-16 | LVFD-16 | - | 16 |
| FD-12 | PFD-12 | VFD-12 | LVFD-12 | - | 12 |
| FD-10 | PFD-10 | VFD-10 | LVFD-10 | - | 10 |
| FD-8 | PFD-8 | VFD-8 | - | - | 8 |

Front Door Part # (Fits DRK Series)

| 25% Open Area | Plexi | Plexi Vented | # of Rackspaces |
|---------------|---------|--------------|-----------------|
| DVFD-44 | DPFD-44 | DPVFD-44 | 44 |



DVFD-44



DPVFD-44

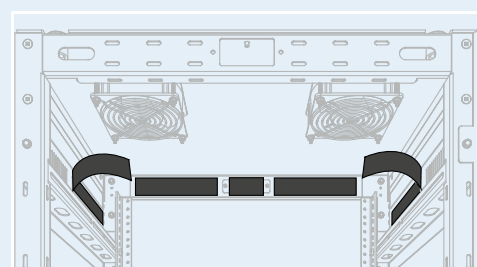
Vent Blockers

VBK Series Vent Blockers are used to promote active thermal management. Designed to prevent the re-circulation of hot air between top-mount fans and nearby vent openings, Vent Blockers should be placed over the enclosure's vents located on the upper front of the enclosure, upper sides, and upper rear door (depending on enclosure). This will ensure that heated enclosure air will be forced out through the top-mounted exhaust fans instead of re-circulating, keeping equipment cool.

| Part # | Used On |
|-------------|------------------------|
| VBK-W27-W32 | WRK-xx27 & WRK-xx-32 |
| VBK-WSA27 | WRK-xxSA-27 |
| VBK-WSA32 | WRK-xxSA-32, WR-xx-32* |
| VBK-E20 | ERK-xx20, DWR-xx-26 |
| VBK-E25 | ERK-xx25 |
| VBK-SCRK27 | SCRK Series |
| VBK-D17 | DWR-xx-17 |

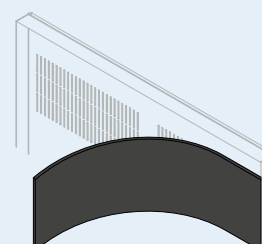
| Part # | Used On |
|----------|---------------------|
| VBK-SD22 | SR-40-22, DWR-xx-22 |
| VBK-S28 | SR-xx-28 |
| VBK-S32 | SR-xx-32, DWR-xx-32 |
| VBK-S42 | WR-xx-42* |
| VBK-V | VRK Series |
| VBK-DRK | DRK Series |

* When WR is not flush against a wall, block the rear opening with the optional rear access panel, model #WR-RAP-xx



vent blockers magnetized on one side only to eliminate stray magnetic fields

Vent Blockers
mount to the inside of enclosures to direct airflow



BGR options are shown on rack series pgs.



Enclosure Options

Thermal Management Kits for Rear Door

Middle Atlantic Products standard solid rear doors on WRK, MRK and ERK Series enclosures are configurable for achieving optimal active or passive thermal management. Fan, vent and filter kits are available to install after laser knockouts are removed. Fan and vent kits now available for solid split rear doors.



IKO-AWFP2



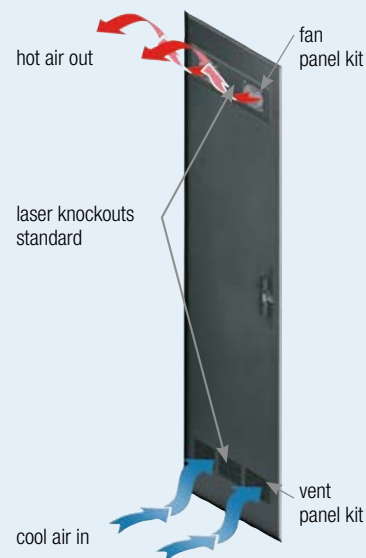
KO-VT3



KO-FILTER3

| WRK, MRK, ERK Standard Solid Rear Doors | |
|---|------------------------------------|
| Part # | Description |
| IKO-AWFP2 | fan kit with two fans, 5,38 m³/min |
| KO-VT3 | vent panel kit |
| KO-FILTER3 | filter kit |
| KO-WSB3 | blank panel kit |

| Solid Split Rear Doors | |
|------------------------|--|
| Part # | Description |
| IKO-CRD-FAN | fan kit with two fans, 5,38 m³/min and two vents |
| KO-CRD-VT | filter kit |

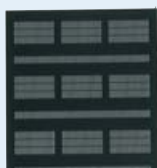


Optional Doors

Substitute a vented rear door for a solid rear door in selected sizes. Black textured powder coat finish. See web for racks available 'less rear door' (LRD). Fully vented rear doors have 64% open area. Split rear doors with 3 point latch offer 79% open area and require less floor space when accessing rear equipment connections.



| Rear Door Part # (Fits WMRK, MRK, VRK, VMRK, WRK Series) | | | | Fits ERK Only Top & Bottom Slot Vented | # of Rackspaces |
|--|--------------------------|--------------------|-------------|---|--------------------|
| Top & Bottom Slot Vented | 79% Open Area Split Perf | 64% Open Area Perf | Solid Split | | |
| - | MW-CLVRD-45 | - | MW-CRD-45 | - | 45 |
| MW-VRD-44 | MW-CLVRD-44 | MW-LVRD-44 | MW-CRD-44 | ERK-VRD-44 | 44 |
| - | MW-CLVRD-42 | - | MW-CRD-42 | - | 42 |
| - | - | MW-LVRD-40 | - | ERK-VRD-40 | 40 |
| - | - | - | - | ERK-VRD-35 | 35 |
| - | - | - | - | ERK-VRD-27 | 27 |
| - | MW-CLVRD-24 | - | MW-CRD-24 | - | 24 |
| - | - | - | - | ERK-VRD-21 | 21 |
| - | - | - | - | ERK-VRD-18 | 18 |



| Rear Door Part # (Fits DRK Series) | | | | |
|------------------------------------|--------------------------|--------------------|--------------------------|-------------|
| Slot Vents Fully Vented | Top & Bottom Slot Vented | 64% Open Area Perf | 79% Open Area Split Perf | Solid Split |
| DFVRD-44 | DVRD-44 | DSVRD-44 | DCLVRD-44 | DCRD-44 |

WR Series Roll Out Rotating System In Steel Host Enclosure



The WR Series was designed to provide for rear access to equipment even when the equipment bays are placed up against a wall or back to back.

Factory-assembled in its own host enclosure, the rack frame pulls out and rotates for service access.

Specify a WR Series enclosure when easy access to rear equipment connections is required for larger audio, video and security equipment installations but an access aisle is not practical.

Structural Features

- Standard front and rear heavy-gauge, 10-32 threaded rackrail with marked rackspace increments speeds equipment mounting
- Host enclosure can be pre-installed on-site while detachable rack frame is integrated with equipment off-site, simplifying installation
- Finished in a durable black textured powder coat
- Requires no additional accessories to roll out and rotate

Thermal Management

- Engineered ventilation locations optimize passive thermal management
- Configurable open top accepts a number of options for active thermal management, see pgs. 32-33 for top options

Cable Management

- Effective cable management system provided
- Slots in upper rack frame accommodate Velcro® ties
- Rack frame features pre-punched rackrail brackets for built-in cable management
- 104mm laser knockouts provided for cable pass-through and ganging multiple racks

Regulatory / Certifications

- UL Listed in the US and Canada
- 340 kg weight capacity with proper weight distribution
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)



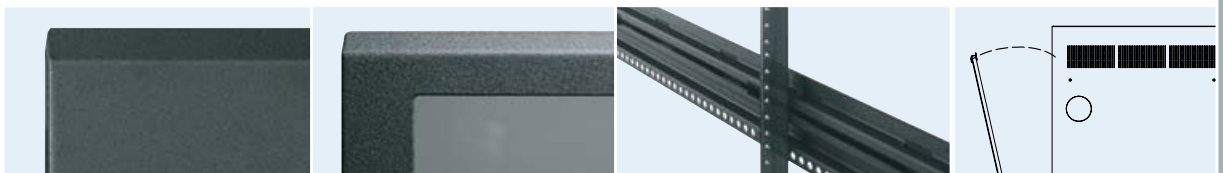
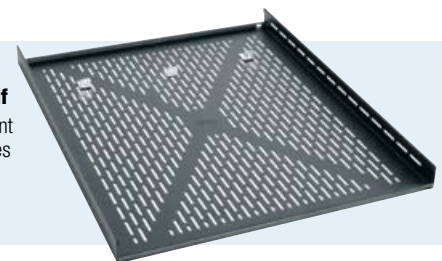
104mm laser knockouts provided for cable pass-through



| 835mm Overall Depth (2152mm Useable Depth) | 1,089mm Overall Depth (3152mm Useable Depth) | Useable Racking Height |
|---|---|------------------------|
| WR-44-32 | WR-44-42 | 1956 mm (44 space) |
| WR-37-32 | WR-37-42 | 1645 mm (37 space) |
| WR-24-32 | — | 1067mm (24 space) |

Zero Space Rackshelf

zero space full depth front and rear mount SH Series rack shelf



| Part # | 3" Deep Solid Front Door* | 3" Deep Plexi Front Door* | Additional Threaded Rackrail | Rear Access Panel |
|----------|---------------------------|---------------------------|------------------------------|-------------------|
| WR-24-xx | WRFD-24 | WRPFD-24 | WR-RR-24 | WR-RAP-24 |
| WR-37-xx | WRFD-37 | WRPFD-37 | WR-RR-37 | WR-RAP-37 |
| WR-44-xx | WRFD-44 | WRPFD-44 | WR-RR-44 | WR-RAP-44 |

*Doors provide 76mm clearance from face of front rail.

NOTE: When multiple units are installed and doors swing the same way, additional cable chase is required for door opening clearance.



AXS Slide Out System In Steel Host Enclosure



US Patent #5,443,312

EIA/TIA Compliant

Spec. #
96-055S
for full
product
info.Revit
Models Available

MRK-4426AXS
shown extending
to service position

A factory-assembled system in an MRK, WRK-SA or ERK enclosure, the patented pull-out design is ideal for access to rear equipment connections.

Entire bays of equipment can be rolled out for service and installation flexibility. Select an AXS when space-limited environments require equipment bays to be placed up against a wall or back to back and a straight pullout is preferred.

Structural Features

- Adjustable service stand elevates service tracks to bottom of AXS, allowing it to pull out
- Host enclosure can be pre-installed on-site while detachable rack frame is integrated with equipment off-site, simplifying installation
- Standard fixed front and rear heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments speeds equipment mounting
- Finished in a durable black textured powder coat

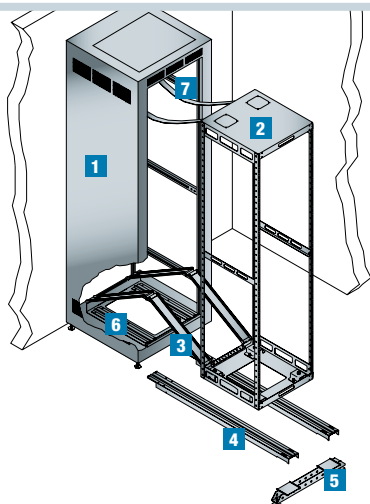
Cable Management

- Articulating cable carriers attach to rack frame for effective cable management

Regulatory / Certifications

- 295 kg weight capacity with proper weight distribution
- Specified MRK-Series AXS racks are seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor I_p is 1.5. Z4 models have a Seismic Certified load capacity of 235 kg.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Useable Racking Height | Overall Height | Frame Depth | Host Cabinet Depth | Overall Width | Seismic Certified |
|-------------------|------------------------|----------------|-------------|--------------------|---------------|-------------------|
| MRK-4426AXS | 1822mm (41 Space) | 2112mm | 508mm | 673mm | 559mm | No |
| MRK-4026AXS | 1645mm (37 Space) | 1934mm | 508mm | 673mm | 559mm | No |
| MRK-3726AXS | 1511mm (34 Space) | 1800mm | 508mm | 673mm | 559mm | No |
| MRK-4431AXS-26 | 1822mm (41 Space) | 2112mm | 660mm | 800mm | 559mm | No |
| MRK-4031AXS-26 | 1645mm (37 Space) | 1934mm | 660mm | 800mm | 559mm | No |
| MRK-3731AXS-26 | 1511mm (34 Space) | 1800mm | 660mm | 800mm | 559mm | No |
| MRK-4426AXS-Z4 | 1822mm (41 Space) | 2112mm | 508mm | 673mm | 559mm | Yes |
| MRK-4026AXS-Z4 | 1645mm (37 Space) | 1934mm | 508mm | 673mm | 559mm | Yes |
| MRK-3726AXS-Z4 | 1511mm (34 Space) | 1800mm | 508mm | 673mm | 559mm | Yes |
| WRK-44SA-27AXS | 1822mm (41 Space) | 2112mm | 508mm | 699mm | 616mm | No |
| WRK-44SA-32AXS-26 | 1822mm (41 Space) | 2112mm | 660mm | 826mm | 616mm | No |
| ERK-4425AXS | 1822mm (41 Space) | 2061mm | 508mm | 635mm | 559mm | No |
| ERK-3525AXS | 1422mm (32 Space) | 1661mm | 508mm | 635mm | 559mm | No |



The following is included
w/ each of the above

| Qty | Items Included |
|-----|---------------------------------------|
| 1 | modified welded cabinet 1 |
| 1 | assembled rack frame 2 |
| 2 | triple hinged cable carriers 3 |
| 1 | internal system base 6 |
| 2 | top restraining leashes 7 |

4 Service Tracks - pair of removable service tracks (not included)

| Part # (pair) | Track Length | Rack Frame Extension Length |
|------------------|--------------|--------------------------------|
| TRACK50 | 1270mm | 1219mm |

5 Service Stand - supports & levels service tracks

| Part # | Height Range |
|--------|---------------|
| TRACKL | 57mm bis 83mm |



Specify an AXS when installing audio and video equipment flush into a wall or cabinet; ideal for larger systems.

The patented pull-out design provides access to rear equipment connections. Entire bays of equipment can be rolled out for service and installation flexibility.

Structural Features

- Unique mechanically interlocking corner joint provides exceptional strength & eases assembly
- Telescoping service stand elevates service tracks to bottom of AXS, allowing it to pull out
- Service tracks include built-in level to reduce installation and servicing time
- Removable rack frame can be integrated off-site to save time
- Standard fixed front and rear heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments speeds equipment mounting
- Finished in a durable black textured powder coat

Cable Management

- Articulating cable carriers attach to rack frame for effective cable management (non-rotating models only)

Regulatory / Certifications

- Up to 295 kg weight capacity with proper weight distribution
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

AX-SXR
rotating slide
out rack



Installation by Intra Home Systems



Spec. #
96-055M
for full
product
info.
A&E
(AXS)

Spec. #
96-01000
for full
product
info.
A&E
(AX-SXR)

| Part # | | Ext. Length | Frame Depth | Weight Capacity | Rough Opening Width | Rough Opening Width When Using Gasket & Guide Kit | Rotating |
|-----------|---|-------------|-------------|-----------------|---------------------|---|----------|
| AXS-xx-26 | xx equals # of useable space (15 to 43 space) | 1219mm | 660mm | 295 kg | 489mm | 499mm | no |
| AXS-xx | xx equals # of useable space (15 to 43 space) | 1219mm | 508mm | 295 kg | 489mm | 499mm | no |
| AX-SXR-xx | xx equals # of useable space (15 to 43 space) | 787mm | 508mm | 204 kg | 489mm | 499mm | yes |
| AX-SX-xx | xx equals # of useable space (10 to 43 space) | 635mm | 508mm | 295 kg | 489mm | 499mm | no |
| SAX-xx | xx equals # of useable space (15 to 43 space) | 1219mm | 419mm | 295 kg | 489mm | 499mm | no |
| SSAX-xx | xx equals # of useable space (15 to 43 space) | 635mm | 419mm | 295 kg | 489mm | 499mm | no |

Service Tracks* - pair of removable service tracks

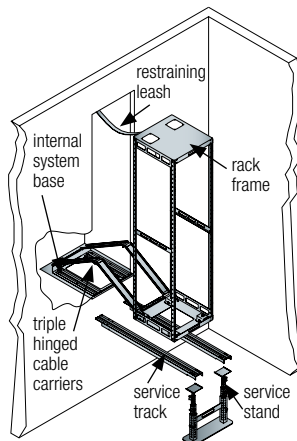
| Part # | Use With | Track Length | Rack Frame Ext. Depth |
|---------|---------------------|--------------|-----------------------|
| TRACK25 | AX-SX, SSAX | 635mm | 635mm |
| TRACK31 | AX-SXR | 787mm | 787mm |
| TRACK50 | AXS, SAX, AXS-xx-26 | 1270mm | 1219mm |

*required for installing and servicing

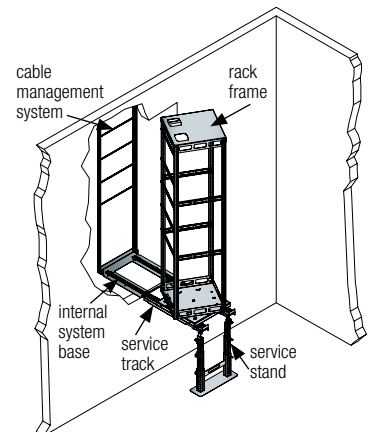
Service Stands* - removable telescoping stand that supports & levels the service tracks

| Part # | Height Range Off the Floor |
|--------|----------------------------|
| TRACKL | 57mm to 83mm |
| TS310 | 76mm to 125mm |
| TS1022 | 254mm to 559mm |
| TS1640 | 406mm to 1016mm |

*required for installing and servicing



AXS, AX-SX, SAX, SSAX slide out rack



AX-SXR slide out rack



AXS-GG20 rack guide protects millwork

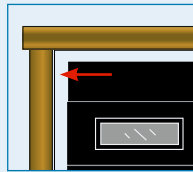
Gasket & Guide Kit

Attach these guides to rack top on the AXS to ensure the smooth sliding of the rack frame into the millwork, wall or cabinet opening. Ensures frame will remain centered in opening, protecting millwork from damage. Requires a slightly larger rough opening for AXS System, see facing page. Includes BG17 brush gasket strip for front rackrail to fill any gap in wall or millwork opening. Brush gasket retrofits to existing installations. NOTE: requires 499mm rough opening width.

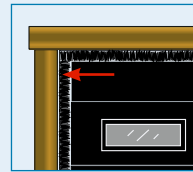
| Part # | Description | Fits |
|----------|--------------------|------------------------|
| AXS-GG16 | Gasket & Guide Kit | 406mm deep AXS |
| AXS-GG20 | Gasket & Guide Kit | 508mm deep AXS, AX-SXR |
| AXS-GG26 | Gasket & Guide Kit | 66mm deep AXS |
| BG17 | 518cm brush gasket | any AXS |



Gasket & Guide Kit



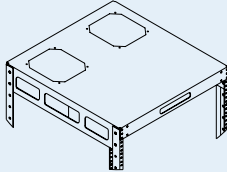
without brush gasket



with brush gasket*

BG17 brush gasket is 13mm wide, closes gaps

*NOTE: requires 499mm rough opening



AXS-FAN-119, AXS-FAN-K-119
top accepts up to 2 fans

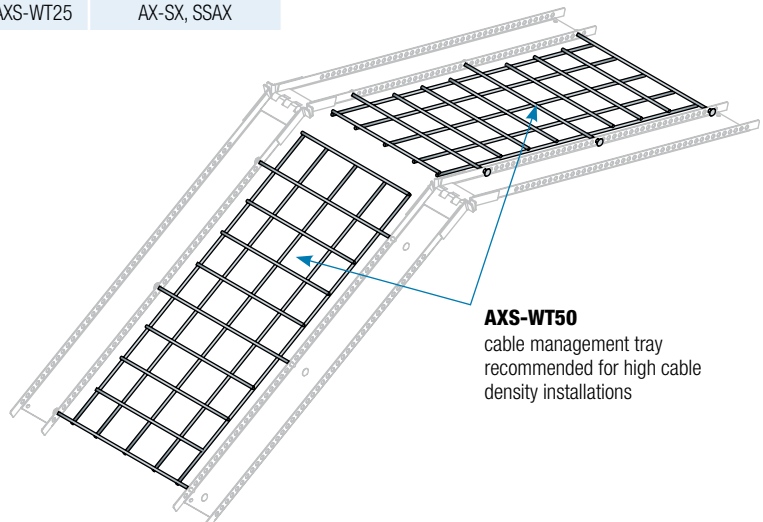
Accessories

| Part # | Description |
|--------------|---------------------------------------|
| AXS-FAN | 1 slim-fan for AX-SXR rack, 1.61 m³/m |
| AXS-FAN-K | 2 slim-fans for AX-SXR rack, 3.2 m³/m |
| AXS-TEXTTRIM | trim panel, textured finish |

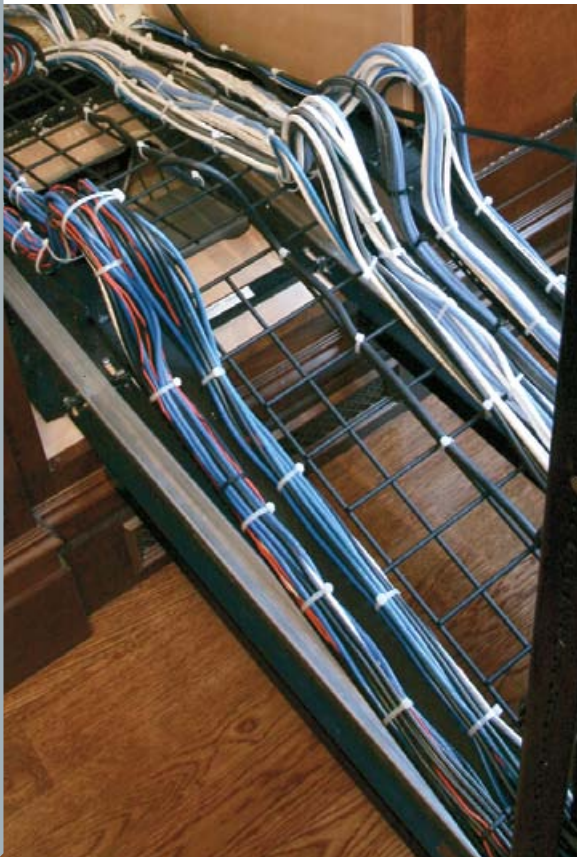
AXS-WT Cable Management Tray

- Provides additional capacity for large cable bundles
- Mounts between cable carriers of any AXS Series slide out rack
- Fits all existing AXS systems* *NOTE: not for use with rotating AX-SXR

| Part # | Fits |
|----------|-------------|
| AXS-WT50 | AXS, SAX |
| AXS-WT25 | AX-SX, SSAX |



AXS-WT50
cable management tray
recommended for high cable
density installations





SRSR Series Rotating Sliding Rail System

Specify an SRSR for easy rear access to equipment connections in millwork, cabinets and flush in-wall installations. Available with a 482mm or 584mm useable depth, the SRSR system extends and rotates 90° in either direction, making it ideal for smaller systems.

Structural Features

- Standard front and rear heavy-gauge, 10-32 threaded rackrail with marked rackspace increments to speed equipment mounting
- Removable rack frame allows in-shop integration and on-site installation of equipment, saving time in the field
- Locks in the extended position for simplified equipment integration
- Rotating equipment bay locks in place at 0°, 60° and 90° for easy installation & servicing
- Self-centering mounting base makes it simple to align system within cabinet opening

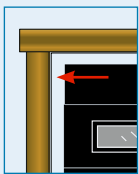
Cable Management

- Rear cable support, when used in conjunction with rear rackrail, provides effective cable management

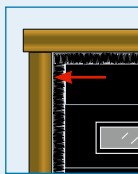
Regulatory / Certifications

- Up to a 113 kg weight capacity, depending on model
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Description | Useable Depth |
|--|---|---------------|
| SRSR-2-xx (# of useable spaces, from 12 to 24) | 2 slide 57 kg capacity | 482mm |
| SRSR-4-xx (# of useable spaces, from 12 to 30) | 4 slide 113 kg capacity | 482mm |
| SRSR-X-xx (# of useable spaces, from 12 to 30) | 4 slide 90 kg capacity | 584mm |
| BG17 | 518cm roll brush gasket, requires 499mm rough opening | |



without brush gasket



with brush gasket*

BG17 brush gasket closes gaps - retrofits to existing installations
*NOTE: requires 499mm rough opening

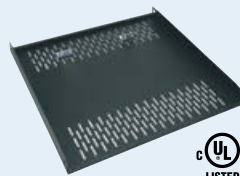


without trim strip installed

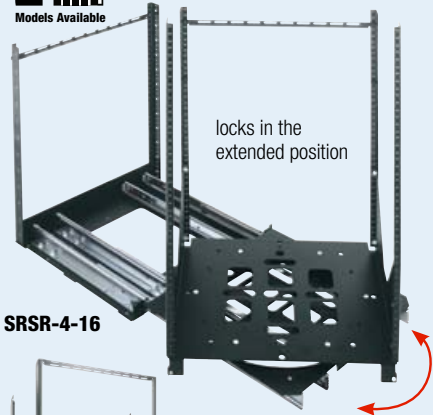
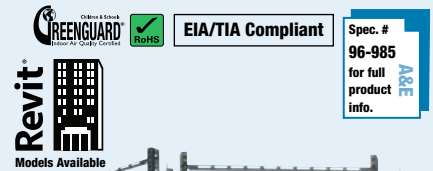


with trim strip installed

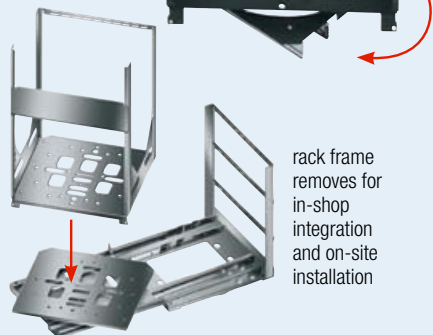
Trim Strips add the finishing touch to any installation, see pg. 104



SH-5A zero space full depth front and rear mount SH Series rackshef, see pg. 112



SRSR-4-16



SRSR
extends and rotates 90° in either direction for easy access to equipment connections

SRS Series Sliding Rail System

Specify an SRS for rear access to equipment connections in millwork & cabinets. System extends a full 482mm but does not rotate. Good for smaller millwork and in-wall installations.

Structural Features

- Trim panel secures unit closed
- Standard front (from 8 to 20 spaces) and rear (7 space) 10-32 threaded rackrail with marked rackspace increments to speed equipment mounting
- System pulls out a full 482mm, providing rear access to equipment with shallow depths

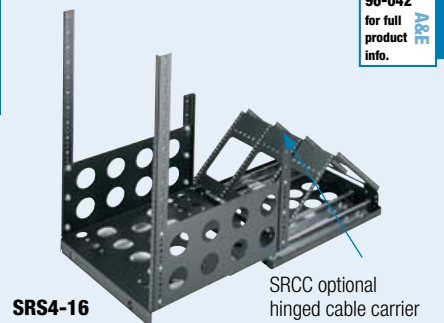
Cable Management

- Triple-hinged, full-width cable carrier offered for effective cable management

Regulatory / Certifications

- Up to a 113kg weight capacity, depending on model
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Description |
|---|------------------------|
| SRS2-xx (# of useable spaces, from 8 to 20) | 2 slide 57kg capacity |
| SRS4-xx (# of useable spaces, from 8 to 20) | 4 slide 113kg capacity |
| SRCC | optional cable carrier |
| BG17 | 518cm brush gasket |



SRS4-16

SRCC optional hinged cable carrier



SRS2-14
with optional trim strip



Rotating Slide Out Shelving Systems



EIA/TIA Compliant

Spec. #
96-01020
for full
product
info.

AAE



ASR-60-HD

vented shelves
and top optimized
for ventilation

ASR-HD Series Heavy Duty Rotating Slide Out Shelving System

Specify an ASR-HD when installing non-rackmount audio and video equipment in custom cabinetry, entertainment centers and in walls, when an open shelf system is desired. Slide out and rotating functionality provides enhanced access to rear equipment connections.

- Designed for more visible installations where aesthetics are important
- Quick-Position™ easy index self-leveling shelves are simple to install and are adjustable in 19mm increments
- Pulls out, rotates 60° and locks in either direction for easy access to equipment connections
- Self-centering base speeds installation
- Ships fully assembled to save time
- Locking detent protects millwork
- Attractive silver brushed shelf trim can be replaced and customized to match any finish
- Included cable management system facilitates a clean, organized installation
- Up to a 130 kg weight capacity, depending on model

| Part # | Opening Height | Overall Width | Useable Depth | Weight Capacity | # of Shelves | Additional Shelf Part # | Trim Strip Finish Color |
|-----------|----------------|---------------|---------------|-----------------|--------------|-------------------------|-------------------------|
| ASR-30-HD | 762mm | 533mm | 482mm | 90 kg | 4 | ASR-HD-SH1-BK | black anodized |
| ASR-42-HD | 1067mm | 533mm | 482mm | 90 kg | 6 | ASR-HD-SH1-SL | silver anodized |
| ASR-60-HD | 1524mm | 533mm | 482mm | 113 kg | 9 | ASR-HD-SH1-WD | unfinished wood |

Optional Shelf Trim Kits

Select a black anodized or unfinished wood trim kit to match the decor of any room. Unfinished wood is ready to be stained to match any finish.

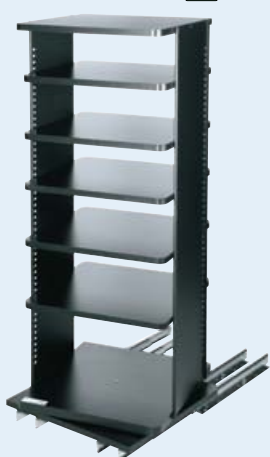
| Black Anodized Part # | Unfinished Wood Part # | Fits |
|-----------------------|------------------------|-----------|
| ASR-30-HDT-BK | ASR-30-HDT-WD | ASR-30-HD |
| ASR-42-HDT-BK | ASR-42-HDT-WD | ASR-42-HD |
| ASR-60-HDT-BK | ASR-60-HDT-WD | ASR-60-HD |



EIA/TIA Compliant

Spec. #
96-01026
for full
product
info.

AAE



ASR-48

ASR Series Economical Rotating Slide Out Shelving System

Specify an ASR for installing non-rackmount audio and video equipment in less visible locations in custom cabinetry and behind closed doors. Ideal for smaller systems or when an open shelf system is desired and the ability to customize shelf fronts is not required.

Slide out and rotating functionality provides enhanced access to rear equipment connections.

- Self-leveling shelves are simple to install and are adjustable in 19mm increments
- Ships ready-to-assemble to save space
- Included cable management system facilitates a clean, organized installation
- Up to a 90 kg weight capacity, depending on model

| Part # | Opening Height | Overall Width | Useable Depth | Weight Capacity | # of Shelves |
|--------|----------------|---------------|---------------|-----------------|--------------|
| ASR-30 | 762mm | 457mm | 410mm | 45 kg | 4 |
| ASR-36 | 914mm | 457mm | 410mm | 45 kg | 5 |
| ASR-42 | 1067mm | 457mm | 410mm | 90 kg | 6 |
| ASR-48 | 1219mm | 457mm | 410mm | 90 kg | 7 |





CFR Series Compact Frame Rack System

CFR units provide maximum rackspace in entertainment systems, lecterns, cabinets, and similar spaces.

- Low profile design maximizes useable rackspace
- Features a strong welded frame that allows for pre-loading equipment and transportation to the installation site
- Comes standard with two adjustable front to rear lacing bars for cable dressing or mounting accessories
- Uprights feature offset cable tie area which keeps the rack to a slim 490mm width
- UL Listed in the US and Canada. UL Listed load capacity - 113 kg
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

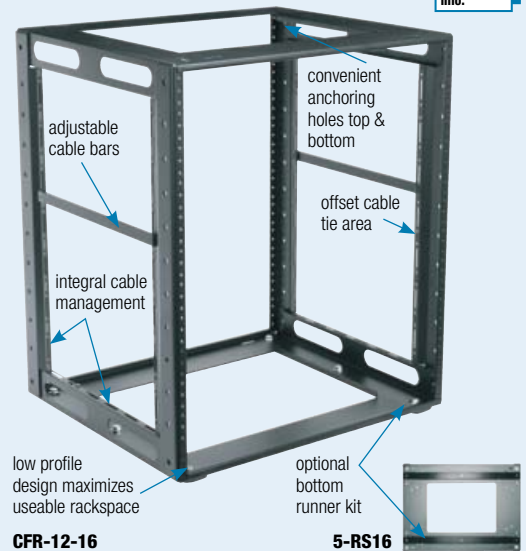


HOT TIP! Optional runner kits allow the rack to slide in or out of place without damaging your cabinet, credenza, etc.

| 406mm Useable Depth | 457mm Useable Depth | Description | Overall Height | Useable Height |
|---------------------|---------------------|--|----------------|------------------|
| CFR-8-16 | CFR-8-18 | cabinet frame rack | 379mm | 356mm (8 Space) |
| CFR-9-16 | CFR-9-18 | cabinet frame rack | 424mm | 400mm (9 Space) |
| CFR-10-16 | CFR-10-18 | cabinet frame rack | 468mm | 445mm (10 Space) |
| CFR-11-16 | CFR-11-18 | cabinet frame rack | 513mm | 489mm (11 Space) |
| CFR-12-16 | CFR-12-18 | cabinet frame rack | 557mm | 533mm (12 Space) |
| CFR-13-16 | CFR-13-18 | cabinet frame rack | 602mm | 578mm (13 Space) |
| CFR-14-16 | CFR-14-18 | cabinet frame rack | 646mm | 622mm (14 Space) |
| 5-RS16 | 5-RS18 | low friction runner kit (adds 6mm to overall height) | | |



Spec. #
96-01102
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REB Series Low Profile Rotating Slide Out Equipment Base

Access cables and equipment connections with the Low-Profile Rotating Slide Out Base. The low-profile design is unobtrusive and elegant in its simplicity while the sturdy construction supports the installation of DVD players, cable or satellite boxes, receivers and other equipment commonly found in entertainment centers and lecterns.

- Sliding, rotating design provides easy access to cables and equipment connections
- Two depths available to accommodate a wide range of components and cabinets
- Locks closed for safety
- Included cable management system facilitates a clean, professional home installation

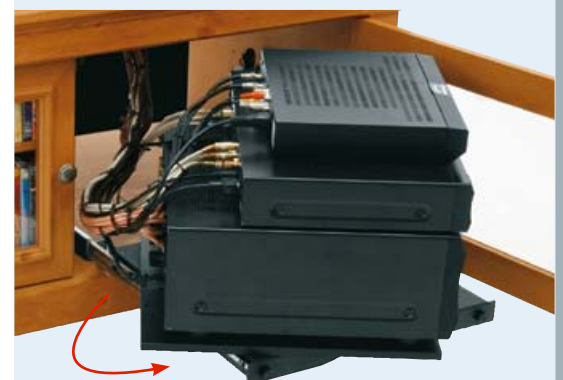
| Part # | Min. Rough Opening Width* | Recommended Rough Opening Minimum Depth** | Weight Capacity | Useable Depth | |
|--------|---------------------------|---|-----------------|-----------------|-------------------|
| | | | | With No Setback | With 25mm Setback |
| REB14 | 435mm | 381mm | 34 kg | 330mm | 305mm |
| REB18 | 435mm | 482mm | 34 kg | 432mm | 406mm |

* Rough opening width will be extended by components wider than 432mm.

** Rough opening depth will be increased by components deeper than the stated useable depth.



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product
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A&E





C5 Series Credenza Racks

C5 Series Credenza Racks Implement a Totally New Approach



1. Choose from 1, 2 or 3 bay models. Choose the Contemporary style, with clean lines and smooth hardware, or the Traditional style, with ogee curved edges and brushed hardware. Choose from the standard finishes shown below. It's that easy!
2. The core structure of the credenza ships from stock at one of our five North American warehouses, so you can start integration immediately.
3. Outer surfaces, doors and trim ship separately to your shop or directly to the installation site and are quickly and easily fastened to cover all the metal and complete the installation.

Key Advantages of This Installation-Friendly Approach:

1. **It's FAST.** Get integration started fast – frames ship from stock.
2. **It's SAFE.** Wood shipments are well protected from shipping damage.
3. **It's REPAIRABLE.** If a panel gets damaged on jobsite, it can be easily replaced.
4. **It's FUTUREPROOF.** Changing colors or styles in the future is easy

700mm Deep Credenza Racks

| Frame** | | Finishing Kit, Traditional Style | | Finishing Kit, Contemporary Style | |
|-----------|-------|----------------------------------|--------------------|-----------------------------------|--------------------|
| # of Bays | Model | With Smoked Plexi Door(s) | With Solid Door(s) | With Smoked Plexi Door(s) | With Solid Door(s) |
| 1 Bay | IC5F1 | C5K1-TPD-xx * | C5K1-TSD-xx * | C5K1-CPD-xx * | C5K1-CSD-xx * |
| 2 Bay | IC5F2 | C5K2-TPD-xx * | C5K2-TSD-xx * | C5K2-CPD-xx * | C5K2-CSD-xx * |
| 3 Bay | IC5F3 | C5K3-TPD-xx * | C5K3-TSD-xx * | C5K3-CPD-xx * | C5K3-CSD-xx * |

800mm Deep Credenza Racks

| Frame** | | Finishing Kit, Traditional Style | | Finishing Kit, Contemporary Style | |
|-----------|---------|----------------------------------|--------------------|-----------------------------------|--------------------|
| # of Bays | Model | With Smoked Plexi Door(s) | With Solid Door(s) | With Smoked Plexi Door(s) | With Solid Door(s) |
| 1 Bay | IC5F1-D | C5K1-D-TPD-xx * | C5K1-D-TSD-xx * | C5K1-D-CPD-xx * | C5K1-D-CSD-xx * |
| 2 Bay | IC5F2-D | C5K2-D-TPD-xx * | C5K2-D-TSD-xx * | C5K2-D-CPD-xx * | C5K2-D-CSD-xx * |
| 3 Bay | IC5F3-D | C5K3-D-TPD-xx * | C5K3-D-TSD-xx * | C5K3-D-CPD-xx * | C5K3-D-CSD-xx * |

Note: A complete system includes the frame & the finishing kit – when ordering a finishing kit the frame must also be ordered. **Frame does not come with finishing kit.

C5 Finishing Kit, with Large Format Monitor Mount (for 32" - 50" monitors)

| Frame | | Finishing Kit, Traditional Style | | Finishing Kit, Contemporary Style | |
|-----------|-------|----------------------------------|--------------------|-----------------------------------|--------------------|
| # of Bays | Model | With Smoked Plexi Door(s) | With Solid Door(s) | With Smoked Plexi Door(s) | With Solid Door(s) |
| 1 Bay | IC5F1 | C5K1-MM1-TPD-xx* | C5K1-MM1-TSD-xx* | C5K1-MM1-CPD-xx* | C5K1-MM1-CSD-xx* |
| 2 Bay | IC5F2 | C5K2-MM1-TPD-xx* | C5K2-MM1-TSD-xx* | C5K2-MM1-CPD-xx* | C5K2-MM1-CSD-xx* |
| 3 Bay | IC5F3 | C5K3-MM1-TPD-xx* | C5K3-MM1-TSD-xx* | C5K3-MM1-CPD-xx* | C5K3-MM1-CSD-xx* |



*Replace 'xx' with DS = Darkstone, GS = Graystone, PS = Pepperstone, SG = Shark Gray, EA = Ebony Ash, WG = Wenge, DC = Dark Cherry, DP = Dark Pecan, AG = Aged Cherry, HM = Honey Maple, LW = Light Walnut, MP = Maple.

Millwork Kit for Customizing C5 Series Credenza Racks



Using the C5 Millwork Kit lets a custom millworker provide matching outer surfaces. (Not a standard offering)

The millwork kit supplies all hardware and specifications to allow customized woodwork to be used with our credenza frame kit.

Each kit includes:

- A USB Flash Drive pre-loaded with shop plans, drawings, & instructions.
- A complete Hardware Kit including:
 - Fasteners for door installations, including hinges (Note: door knobs/pulls are NOT included)
 - Fasteners for attaching the top panel, side panels, & toe kick

Ordering a Millwork Kit

To order a Millwork Kit, simply choose the model below that matches the number of bays in your C5 Series Frame.

| Part # | Description | Order w/ Frame |
|---------|------------------------|----------------|
| IC5-MK1 | C5 millwork kit, 1 bay | IC5F1 |
| IC5-MK2 | C5 millwork kit, 2 bay | IC5F2 |
| IC5-MK3 | C5 millwork kit, 3 bay | IC5F3 |



NEW!

Single and Dual Monitor Mounts for C5 Series Credenza Racks

Now you can easily mount large format monitors directly to C5 Series credenzas to simplify your AV installations. Eliminates wall mounting and cable routing issues with built-in cable pathways.

- Accommodates most screens from 42" to 65" (dual) or 70" (single). Larger sizes available custom - please call
- Monitor height is adjustable and easy to level using the provided markings
- Optional camera mounts are ideal for videoconferencing systems. Cameras can be mounted above or below single monitors, or between dual monitors. Mounts are fully adjustable – choose from a large or small platform to match your camera unit size
- Includes cable clips for neat cable management into the credenza racks below
- Durable black powder coat finish



C5MM1-4255D

Accommodates single or dual screens

C5 Single & Dual Large Format Monitor Mounts

| Part #* | Description |
|---|--|
| C5MM1-4270S | fits 42" to 70" single monitor, accepts optional camera mounts |
| C5MM1-4255D | fits 42" to 55" dual monitors, accepts optional camera mounts |
| C5MM1-5665D | fits 56" to 65" dual monitors, accepts optional camera mounts |
| * Monitor mounts sold separately. Requires pre-Machined Top (finishing kit) designated in finishing kit part # (EG: C5K2-CPD MT -xx). Available for 2 and 3 bay C5 only. | |

C5 Universal Camera Shelves

| Part # | Description | Size |
|------------|------------------------------------|---------------|
| C5CMTB-88 | mounts to top or bottom of screens | 200mm x 200mm |
| C5CMTB-128 | mounts to top or bottom of screens | 305mm x 200mm |
| C5CMM-88 | mounts between dual screens | 200mm x 200mm |



Cable management clips included



C5MM1-4270S

Combination of a Steel Rack Frame and Attractive Outer Furniture Panels

3-bay model, contemporary style, shown in aged cherry

14 rackspace per bay

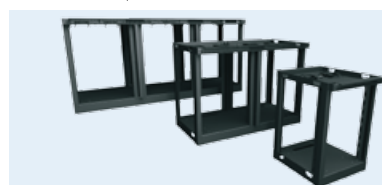


built-in thermostatically controlled cooling

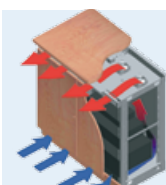
1-bay shown

IC5F1

IC5F3
3-bay model showing stages of integration



all frames ship fully assembled to save time



built-in quiet cooling



traditional style, shown in dark cherry



contemporary style, shown in aged cherry



C5 Series Credenza Rack Accessories

NEW!

Extender kit adds 2.84" useable depth

C5 Depth Extender**Install Deeper Equipment in C5 Credenza Racks**

The new Depth Extender Kit is field-installable and extends the rear depth of any single bay of any standard depth C5 Credenza model to accommodate deeper components and their cables. The extender adds nearly 72mm to the frame's useable depth (while staying within the overall depth of the wood surface) and accommodates the unit's standard rear panel. Fits all models and installs with an included wrench.

Part #

C5-EXT*

***Fits standard depth C5 only**

Shown in gray for clarity

Options for Deeper C5 Credenza Racks

**Note: weight capacity is 56 kg

Rotating Sliding Rail System

C5D-SRSR12**

**Flip-Up Side Shelf Contemporary Style**

C5D-SDSH-Cxx*

**Flip-Up Side Shelf Traditional Style**

C5D-SDSH-Txx*

Options for Standard C5 Credenza Racks**Flip-Up Side Shelf Contemporary Style**

C5-SDSH-Cxx*

**Flip-Up Side Shelf Traditional Style**

C5-SDSH-Txx

Standard Options for All C5 Credenza Racks**Shelf System Insert**

C5-SH-SYS

**Adjustable Rail Bracket Kit**

C5-ARB

**Custom Cutouts for Tabletop Boxes**

Please call

**Cable Grommet**

C5-CG

**Waste and Recycle Bin Insert**

C5-WB

Standard Work Surface Finishes

Darkstone

Graystone

Pepperstone

Shark Gray

Ebony Ash

Wenge

Dark Cherry

Dark Pecan

Aged Cherry

Honey Maple

Light Walnut

Maple



Our popular designer-inspired RDR Series racks are now available two ways – as a basic “ready-to-integrate” rack ready for your specified components and accessories, or as a pre-configured “ready-to-go” assembly, complete with shelves, cable management and power already installed.

Either way, these racks were designed to impress – with a wood top (ebony ash), sturdy aluminum structural extrusions, hidden caster base, and integral cable management that will look good in visible locations including living rooms and meeting rooms.

| Part # | Racking Height | Overall Height | Overall Depth | Useable Depth |
|----------------|-------------------|----------------|---------------|---------------|
| RDR-16-25BK-LP | 711mm (16 Space) | 826mm | 635mm | 456mm |
| RDR-24-25BK-LP | 1067mm (24 Space) | 1181mm | 635mm | 456mm |
| RDR-35-25BK-LP | 1556mm (35 Space) | 1670mm | 635mm | 456mm |



RDR-24-25BK



shown with attractive trim strip that covers rail and fasteners



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Spec. #
96-01117
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product
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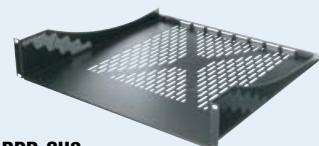
RDR-24-25BK
shown with components installed

Residential Designer Rack Accessories

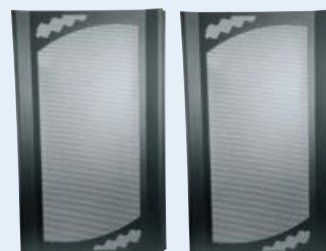
| Part # | Description |
|----------------|---|
| RDR-SH2 | 2 space vented shelf, fits RDR Series, useable depth 456mm |
| RDR-S3-SPBK-BK | pair of metal sides with vented rear access panel, fits RDR-S3, & RDR-16-25BK |
| RDR-S4-SPBK-BK | pair of metal sides with vented rear access panel, fits RDR-S4, & RDR-24-25BK |
| RDR-S6-SPBK-BK | pair of metal sides with vented rear access panel, fits RDR-S6, & RDR-35-25B |
| IDCFANKIT-4 | fan kit (4 fans) for use with RDR-Sx-SPBK-BK, 2,83 m ³ /min |



IDCFANKIT-4
fan kit accessory



RDR-SH2
4-point mounting shelf



RDR-Sx-SPBK-BK
rear access panel and side panels



MFR Series Mobile Furniture Rack

NEW!



MFR-2027GE



Knotted Maple



Grained Ebony Ash



Grained Dark Cherry

MFR Series Furniture Racks are the economical solution for mobile presentation systems. Engineered and rigorously tested to provide years of trouble-free service, these racks feature premium bolt-through casters and rigid construction for reliability.

- Cost-effective furniture rack includes advanced features for reliability
- Robust design features bolt-through casters and internal steel bracing (12 and 16 space models have 76mm floor-friendly caster, 20 space models have 101mm casters)
- Optimized for passive ventilation, or choose optional thermostatically-controlled DC fan kit
- Optional flat screen mount accommodates most monitors up to 32" (VESA 100)
- Integrated rear management system features vented top mounting panel for optional DC fans, integrated cable exit panel, and tip-in rear panel for easy equipment access
- Locking Plexi Glas® front door standard
- Available in 12, 16, and 20 rackspace sizes in 3 attractive colors: Knotted Maple, Grained Ebony Ash, and Grained Dark Cherry
- Optional flat screen mount accommodates most monitors up to 32" (VESA 100)
- UL Listed (structural and tip) for support of audio/video equipment
- Ships fully assembled

| Part # | Overall Height | Racking Height | Overall Depth | Useable Depth |
|-------------|----------------|-----------------------|---------------|---------------|
| MFR-1227xx* | 679mm | 533mm (12 rackspaces) | 693mm | 584mm |
| MFR-1627xx* | 857mm | 711mm (16 rackspaces) | 693mm | 584mm |
| MFR-2027xx* | 1,066mm | 891mm (20 rackspaces) | 693mm | 584mm |

* Replace 'xx' with KM = Knotted Maple, GE = Grained Ebony Ash, GC = Grained Dark Cherry.



Vented steel top panel accepts optional fan panel, and includes a cable entry gland grommet

Locking tip-out rear access panel removes completely for easy access to components

Vented steel bottom is easily removed for "No-Fish" cable entry

Integrated rear management system

MFR Series Mobile Furniture Rack Options

| Rear Rackrail Kits* | Monitor Mount | (2) 76mm DC Fans, 50 CFM with Power Supply |
|----------------------------|---------------|--|
| MFR-RRK-12 (12 rackspaces) | MMB-1X1-12 | IMFR-FANKIT-2 |
| MFR-RRK-16 (16 rackspaces) | | |
| MFR-RRK-20 (20 rackspaces) | | |

* NOTE: you must order rear rail in the same size as your rack order.



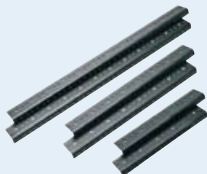

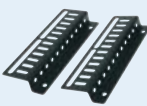

The RFR Reference Series Furniture Rack is a uniquely styled furniture rack system that is optimized for easy integration and is ruggedly designed for years of trouble free room-to-room mobility. Ideal for presentation or conferencing systems in any public space, including schools, office and corporate environments, the RFR Reference Series combines elegant design with professional integration attributes perfect for attractive, reliable systems.

- **Engineered for professional integration to ensure efficient installation**
 - Wide-body design allows for handy interior device mounting and cable management using optional tool-free LeverLock™ system
 - Robust construction features bolt-through floor-friendly casters and internal steel bracing for years of reliable use
 - Unique cable entry rear door and included cable spools allow easy storage of connecting cable bundle
- **Advanced cooling for system reliability**
 - Optimized for passive ventilation featuring generous front air intake and rear exhaust vents
 - Enable energy-saving active cooling with optional thermostatically-controlled DC blower panel. Quiet and powerful: 50 CFM, 27 dB
- **Superior aesthetics complement any public space**
 - Architectural design incorporates a highly aesthetic and durable new finish, available in three new colors
 - Attractive IR-friendly locking glass front door standard
- Available in 16, 20, and 24 rackspace sizes in 3 attractive colors: Black Rain, Cherry Rain, and Teak Rain
- Optional flat screen mount accommodates most monitors up to 32" (VESA 100)
- UL Listed (structural and tip) for support of audio/video equipment
- Ships fully assembled

| Part # | Overall Height | Racking Height | Overall Depth | Useable Depth |
|-------------|----------------|-------------------------|---------------|---------------|
| RFR-1628xx* | 889mm | 711mm (12 rackspaces) | 717mm | 590mm |
| RFR-2028xx* | 1,066mm | 889mm (16 rackspaces) | 717mm | 590mm |
| RFR-2428xx* | 1,244mm | 1,066mm (20 rackspaces) | 717mm | 590mm |

* Replace 'xx' with BR = Black Rain, CR = Cherry Rain, TR = Teak Rain.

RFR Reference Series Furniture Rack Options

|  |  |  |  |
|---|---|---|---|
| Rear Rackrail Kits* | Monitor Mount | LeverLock™ Mounts (2)** | Quiet DC Blower Panel 50 CFM, 27 dB |
| RFR-ERRK-16 (16 rackspaces) | MMB-1X1-12 | LL-RFR | RFR-CABCOOL50 |
| RFR-ERRK-20 (20 rackspaces) | | | |
| RFR-ERRK-24 (24 rackspaces) | | | |

* NOTE: you must order rear rail in the same size as your rack order.

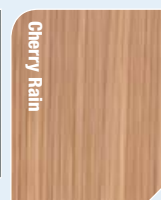
**Accommodates all 432mm Levelock options.



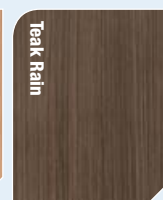
RFR-2428TR



Black Rain



Cherry Rain



Teak Rain



Wide-bay design accommodates optional LeverLock™ device mounting and cable management accessories



Slim 5 Series

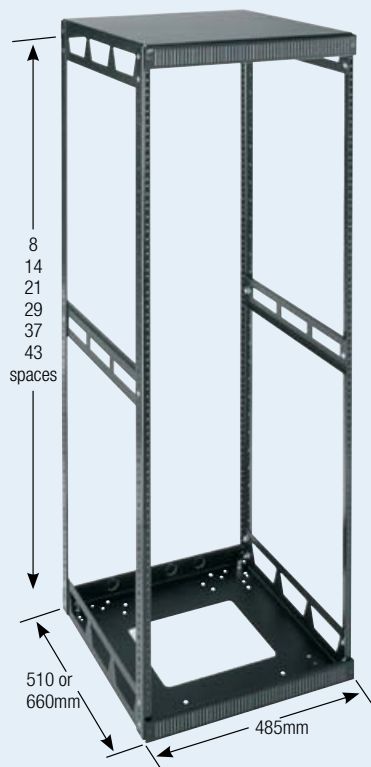


EIA/TIA Compliant



Spec. #
96-037
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product
info.

A&E



5-29



5-29

660mm deep Slim 5 shown with steel side panels



5-29

shown with dark cherry side and top panels and plexiglass front door

Versatile Rack Frame System Satisfies Many Design Requirements

Structural Features

- Standard front and rear fixed heavy-gauge, 10-32 threaded rackrail with marked rackspace increments to speed equipment mounting
- Bolt-together design allows for flat shipment via UPS
- Unique mechanically interlocking corner joint is central to each unit's exceptional strength and eases assembly
- 13mm and 19mm top and bottom electrical knockouts in rear of rack for cable pass-through
- Optional removable steel side panels provide security while attractive thermolaminate top and side panel options provide aesthetic appeal for home and studio installations
- Specify a Slim 5 when multiple racks need to be joined or when open sides are desirable

Thermal Management

- Top includes two laser knockout locations to mount cooling fans

Regulatory / Certifications

- Static load capacity – 450 kg.
- UL Listed in the US and Canada. UL Listed load capacity – 181 kg.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)



Slim 5 ships flat packed

| 508mm Useable Depth Part # | 2152mm Useable Depth Part # | Racking Height | Overall Height |
|----------------------------|-----------------------------|-------------------|----------------|
| 5-8 | 5-8-26 | 356mm (8 Space) | 451mm |
| 5-14 | 5-14-26 | 622mm (14 Space) | 718mm |
| 5-21 | 5-21-26 | 933mm (21 Space) | 1029mm |
| 5-29 | 5-29-26 | 1289mm (29 Space) | 1384mm |
| 5-37 | 5-37-26 | 1645mm (37 Space) | 1740mm |
| 5-43 | 5-43-26 | 1911mm (43 Space) | 2007mm |








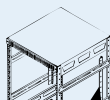
HOT TIP!
Slim 5 frames can be ordered in any height between 8 and 43 spaces part # 5-x (x = spaces)
(NOTE: Doors and side panels may not be available in matching size)




Casters (add 99mm to overall cabinet height)

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| 5W | 5WR | 5WL | 5WLR | CBS-5 | CBS-5R |
| set of 4 commercial grade casters | set of 4 fine floor casters | set of 4 commercial grade locking casters | set of 4 fine floor locking casters | skirted base with 4 commercial grade non-locking casters, fits 508mm depth models; CBS-5-26 fits 660mm depth models | skirted base with 4 fine floor non-locking casters, fits 508mm depth models; CBS-5-26 fits 660mm depth models |

Accessories

|  |  |  |  | | | | | | | | | | |
|--|--|--|---|-----------|--------------------------|---|--|--------|------|--------|--------------------|--------|-------------------|
| SH-5A | Trim Panels | Adjustable “Split” Rear Rackrail | Bottom Runner Kit | | | | | | | | | | |
|  zero space full depth front and rear mount SH Series rackshelf, see pg. 112 | <table><tr><th>Part #</th><th>Description</th></tr><tr><td>5-BAVTRIM</td><td>black brushed & anodized</td></tr></table> top and bottom trim panels available to match the finish of the products mounted within the enclosures, includes 2 pieces | Part # | Description | 5-BAVTRIM | black brushed & anodized | <ul style="list-style-type: none">Facilitates rear hanging of equipmentPermits panels to be “mid-mounted”All brackets, rails and hardware includedCable chase kit required when using this option with ganged enclosuresWorks with steel side panels only; will not accommodate wood side panels  5AR37 installed on 5-37 | <table><tr><th>Part #</th><th>Fits</th></tr><tr><td>5-RS20</td><td>508 mm deep models</td></tr><tr><td>5-RS26</td><td>660mm deep models</td></tr></table> low-friction bottom runners allow the Slim 5 to easily slide in and out of credenzas and lecterns | Part # | Fits | 5-RS20 | 508 mm deep models | 5-RS26 | 660mm deep models |
| Part # | Description | | | | | | | | | | | | |
| 5-BAVTRIM | black brushed & anodized | | | | | | | | | | | | |
| Part # | Fits | | | | | | | | | | | | |
| 5-RS20 | 508 mm deep models | | | | | | | | | | | | |
| 5-RS26 | 660mm deep models | | | | | | | | | | | | |




Top and side panels are constructed from thermolaminated MDF. Call for custom top when using cable chase.

WUSS and SH Series shelves need to be installed prior to installation of wood side panels, which conveniently lift off.



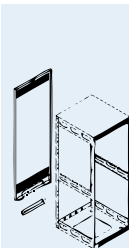
Removable Steel Side Panels are vented top and bottom with recessed lift handles and internal locking clips.

Finished in a durable black textured powder coat, each side panel adds 16mm per side to overall enclosure width.



Doors are capable of being installed with a right or left swing and are equipped with a cam keylock and attractive flush handle.

Requires the use of a cable chase when used in multi-bay installations. Doors provide 38mm clearance.



Rear access panels feature a unique no-hinge "tip-out lift-off" design with a two 100mm fan laser knockout for cable pass-through on the bottom.

Securing keylock included.

| Part # | Solid Front Door | Plexi Front Door | Steel Side Panels, Pair | Thermolaminate Top/Side Panels** | Rear Access Panel | Adjustable "Split" Rear Rackrail | Cable Chase 76mm Wide* |
|---------|------------------|------------------|-------------------------|----------------------------------|-------------------|----------------------------------|------------------------|
| 5-8 | DO-5-8 | DOP-5-8 | SP-5-8 | — | RAP8 | 5AR8 | 5CC8 |
| 5-14 | DO-5-14 | DOP-5-14 | SP-5-14 | TSP-5-14xx | RAP14 | 5AR14 | 5CC14 |
| 5-21 | DO-5-21 | DOP-5-21 | SP-5-21 | TSP-5-21xx | RAP21 | 5AR21 | 5CC21 |
| 5-29 | DO-5-29 | DOP-5-29 | SP-5-29 | TSP-5-29xx | RAP29 | 5AR29 | 5CC29 |
| 5-37 | DO-5-37 | DOP-5-37 | SP-5-37 | TSP-5-37xx | RAP37 | 5AR37 | 5CC37 |
| 5-43 | DO-5-43 | DOP-5-43 | SP-5-43 | TSP-5-43xx | RAP43 | 5AR43 | 5CC43 |
| 5-8-26 | DO-5-8 | DOP-5-8 | SP-5-8-26 | — | RAP8 | 5AR8-26 | 5CC8-26 |
| 5-14-26 | DO-5-14 | DOP-5-14 | SP-5-14-26 | TSP-5-14-26xx | RAP14 | 5AR14-26 | 5CC14-26 |
| 5-21-26 | DO-5-21 | DOP-5-21 | SP-5-21-26 | TSP-5-21-26xx | RAP21 | 5AR21-26 | 5CC21-26 |
| 5-29-26 | DO-5-29 | DOP-5-29 | SP-5-29-26 | TSP-5-29-26xx | RAP29 | 5AR29-26 | 5CC29-26 |
| 5-37-26 | DO-5-37 | DOP-5-37 | SP-5-37-26 | TSP-5-37-26xx | RAP37 | 5AR37-26 | 5CC37-26 |
| 5-43-26 | DO-5-43 | DOP-5-43 | SP-5-43-26 | TSP-5-43-26xx | RAP43 | 5AR43-26 | 5CC43-26 |

*Custom width cable chases available, please call for details. ***Replace 'xx' with DS = Darkstone, GS = Graystone, PS = Pepperstone (Tops Only), SL = Slate (Sides Only)
 SG = Shark Gray, EA = Ebony Ash, WG = Wenge, DC = Dark Cherry, DP = Dark Pecan, AG = Aged Cherry, HM = Honey Maple, LW = Light Walnut, MP = Maple.
 See pg. 175 for thermolaminate finish options.



Laminate Racks

Oak Laminate

Maple

Black Wood Grain

Laminate Racks

Featuring a maple, oak or black wood grain finish, these versatile equipment racks are offered with a variety of options for superior equipment mounting, mobility and aesthetics. Four depths are now available to accommodate larger components and all racks are easily assembled using the included hardware. 406mm and 457mm depth models include one set of rackrail, 559mm and 711mm depth models include front and rear rackrail. Most units ship via UPS and have a 90-113 kg weight capacity.

- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)



EIA/TIA Compliant

Spec. #
96-032
for full
product
info.



RK2

RK6

RK16



Black Wood Grain Laminate Racks

| 406mm Deep Part # | 457mm Deep Part # | 559mm Deep Part # | 711mm Deep Part # | Racking Height | Overall Height |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|
| RK2 | - | - | - | 89mm (2 Space) | 127mm |
| RK4 | - | - | - | 178mm (4 Space) | 216mm |
| RK6 | BRK6 | - | - | 268mm (6 Space) | 305mm |
| RK8 | BRK8 | BRK8-22 | - | 356mm (8 Space) | 394mm |
| RK10 | BRK10 | - | - | 445mm (10 Space) | 482mm |
| RK12 | BRK12 | BRK12-22 | BRK12-28 | 533mm (12 Space) | 572mm |
| RK14 | BRK14 | - | - | 622mm (14 Space) | 660mm |
| RK16 | BRK16 | BRK16-22 | BRK16-28 | 711mm (16 Space) | 749mm |
| RK20 | BRK20 | BRK20-22* | BRK20-28* | 889mm (20 Space) | 927mm |
| - | - | BRK28-22* | BRK28-28* | 1245mm (28 Space) | 1283mm |

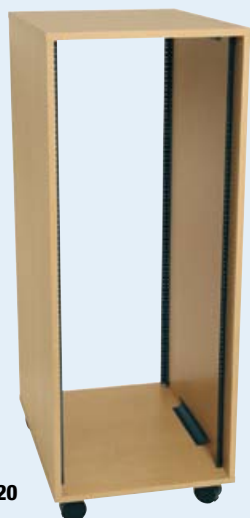
*too large for UPS shipment

Maple Laminate Racks

| 457mm Deep Part # | 559mm Deep Part # | 711mm Deep Part # | Racking Height | Overall Height |
|-------------------|-------------------|-------------------|-------------------|----------------|
| MBRK8 | MBRK8-22 | - | 356mm (8 Space) | 394mm |
| MBRK12 | MBRK12-22 | MBRK12-28 | 533mm (12 Space) | 572mm |
| MBRK16 | MBRK16-22 | MBRK16-28 | 711mm (16 Space) | 749mm |
| MBRK20 | MBRK20-22* | MBRK20-28* | 889mm (20 Space) | 927mm |
| - | MBRK28-22* | MBRK28-28* | 1245mm (28 Space) | 1283mm |

*too large for UPS shipment

MBRK20





Smoked Tempered Glass Door

Attractive smoked tempered glass door available for BRK, OBRK and MBRK Series racks. Addition of door requires front rails to be recessed, reducing the useable depth of the rack by 51mm.

| Part # | Racking Height | Part # | Racking Height |
|---------|------------------|---------|-------------------|
| RK-GD6 | 267mm (6 Space) | RK-GD14 | 622mm (14 Space) |
| RK-GD8 | 356mm (8 Space) | RK-GD16 | 711mm (16 Space) |
| RK-GD10 | 445mm (10 Space) | RK-GD20 | 889mm (20 Space) |
| RK-GD12 | 533mm (12 Space) | RK-GD28 | 1244mm (28 Space) |



Rear Access Panel

Locking/latching rear access panel tips out for easy access and provides cooling, cable entry and security. Works with BRK and MBRK racks 559mm or 711mm deep. Rear access panel includes a 2 space top vented panel and a 2 space cable management panel.

| Black Finish Part # | Maple Part # | Racking Height |
|---------------------|--------------|-------------------|
| RK-RAP8 | RK-RAP8-MP | 356mm (8 Space) |
| RK-RAP12 | RK-RAP12-MP | 533mm (12 Space) |
| RK-RAP16 | RK-RAP16-MP | 711mm (16 Space) |
| RK-RAP20 | RK-RAP20-MP | 889mm (20 Space) |
| RK-RAP28 | RK-RAP28-MP | 1244mm (28 Space) |



Fan Kit with Energy Saving Thermostatic Control

Energy saving thermostatic control for laminate racks extends life and reduces dust buildup. Fits BRK, MBRK Series 559mm or deeper. Fans mount in the top of the rear access panel.

| Part # | Description |
|-------------|---|
| IDCFANKIT-4 | 2.82 m³/m fan kit, mounts in top of the rear access panel |

IDCFANKIT-4
optional fan kit

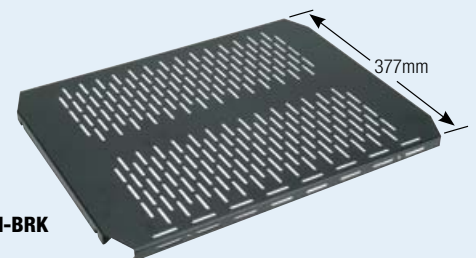


Quick Position Shelf

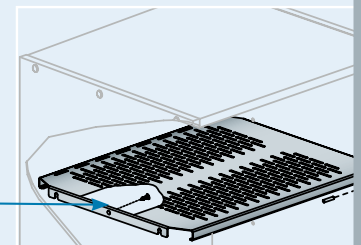
Convenient pin-mount shelves speed installation and allow for simplified mounting of rackmount and non-rackmount components in 457mm deep BRK/OBRK Series racks. Engineered ventilation slots maximize airflow while cable management slots simplify wiring. Mounts in 64mm increments and accepts **C** power strips. Constructed from 16-gauge steel, includes mounting hardware and is finished in a durable black powder coat.

| Part # | Description | Fits | Qty |
|-----------|-----------------------|----------------------------|-----|
| SH-BRK | Quick Position™ shelf | BRK, OBRK, MBRK 457mm deep | 1 |
| SH-BRK-3P | Quick Position™ shelf | BRK, OBRK, MBRK 457mm deep | 3 |

SH-BRK



for added stability,
use center hole in
shelf side to secure
with provided wood
screws



Rear Rackrail Kits

| Part # | Description |
|--------|---------------------------------------|
| RK-RRx | rear rackrail (x=number of rackspace) |

Caster Kits (includes hardware)

| Part # | Description |
|--------|---|
| RKW | Wheel Kit – 2 locking, 2 non-locking (adds 70mm to height), 68 kg weight capacity |
| RKW-HD | Heavy Duty Wheel kit – 2 locking, 2 non-locking (adds 76mm to height), 113 kg weight capacity |





Desktop Racks



EIA/TIA Compliant



DTRK-1418

DTRK Series Desktop Rack

This new compact rack series provides a rackmounting solution for desktop installations and also great for under desk applications. Available options include vented and plexi front doors, and a brush grommet rear access panel for simple and clean cable entry routing. Another option is the LL-DTRK adapter kit, which enables the use of certain 553mm vertical LeverLock™ accessories (channels and angles only – not compatible with mounting plates). These are part of the patent-pending LeverLock™ tool free internal management system. For more on the LeverLock system, please see pg. 10. Runner kit option 5-RS20 is also available, see pg. 33.

- Static load capacity - 544 kg
- UL Listed in US and Canada. UL Listed load capacity - 136 kg
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)



DT-PVFD-14



DT-RAP14



LeverLock™ requires optional LL-DTRK Kit

| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width | Vented Front Door | Plexi/Vented Front Door | Solid Rear Access Panel w/ Brush Cable Entry | LL-DTRK Allows Vertical LeverLock™ Height | Commercial Grade Casters |
|-----------|------------------|----------------|---------------|---------------|---------------|-------------------|-------------------------|--|---|--------------------------|
| DTRK-718 | 311mm (7 Space) | 359mm | 470mm | 495mm | 543mm | DT-VFD-7 | DT-PVFD-7 | DT-RAP7 | — | DTRK-W |
| DTRK-1018 | 445mm (10 Space) | 492mm | 470mm | 495mm | 543mm | DT-VFD-10 | DT-PVFD-10 | DT-RAP10 | 533mm | DTRK-W |
| DTRK-1218 | 533mm (12 Space) | 581mm | 470mm | 495mm | 543mm | DT-VFD-12 | DT-PVFD-12 | DT-RAP12 | 533mm | DTRK-W |
| DTRK-1418 | 622mm (14 Space) | 670mm | 470mm | 495mm | 543mm | DT-VFD-14 | DT-PVFD-14 | DT-RAP14 | 533mm | DTRK-W |
| DTRK-1818 | 800mm (18 Space) | 848mm | 470mm | 495mm | 543mm | DT-VFD-18 | DT-PVFD-18 | DT-RAP18 | 533mm | DTRK-W |



HRF-1214

HRF Series Half Rack Systems

Feature a Low Profile Design and Compact Dimensions

An offset cable tie area keeps their overall width to a slim 27 cm, which makes them an important off-the-shelf solution for maximizing the amount of usable rackspace in confined areas. These dimensions also allow the HRF Series to be used with half rack equipment from a variety of manufacturers. The HRF Series half racks also feature a strong welded frame that enables equipment to be pre-loaded and transported to the installation site.

Initial models are available in 8 and 12 space useable racking height configurations with available mounting shelves that include a pattern of holes and slots that accommodate any device-mounting pattern. The line of complementary accessories for the Half Rack Series also includes a high-static pressure blower to exhaust heat, as well as blank and vented panels to complete the installation.

| Part # | Overall Height | Racking Height |
|----------|----------------|-----------------------|
| HRF-814 | 379mm | 357mm (8 rackspaces) |
| HRF-1214 | 557mm | 535mm (12 rackspaces) |

Half Rack Options

| Runner Kit | Universal Multi Shelves | Blank Panels | Vent Panels | Quiet Blower |
|------------|----------------------------|-----------------|-------------------|--------------|
| 5-RS14 | HR-UMS1-5.5 (140mm depth) | HRB1 (1 space) | HR-EVT1 (1 space) | IHR-QBP-1 |
| — | HR-UMS1-11.5 (292mm depth) | HRBL2 (2 space) | HR-EVT2 (2 space) | — |



HRF-1214 shown installed



Specify a PTRK when a rugged, portable rack is essential.

Smooth rolling 102mm casters, advanced cable management and secure doors make this rack ideal for serving a variety of applications.

Structural Features

- Standard front adjustable heavy-gauge, 10-32 threaded rackrail with smooth laser cut cable openings & numbered rackspace increments speed equipment mounting
- Fully welded steel construction for strength
- Heavy-duty commercial grade locking casters & spring-loaded recessed side handles facilitate rack transport
- Keylocked front and rear doors standard for advanced security
- Finished in a durable black textured powder coat
- Also available with graphite-marbled laminate top and plexi front door

Thermal Management

- Side panels are vented for passive thermal management
- Laser knockouts on rear door for fans (KO-AWFP2)

Cable Management

- Slots incorporated into bottom of rack for cable strain relief and mounting of boxes

| Part # | Racking Height | Overall Height Including Casters | Useable Depth |
|----------------|-------------------|----------------------------------|---------------|
| PTRK-14 | 622mm (14 Space) | 857mm | 546mm |
| PTRK-14MDK** | 622mm (14 Space) | 883mm | 546mm |
| PTRK-21 | 933mm (21 Space) | 1168mm | 546mm |
| PTRK-21MDK** | 933mm (21 Space) | 1194mm | 546mm |
| PTRK-1426 | 622mm (14 Space) | 857mm | 622mm |
| PTRK-1426MDK** | 622mm (14 Space) | 883mm | 622mm |
| PTRK-2126 | 933mm (21 Space) | 1168mm | 622mm |
| PTRK-2126MDK** | 933mm (21 Space) | 1194mm | 622mm |
| PTRK-2726 | 1200mm (27 Space) | 1435mm | 622mm |
| PTRK-2726MDK** | 1200mm (27 Space) | 1461mm | 622mm |

**Includes graphite laminate top and plexi front door



PTRK-21MDK
with optional LCD mount MMB1X1

casters

Spec. #
96-154
for full
product
info.

EIA/TIA Compliant



PTRK-21
with optional solid front door

Presentation Enclosure Systems

WRK-24MDK studio enclosure system combines furniture elegance with a robust rolling steel enclosure in a deep video rack.

Incorporating an attractive graphite-marbled laminate top that can accommodate video monitors, the WRK-24MDK comes with a skirted wheel-base, latching front plexi door, latching vented rear door, and front and rear rackrail.

| Part # | Description |
|-----------|--|
| WRK-24MDK | 1067mm (24 space) x 813mm deep presentation enclosure system |
| MMB1X1* | single LCD mount, articulating, black finish |

*13 kg weight capacity

BGR Series enclosure systems combines furniture elegance with a robust rolling steel enclosure

Featuring an attractive thermolaminate top can accommodate video monitors, the BGR-MDK Series comes complete with a skirted wheelbase, leveling feet, curved plexi front door, cable entry rear door and front and rear rackrail. The standard stocking color for the counter top is Middle Atlantic Darkstone, but all Middle Atlantic thermolaminate colors are quickly made to order, simply replace the DS part # suffix with the Middle Atlantic thermolaminate color of your choice. The BGR-MDK Series features the patent-pending LeverLock™ system.

| Part # | Racking Height | Overall Height | Overall Depth | Useable Depth |
|-------------------|-------------------------|----------------|---------------|---------------|
| BGR-19SA27MDK-DS* | 844mm(19 rackspaces) | 1,003mm | 685mm | 619mm |
| BGR-25SA27MDK-DS* | 1,111mm (25 rackspaces) | 1,270mm | 685mm | 619mm |
| BGR-25SA32MDK-DS* | 1,111mm (25 rackspaces) | 1,270mm | 812mm | 746mm |

*Replace 'DS' with GS = Graystone, PS = Pepperstone, SG = Shark Gray, EA = Ebony Ash, WG = Wenge, DC = Dark Cherry, DP = Dark Pecan, AG = Aged Cherry, HM = Honey Maple, LW = Light Walnut, MP = Maple.

Spec. #
96-052SA
for full
product
info.

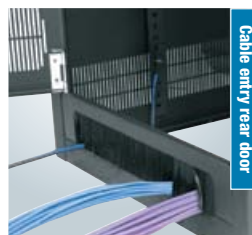


EIA/TIA Compliant



WRK-24MDK

attractive skirted wheel base

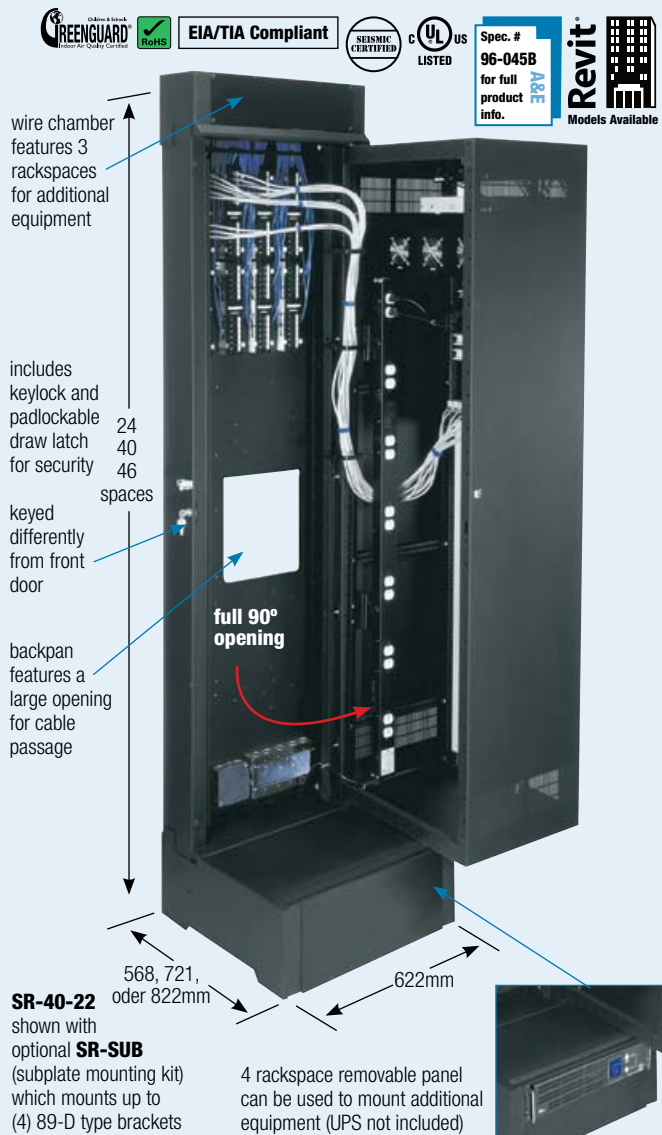


BGR-19SA27-MDK-DS





SR Series Pivoting Rack



The SR Series was designed to provide a unique blend of the advantages of a floor-standing rack with those of a wall mounted cabinet.

The result is a unique tall wall rack that pivots open 90° on a floor base to provide access to rear equipment connections.

Specify an SR Series enclosure for heavier installations that will connect to on-wall cabling or pull boxes, and when easy access to rear equipment connections is essential.

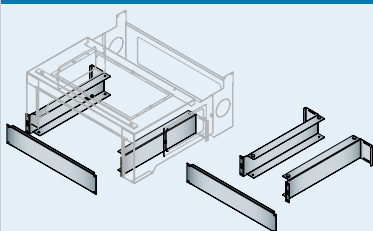
Structural Features

- Patented Tool Free Quick-Mount™ system for easy mounting of the center section to the backpan on the jobsite
- Pivots 90° on floor base for access to rear equipment connections
- Standard adjustable front heavy-gauge, 10-32 threaded rackrail with numbered rackspace increments speeds equipment mounting
- “Bonus” 4 rackspace in base is ideal for mounting a UPS or other equipment
- Finished in a durable black textured powder coat

Regulatory / Certifications

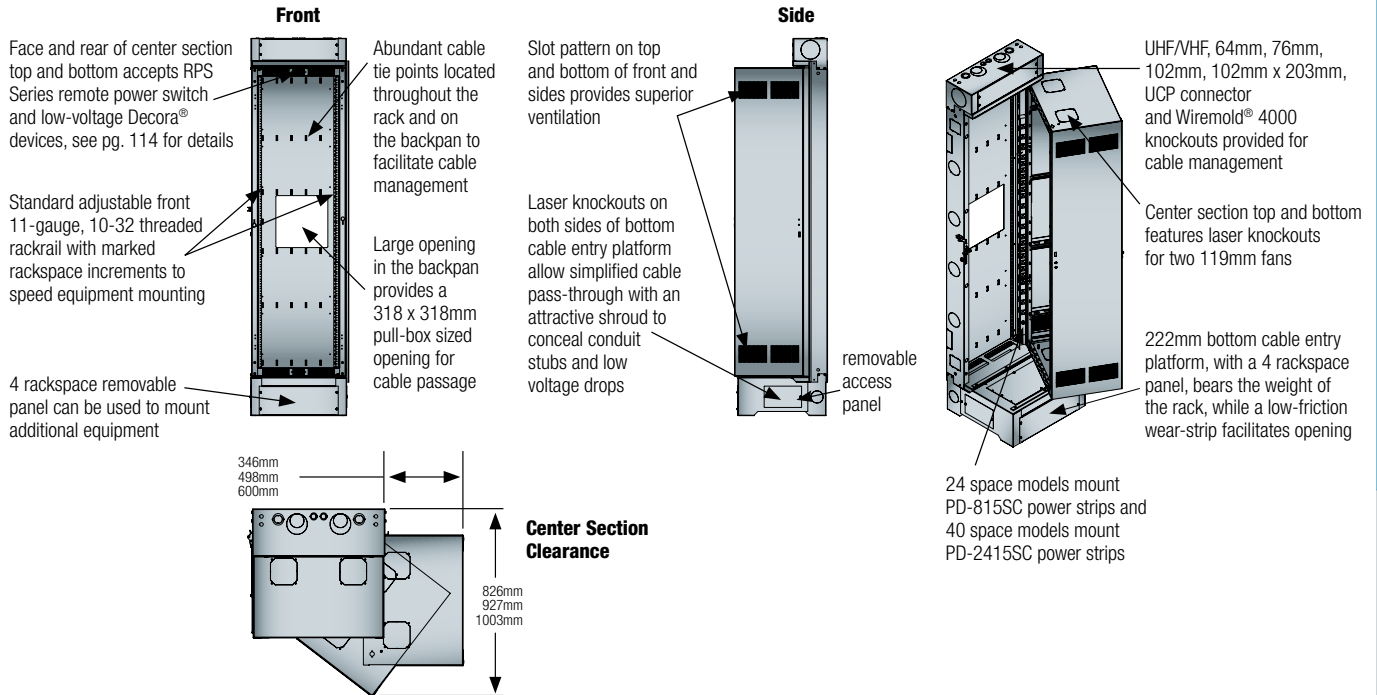
- Grounding/bonding stud in top and bottom of center section and backpan facilitates proper grounding and bonding of electronic equipment, as per NEBS and NEC standards
- 227 kg weight capacity
- UL Listed in the US and Canada
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor I_p is 1.5. Seismic Certified load capacity of 152 kg when used with DWRSR-ZL Latch.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

SR-UPS-BKT



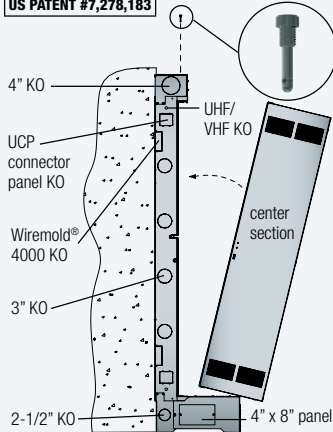
Mounting kit supports Middle Atlantic UPS models for easier mounting in SR base section.

| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width | Weight Capacity |
|----------|-------------------|----------------|---------------|---------------|---------------|-----------------|
| SR-24-28 | 1067mm (24 Space) | 1594mm | 660mm | 721mm | 622mm | 227 kg |
| SR-24-32 | 1067mm (24 Space) | 1594mm | 762mm | 822mm | 622mm | 227 kg |
| SR-40-22 | 1778mm (40 Space) | 2305mm | 508mm | 568mm | 622mm | 227 kg |
| SR-40-28 | 1778mm (40 Space) | 2305mm | 660mm | 721mm | 622mm | 227 kg |
| SR-40-32 | 1778mm (40 Space) | 2305mm | 762mm | 822mm | 622mm | 227 kg |
| SR-46-28 | 2045mm (46 Space) | 2572mm | 660mm | 721mm | 622mm | 227 kg |



Tool Free Quick-Mount™ System

US PATENT #7,278,183



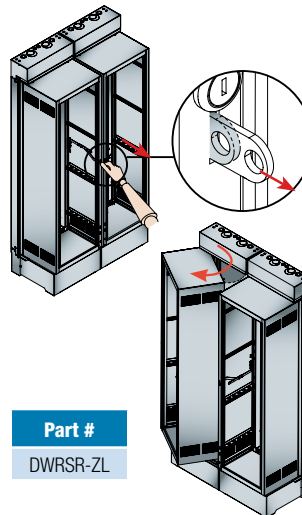
Easy Access Option

US PATENT #7,188,570

Minimum Clearance Latch

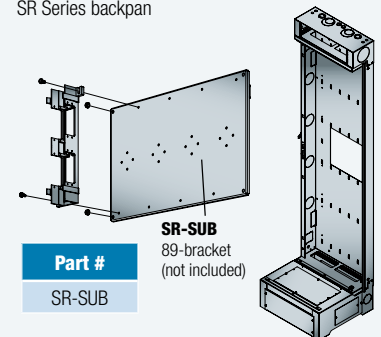
Front mounted latch saves valuable wall space by allowing wall racks to be placed side by side within 13mm of a corner, or wherever side clearance is an issue. To open, simply pull the convenient front-mounted handle. Unlike time-consuming threaded rods, this unique latch provides keylocked security from the front (keyed differently from optional front door). Easy to install; required for seismic installations.

Available only from Middle Atlantic Products!



Sub-Plate Mounting Kit

Optional sub-plate mounting kit (SR-SUB) allows for the mounting of up to (4) 89-D type brackets, (4) 1900 boxes or (1) Raco 3 gang box. Mount up to (4) SR-SUB's to each 40 or 46 space SR Series backpan, and up to (2) in each 24 space SR Series backpan



Rack Options: The options listed below are the most widely used accessories for this series of enclosure but is not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | | Additional 10-32 Threaded Rackrail |
|----------|-------------|--------|--------------------|--------------------|------------------------------------|
| | Solid | Plexi | 25% Open Area Perf | 64% Open Area Perf | |
| SR-24-28 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | DWR-RR24 |
| SR-24-32 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | DWR-RR24 |
| SR-40-22 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | DWR-RR40 |
| SR-40-28 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | DWR-RR40 |
| SR-40-32 | FD-40 | PFD-40 | VFD-40 | LVFD-40 | DWR-RR40 |
| SR-46-28 | FD-46 | PFD-46 | VFD-46 | — | DWR-RR46 |

for more info refer to pgs. 22-26



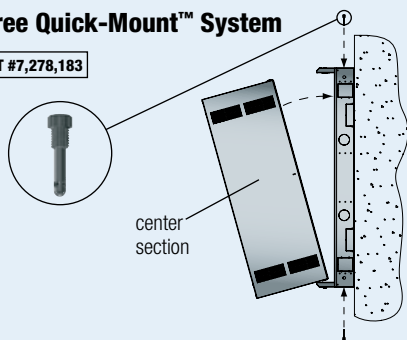
DWR Series Wall Cabinet



DWR-18-22

Tool Free Quick-Mount™ System

US PATENT #7,278,183



US PATENT #7,278,183

EIA/TIA Compliant



Spec. #
96-045
for full
product
info.



Specify a DWR wall cabinet to provide easy rear access while keeping floor areas clear.

This pivoting, sectional wall cabinet is ideal for systems in both secured and non-secured areas. Most versatile wall rack available!!

Structural Features

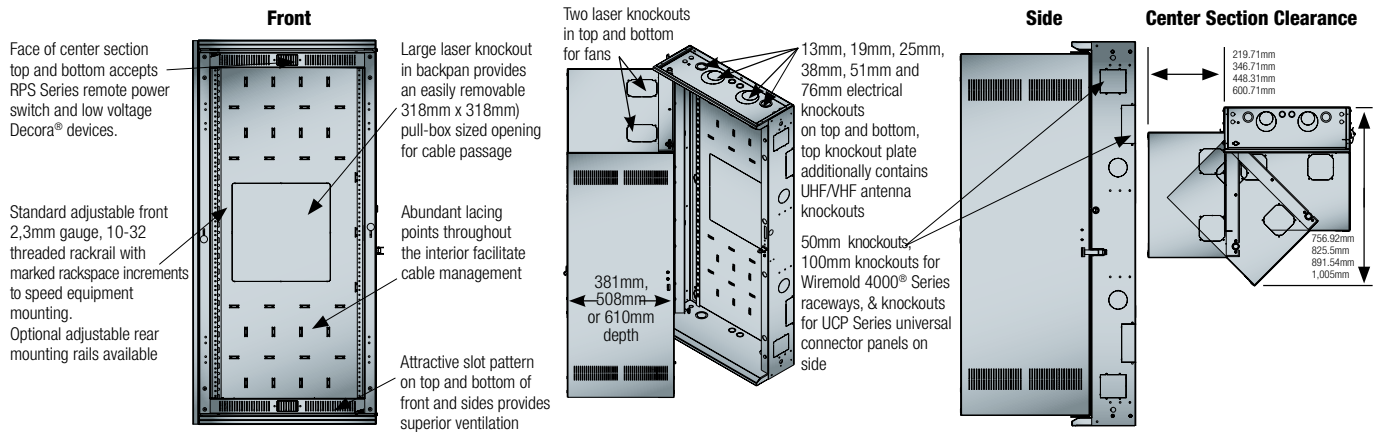
- Patented Tool Free Quick-Mount™ system for easy mounting of the center section to the backpan on the jobsite
- Reversible padlockable center section is keyed differently from optional front door for security
- Unique dual pivot allows reversal of center section opening direction without disassembly!
- Designed for choice of active or passive cooling
- Finished in a durable black textured powder coat

Regulatory / Certifications

- Welded construction: up to a 136 kg weight capacity, depending on model
- Grounding/bonding stud in top and bottom of center section and backpan facilitates proper grounding & bonding of electronic equipment, as per NEBS & NEC standards
- UL Listed in the US and Canada
- Seismic certified to the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor (Ip) is 1.5. Seismic Certified load capacity of 64kg when used with DWRSR-ZL Latch.
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Fully Assembled with Plexi Front Door Part #* | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width* | Weight Capacity |
|-----------|---|-------------------|----------------|---------------|---------------|----------------|-----------------|
| DWR-10-17 | DWR-10-17PD | 445mm (10 Space) | 622mm | 381mm | 432mm | 599mm | 90 kg |
| DWR-10-22 | DWR-10-22PD | 445mm (10 Space) | 622mm | 508mm | 559mm | 599mm | 90 kg |
| DWR-12-17 | DWR-12-17PD | 533mm (12 Space) | 711mm | 381mm | 432mm | 599mm | 90 kg |
| DWR-12-22 | DWR-12-22PD | 533mm (12 Space) | 711mm | 508mm | 559mm | 599mm | 90 kg |
| DWR-12-26 | DWR-12-26PD | 533mm (12 Space) | 711mm | 610mm | 660mm | 599mm | 90 kg |
| DWR-12-32 | - | 533mm (12 Space) | 711mm | 762mm | 813mm | 599mm | 90 kg |
| DWR-16-17 | DWR-16-17PD | 711mm (16 Space) | 889mm | 381mm | 432mm | 599mm | 90 kg |
| DWR-16-22 | DWR-16-22PD | 711mm (16 Space) | 889mm | 508mm | 559mm | 599mm | 90 kg |
| DWR-18-17 | DWR-18-17PD | 800mm (18 Space) | 978mm | 381mm | 432mm | 599mm | 113 kg |
| DWR-18-22 | DWR-18-22PD | 800mm (18 Space) | 978mm | 508mm | 559mm | 599mm | 113 kg |
| DWR-18-26 | DWR-18-26PD | 800mm (18 Space) | 978mm | 610mm | 660mm | 599mm | 113 kg |
| DWR-18-32 | - | 800mm (18 Space) | 978mm | 762mm | 813mm | 599mm | 113 kg |
| DWR-21-17 | DWR-21-17PD | 933mm (21 Space) | 1111mm | 381mm | 432mm | 599mm | 113 kg |
| DWR-21-22 | DWR-21-22PD | 933mm (21 Space) | 1111mm | 508mm | 559mm | 599mm | 113 kg |
| DWR-24-17 | DWR-24-17PD | 1067mm (24 Space) | 1245mm | 381mm | 432mm | 599mm | 136 kg |
| DWR-24-22 | DWR-24-22PD | 1067mm (24 Space) | 1245mm | 508mm | 559mm | 599mm | 136 kg |
| DWR-24-26 | DWR-24-26PD | 1067mm (24 Space) | 1245mm | 610mm | 660mm | 599mm | 136 kg |
| DWR-24-32 | - | 1067mm (24 Space) | 1245mm | 762mm | 813mm | 599mm | 136 kg |
| DWR-35-17 | - | 1556mm (35 Space) | 1734mm | 381mm | 432mm | 599mm | 136 kg |
| DWR-35-22 | DWR-35-22PD | 1556mm (35 Space) | 1734mm | 508mm | 559mm | 599mm | 136 kg |
| DWR-35-26 | DWR-35-26PD | 1556mm (35 Space) | 1734mm | 610mm | 660mm | 599mm | 136 kg |

*Not including latch



Cover Plate



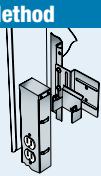
DWR-CVR

optional cover plate/shelf kit available

Mounting Method

PB-DWR

required for mounting PD Series and MPR power strips vertically in backpan

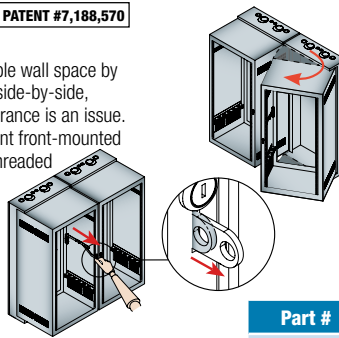


Easy Access Option US PATENT #7,188,570

Minimum Clearance Latch

Front mounted latch saves valuable wall space by allowing wall racks to be placed side-by-side, in a corner, or wherever side clearance is an issue. To open, simply pull the convenient front-mounted handle. Unlike time-consuming threaded rods, this unique latch provides keylocked security from the front (keyed differently from optional front door). Easy to install; required for seismic installations.

Available only from Middle Atlantic Products!



Part

DWRSR-ZL

Rack Options: The options listed below are the most widely used accessories for this series of enclosure but is not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | | Additional 10-32 Threaded Rackrail |
|-----------|-------------|--------|--------------------|--------------------|------------------------------------|
| | Solid | Plexi | 25% Open Area Perf | 64% Open Area Perf | |
| DWR-10-17 | FD-10 | PFD-10 | VFD-10 | LVFD-10 | DWR-RR10 |
| DWR-10-22 | FD-10 | PFD-10 | VFD-10 | LVFD-10 | DWR-RR10 |
| DWR-12-17 | FD-12 | PFD-12 | VFD-12 | LVFD-12 | DWR-RR12 |
| DWR-12-22 | FD-12 | PFD-12 | VFD-12 | LVFD-12 | DWR-RR12 |
| DWR-12-26 | FD-12 | PFD-12 | VFD-12 | LVFD-12 | DWR-RR12 |
| DWR-12-32 | FD-12 | PFD-12 | VFD-12 | LVFD-12 | DWR-RR12 |
| DWR-16-17 | FD-16 | PFD-16 | VFD-16 | LVFD-16 | DWR-RR16 |
| DWR-16-22 | FD-16 | PFD-16 | VFD-16 | LVFD-16 | DWR-RR16 |
| DWR-18-17 | FD-18 | PFD-18 | VFD-18 | LVFD-18 | DWR-RR18 |
| DWR-18-22 | FD-18 | PFD-18 | VFD-18 | LVFD-18 | DWR-RR18 |
| DWR-18-26 | FD-18 | PFD-18 | VFD-18 | LVFD-18 | DWR-RR18 |
| DWR-18-32 | FD-18 | PFD-18 | VFD-18 | LVFD-18 | DWR-RR18 |
| DWR-21-17 | FD-21 | PFD-21 | VFD-21 | LVFD-21 | DWR-RR21 |
| DWR-21-22 | FD-21 | PFD-21 | VFD-21 | LVFD-21 | DWR-RR21 |
| DWR-24-17 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | DWR-RR24 |
| DWR-24-22 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | DWR-RR24 |
| DWR-24-26 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | DWR-RR24 |
| DWR-24-32 | FD-24 | PFD-24 | VFD-24 | LVFD-24 | DWR-RR24 |
| DWR-35-17 | FD-35 | PFD-35 | VFD-35 | LVFD-35 | DWR-RR35 |
| DWR-35-22 | FD-35 | PFD-35 | VFD-35 | LVFD-35 | DWR-RR35 |
| DWR-35-26 | FD-35 | PFD-35 | VFD-35 | LVFD-35 | DWR-RR35 |

for more info refer to pgs. 22-26



EWR Series Economical Wall Cabinet



US PATENT #7,278,183

EIA/TIA Compliant

Spec. #
96-01004
for full
product
info.

A&E



EWR-10-17SD



Consider an EWR wall cabinet when installing smaller systems and an economical solution is required.

This pivoting, sectional wall cabinet provides unparalleled quality at an aggressive price and is ideal for use in both secured and nonsecured areas.

Structural Features

- Fully welded construction for strength
- Patented Tool Free Quick-Mount™ system for easy attachment of the center section to the backpan on the jobsite
- Reversible padlockable center section keyed separately from optional front door
- Optimized for passive thermal management
- Finished in a durable black textured powder coat

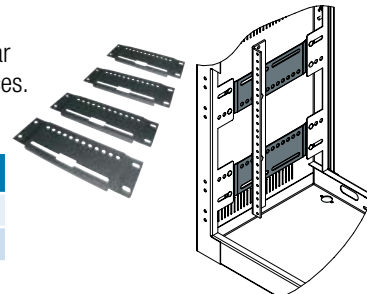
Regulatory / Certifications

- 68kg weight capacity
- UL Listed in the US and Canada
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

Rackrail Bracket Extender

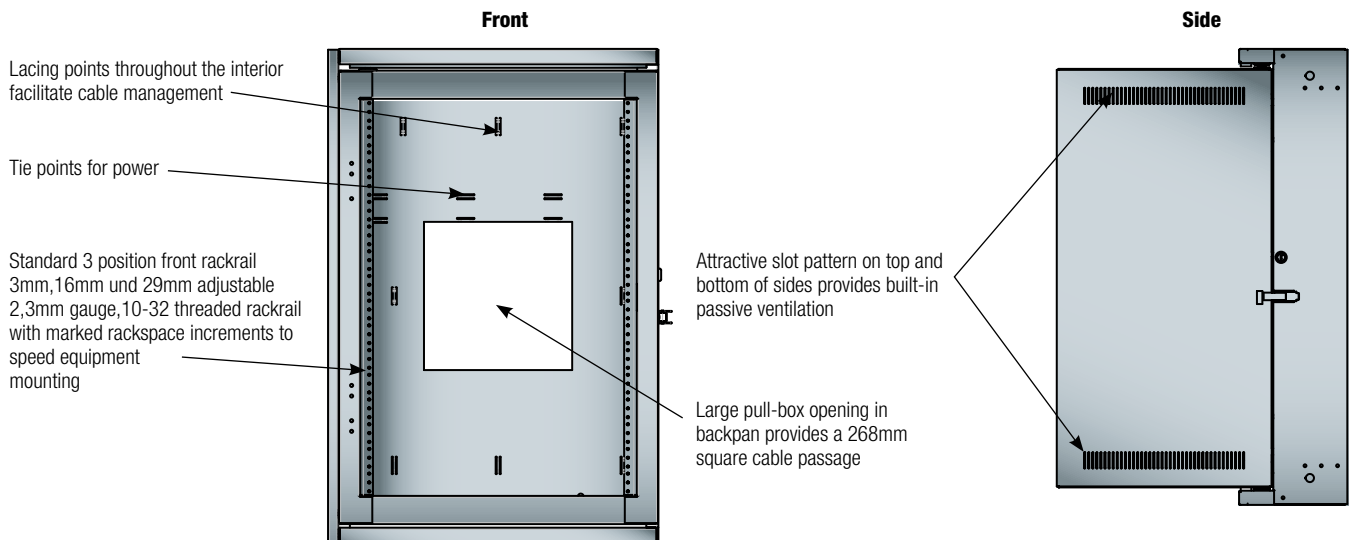
Convert the EWR to full front to rear adjustable rackrail, includes 4 pieces.

| Part # | Fits |
|------------|----------------|
| EWR-ARB-17 | 432mm deep EWR |
| EWR-ARB-22 | 559mm deep EWR |



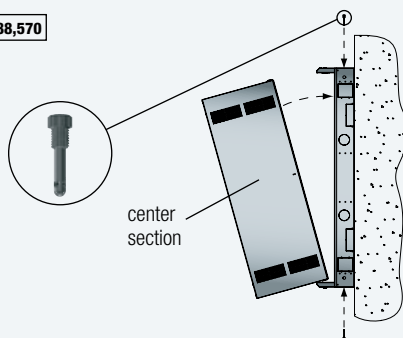
| Part # | Fully Assembled with Solid Front Door Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width* | Weight Capacity |
|-----------|--|------------------|----------------|---------------|---------------|----------------|-----------------|
| EWR-8-17 | EWR-8-17SD | 356mm (8 Space) | 533mm | 381mm | 440mm | 618mm | 68 kg |
| EWR-8-22 | EWR-8-22SD | 356mm (8 Space) | 533mm | 508mm | 567mm | 618mm | 68 kg |
| EWR-10-17 | EWR-10-17SD | 445mm (10 Space) | 622mm | 381mm | 440mm | 618mm | 68 kg |
| EWR-10-22 | EWR-10-22SD | 445mm (10 Space) | 622mm | 508mm | 567mm | 618mm | 68 kg |
| EWR-12-17 | EWR-12-17SD | 533mm (12 Space) | 711mm | 381mm | 440mm | 618mm | 68 kg |
| EWR-12-22 | EWR-12-22SD | 533mm (12 Space) | 711mm | 508mm | 567mm | 618mm | 68 kg |
| EWR-16-17 | EWR-16-17SD | 711mm (16 Space) | 889mm | 381mm | 440mm | 618mm | 68 kg |
| EWR-16-22 | EWR-16-22SD | 711mm (16 Space) | 889mm | 508mm | 567mm | 618mm | 68 kg |

*Not including latch

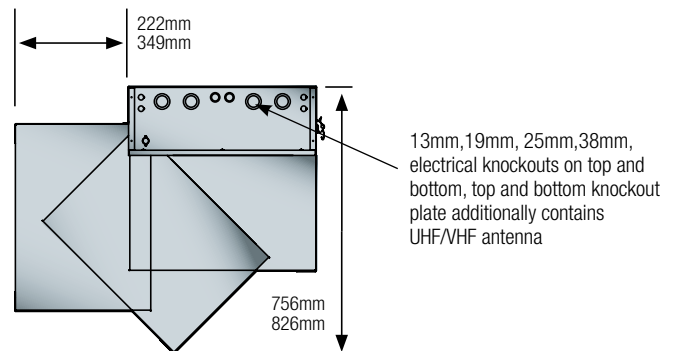


Tool Free Quick-Mount™ System

US PATENT #7,188,570



Center Section Clearance



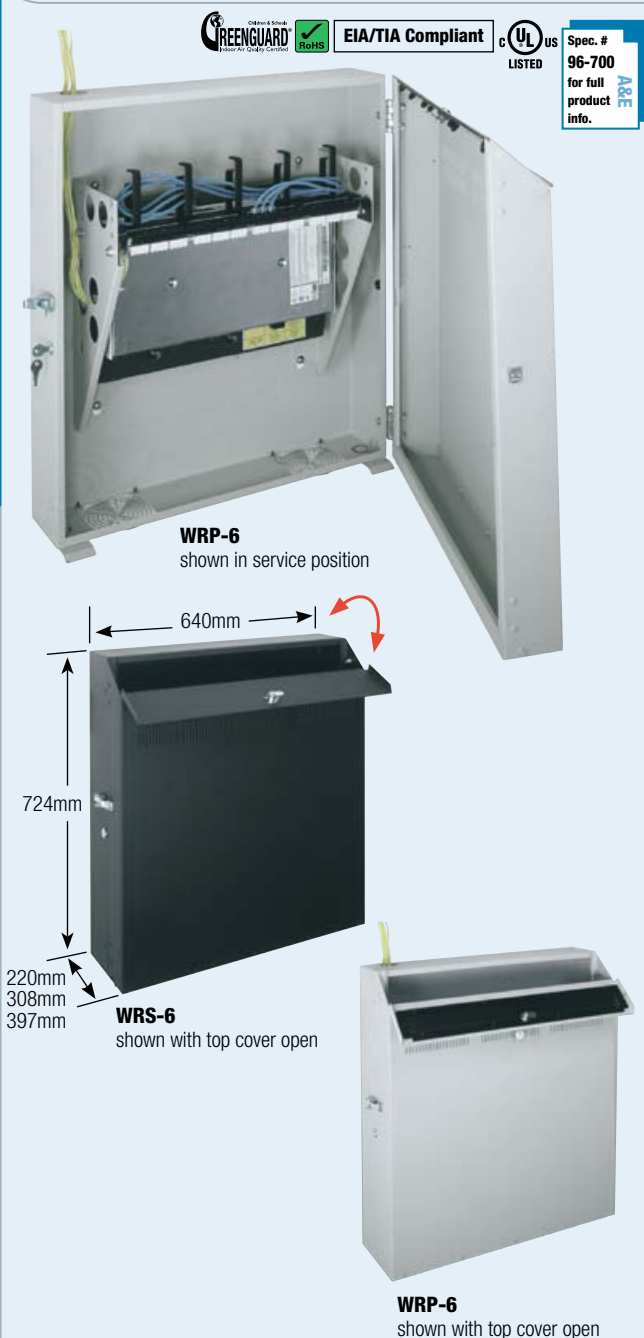
Rack Options: The options listed below are the most widely used accessories for this series of enclosure but is not inclusive of all available items. For additional options and/or more information on the items listed below reference the Enclosure Options section of the catalog.

| Part # | Front Doors | | | | Additional 10-32 Threaded Rackrail |
|-----------|-------------|--------|--------------------|------------------|------------------------------------|
| | Solid | Plexi | 64% Open Area Perf | Partially Vented | |
| EWR-8-17 | FD-8 | PFD-8 | LVFD-8 | EVFD-8 | DWR-RR8 |
| EWR-8-22 | FD-8 | PFD-8 | LVFD-8 | EVFD-8 | DWR-RR8 |
| EWR-10-17 | FD-10 | PFD-10 | LVFD-10 | EVFD-10 | DWR-RR10 |
| EWR-10-22 | FD-10 | PFD-10 | LVFD-10 | EVFD-10 | DWR-RR10 |
| EWR-12-17 | FD-12 | PFD-12 | LVFD-12 | EVFD-12 | DWR-RR12 |
| EWR-12-22 | FD-12 | PFD-12 | LVFD-12 | EVFD-12 | DWR-RR12 |
| EWR-16-17 | FD-16 | PFD-16 | LVFD-16 | EVFD-16 | DWR-RR16 |
| EWR-16-22 | FD-16 | PFD-16 | LVFD-16 | EVFD-16 | DWR-RR16 |

for more info refer to pgs. 24-27



Vertical Equipment Wall Mounts



Specify a WRP or WRS for vertically mounting equipment on a wall surface in a protective enclosure.

Structural Features

- Unique design with 584mm useable racking depth allows mounting of deeper equipment vertically in a parallel-to-the-wall orientation for space efficiency and aesthetics
- Standard adjustable heavy-gauge, 10-32 threaded rackrail
- Solid hinged body swings either left or right
- Angled, hinged plexiglass (WRP Series) or solid steel (WRS Series) top cover allows convenient equipment access
- Top cover keyed separately from body keylock, providing user access to equipment controls while limiting access to rear equipment connections
- Finished in a durable putty powder coat (WRP Series) or black textured powder coat (WRS Series)

Thermal Management

- Vented front and two bottom located fan mounting positions facilitate thermal management
- Accepts two optional 119mm fans

Cable Management

- Rackrail adjusts to provide a space from 25mm to 102mm between top cover and equipment faces, allowing abundant room for D-Ring cable managers

Regulatory / Certifications

- Grounding/bonding stud facilitates the proper grounding and bonding of electronic equipment, as per NEBS and NEC standards
- UL Listed in the US and Canada
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Putty Part #* | Black Part #* | Racking Height | Useable Depth | Weight Capacity |
|---------------|---------------|-----------------|---------------|-----------------|
| WRP-4 | WRS-4 | 178mm (4 Space) | 584mm | 68 kg |
| WRP-6 | WRS-6 | 268mm (6 Space) | 584mm | 68 kg |
| WRP-8 | WRS-8 | 356mm (8 Space) | 584mm | 68 kg |

*Putty version has plexi cover, black version has solid cover.

Vertical Equipment Mount

Versatile solution for wall mount racking where a protective enclosure is not required.

- Can accommodate all depths of equipment
- Mounts horizontally or vertically allowing versatile component placement – under desktops, for example
- Heavy duty threaded rack rail, available in 2, 3 or 4 rackspace models
- Use two to provide 4-point mounting
- Includes hole for safety screw (for under desk mounting)

| Part # | Description |
|--------|-----------------------------------|
| VPM-2 | 2 space, vertical equipment mount |
| VPM-3 | 3 space, vertical equipment mount |
| VPM-4 | 4 space, vertical equipment mount |

VPM-4





Ideal for mounting patch panels with switches, hubs, routers and other equipment.

Structural Features

- Beveled front door with flanges on all sides provides greater security for equipment
- Reversible hinged door with lock and padlockable latch
- Integral electrical box simplifies power distribution
- Constructed of 1,3mm steel,
- 610mm wide by 914mm high x 191mm deep
- Finished in a durable putty powder coat
- Standard heavy-gauge, 10-32 threaded rackrail
- 4 total rackspaces for equipment mounting in two sections

Thermal Management

- Ventilation slots on front cover address thermal management needs
- 610mm fan kit available, mounts externally to maximize equipment mounting and cable management space

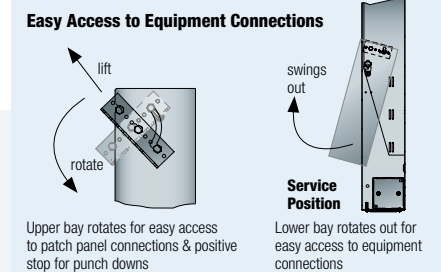
Cable Management

- Cable management features include a 178 x 102mm cable pass-through on backpan, abundant cable tie points and integral lacing bar on top set of rackrail
- 610mm length of hook and loop fasteners included to facilitate cable management
- Laser knockouts on the top, bottom and sides for cable entry

Regulatory / Certifications

- 68 kg weight capacity
- Grounding/bonding stud facilitates the proper grounding and bonding of electronic equipment, as per NEBS and NEC standards
- UL Listed in the US and Canada
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Racking Height | Part # | Description |
|--------|---|----------|---------------------------------------|
| HDR-4 | 89mm + 89mm (2 rackspace + 2 rackspace) | IHDR-FAN | external 119mm fan kit & vent blocker |



Ideal for small sound systems, paging & patching applications in schools, hotels, offices or anywhere a secure, low-profile wall mount solution is required.

Structural Features

- Two models available: surface mount or flush between studs
- Tamper resistant design ideal for use in non-secure areas
- Mount non-rackmount equipment using included clamp bars
- 10-32 threaded rackrail is adjustable with a 38mm to 86mm recess to accommodate handles and knobs
- Up to 508mm useable depth
- Durable, neutral putty finish
- Vented for effective passive thermal management
- Knockout provided in face to mount RPS Series remote power switch and low-voltage Decora® devices

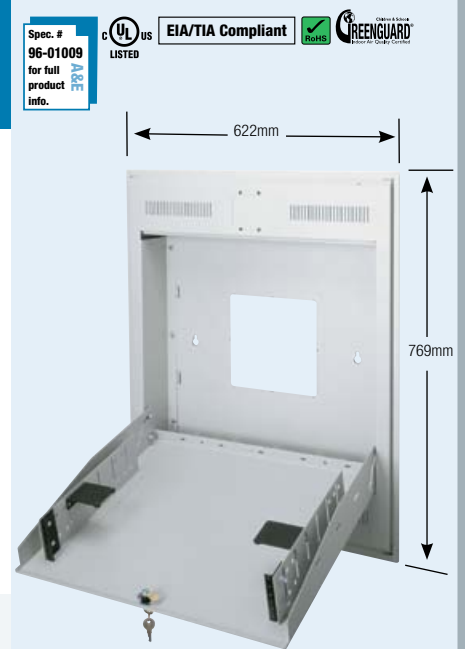
Cable Management

- Includes knockout to accommodate Middle Atlantic Products UCP Series universal connector panels, mounts BNC, XLR and other popular connectors
- Cable management tie points, with knockouts provided in back box for cable pass-through

Regulatory / Certifications

- 45kg weight capacity
- Grounding/bonding stud facilitates the proper grounding and bonding of electronic equipment, as per NEBS and NEC standards
- UL Listed in the US and Canada
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Surface Mount Part # | Flush Mount Part # | Racking Height | Outside Depth | When mounting TOR-3-20RP or TOR-4-20RP between 2x4 studs, order the partial recess trim kit to finish the installation. | Part # |
|----------------------|--------------------|-----------------|---------------|---|---------|
| TOR-2-20SP | TOR-2-20RP | 89mm (2 space) | 113mm | | TOR-PRT |
| TOR-3-20SP | TOR-3-20RP | 133mm (3 space) | 157mm | | |
| TOR-4-20SP | TOR-4-20RP | 178mm (4 space) | 202mm | | |



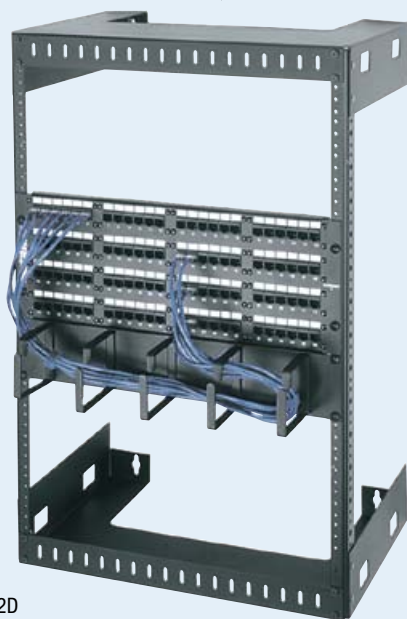


SWR Series Shallow Wall Rack & SBX Series Wall Mount Cabinet

Spec. #
96-210
for full
product
info.



EIA/TIA Compliant



WM-15-18
shown with HCM-2D
horizontal cable manager

Wall Mount Open Frame Rack

A self-squaring rack for mounting virtually any data or telecommunications component, the wall mount open frame rack is quick and easy to assemble thanks to its self-aligning design.

The WM Series offers an effective method of wall mounting fiber-optic as its fixed design prevents kinking or breaking of glass fibers

- Rugged steel construction
- 10-32 threaded rackrail
- Includes rack screws
- Black textured powder coat finish
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Overall Height | Racking Height | Depth | Weight Capacity |
|----------|----------------|-------------------|-------|-----------------|
| WM-8-12 | 451mm | 356mm (8 Space) | 305mm | 90 kg |
| WM-8-18 | 451mm | 356mm (8 Space) | 457mm | 68 kg |
| WM-15-12 | 762mm | 667mm (15 Space) | 305mm | 90 kg |
| WM-15-18 | 762mm | 667mm (15 Space) | 457mm | 68 kg |
| WM-30-12 | 1429mm | 1334mm (30 Space) | 305mm | 79 kg |
| WM-30-18 | 1429mm | 1334mm (30 Space) | 457mm | 57 kg |

Spec. #
96-220
for full
product
info.

EIA/TIA Compliant



SPM-4

Versa-Rack Sideways Equipment Mount

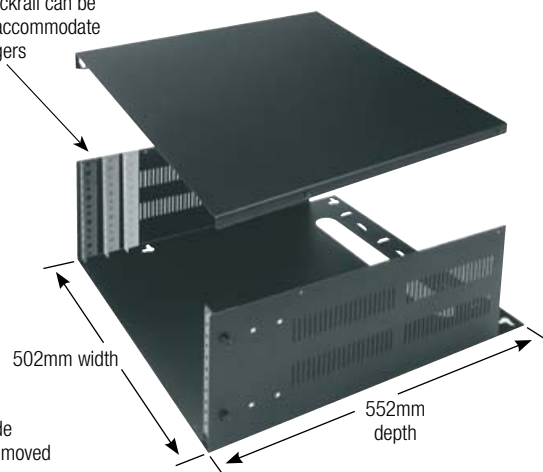
Mount network components flat against the wall with this innovative all-steel sideways panel mount.

Versa-Racks can also be used to mount components under tables and desks for commercial and classroom use. Each model features a single pair of high quality heavy-gauge, 10-32 threaded rackrail that can be positioned in 3 locations to accommodate D-Ring cable managers. The low-profile sideways panel mount is equipped with cable lacing points at the rear and includes a steel cover to protect and conceal equipment. Includes rack screws.

- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Racking Height | Weight Capacity |
|--------|-----------------|-----------------|
| SPM-2 | 89mm (2 Space) | 23 kg |
| SPM-4 | 178mm (4 Space) | 18 kg |

3 position rackrail can be set back to accommodate cable managers



SPM-4
shown on side
with cover removed



Swing Frame Rack

Specify an SFR when mounting patch panels, hubs and switches in a secure room or closet.

Innovative open-back wall mount design allows swing frame rack to be mounted over existing equipment and physical obstacles (conduit, telephone equipment, etc.)

- Rugged 45 kg weight capacity, afforded by 1,6mm steel construction, provides the greatest strength in its class
- Open-back design maximizes useable wall space
- Unique, open swing frame design utilizes pivot points instead of hinges and can be inverted to allow opening from the left or the right
- 90° opening with positive stop facilitates punching down of wires while fully open and also minimizes stress on cable loops
- Ships ready-to-assemble to reduce space needed for storage and transport
- Standard heavy-gauge, 10-32 threaded rackrail with marked rackspace increments to speed equipment mounting
- Permanently lubricated bushings with a proprietary pivot prevent sag
- Abundant tie points and cable pass-throughs
- Black powder coat finish
- Includes 50 rack screws and hook and loop cable fasteners
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| 305mm Depth Part # | 457mm Depth Part # | 610mm Depth Part # | Racking Height | Overall Height | Weight Capacity |
|--------------------|--------------------|--------------------|-------------------|----------------|-----------------|
| SFR-12-12 | SFR-12-18 | SFR-12-24 | 533mm (12 Space) | 692mm | 45 kg |
| SFR-20-12 | SFR-20-18 | SFR-20-24 | 889mm (20 Space) | 1048mm | 45 kg |
| — | SFR-25-18 | SFR-25-24 | 1111mm (25 Space) | 1270mm | 45 kg |

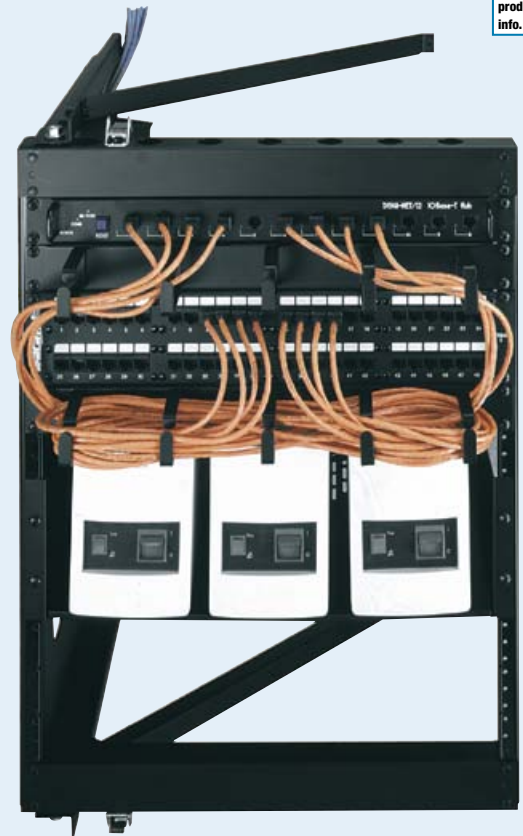
Enhanced compact packaging design



EIA/TIA Compliant

Spec. #
96-984
for full
product
info.

A&E



SFR-12-18

90° opening with positive stop to facilitate punch-down





SWR Series Shallow Wall Rack & SBX Series Wall Mount Cabinet



EIA/TIA Compliant

Spec. #
96-01139
for full
product
info.

A&E



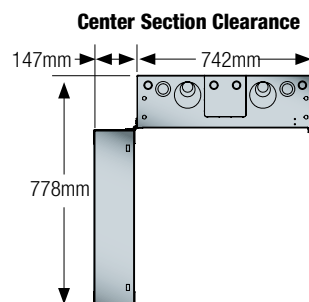
SWR-12-12

SWR Series Shallow Wall Rack

SWR Series shallow sectional wall racks are ideal for wall mounting interconnect panels in stage and performing arts, house of worship, and broadcast applications.

The shallow front section includes adjustable rackrail for mounting 482mm connector panels and shallow shelves, while the generous 177mm deep backpan features conduit entry LKO's top and bottom. This versatile shallow wall rack does double duty as both a connector panel and a generous pull-box that swings the connector panels out of the way during cable pulling. Hinge on left and right allows for mounting side by side and also allows for mounting of non-hinge side to be close to the wall or corner. Available in two racking heights, accepts universal solid, vented, or plexi front doors (see pg. 25).

- Draw latch can be mounted top and bottom to allow mounting cabinets side-by-side
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)



| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width | Weight Capacity |
|-----------|---------------------|----------------|---------------|---------------|---------------|-----------------|
| SWR-12-12 | 533mm (12 Space) | 638mm | 302mm | 318mm | 632mm | 68 kg |
| SWR-16-12 | 711mm (16 Space) | 816mm | 302mm | 318mm | 632mm | 68 kg |



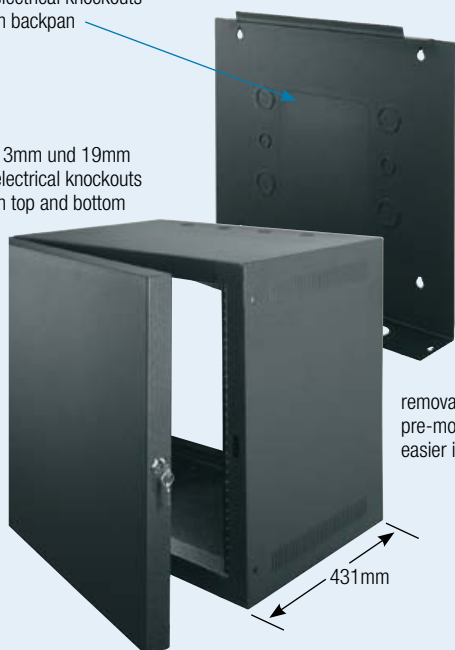
EIA/TIA Compliant

Spec. #
96-068
for full
product
info.

A&E

laser knockout and electrical knockouts in backpan

13mm and 19mm electrical knockouts in top and bottom



removable backpan pre-mounts for easier installation

431mm

SBX-10

rack is easily fastened to backpan with included security screws and driver bit

SBX Series Wall Mount Cabinet

Specify an SBX when seeking an economical solution for wall mounting smaller systems.

- Removable backpan simplifies installation and provides easy access to equipment connections
- Locking front door swings open a full 180° on a virtually indestructible hinge for rugged security and unobtrusive accessibility
- Deep rail-to-door clearance ratio provides flexibility not found in flush-mount door designs
- Standard heavy-gauge, 10-32 threaded rackrail with marked rackspace increments to speed equipment mounting
- Ventilation slots at top & bottom of each side promote passive thermal management
- 13mm and 19mm electrical knockouts at top and bottom, and 25mm and 38mm also on rear to facilitate cable entry
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)

| Part # | Racking Height | Useable Depth | Weight Capacity |
|--------|------------------|---------------|-----------------|
| SBX-7 | 311mm (7 space) | 375mm | 34 kg |
| SBX-10 | 445mm (10 space) | 375mm | 45 kg |

Pivoting Panel Mount

The logical choice for wall mounting patch panels and network equipment, pivoting panel mounts in 152mm, 305mm and 457mm depths and provide easy rear access.

Innovative design with 90° positive stop facilitates punching down while fully open. Featuring abundant tie points for cable management, hook and loop cable fasteners and rugged steel construction, each unit is finished in a durable black powder coat. The 8 space PPM-8-18 has a depth of 457mm to accommodate deeper equipment. Rack screws and hook & loop fasteners included.

Top Covers and Doors

Security top covers and doors completely enclose the PPM for installation in non-secure areas. Available for 305mm and 457mm deep models

| Part # | Security Top Cover Part # | Security Door Part # | Racking Height | Overall Height | Depth | Weight Capacity |
|----------|---------------------------|----------------------|-----------------|----------------|-------|-----------------|
| PPM-2 | — | — | 89mm(2 Space) | 146mm | 152mm | 9 kg |
| PPM-4 | — | — | 178mm (4 Space) | 235mm | 152mm | 9 kg |
| PPM-6 | — | — | 268mm (6 Space) | 324mm | 152mm | 14 kg |
| PPM-6-12 | PPM-LID12 | PPM-D06* | 268mm (6 Space) | 324mm | 305mm | 18 kg |
| PPM-8-12 | PPM-LID12 | PPM-D08* | 356mm (8 Space) | 413mm | 305mm | 27 kg |
| PPM-8-18 | PPM-LID18 | PPM-D08* | 356mm (8 Space) | 413mm | 457mm | 27 kg |

*When using door option, top cover is required

Backless Pivoting Panel Mount

Designed to work over wall obstructions such as conduit or raceways.

- Opens 90° with positive stop to allow for punch down of cables
- 406mm depth, 18kg weight capacity
- 6 rackspace height available
- Security cover and lid available

| Part # | Description |
|-------------|---|
| PPM-6-160B* | 6 space pivoting panel mount, open back, 406mm deep |
| PPM-LID16 | lid, fits 406mm deep PPMs |

*PPM-D06 security door fits 6 space PPMs



PPM-6-160B closed

Hinged Panel Mount

Our HPM Series provides simple and straightforward wall mounting of rackmount components and can also be rackmounted to any 19" open frame rack.

- 152mm deep and steel construction
- Hinged to provide rear access to mounted components
- Finished in a durable black powder coat
- Rack screws & hook & loop fasteners included

| Part # | Racking Height | Part # | Description |
|--------|-----------------|---------|---|
| HPM-1 | 44mm (1 Space) | HPM-LID | top dust cover acts as an equipment shelf |
| HPM-2 | 89mm (2 Space) | | |
| HPM-4 | 178mm (4 Space) | | |
| HPM-6 | 268mm (6 Space) | | |

HPM-LID



Adjustable Depth Hinged Panel Mount

Dual hinged mount provides exceptional rear access to rackmount components

- Simple adjustable depth accommodates components from 229mm – 381mm
- Built-in cable management
- Grounding stud built-in and space indicators marked on rackrail

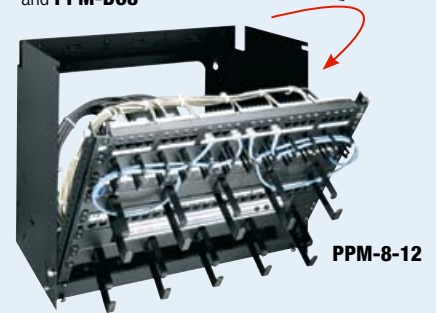
| Part # | Description | Weight Capacity |
|-----------|---|-----------------|
| HPM-4-915 | 4 space, adjustable depth 229mm - 381mm | 7 kg |
| HPM-6-915 | 6 space, adjustable depth 229mm - 381mm | 9 kg |
| HPM-8-915 | 8 space, adjustable depth 229-381mm | 11 kg |



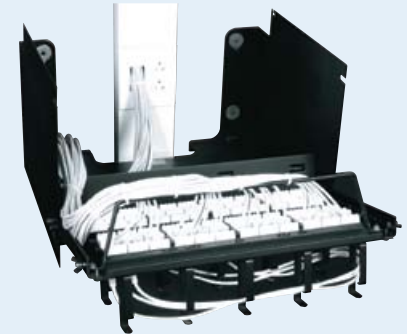
Spec. #
96-0210
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product
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PPM-8-12
with PPM-LID12
and PPM-D08



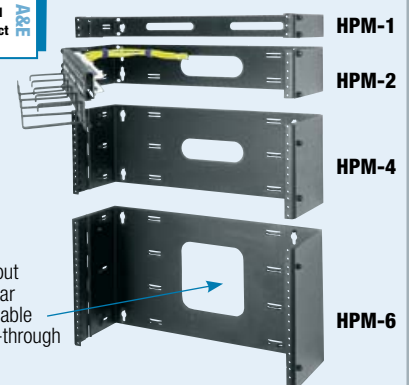
PPM-8-12



PPM-6-160B

Spec. #
96-212
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product
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EIA/TIA Compliant



HPM-1

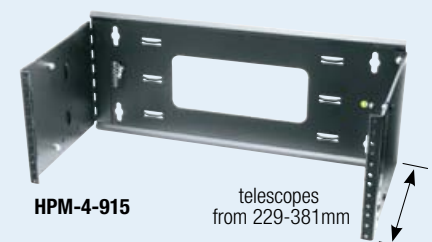
HPM-2

HPM-4

HPM-6

cut out
in rear
for cable
pull-through

EIA/TIA Compliant



HPM-4-915

telescopes
from 229-381mm



R4 Series 4-Post Open Frame Racks - Cage Nut Rackrail



EIA/TIA Compliant



Spec. #
96-01076
for full
product
info.



R412-4524B
with 12-24
threaded rackrail

Mount networking, telephone, VOIP equipment, routers, switches and more with the R4 Series 4-Post Open Frame Rack.

These racks are designed to accommodate deeper, heavier components than a 2-post frame rack.

Structural Features

- Open top accepts direct mounting of optional 152mm, 229mm or 305mm cable ladder (mounts parallel or perpendicular to front of rack)
- Ships flat to save space.
- Includes 100 pcs. of 12-24 threaded mounting hardware.
- Rack gangs to additional 4-post or 2-post open frame racks
- Includes additional, adjustable split rackrail to provide up to three mounting depths
- 6mm aluminum uprights, with a 6mm thick aluminum base
- Flat black powder coat finish

Thermal Management

- Open frame design facilitates unrestricted air flow

Regulatory / Certifications

- Static load capacity - 1134 kg
- UL Listed in the US and Canada. UL Listed load capacity - 363 kg
- GREENGUARD Indoor Air Quality Certified for Children and Schools (the most strict level)



Versatile Rack Base

Base angles may be assembled to the outside for increased stability or inward to save space.



Side braces provide locations to mount additional vertical accessories including cable management, or mounting rails.

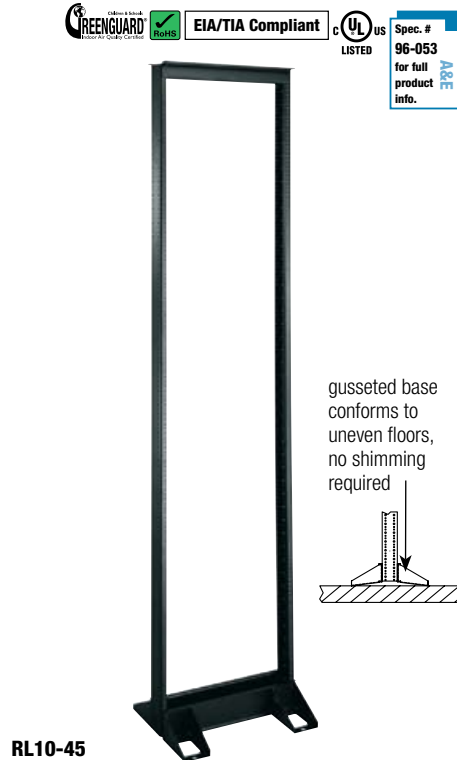


Add side panels to open frame racks to finish installation. See pg. 23.

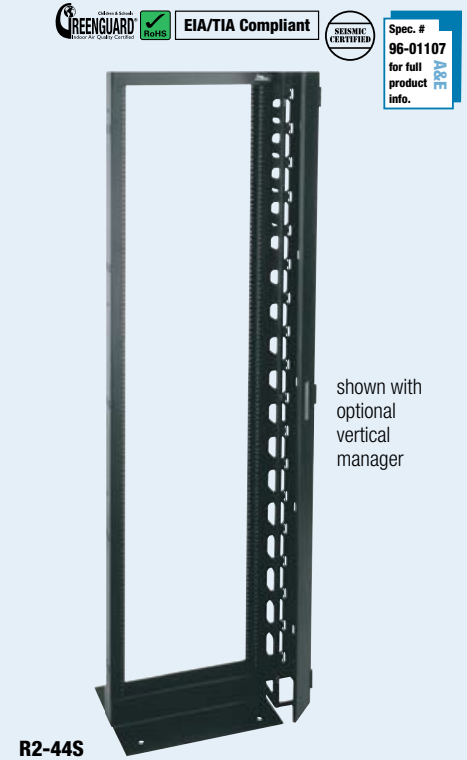
| Part # | Racking Height | Overall Height | Useable Depth | Overall Depth | Overall Width | Side Panels | Add'l 12/24 Threaded Rackrail |
|------------|-------------------|----------------|---------------|---------------|---------------|-------------|-------------------------------|
| R412-3824B | 1689mm (38 Space) | 1835mm | 610mm | 914mm | 521mm | SPN-R4-3824 | R412-RR38 |
| R412-4524B | 2000mm (45 Space) | 2140mm | 610mm | 914mm | 521mm | SPN-R4-4524 | R412-RR45 |
| R412-5124B | 2267mm (51 Space) | 2451mm | 610mm | 914mm | 521mm | SPN-R4-5124 | R412-RR51 |
| R412-3830B | 1689mm (38 Space) | 1835mm | 762mm | 1067mm | 521mm | SPN-R4-3830 | R412-RR38 |
| R412-4530B | 2000mm (45 Space) | 2140mm | 762mm | 1067mm | 521mm | SPN-R4-4530 | R412-RR45 |
| R412-5130B | 2267mm (51 Space) | 2451mm | 762mm | 1067mm | 521mm | SPN-R4-5130 | R412-RR51 |



RLA19-1245



RL10-45



R2-44S

RLA Series Aluminum 2-Post

The industry standard RLA series 2-post open frame rack incorporates a 381mm deep heavy-duty aluminum base and includes holes so that the rack can be secured to the floor.

- 12-24 threaded front and rear, with numbered rackspace increments
- Channels constructed from 5mm aluminum
- Available in silver brushed aluminum or black powder coat finish
- Includes 50 rack screws
- Static load capacity - 726kg when properly loaded and anchored
- UL Listed in the US and Canada. UL Listed load capacity - 181 kg

| Part #* | Racking Height | Overall Height |
|-------------|-------------------|----------------|
| RLA19-1251B | 2273mm (51 Space) | 2442mm |
| RLA19-1245 | 2000mm (45 Space) | 2135mm |
| RLA19-1245B | 2000mm (45 Space) | 2135mm |

| Part #* | Panel Width | Finish |
|-------------|-------------|--------|
| RLA19-1251B | 482mm | black |
| RLA19-1245 | 482mm | silver |
| RLA19-1245B | 482mm | black |

RL Series Steel 2-Post

RL series 482mm 2-post open frame racks incorporate a self-squaring, self-leveling design for easy assembly. Top rails accommodate standard cable ladders.

- Threaded 10-32 or 12-24, with numbered rackspace increments
- Channels constructed from 2,3mm gauge steel to provide extra strength
- Finished in a black powder coat
- Includes 50 rack screws
- Static load capacity – 726 kg when properly loaded and anchored
- UL Listed in the US and Canada. UL Listed load capacity – 181 kg

| Part # | Racking Height | Overall Height | Thread Size |
|---------|-------------------|----------------|-------------|
| RL10-45 | 2000mm (45 Space) | 2135mm | 10-32 |
| RL10-38 | 1689mm (38 Space) | 1829mm | 10-32 |
| RL12-45 | 2000mm (45 Space) | 2135mm | 12-24 |

The CSB cantilever support base adds stability to RL Series Steel 2-Post Racks. The CSB is especially helpful for installations when cantilever shelves are used to mount heavy equipment and the center-of-gravity is shifted to the rear of the rack. Black powder coat finish.



Part # CSB

R2-44S Seismic 2-Post

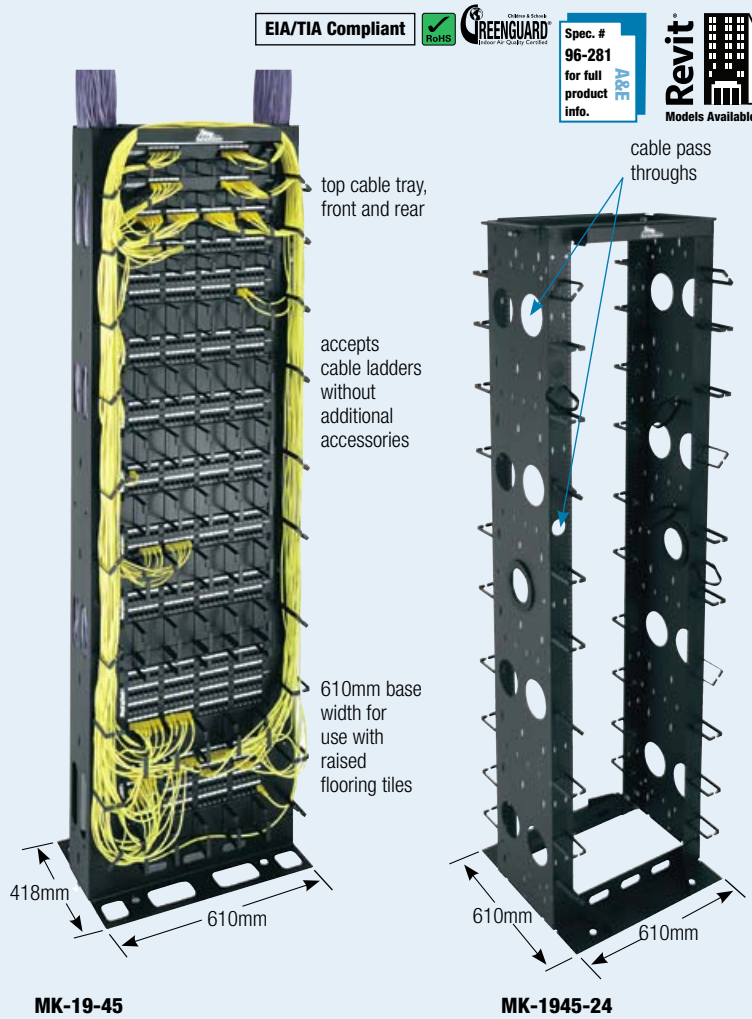
The R2-44S Seismic 2-post open frame rack incorporates a heavy duty 10mm thick steel base that provides additional structural integrity to the steel frame. Top pattern accepts a variety of cable ladders with no additional adapter required. Ships assembled and ready to install.

- 10-32 threaded front and rear, with numbered rackspace increments
- Channels constructed from 2,3mm steel to provide extra strength
- Finish in a black powder coat
- Includes 50 rack screws
- Seismic Certified capacity 386 kg

| Part # | Racking Height | Overall Height |
|--------|-------------------|----------------|
| R2-44S | 1956mm (44 space) | 2135mm |



2-Post Cable Management Racks – 10-32 Threaded Rackrail



Employs an innovative design that incorporates captive fasteners to provide quick assembly times, eliminating loose bolts.

Features and Benefits

- Unique indexed swiveling front-mount cable rings
- 152mm and 356mm deep channels for massive cable bundles
- Integral top cable ladders and cable trays in the front and rear
- 10-32 threaded front and rear rail
- Hook and loop fasteners and front cable feed-through hole plugs included for simplified cable management
- Includes 100 rack screws

Technical Specification

- 227 kg or 363 kg weight capacity depending on mounting method
- Steel construction with durable black powder coat finish

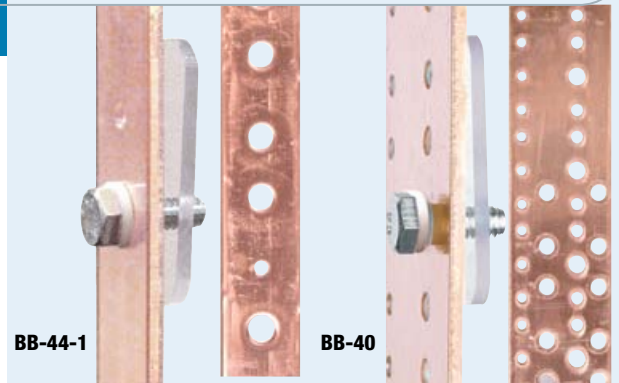
| Part # | Racking Height | Overall Height | Overall Depth | Mounting Channel Depth | Width |
|------------|----------------|----------------|---------------|------------------------|-------|
| MK-19-45 | 45 space | 2140mm | 418mm | 162mm | 610mm |
| MK-1945-24 | 45 space | 2140mm | 610mm | 356mm | 610mm |



Copper Buss Bars

Copper buss bars are 3mm thick and threaded 10-32. Various heights and widths available. Supplied mounting hardware includes nylon isolation washers, bolts & nuts.

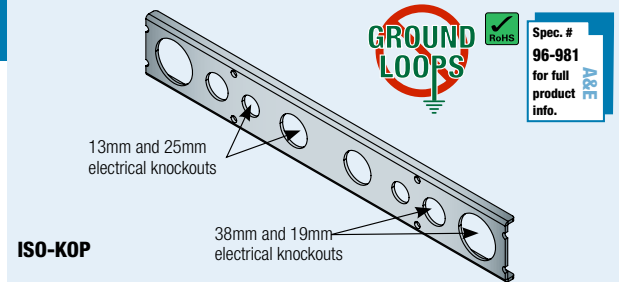
| Part # | Racking Height | Width | Qty |
|-----------|-------------------|-------|-------|
| BB-5254-1 | 2007mm | 25mm | 1 bar |
| BB-44-1 | 1956mm (44 Space) | 25mm | 1 bar |
| BB-40 | 1778mm (40 Space) | 51mm | 1 bar |
| BB-12 | 533mm (12 Space) | 51mm | 1 bar |



Electrical Isolation Knockout Panel

The Electrical Isolation Knockout Panel is ideal for installations that require electrical conduit to be isolated from the enclosure. Replaces the standard rear electrical knockout plates. Constructed from 3mm thick non-conductive polycarbonate. Hardware included.

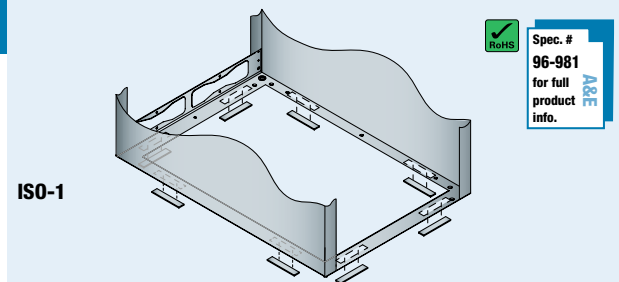
| Part # | Fits |
|---------|--|
| ISO-KOP | top or bottom of MRK, WRK, DRK, ERK and SCRK Series enclosures; bottom of 60° SC and SCQ Series consoles |



Rack Ground Isolation Kit

Isolate the rack from conductive flooring materials when installing in an isolated (technical) ground environment. The Rack Ground Isolation Kit consists of eight 102mm long strips of 3mm thick non-conductive polycarbonate which are attached to the rack base with included self adhesive tape and prevent floor contact.

| Part # |
|--------|
| ISO-1 |



Leveling Feet

Adjustable leveling feet fit all Middle Atlantic Products floor standing steel racks and enclosures (excludes VRK and BGR Series). Isolation Leveling Feet feature protective rubber cover to isolate racks from the floor. Flat-blade and hex drive allows for adjustment. Also used with caster bases for MRK, WRK and DRK Series racks. Set of four. NOTE: Raises enclosure from 3mm to 5mm off floor.

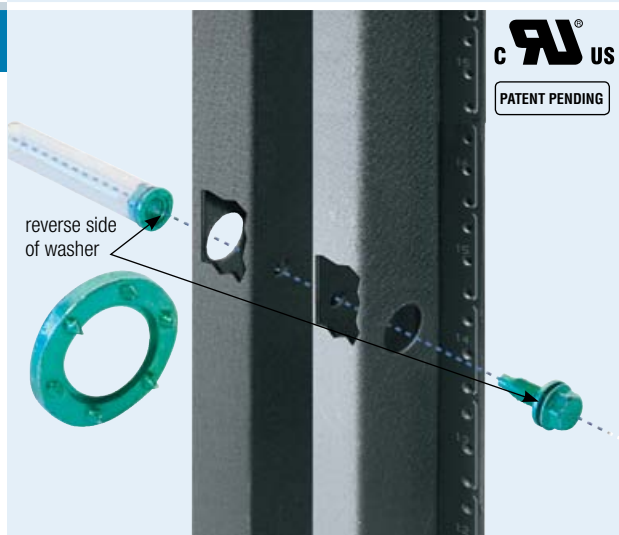
| Part # | Description | Part # | Description |
|--------|---------------|--------|-------------------------|
| LF | leveling feet | LF-ISO | isolation leveling feet |



Spike: Bonding/Ganging Hardware

- Eliminate bonding wires run between racks, while providing lowest impedance ground possible
- Self-piercing at bonding points – no need to remove paint
- Displaces paint without compromising the corrosion protection of the painted surface, eliminating the need for anti-oxidizing protection products required by other bonding methods
- Handy installation tool provided to ensure ease of installation & proper torquing

| Part # | Description |
|----------|---|
| BOND-G24 | 24 sets, 1 installation tool, 4 sets recommended per rack |





Technical Furniture



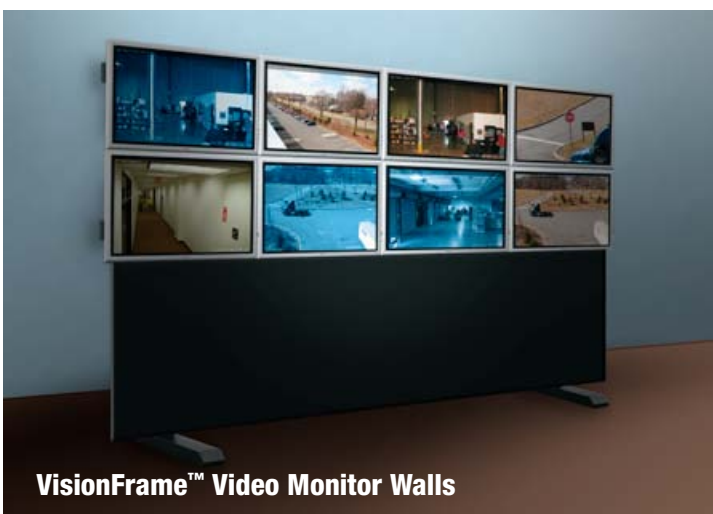
Complete installations, in addition to the equipment itself, may require workspaces where human staff can control, monitor, or otherwise interact with the installed system. For these situations, Middle Atlantic offers a selection of technical furniture that, unlike standard office furniture, incorporates specific technical features or capabilities that support a professional installation in a commercial application.

For example, the ViewPoint™ console line is specifically designed to include installed rackmounted components and heavy interconnecting cabling. As another example, C5 Series Credenza Racks combine all the advantages of a rack system with the external appearance of furniture so that equipment can be installed in a conference room without looking out of place. Take note of the relevant certifications indicated on each product page as an additional assurance of the quality of these offerings.

Please see the product groupings listed on the facing page. If you need help, please call our technical support group for assistance.



ViewPoint™ Consoles



VisionFrame™ Video Monitor Walls



LCD Monitoring/Command Desks



Edit Center™ Studio Furniture



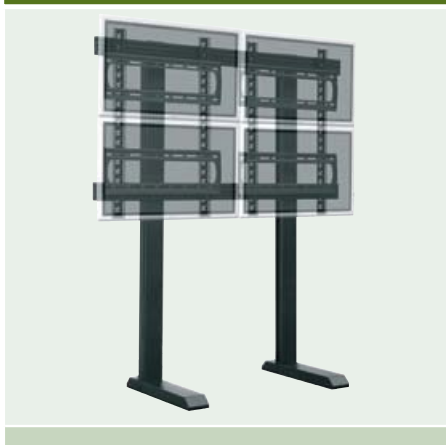
ViewPoint™ Monitoring Console System

64 - 68



VisionFrame™ Video Monitor Wall

68



Middle Atlantic Designer™ Software

69



LCD Monitoring/Command Desk

70-71



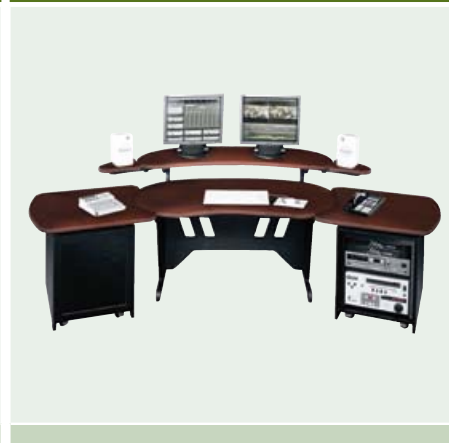
Monitoring Consoles and SCRK/SQRK Series

72-73



Edit Center™ Multimedia Studio Furniture

74-75



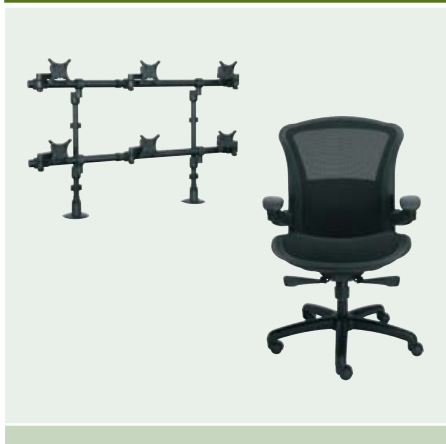
MultiDesk Video™ Multimedia Studio Furniture

76-77



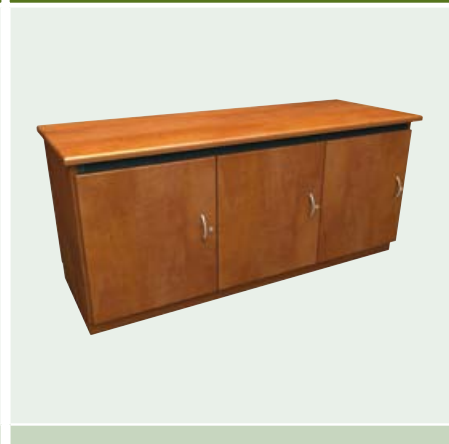
Multimedia Furniture Accessories

77



C5 Series Credenza Racks

78-79





ViewPoint™ Monitoring Console System

TECHNICAL FURNITURE

Serious Furniture for Mission Critical Installations



- Consoles are optimized for flexible flat screen arrangements and ergonomically designed with the user in mind
- Equally suited for small surveillance applications to large scale command and control environments
- Modular design allows almost limitless configuration choices
- You can design your workspace for straight, curved, or even serpentine layouts. We can help you plan your room!
- Easy to plan and specify using free Designer™ Layout Software (available on middleatlantic.com)



EIA/TIA Compliant



Spec. #
96-01132
for full
product
info.



Exceptional Reliability from the Equipment Mounting Experts

Middle Atlantic has been an expert supplier of equipment racks and mounting systems for decades. That expertise is built in to every ViewPoint system to support Mission Critical installation reliability:

- Console bays are rugged, fully welded steel construction
- Engineered for fast assembly and effective equipment cooling
- Built-in cable management functions
- Mission Critical qualifications include:
 - Seismic Certified to IBC, UBC, CBC, and NFPA Codes and Standards
 - UL Listed in the US and Canada for strength and stability
 - ANSI/BIFMA Compliant for strength and stability
 - GREENGUARD Children and Schools™ Certified for indoor environmental air quality (Stricter certification criteria than standard GREENGUARD rating - helps qualify for LEED credits)

Free Design Software - see pg. 85



Middle Atlantic
Designer™
3D Layout Software



Standard Work Surface Finishes



shown with 864mm
deep desktop to
maximize work
surface area

Side Panel Styles



Several end panel styles are available, please
contact us for details.



shown with bay extender for
rackmounting deep equipment



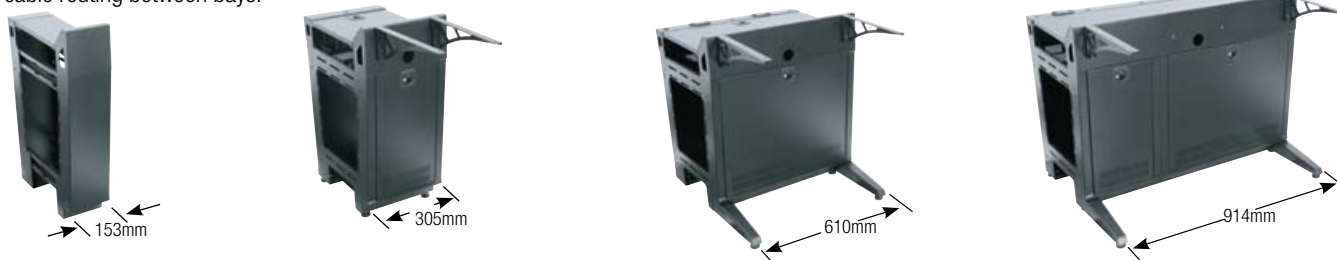
shown with 457mm console work
surface to provide for top access
to equipment and cabling



ViewPoint™ Monitoring Console System

Straight Bays

Bays are pre-assembled and fully welded, and come in standard widths of 305mm, 610mm, 914mm, 1219mm and 1829mm for mounting equipment and providing workspace. Additionally 152mm and 305mm units are also available to adjust overall widths and provide cable routing between bays.



Features

Lockable & Removeable Front & Rear Access Panels



Lockable front and rear access panels can be hinged and/or lifted off easily, even while close to a wall, providing easy access to equipment and connections.

One of the rear access panels in 914mm, 1219mm and 1829mm bays includes brush grommet for entry and exit of large cable bundles.

Relocatable Steel-Reinforced Cable Ducts



Each bay includes relocatable steel-reinforced cable ducts which allow contiguous cabling support for the entire console width.

Cable management system with grommets and multiple tie points keep internal and external cabling organized and optimized for serviceability.

Options

| Storage Cabinet & Peninsula | File Cabinets | Desktop Turrets | Wedges | Slide-Out Tray System |
|--|--|--|--|---|
|  |  |  |  |  |
| <p>Available storage cabinet provides ideal location for storing papers, binders and supplies comes standard with twin glass doors, which can be mounted in any of 4 positions on the cabinet, allowing multiple operator access as needed.</p> <p>Peninsula adds to work surface area and provides separation of operators.</p> | <p>File cabinet rolls beneath work surface and includes casters and locking drawers to allow file cabinet to be easily switched out during shift changes.</p> <p>Unit includes 3 drawers - One drawer fits hanging files (letter size) while the other two can be used for misc. items. Includes a 5th wheel to minimize tip hazard.</p> | <p>4 space, 6 space and 9 space turret racks can be mounted behind 457mm work surfaces to hold equipment where it can be easily manipulated. Call us for information about custom turrets for 864mm deep desktops.</p> <p>Monitor mounts can attach to the rear beam behind turrets.</p> | <p>Standard wedges are fully welded for quick installation, available in 15°, 22-1/2°, 30°, 45° and 90° angles to create concave ergonomic work spaces.</p> <p>Reverse angle standard wedges are also available in 15°, 22-1/2°, and 30° angles, to create convex or serpentine layouts.</p> | <p>Slide out tray system for mounting PC towers under counter top can be mounted to slide from the front or back of console bay.</p> <p>PC towers can also be placed in bay section on standard internal base provided.</p> |



Free Design Software - see pg. 69



Middle Atlantic
Designer™
3D Layout Software

457mm Work Surface

457mm work surface allows easy top access to the upper cable management channels and is an ideal solution when operator may need to make some adjustments to wiring, etc., or when back of console is close to wall or rear access is limited. Field height configurable to 3 positions – 718mm, 740mm and 762mm accepts turrets.

864mm Desktop

864mm desktop provides more workspace for viewing larger documents when top access is not required, but does not allow top access to wiring compartment. System must be designed within the room to allow sufficient space for rear access to installed equipment, wiring, etc., standard height of 762mm.

Optional Rail Kits

The optional top rail kit enables vertical mounting of UPS or similar equipment. The optional front rail kit can be added to any full width bay and allows rackmounting of components near the workspace.

Bay Extenders

Versatile 457mm and 610mm extender cabinets integrate seamlessly with system, are ideal for mounting deep DVR's, NVR's and servers and include either a plexi or vented front door (provides 376mm & 991mm rackmount useable depths).

Articulating Keyboard Shelf

Provides a generous 787mm width adequate for keyboard & mouse. Combines infinite height adjustments with simple wrist movement. Attractive laminate finish matches Console System.

Rear Fan Exhaust Door

(2,8m³/min) fan door provides thermostatically controlled cooling, with super quiet 27dB at full speed.

Task Light

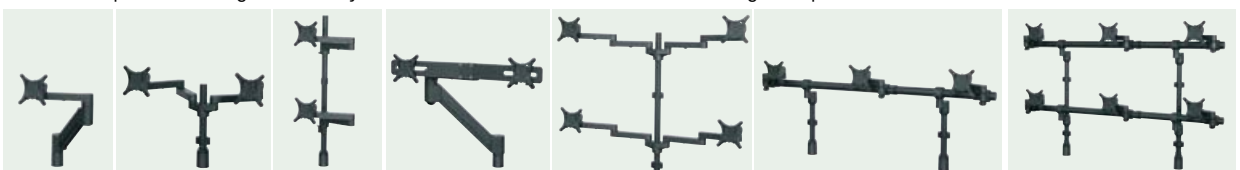
Long reach task light can be placed in multiple locations, to permit lighting of printed material where needed.



For
multimedia
furniture
accessories,
see pg. 77

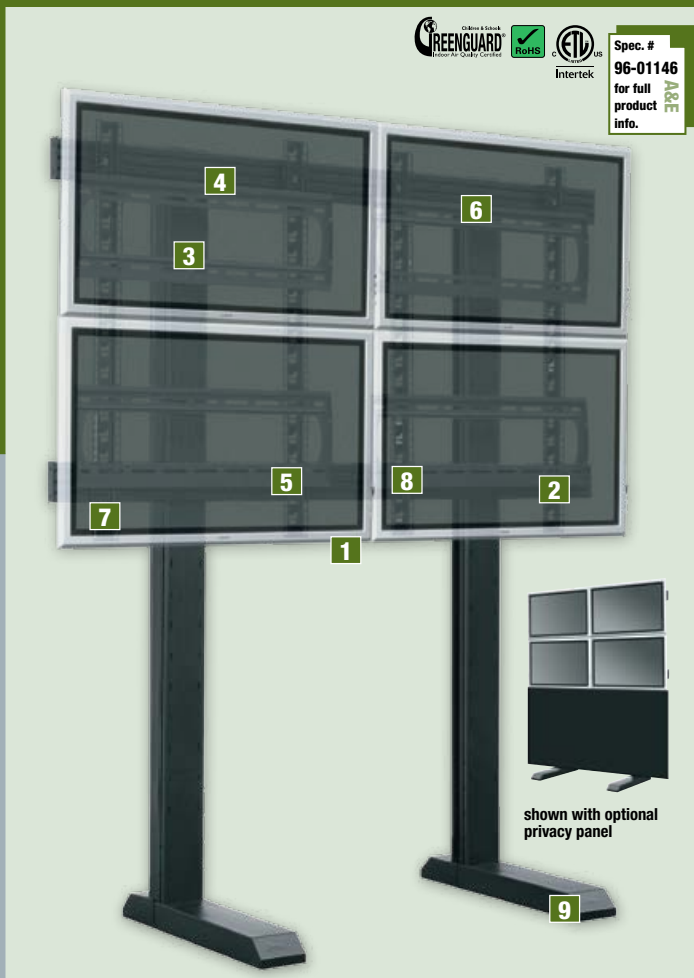
Monitor Mounts

Extensive selection for optimal viewing. Mount any LCD with VESA 75 or VESA 100 mounting hole patterns.



| Part # | VC-MM1X1 | VC-MM2X1 | VC-MM1X2 | VC-MM1X2PL | VC-MM2X2 | VC-MM3X1D | VC-MM3X2D |
|-----------------|-------------------|-----------------|---------------|---------------------------------------|-----------------------------------|------------------------|---|
| Configurations | 1X1, articulating | 2X1, horizontal | 1X2, vertical | 1X2, articulating, landscape/portrait | 2X2, quad, two across, two levels | 3X1, triple horizontal | 3X2, triple horizontal, across two levels |
| Weight Capacity | 5-13 kg | 23 kg | 23 kg | 19 kg | 40 kg | 34 kg | 68 kg |

Robust Video Monitor Support System Application Engineered for Unparalleled Monitor Support



- Assembles quickly and easily
- Integral cable management channels
- Designed to meet the specific needs of each installation
- Accepts 10" – 80" monitors

- Walls can be designed up to 397cm high, in any width
- Freestanding and desk mount models available
- Power strips mount directly to the frame
- ETL Listed in the US and Canada for strength and stability

ViewPoint™ Free Standing Storage Cabinet

NEW!



New storage cabinet matches appearance and style of the ViewPoint™ system to provide additional storage space.

- Provides storage for supplies and personal items in the working environment
- Matches the workstation colors and style for unified appearance
- Comes fully assembled for fast installation
- Includes two adjustable shelves and smoked glass doors

Part

VC-C3624-GDFS-xx

*Replace 'xx' with DS = Darkstone, GS = Graystone, PS = Pepperstone, SG = Shark Gray, WG = Wenge, DC = Dark Cherry, DP = Dark Pecan, AG = Aged Cherry, HM = Honey Maple, LW = Light Walnut, MP = Maple.

VisionFrame™ Vertical Panel Mount

- Quickly and easily mounts rackmount components to the back of monitor walls
- Use for UPS, Codecs, power supplies and other rackmount equipment
- Saves rackspace by locating suitable components on monitor walls
- Does not increase depth of wall system

Part

VF-VPM-3

VisionFrame™ Vertical Multi-Mount Panel

- Quickly and easily mounts HDMI extenders, video switchers and other small components to the back of monitor walls
- Saves space in local racks
- Allows for easy servicing/cabling changes

Part

VF-MPV



NEW!

TECHNICAL FURNITURE

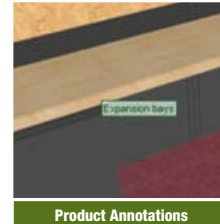
It Doesn't Get Easier Than This

Designer is the easy, free 3D layout and specification package that is leading the industry in Consoles, Video Walls, and Room Layouts. If you are already using Designer, the new update will happen automatically when it is available. If you are a new user, this new version is ready for download and use.

The Designer software lets you lay out a room in minutes, and does the hard work for you, creating a dynamic 3D image, specification document and retail quotation at the same time. This new release is the best ever, and includes many improvements, including:

Product Additions

- C5 Series Rack Credenzas and new options
- MRK Series NVR and DVR configured racks
- ViewPoint™ Console Systems
 - Large format monitor mount system
 - Freestanding, matching storage cabinet
 - 6 space turrets
 - Power strips for consoles
 - New chairs (including a no-cost customer supplied chair)
 - Improved monitor mounting locations
 - Angled 'low-profile' Single and dual monitors
- UPS-1000R for use in the console (top mount only), racks & credenza



Product Annotations



Line of Sight Tool

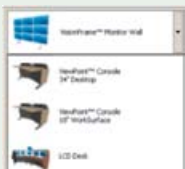

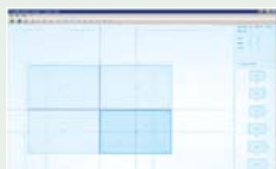

Functionality Improvements

- Ability to type in dimensions of Room elements (Windows, Walls, etc.)
- Addition of 'Riser' element
- Ability to switch between English and Metric dimensions
- Easier to read dimensions – with the ability to 'turn off' the dimensioning on individual items to improve clarity
- Addition of MAP Canada to specifications
- A standing and sitting woman have been added




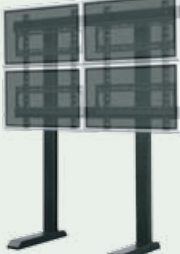


How To Design a Video Monitor Wall Using Middle Atlantic Designer™ Software

Use our free Middle Atlantic Designer™ 3D Layout Software to quickly design and specify your wall:

| Step 1 | Step 2 | Step 3 | Step 4 |
|---|---|--|---|
|  |  |  |  |
| Select VisionFrame Monitor Wall Category. | Double-click on the Monitor Wall. | Drag over the monitors. | Click on the green arrow to put the wall in the drawing. |

Fast Installation Matches Your Design Layout

| | | | |
|---|---|--|---|
|  |  |  |  |
| Columns come with feet installed, ready for placement at install site. | Beams hook on sturdy cleats and have preinstalled fastening points. | Mount subassemblies match specified design, ready to hang. | Monitors are quickly installed and ready for cable routing. |



LCD Monitoring/Command Desk

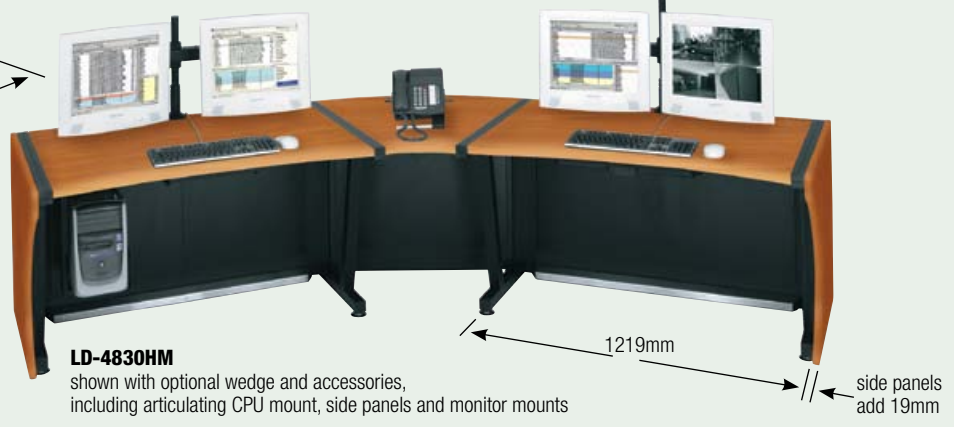
TECHNICAL FURNITURE

Equally suited for small surveillance applications to large-scale network based command and control environments, LCD Monitoring Desks are optimized for flat screens and ergonomically designed with the user in mind.

Spec. #
96-01006
for full
product
info.

A&E

Ships from stock



Structural Features

- Modular design for flexible configuration options and economical additions
- Low profile light bridge (optional) allows better line of sight to video monitor walls
- Connecting wedges available in 45° and 90° for versatile monitoring setups
- 1219mm and 1625mm widths available
- Small footprint (813mm deep) ideal for compact rooms
- Available in attractive dark cherry, honey maple, pepperstone (top) and slate (side panels) finishes
- Add-A-Bay™ models allow for economical expansion (cannot be used alone - must attach to the right hand side of an existing desk unit)
- Half-height and full-height side panels available
- A full complement of accessories available to finish any installation

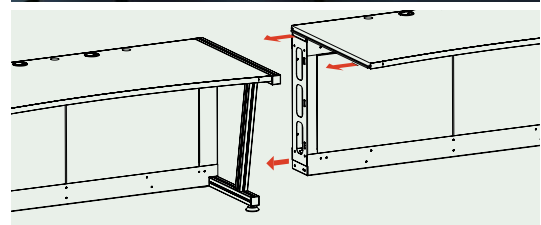
Cable Management

- Power distribution and cable management cabinet features integral front and rear doors for convenient access

Time Savings

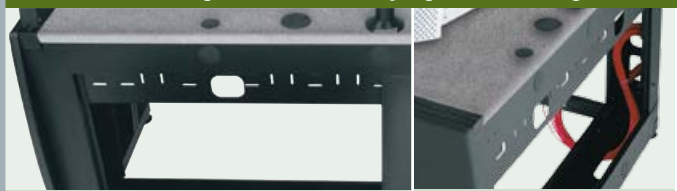
- Assembles in minutes

Articulating LCD mounts provide flexible monitor placement, including enhanced line-of-sight viewing



Add-A-Bay models allow for economical expansion.

Cable management cabinet neatly organizes all wiring



Abundant cable tie points & cable trough. Removable front & rear panels conceal & protect all wiring.

Cable pass-through for multi-bay installation & conduit entry.

| Part # | Overall Width | Light Bridge | Add-A-Bay Model | Light Bridge Add-A-Bay | Standard Side Panels (Pair) | Full Height Side Panels (Pair) |
|----------|---------------|--------------|-----------------|------------------------|-----------------------------|--------------------------------|
| LD-4830* | 48" | LD-L48 | LD-4830*-RA | LD-L48RA | LD-SP30-* | LD-PSP30-* |
| LD-6430* | 64" | LD-L64 | LD-6430*-RA | LD-L64RA | LD-SP30-* | LD-PSP30-* |

* When ordering, suffix part number with designation for desired finish (DC = dark cherry, HM = honey maple, PS = pepperstone (top), SL = slate (side panels only))



Accessories

LD Monitoring Desk Side Rack



LD-1230HM

This 12 space side rack is available in matching finishes and attaches to the right side of LCD Monitoring Desks and Add-A-Bays. Rear door, smoked plexi front door, and locking casters standard. Features pass-throughs for cable management between rack and desk.

| Part # | Description |
|----------|---------------------------------|
| LD-1230* | single bay (12 space) side rack |

NOTE: to mount LD-1230* to a wedge requires an additional hardware kit LD-WK- please call +973-839-1011 for details

CPU Mounts



D-CPU



D-CPU



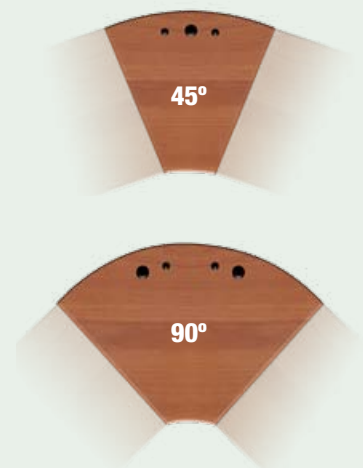
LD-QCPUT-DC

Available as an articulating under-desk mount or as an isolation rack with gasketed doors, sound isolation materials, fan & work surface.

| Part # | Description |
|--------|--------------|
| D-CPU | articulating |

| Part # | Description |
|-----------|----------------|
| LD-QCPUT* | isolation rack |

Wedges



NOTE: to mount LD-1230* to a wedge requires an additional hardware kit LD-WK- please call +973-839-1011 for details

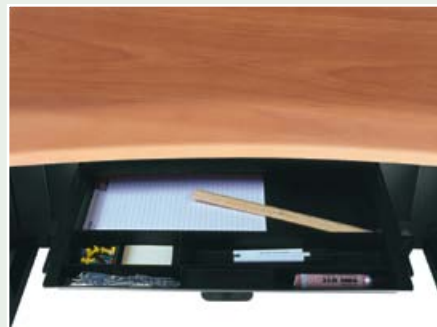
| With Cable Mgmt. Cabinet | Without Cable Mgmt. Cabinet | Angle |
|--------------------------|-----------------------------|-------|
| LD-W4530* | LD-WTT45* | 45° |
| LD-W9030* | — | 90° |

* When ordering, suffix part # with designation for desired finish (DC = dark cherry, HM = honey maple, PS = pepperstone)

Pencil Tray



D-PT15



D-PT22

Mounts under desk and provides convenient storage for office supplies.

| Part # | Description |
|--------|------------------------|
| D-PT15 | 381mm wide pencil tray |

| Part # | Description |
|--------|------------------------|
| D-PT22 | 559mm wide pencil tray |

Keyboard Shelf



LD-KBTPS

Articulating shelf provides full adjustability, includes wrist-rest.

| Part # |
|---------|
| LD-KBT* |

Free Design Software - see pg. 69



Middle Atlantic
Designer
3D Layout Software

Standard Finishes - please call for others

| | | | |
|----------------------|----------------------|---------------------------------|-----------------------------------|
| | | | |
| DC Dark Cherry | HM Honey Maple | DC Pepperstone (top only) | SL Slate (side panels only) |



For monitor mount options
see pg. 77



High Security Monitoring Consoles

Steel Welded Consoles Ship from Stock

Structural Features

- Heavy-duty 1,44 mm-gauge fully welded construction provides a 680 kg weight capacity per bay
- Unique 'zero-space' wedge allows consoles to connect corner-to-corner, requiring no additional space
- Front and rear rackrail standard
- Innovative slide out and rotating equipment rack available, provides convenient rear access to equipment connections
- Pre-installed leveling feet provide height adjustment
- Available in a durable textured black powder coat finish

Code Compliance

- Details see www.middleatlantic.com
- Base console UL Listed in the US and Canada



EIA/TIA Compliant



The Convective Series™



Monitoring consoles provide advanced functionality at a competitive price and have been engineered to provide natural, convective cooling to extend equipment life and reduce maintenance.

Thermal Management

- Keylocked lift-off side panels and rear doors feature engineered ventilation locations to facilitate convective cooling

The Quiet-Cool Series™



Monitoring consoles ideal for use in isolating noise created by DVRs, hard drive arrays and other equipment, which can have detrimental effects on the operator's attention and critical decision making ability. Engineered active thermal management ensures equipment stays cool, extending equipment life and reducing maintenance requirements.

Thermal Management

- Keylocked lift-off solid side panels help manage airflow, and includes acoustic dampening material for sound isolation
- Standard gasketed front and rear doors provide sound isolation from noisy equipment, ensure effective thermal management, and feature a 3-point lock for security

For full ordering info, please visit www.middleatlantic.com/sec/orderGuide.htm



The SCRK/SCQRK Series 19" enclosures complement Quiet-Cool Series™ and Convective Series™ Monitoring Consoles. Available in full height and short versions, these enclosures can be used stand-alone or ganged to a console bay. (Quiet-Cool Series only available in short version)

Structural Features

- Fully welded construction, combined with 1,59mm-gauge steel tops, bottoms, and sides, provides a 1134 kg weight capacity
- Locking rear door standard for additional security. SCQRK Series also includes locking gasketed solid front door
- Available with innovative slide out and rotating rack bay which provides convenient rear access to equipment connections
- Standard front and rear adjustable 11-gauge, 10-32 threaded rackrail with numbered rackspace increments to speed equipment mounting
- Pre-installed leveling feet allow height adjustment
- Available in a durable textured black powder coat finish

Thermal Management

- SCQRK features gasketed front and rear doors, acoustic dampening material and fans for active thermal management
- Front and side ventilation locations on SCRK optimize passive convection
- Configurable open top on 44 space SCRK comes with standard vented top for passive thermal management, additional top options available

Cable Management

- Laser knockouts for cable pass-through & ganging, aligns with all SCRK/SCQRK consoles
- 13mm, 16mm, 19mm, 25mm and 38mm electrical knockouts found on removable split rear plates, top knockout plate additionally includes 13mm 'D' UHF/VHF antenna knockouts
- Multiple lacing points and slotted rail brackets add cable management convenience to SCRK/SCQRKs
- Removable rear plates allow cable bundles to be easily passed over or under the standard key-locking rear door

Code Compliance

- Details see www.middleatlantic.com
- UL Listed in the US and Canada

| SCRK Convective Series Enclosures | | | | | |
|-----------------------------------|-------------------|----------------|--------------------------------------|-----------------|---------------|
| Part # | Racking Height | Overall Height | Includes Slide Out Rotating Rack Bay | Weight Capacity | Useable Depth |
| SCRK-1327BK | 578mm (13 Space) | 705mm | no | 1134 kg | 610mm |
| SCRK-1327BK-S | 578mm (13 Space) | 705mm | yes** | 90 kg | 584mm |
| SCRK-4427BK | 1956mm (44 Space) | 2080mm | no | 1134 kg | 610mm |

| SCQRK Quiet-Cool Series Enclosures | | | | | |
|------------------------------------|------------------|----------------|--------------------------------------|-----------------|---------------|
| Part # | Racking Height | Overall Height | Includes Slide Out Rotating Rack Bay | Weight Capacity | Useable Depth |
| SCQRK-1327BK | 578mm (13 space) | 705mm | no | 1134 kg | 610mm |
| SCQRK-1327BK-S | 489mm (11 space) | 705mm | yes** | 90 kg | 584mm |

**Models w/ slide out rotating rack bay include factory-installed foot-rests

Spec. #
96-993
for full
product
info.
A/E

(SCRK)

Spec. #
96-995
for full
product
info.
A/E

(SCQRK)



EIA/TIA Compliant



SCRK-4427BK



SCQRK-442BK
shown ganged
to console bays
with custom top option

For SCRK/SCQRK Series enclosure options, please visit www.middleatlantic.com/sec/scrk_Opt.htm



Edit Center™ Multimedia Studio Furniture

TECHNICAL FURNITURE

Application designed studio furniture is equally suited for all editing environments including post production editing suites, corporate video production rooms, campus learning labs and broadcast production facilities.



Two pivoting speaker platforms allow the placement of audio monitors at the optimum listening angle and are standard equipment on all Edit Center overbridges.



Two overbridge styles available to optimize your system: one features two 4 space rack bays angled for direct viewing, while the other features an open span underneath.

Edit CENTER™

Ships from stock



Matching contours on desktops and side bay racks allow for optimum positioning of computers and rackmount processing equipment.



Standard finishes please call for others

Honey Maple

Dark Cherry

Pepperstone



EIA/TIA Compliant

Desk Only



ES-HM



ESUR-HM



EL-HM



ELUR-HM

| Part # | Description |
|--------|--|
| ES* | 1524mm desk, includes overbridge |
| ESUR* | 1524mm desk, includes overbridge with (2) 4 space rackbays |
| EL* | 2134mm desk, includes overbridge |
| ELUR* | 2134mm desk, includes overbridge with (2) 4 space rackbays |

* When ordering, suffix part number with designation for desired top (-DC = dark cherry, -HM = honey maple, PS = pepperstone)

Desk + Side Bay Racks



ES+S12D-HM



ESUR+S12D-HM



ELUR+S12D-HM



ELUR+D12D-HM

| Part # | Description |
|------------|---|
| ES+S12D* | 1524mm desk (includes overbridge) + single bay outboard rack (with door + cooling kit) |
| ESUR+S12D* | 1524mm desk (includes overbridge) w/(2) 4 space rackbays + 1 single bay outboard rack (with door + cooling kit) |
| ELUR+S12D* | 2134mm desk (includes overbridge) w/(2) 4 space rackbays + 1 single bay outboard rack (with door + cooling kit) |
| ELUR+D12D* | 2134mm desk (includes overbridge) w/(2) 4 space rackbays + 1 dual bay outboard rack (with door + cooling kit) |

* When ordering, suffix part number with designation for desired top (-DC = dark cherry, -HM = honey maple, -PS = pepperstone)

For Edit Center dimensions, please visit www.middleatlantic.com/studio/ec/ecdim.htm



Side Bay Racks

Side bay racks are available in either a single or dual bay configuration and come complete with casters. The reversible top on some models is contoured to match the desktop, allowing the racks to be positioned at a comfortable angle to the user on the left or right side. Additionally, these racks feature a unique two position top height, allowing the user to determine whether the racks join the desk flush or slide under the desktop. 11-gauge, 10-32 threaded front and rear rackrail are set back 51mm for equipment clearance. Single bay racks come standard with front and rear doors, while dual bay racks include doors on one bay only. Racks may also be ordered less doors. Side bay racks ship fully assembled.



Cooling
Gasketed plexiglass front doors and gasketed laminated rear doors on selected racks control noise and open 95° on concealed hinges. The rear door features a built-in quiet fan for cooling plus removable filter kit, and a brush grommet at the door bottom allows cable exit while maintaining a seal for air flow.

Side Bay Racks Including Cooling

| Part # | Description | Weight Capacity | Part # | Description | Weight Capacity |
|---------|---|-----------------|---------|---|-----------------|
| D12D-* | 12 space dual bay outboard rack + doors/cooling system | 227 kg | S12SD-* | 12 space single bay outboard rack w/square top+doors/cooling system | 136 kg |
| D12SD-* | 12 space dual bay outboard rack w/square top+doors/cooling system | 227 kg | S24D-* | 24 space sound reducing rack w/ square top+doors/cooling system | 136 kg |
| S12D-* | 12 space single bay outboard rack + doors/cooling system | 136 kg | | | |

* When ordering, suffix part number with designation for desired top (-DC = dark cherry, -HM = honey maple, PS = peppertone). Side racks include front and rear rail

Open, Front and Rear Side Bay Racks

| Part # | Description | Weight Capacity |
|--------|---|-----------------|
| S12-* | single bay outboard rack (12 rackspace), less doors | 136 kg |
| D12-* | dual bay outboard rack (12 rackspace), less doors | 227 kg |
| DT8* | table top rack (8 rackspace) | 34 kg |

Side racks include front and rear rail (DT8 front rails only)



Please request shipping information when ordering

Accessories

Split Screen Pop Filter

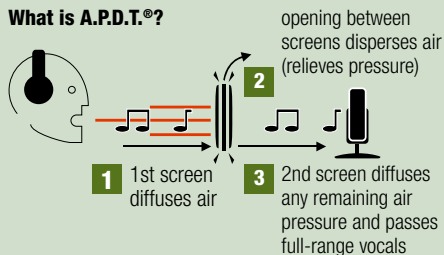


For Professional Voice Overs

The revolutionary design of the Split Screen Pop Filter ensures superior performance. The Split Screen Pop Filter:

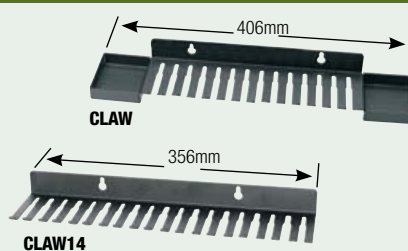
- Utilizes A.P.D.T.® to eliminate pops
- Outperforms traditional hoop style pop filters
- 'Non-Parallel' surfaces eliminate resonant frequencies

What is A.P.D.T.®?



| Part # | Description |
|--------|--------------------------------|
| PF-SS | split screen pop filter, black |

"The Claw" Cable Hanger



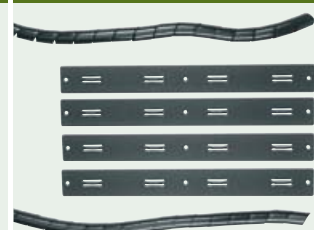
The unique dual-size "claw" configuration of this versatile wall mount cable hanger provides efficient storage for all cables large and small.

Available with side trays for holding small items, or without side trays for increased storage density. Black powder coat finish.

| Part # | Dimensions |
|--------|------------------------------------|
| CLAW | 406mm(w) x 89mm(d) with side trays |
| CLAW14 | 356mm (w) x 89mm (d) |



Cable Management Kits



These convenient cable management kits effectively organize the mass of cable typically found in digital video and audio systems.

Kit consists of spiral wrap to contain cables, and flat panels with tie-points to manage cable under desktops.

| Part # | Description |
|--------|---|
| CM-L | cable management kit for 2131mm desk system, includes 8 cable managers & 20' cable wrap |
| CM-S | cable management kit for 2131mm desk system, includes 4 cable managers & 20' cable wrap |

For monitor mount options see pg. 77



Utilizing a modular design, the MultiDesk Video System allows the configuration of furniture to accommodate a variety of work environments.

Ships
from stock



Whether you're a corporate video editor, digital audio engineer, or free-lance graphic artist, you can combine the models in the series to create a system that meets your specific requirements. Featuring an attractive 25.4mm thick top with a graphite finish and sturdy steel-tube legs, the MultiDesk Video system makes application-designed multimedia furniture available to those who previously had to choose an office desk or other furniture ill-suited for the job.



Corner Desk



MDV-CNR1

shown with (2) MDV-R12 & (2) MDV-OB4

The MDV-CNR1 Corner Desk includes a one piece overbridge that is user-configurable 3 ways:

- (1) 4 sp. rackbay in center, or
- (2) 4 sp. rackbays on sides, or
- Middle supports justified to outside to provide a 813mm wide open center span
- 673mm - 699mm desktop height

Overbridge provides 178mm inside height clearance

Part #

MDV-CNR1

Corner Desk



MDV-CNR3

shown with (2) MDV-R12 & (2) MDV-OB4

The MDV-CNR3 Corner Desk includes a three piece overbridge specifically designed to accommodate mixers with tall meter bridges. The overbridge center section is user-configurable 2 ways:

- 287mm inside height clearance, or
 - 673mm inside height clearance
 - 673mm - 699mm desktop height
- Center section provides 762mm inside width clearance

Part #

MDV-CNR3

designed to accommodate digital audio mixers



Straight Desk



MDV-DSK

shown with (2) MDV-R12 & (2) MDV-OB4

The MDV-DSK Straight Desk includes an overbridge that is user-configurable two ways:

- Two 4 space rackbays, or
 - Remove center section to provide 990mm wide open span
 - 673mm - 699mm desktop height
- Overbridge provides 178mm inside height clearance

Part #

MDV-DSK

1,498mm Video Desk



MDV-DL

shown with (1) S12S-DC & (1) MDV-R12

The taller MDV-DL allows MultiDesk Video racks to slide underneath, saving space.

- Open overbridge accommodates multiple video monitors
- Larger 1498mm width provides more workspace
- 673mm - 699mm desktop height

Part #

MDV-DL

For MultiDesk Video dimensions, please visit www.middleatlantic.com/studio/mdv/mdvdim.htm

Side Bay Rack



MDV-R12



S12SDG

Add an MDV-R12 Side Bay Rack to any MultiDesk Video Series desk for additional rackmount capacity and desktop space. Top constructed from high quality 25mm thick MDF with black laminate, provides 12 rackspaces, includes front rail. Casters are optional.

Part #

MDV-R12

Useable Depth

597mm



Add an S12SDG side rack to the MDV-DL 59" video desk if a plexi front door, and rear door with a built-in quiet fan for cooling are desired. Provides 12 rackspaces, includes front and rear rackrail, and comes complete with casters. This rack slides under the surface of the MDV-DL only, not compatible with other MultiDesk Video desks.

Part #

S12SDG

Useable Depth

609mm



Overbridge



MDV-OB4

The MDV-OB4 Overbridge mounts on top of the MDV-R12 rack and provides an additional 4 rackspaces. When placed beside any MultiDesk Video Series desk, a contiguous surface is maintained.

Part #

MDV-OB4

Caster Kit



MDV-CK

Caster Kit for MDV-R12 includes 4 wheels, 2 metal caster saddles, and mounting hardware.

Raises rack by 8mm.

Part #

MDV-CK

Keyboard Tray



MDV-KB

Designed for under-desk use, the MDV-KB computer keyboard tray is equipped with a padded wrist support. The unit's built-in mouse tray can be pulled out to either the left or right side and retracts out-of-the-way when not in use.

All mounting hardware included.

Part #

MDV-KB*

*(Does not work with MDV-CNR1 or MDV-CNR3.)

Connecting Wedge



MDV-W

Use the MDV-W Connecting Wedge to connect any MultiDesk Video Series component at an ergonomic 35° angle. Mounting hardware is provided.

Part #

MDV-W



For monitor mount options
see pg. 77



Seating to Fit Your Needs



adjustable headrest

**Contour Freedom**

Ergonomically designed to promote user attention and reduce operator fatigue.

Advantage

Wide frame provides larger seat and more space between armrests, accommodates sidearms and radios, and provides all day comfort.

Task Basic

Ergonomically thin profile solution for all day use designed to promote user attention and reduce operator fatigue.

| | | | | | | |
|-----------------|---|---|---|--|---|--|
| Cushions | Technogel® Cushions are sculpted to closely follow body contours-provide comfort and maximize weight distribution. | | Upholstered and cushioned seat; waterfall front edge helps reduce stress to legs. | | Upholstered and cushioned seat; waterfall front edge helps reduce stress to legs. | |
| Armrest | Technogel® armrests move up and down together and stay with you during recline, always keeping you in supported balance. | | Armrests with soft pads can be adjusted into a number of positions, from width to height; can be lowered to seat level, allowing extra space for holster users. | | Armrests with soft pads can be adjusted into a number of positions, from width to height, and removed to allow for extra space. | |
| Backrest | Pivoting responsive headrest automatically adapts to the changing needs of your spine during recline. With the counter-balance mechanism, your weight automatically balances the force required to recline the chair. | | Mesh back for ergonomic support and body heat dissipation; adjustable lockable backrest angle, tension and lumbar support. | | Mesh back for ergonomic support and body heat dissipation; adjustable lockable backrest angle, tension and seat depth. | |
| Weight Capacity | 136 kg | | 136 kg | | 136 kg | |
| Warranty | 15 years on mechanicals, based on 24/7, 365 day use; 5 year warranty for cushions and casters | | 10 years on mechanicals, based on single shift use | | 10 years on mechanicals, based on single shift use | |
| | Part # | Description | Part # | Description | Part # | Description |
| | CHAIR-CF1-B | chair, contour freedom, gel seat/arms, black vellum | CHAIR-ADV1-B | chair, advantage, wide frame black upholstered seat, mesh back | CHAIR-TSK1-B | chair, task basic, slim profile, black upholstered seat, mesh back |

For more information, please visit www.middleatlantic.com/sec/viewpoint/Chairs.htm

Monitor Mounts

Monitor mounts for Edit Center™ Series, MultiDesk Video™ Series, and LD Desk Series. Mount any LCD with VESA 75 or VESA 100 mounting hole patterns. All models come with through-desk and edge-clamp attachment options. Mounts monitors with up to a 559mm overall width.



| Part # | Description | Total Weight Capacity | Part # | Description | Total Weight Capacity |
|----------|---------------------------------------|-----------------------|---------|---|-----------------------|
| MMB1X1 | 1X1, articulating | 5,5-12,5 kg | MMB2X2 | 2X2, quad two across, two levels | 40 kg |
| MMB2X1 | 2X1, horizontal | 23 kg | MMB3X1D | 3X1, triple horizontal | 34 kg |
| MMB1X2 | 1X2, vertical | 23 kg | MMB3X2D | 3X2, triple horizontal, across two levels | 68 kg |
| MMB1X2PL | 1X2, articulating, landscape/portrait | 23 kg | | | |



C5 Series Credenza Racks

C5 Series Credenza Racks Implement a Totally New Approach



1. Choose from 1, 2 or 3 bay models. Choose the Contemporary style, with clean lines and smooth hardware, or the Traditional style, with ogee curved edges and brushed hardware. Choose from the standard finishes shown below. It's that easy!
2. The core structure of the credenza ships from stock at one of our five North American warehouses, so you can start integration immediately.
3. Outer surfaces, doors and trim ship separately to your shop or directly to the installation site and are quickly and easily fastened to cover all the metal and complete the installation.

Key Advantages of This Installation-Friendly Approach:

1. **It's FAST.** Get integration started fast – frames ship from stock.
2. **It's SAFE.** Wood shipments are well protected from shipping damage.
3. **It's REPAIRABLE.** If a panel gets damaged on jobsite, it can be easily replaced.
4. **It's FUTUREPROOF.** Changing colors or styles in the future is easy

700mm Deep Credenza Racks

| Frame** | | Finishing Kit, Traditional Style | | Finishing Kit, Contemporary Style | |
|-----------|-------|----------------------------------|--------------------|-----------------------------------|--------------------|
| # of Bays | Model | With Smoked Plexi Door(s) | With Solid Door(s) | With Smoked Plexi Door(s) | With Solid Door(s) |
| 1 Bay | IC5F1 | C5K1-TPD-xx * | C5K1-TSD-xx * | C5K1-CPD-xx * | C5K1-CSD-xx * |
| 2 Bay | IC5F2 | C5K2-TPD-xx * | C5K2-TSD-xx * | C5K2-CPD-xx * | C5K2-CSD-xx * |
| 3 Bay | IC5F3 | C5K3-TPD-xx * | C5K3-TSD-xx * | C5K3-CPD-xx * | C5K3-CSD-xx * |

800mm Deep Credenza Racks

| Frame** | | Finishing Kit, Traditional Style | | Finishing Kit, Contemporary Style | |
|-----------|---------|----------------------------------|--------------------|-----------------------------------|--------------------|
| # of Bays | Model | With Smoked Plexi Door(s) | With Solid Door(s) | With Smoked Plexi Door(s) | With Solid Door(s) |
| 1 Bay | IC5F1-D | C5K1-D-TPD-xx * | C5K1-D-TSD-xx * | C5K1-D-CPD-xx * | C5K1-D-CSD-xx * |
| 2 Bay | IC5F2-D | C5K2-D-TPD-xx * | C5K2-D-TSD-xx * | C5K2-D-CPD-xx * | C5K2-D-CSD-xx * |
| 3 Bay | IC5F3-D | C5K3-D-TPD-xx * | C5K3-D-TSD-xx * | C5K3-D-CPD-xx * | C5K3-D-CSD-xx * |

Note: A complete system includes the frame & the finishing kit – when ordering a finishing kit the frame must also be ordered. **Frame does not come with finishing kit.

C5 Finishing Kit, with Large Format Monitor Mount (for 32" - 50" monitors)

| Frame | | Finishing Kit, Traditional Style | | Finishing Kit, Contemporary Style | |
|-----------|-------|----------------------------------|--------------------|-----------------------------------|--------------------|
| # of Bays | Model | With Smoked Plexi Door(s) | With Solid Door(s) | With Smoked Plexi Door(s) | With Solid Door(s) |
| 1 Bay | IC5F1 | C5K1-MM1-TPD-xx* | C5K1-MM1-TSD-xx* | C5K1-MM1-CPD-xx* | C5K1-MM1-CSD-xx* |
| 2 Bay | IC5F2 | C5K2-MM1-TPD-xx* | C5K2-MM1-TSD-xx* | C5K2-MM1-CPD-xx* | C5K2-MM1-CSD-xx* |
| 3 Bay | IC5F3 | C5K3-MM1-TPD-xx* | C5K3-MM1-TSD-xx* | C5K3-MM1-CPD-xx* | C5K3-MM1-CSD-xx* |



*Replace 'xx' with DS = Darkstone, GS = Graystone, PS = Pepperstone, SG = Shark Gray, EA = Ebony Ash, WG = Wenge, DC = Dark Cherry, DP = Dark Pecan, AG = Aged Cherry, HM = Honey Maple, LW = Light Walnut, MP = Maple.

Millwork Kit for Customizing C5 Series Credenza Racks



Using the C5 Millwork Kit lets a custom millworker provide matching outer surfaces. (Not a standard offering)

The millwork kit supplies all hardware and specifications to allow customized woodwork to be used with our credenza frame kit.

Each kit includes:

- A USB Flash Drive pre-loaded with shop plans, drawings, & instructions.
- A complete Hardware Kit including:
 - Fasteners for door installations, including hinges (Note: door knobs/pulls are NOT included)
 - Fasteners for attaching the top panel, side panels, & toe kick

Ordering a Millwork Kit

To order a Millwork Kit, simply choose the model below that matches the number of bays in your C5 Series Frame.

| Part # | Description | Order w/ Frame |
|---------|------------------------|----------------|
| IC5-MK1 | C5 millwork kit, 1 bay | IC5F1 |
| IC5-MK2 | C5 millwork kit, 2 bay | IC5F2 |
| IC5-MK3 | C5 millwork kit, 3 bay | IC5F3 |



NEW!

Single and Dual Monitor Mounts for C5 Series Credenza Racks

Now you can easily mount large format monitors directly to C5 Series credenzas to simplify your AV installations. Eliminates wall mounting and cable routing issues with built-in cable pathways.

- Accommodates most screens from 42" to 65" (dual) or 70" (single). Larger sizes available custom - please call
- Monitor height is adjustable and easy to level using the provided markings
- Optional camera mounts are ideal for videoconferencing systems. Cameras can be mounted above or below single monitors, or between dual monitors. Mounts are fully adjustable – choose from a large or small platform to match your camera unit size
- Includes cable clips for neat cable management into the credenza racks below
- Durable black powder coat finish



C5MM1-4255D

Accommodates single or dual screens

C5 Single & Dual Large Format Monitor Mounts

| Part #* | Description |
|---|--|
| C5MM1-4270S | fits 42" to 70" single monitor, accepts optional camera mounts |
| C5MM1-4255D | fits 42" to 55" dual monitors, accepts optional camera mounts |
| C5MM1-5665D | fits 56" to 65" dual monitors, accepts optional camera mounts |
| * Monitor mounts sold separately. Requires pre-Machined Top (finishing kit) designated in finishing kit part # (EG: C5K2-CPD MT -xx). Available for 2 and 3 bay C5 only. | |

C5 Universal Camera Shelves

| Part # | Description | Size |
|------------|------------------------------------|---------------|
| C5CMTB-88 | mounts to top or bottom of screens | 200mm x 200mm |
| C5CMTB-128 | mounts to top or bottom of screens | 305mm x 200mm |
| C5CMM-88 | mounts between dual screens | 200mm x 200mm |



Cable management clips included



C5MM1-4270S

C5 Depth Extender

Install Deeper Equipment in C5 Credenza Racks

The new Depth Extender Kit is field-installable and extends the rear depth of any single bay of any standard depth C5 Credenza model to accommodate deeper components and their cables. The extender adds nearly 72mm to the frame's useable depth (while staying within the overall depth of the wood surface) and accommodates the unit's standard rear panel. Fits all models and installs with an included wrench.

| Part # |
|------------------------------|
| C5-EXT* |
| *Fits standard depth C5 only |



Shown in gray for clarity



Extender kit adds 72mm useable depth

NEW!

See pg. 36 for more options



Thermal Management



Electrical systems generate heat, and so the removal of this heat to maintain the temperature inside installed racks is critical to the proper functioning and survival of the circuits operating within them. As described in our free white paper on this topic, the best way to control the temperature is to take a systems (integrated) approach to thermal management. Middle Atlantic offers a wide range of cooling products to meet installation needs, from eliminating a specific “hot spot” on a component, through the normal range of full rack cooling, all the way to high CFM solutions for your most thermally challenging installations. We care about our environment, and are pleased to offer a full selection of thermostatic and proportionally controlled cooling options that save energy and reduce unwanted service calls and unnecessary noise.

Here is a selection chart to help you quickly narrow down your choices. Please also see the product groupings listed on the facing page. If you need help, please call our technical support group for assistance:

| Cooling Need | Location Type | Series to Consider | |
|---------------------------|---|---|------------|
| Full Racks | Any | FAN-119 QFAN-119 KO Fan tops - see next page | |
| In-Rack Assistance | Within racks above hot components | IFTA | ICOMP-COOL |
| Smaller Racks and Systems | In meeting rooms, studios, residences, and similar spaces | IUQFP IQFP IDCFANKIT | |
| Enclosed Spaces | Entertainment centers, closets, and similar locations | ICAB-COOL ICLS-COOL | |
| Fan Controllers | Any | FC-4-IEC | |



Fans and Fan Accessories

82



Ultra Quiet Fan Panels

83



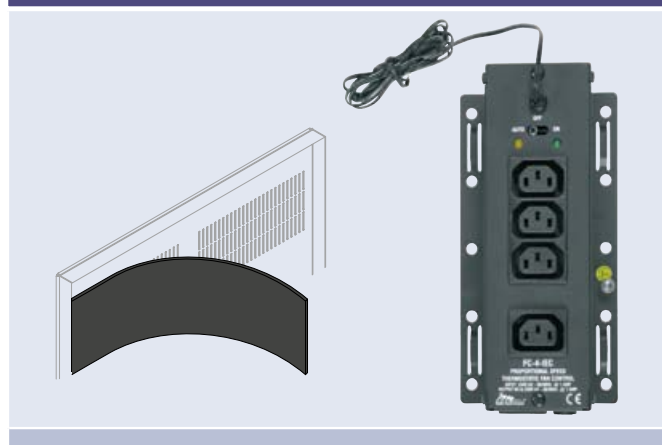
Quiet-Cool Series™

84-85



Thermostatic AC Fan Control and Vent Blockers

86



Thermal Rack Top Options

87





FAN-254



QFAN



GUARD

complete with black powder coat finish guard

Spec. #
96-01063
for full
product
info.

A&E

High Quality Fans

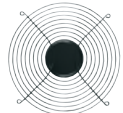
Featuring smooth, ball-bearing design, the 220V mount flush and come in 119mm and 254mm models. QFAN quiet fan includes guard with a black powder coat finish and is great for minimizing noise. AXS-FAN features a slim design for mounting in AXS Series racks. Mounting hardware and cord included with each unit.

| 220V Part #** | Size | Depth | Free Air dB Rating | Free Air m³/min |
|---------------|-------|--------|--------------------|-----------------|
| FAN-119 | 119mm | 38mm | 39 dB (A) | 2,69 |
| FAN-254 | 254mm | 254mm | 49 dB (A) | 15.6 |
| QFAN-119 | 119mm | 38mm | <30 dB (A) | 1,42 |
| AXS-FAN-119 | 119mm | 25,4mm | 30 dB (A) | 1,61 |

Fan Guards

Fitting 119mm and 254mm fans, fan guards are "Hamburger grille" style & have a black powder coat finish, includes hardware.

| Part # | Fits |
|-----------|-----------|
| GUARD-119 | 119mm fan |
| GUARD-254 | 254mm fan |



GUARD-10



IDCFANKIT-4 220V

power supply with remote temperature sensor



Fan Kit with Intelligent Thermostatic Control

Intelligent cooling for laminate racks.

- Intelligent thermostatic control
- Fits RK/BRK & RDR Series
- Mounts in top of rear access panel
- 2,83 m³/min

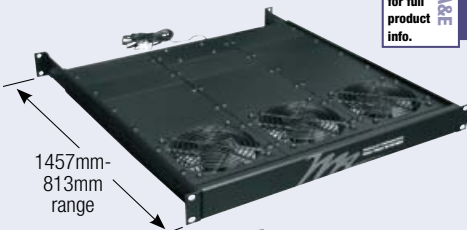
| 220V Part #** | Description |
|---------------|--|
| IDCFANKIT-4 | fan kit 4 fans 2,83 m³/min, 220V adapter and controller included |



EIA/TIA Compliant

Spec. #
96-01137
for full
product
info.

A&E



IFTA-3

1457mm-813mm range



IFTA-6

fans can be positioned where they are most needed

Fan Tray System

Fan tray system lets you locate fans directly above vents on hot equipment to help hot air get moving in the right direction for rack cooling systems.

- Uses from 3 to 8 quiet 119 mm DC fans (69 CFM for each fan)
- 8 fan mounting positions and optional add-on fans let you locate fans exactly where needed
- Energy-saving thermostatic control for automatic on/off as needed
- Powered by a single power cord
- Occupies only one rackspace
- Adjustable mounting range of 460 mm to 815 mm

| Part # | Description | Free Air Rating |
|--------|-----------------------|-----------------|
| IFTA-3 | 3 fan tray | 5.8 m³/min |
| IFTA-6 | 6 fan tray | 11.7 m³/min |
| FT-FAN | add-on 101,6mm DC fan | 1.95 m³/min |

Fan Panels

Fan panels accommodate all standard 119mm fans. 3 rackspaces (133mm) high, they are made from 1.59mm-gauge flanged aluminum. Offered in a black textured powder coat or black brushed and anodized finish.

| Anodized Part # | Textured Part # | Racking Height | Accommodates |
|-----------------|-----------------|-----------------|------------------|
| FP1 | TFP1 | 133mm (3 space) | one 119mm fan |
| FP2 | TFP2 | 133mm (3 space) | two 119mm fans |
| FP3 | TFP3 | 133mm (3 space) | three 119mm fans |



FP2

Filter Kit

The three space washable filter is 25mm thick and is housed in 1,2mm gauge perforated steel. Mounts in enclosures for use as a filtered vent panel.

| Part # | Racking Height |
|--------|-----------------|
| FILTER | 133mm (3 space) |



FILTER



IUQFP Series Ultra Quiet Fan Panels

The two rackspace Ultra Quiet Fan Panel System provides smart cooling and monitoring to ensure a reliable installation in areas where fan noise is not an option, including boardrooms, classrooms, offices, houses of worship, etc. Thermostatic, proportional speed DC fan control ensures ultra quiet operation by varying fan speed based on enclosure temperature.

Overtemp notification, local and remote, offers additional operation monitoring. A unique feature of the system provides notification in the event of fan failure via a local display or remote signal to an external alarm device.

- 2,83 m³/min cooling capacity (4 fan models), 1,42 m³/min cooling capacity (2 fan models)
- Digital processor varies fan speed based on enclosure temperature for ultra quiet operation
- Front panel rack temperature and alert display provides instant system status ('D' models only)
- On-board digital processor monitors rack temperature via external sensor
- Local and remote notification of over temperature and fan fault can be sent to a control system



IUQFP-2D



IUQFP-4D



IUQFP-2



IUQFP-4

| 220V Part # | # of Fans | Overtemp Notification | | | User Definable Overtemp Setting | Fan Failure Notification Local & Remote Display | Free Air Rating | Max Sound Level | Racking Height |
|-------------|-----------|-----------------------|---------------|--------|---------------------------------|---|-------------------------|-----------------|-----------------|
| | | Local LED | Local Display | Remote | | | | | |
| IUQFP-2D | 2 | ● | ● | ● | ● | ● | 1.4 m ³ /min | 24 dB | 89 mm (2 space) |
| IUQFP-4D | 4 | ● | ● | ● | ● | ● | 2.8 m ³ /min | 27 dB | 89 mm (2 space) |
| IUQFP-2 | 2 | ● | — | ● | — | — | 1.4 m ³ /min | 24 dB | 89 mm (2 space) |
| IUQFP-4 | 4 | ● | — | ● | — | — | 2.8 m ³ /min | 27 dB | 89 mm (2 space) |

Designer Inspired Ultra Quiet Fan Panels

The smart, quiet, elegant way to keep electronics systems cool. The two rackspace Designer Inspired Ultra Quiet Fan Panel features a unique on-board processor that controls DC fan speed in direct proportion to equipment temperature resulting in quiet, reliable installations.

The perfect thermal management solution for media rooms, screening rooms, and other areas where people and electronics coexist, the Designer Inspired Ultra Quiet Fan Panel boasts the following features:

- Dimmable temperature and alert display provides instant system status - also available without front display
- On-board digital processor varies fan speed based on equipment temperature, which is monitored via external sensor
- Local and remote notification in the event of external sensor failure
- Local and remote notification of over temperature and fan fault can be sent to a control system
- Black brushed anodized finish



IUQFP-4RA



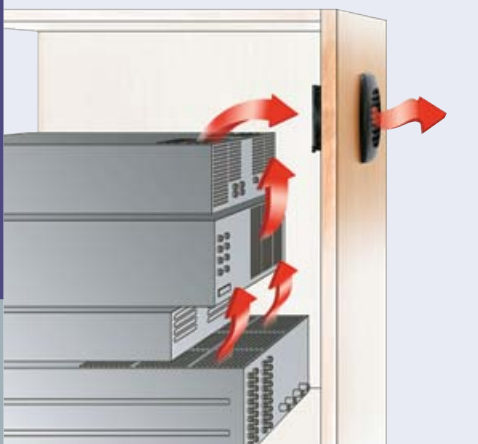
IUQFP-4DRA

| 220V Part # | # of Fans | Overtemp Notification | | User Definable Overtemp Setting | Fan Failure Notification Local & Remote Display | Free Air Rating | Max Sound Level | Racking Height |
|-------------|-----------|-----------------------|--------|---------------------------------|---|-----------------------|-----------------|-----------------|
| | | Local Display | Remote | | | | | |
| IUQFP-4RA | 4 | — | ● | — | — | 2.8 m ³ /m | 27 dB | 89 mm (2 space) |
| IUQFP-4DRA | 4 | ● | ● | ● | ● | 2.8 m ³ /m | 27 dB | 89 mm (2 space) |



The Quiet-Cool Series™ was designed to provide effective thermal management for a variety of installation environments.

The Quiet-Cool Series™ utilizes smart thermostatic control to monitor temperature and signal fans to automatically remove heat from components, cabinets and closets.



Cabinet Cooler

Cabinet cooler removes heat generated by components located in smaller cabinets, credenzas, lecterns, and entertainment centers.

Thermostatically controlled to operate only when needed to extend fan life and minimize dust, this quiet-cooling device features an aesthetically designed vent that can be painted to match its environment. Dual version includes 2 fans driven by a single thermostat and single power supply.

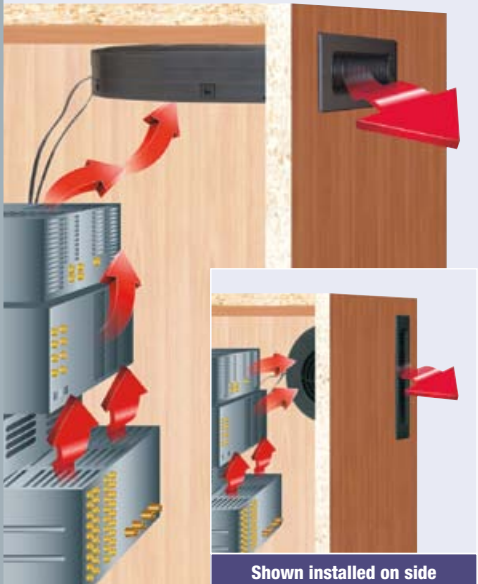
| 220V Part # | Description | Free Air Rating | Max Sound Level |
|-------------|--------------------------|-----------------|-----------------|
| ICAB-COOL | cabinet cool system | 0.56 m³/min | 24 dB |
| ICAB-COOL-2 | dual cabinet cool system | 1.13 m³/min | 27 dB |

includes in-line thermostatic controller



ICAB-COOL

includes international power supply



Shown installed on side

1.41m³/min Cabinet Cooler

Powerful and quiet way to remove heat from credenzas, lecterns, & entertainment centers

- The first and only 1.41m³/m blower-style cabinet cooler on the market
- Purpose-designed blower provides high static pressure to overcome flow restrictions
- Low profile design – only 51mm thick
- Intelligent proportional speed controller runs only when needed
- Quiet even at full speed; low 29 dB max sound level

| 220V Part # | Description | Free Air Rating | Max Sound Level |
|-------------|---------------------|-----------------|-----------------|
| ICAB-COOL50 | cabinet cool system | 1.41 m³/min | 29 dB |



ICAB-COOL50

includes international power supply



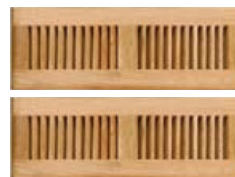
Closet Cooler

Closet cooler removes heat from closets where small rack systems are located.

Two solid oak vents will be visible and can be stained or painted to match any room's décor. This cooling solution runs only when needed, mounts to closet doors and is available with an active exhaust and passive intake for closets with gaps, or an active exhaust and active intake for tightly sealed closets.



ICLS-COOL1



ICLS-COOL2

| 220V Part # | Description | Free Air Rating | Max Sound Level |
|-------------|--------------------------------|-----------------|-----------------|
| ICLS-COOL1 | active exhaust, passive intake | 1.416m³/min | 25 dB |
| ICLS-COOL2 | active exhaust, active intake | 1.416m³/min | 28 dB |



Component Cooler

Thermostatically controlled component cooler removes heat right at the source.

Optimized for components on open shelving or in racks, this cooler turns on automatically when needed. The Component Cooler is placed directly on top of vents of heat generating equipment. The COMP-COOL-3 is available for systems that require multiple components to be cooled.

| 220V Part # | Qty | Free Air Rating | Max Sound Level |
|----------------|---|-------------------|-----------------|
| ICOMP-COOL | 1 fan, power supply | 0.227 m³/min | 19 dB |
| ICOMP-COOL-3** | 3 fans, connects to single power supply | 0.227 m³/min each | 24 dB |
| ICOMP-COOL-E | 1 fan, connects to COMP-COOL3 | 0.227 m³/min | 19 dB |

**890mm length between connectors



1.41m³/min Component Cooler

Powerful & quiet way to remove heat from system components on open shelving or in racks

- High 1.41m³/m maximum flow rate to meet demanding requirements
- Blower design provides high static pressure to overcome flow restrictions
- Designed to pull hot air up out of a component and direct it where desired



ICOMP-COOL50



ICOMP-COOL50P

Stand-Alone Version

- Ideal for cooling one component
- Sits directly on top-vented equipment
- Pulls hot air out of vent and directs it where desired

Platform Version

- Ideal for cooling stacked components
- Sits directly on top of a hot component, supporting additional components
- 432mm x 355mm by 36 cm platform can be oriented with long or short face forward

| 220V Part # | Description | Free Air Rating | Max Sound Level |
|---------------|------------------------------|-----------------|-----------------|
| ICOMP-COOL50 | stand-alone component cooler | 1.41 m³/min | 29 dB |
| ICOMP-COOL50P | platform component cooler | 1.41 m³/min | 29 dB |



ICOMP-COOL50



ICOMP-COOL50P

Quiet Blower Panel

The QBP-2 is quieter, yet puts out 100 CFM, more than any other 1 space fan panel. This unit uses a pair of custom-designed blowers, in a single rackspace.

- For smaller rack systems & credenzas where space is at a premium & quiet operation is a must
- Quiet even at full speed; proportional speed assures the quietest operation possible
- Low power consumption; blower only runs as needed and spins as fast as required by the heat load presented
- Proprietary blowers provide high static pressure to maintain airflow even in crowded racks. Superior to axial fans for maintaining airflow in restricted conditions
- Attractive appearance complements finished rack appearance



QBP-2A

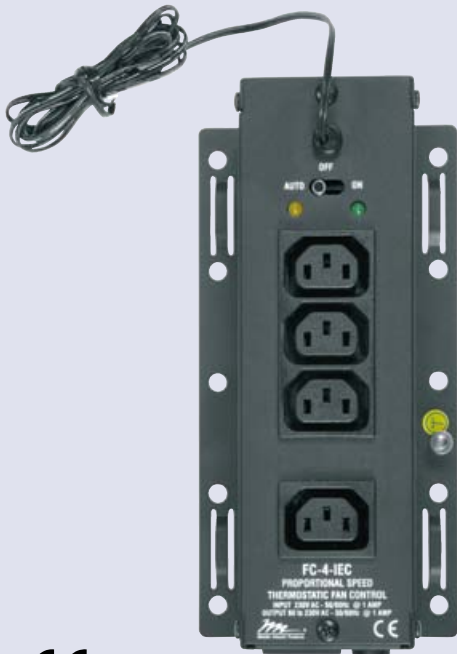


(inverted position shown to draw air from the top)

NEW!



| 120V Part # | 220V Part # | Racking Height | Finish | Free Air Rating | Max Sound Level @ 1 Meter |
|-------------|-------------|----------------------|----------------|-----------------|---------------------------|
| QBP-2 | IQBP-2 | 1-3/4" (1 rackspace) | flat black | 2.82 m³/m | 32 dB |
| QBP-2A | IQBP-2A | 1-3/4" (1 rackspace) | black anodized | 2.82 m³/m | 32 dB |



CE

Thermostatic AC Fan Control

Designed to work specifically with AC fans that are offered by Middle Atlantic or other fans with similar specifications

- Extends equipment and fan life
- Three temperature ranges (27°-32°, 30°-35°, 32°-38°C)
- Can be set to operate the fan speed either proportionally to temperature or at full speed when the temperature threshold has been reached
- Can be turned on or off via a local switch
- Durable black powder coat finish
- CE low voltage directive (2006/95/EC) and EMC directive (2004/108/EC)

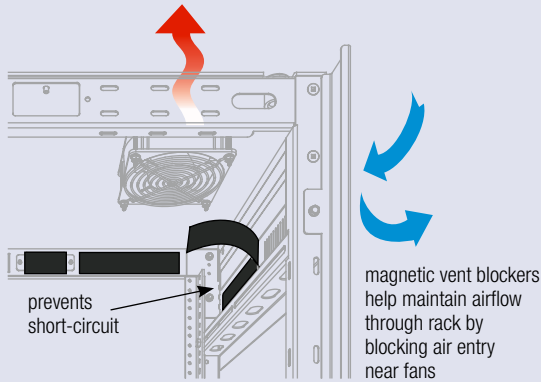
Includes:

- Temperature probe w/ 1,525 mm wire
- Bonding Stud
- Status LEDs
- Mounts to rackrail or any flat surface
- Maximum Load: 1 Amp/230V

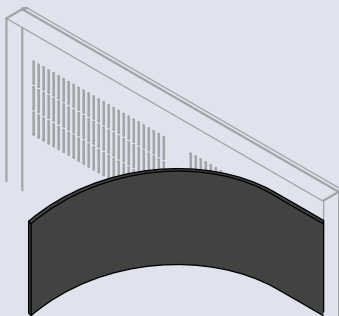
| Part # | Description | # of fan outlets |
|----------|-----------------------------|------------------|
| FC-4-IEC | thermostatic AC fan control | 4 |

Vent Blockers

Vent blockers are used to prevent the recirculation of hot air between top-mount fans and nearby vent openings. Vent blockers should be placed over the enclosure's vents located on the upper front of the enclosure, upper sides, and upper rear door (depending on enclosure). This will ensure that heated enclosure air will be forced out through the top-mounted exhaust fans instead of re-circulating, keeping equipment cool.



Vent Blockers
mount to the inside
of enclosures to
block airflow



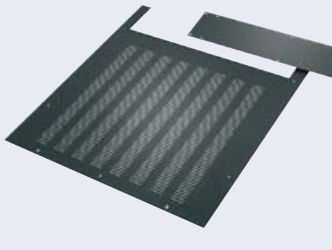
| Part # | Used On |
|-------------|------------------------|
| VBK-W27-W32 | WRK-xx27 & WRK-xx-32 |
| VBK-WSA27 | WRK-xxSA-27 |
| VBK-WSA32 | WRK-xxSA-32, WR-xx-32* |
| VBK-E20 | ERK-xx20, DWR-xx-26 |
| VBK-E25 | ERK-xx25 |
| VBK-SCRK27 | SCRK Series |
| VBK-D17 | DWR-xx-17 |
| VBK-SD-22 | SR-40-22, DWR-xx-22 |
| VBK-S28 | SR-xx-28 |
| VBK-S32 | SR-xx-32, DWR-xx-32 |
| VBK-S42 | WR-xx-42* |
| VBK-V | VRK-44-31H/VRK-44-36H |
| VBK-DRK | DRK Series |
| VBK-PTRK | PTRK-xx |
| VBK-PTRK26 | PTRK-xx26 |
| VBK-BGR | BGR Series |
| VBK-BGR-SA | BGR-SA Series |

*When WR is not flush against a wall, block the rear opening with the optional rear access panel, model # WR-RAP-xx

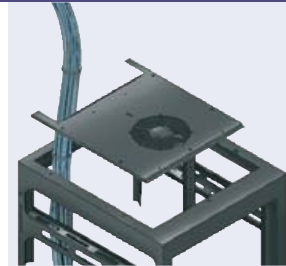


HOT TIP!

Did You Know?? - Time Saving Feature



All MW Series top options are designed with a removable 2 rackspace panel for top cable entry.



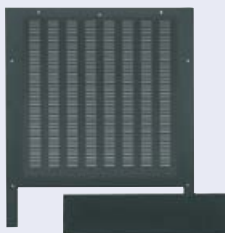
This removable panel allows for removal of top options without disruption of cables.

Solid and Vented Top Options

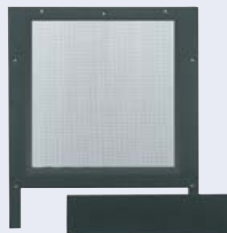
Select solid, slot pattern vented, or large perforated vented top options to address your thermal management needs.



MW-ST



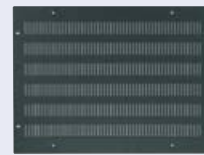
MW-VT



MW-LVT



ERK-ST



ERK-VT



ERK-LVT

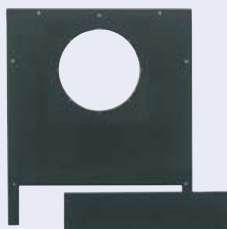
| Fits WRK, MRK, VRK, VMRK, DRK Part # | Fits ERK, WMRK, SCRK Part # | Style |
|--------------------------------------|-----------------------------|-----------------------|
| MW-ST | ERK-ST | solid |
| MW-VT | ERK-VT | slot pattern vented |
| MW-LVT | ERK-LVT | vented, 64% open area |

Fan Top Options - Non-Populated

Top options accept 119mm or 254mm fans for active thermal management.



MW-4FT



MW-10FT



ERK-4FT



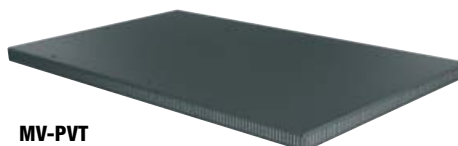
ERK-10FT

| Fits WR, WRK, MRK, VRK, VMRK, DRK Part # | Fits WMRK, ERK, SCRK, Part # | Fan Openings | Style |
|--|------------------------------|-----------------|---|
| MW-4FT | ERK-4FT | laser knockouts | mounts up to four 119mm fans (MW-4FT) or three 119mm fans (ERK-4FT) |
| MW-10FT | ERK-10FT | finished hole | mounts one 254mm fan |

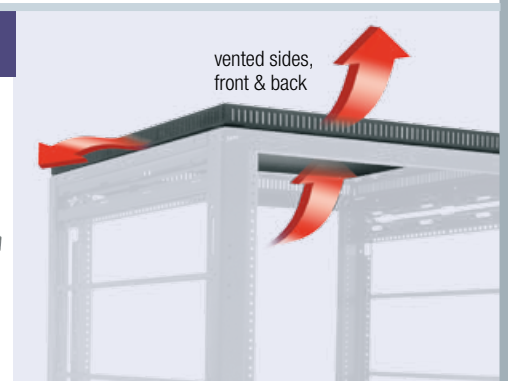
Vented Pagoda Top Options

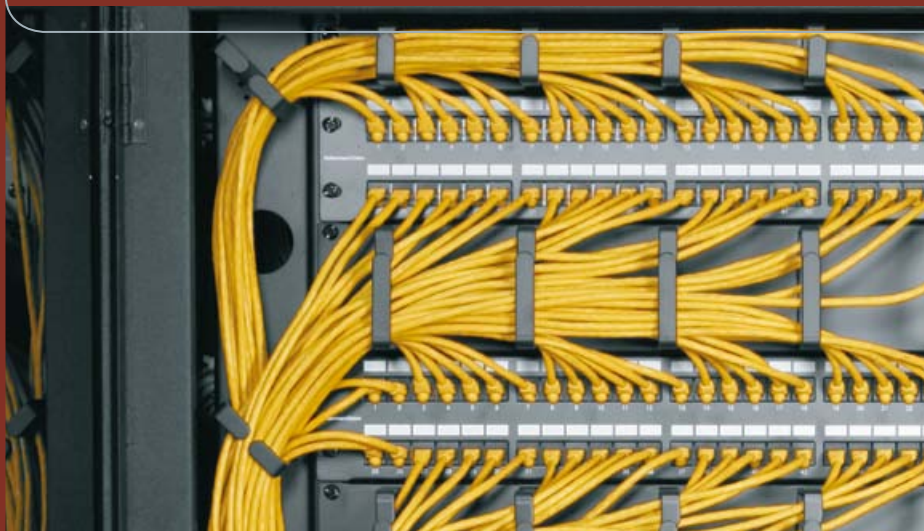
Vented pagoda tops maintain enclosure temperatures through natural convection while minimizing the amount of dust and debris that can fall into the rack, and adds 38mm to the top of the rack.

| Part # | Style |
|--|--|
| MV-PVTxx | vented pagoda top, MRK, VRK, VMRK only |
| xx = depth of MRK, VRK and VMRK only (660mm, 787mm, 919mm or 1066mm) | |



MV-PVT
vented pagoda top for MRK, VRK, VMRK only keeps dust out





Cable Management

Signal inputs, outputs, and controls, as well as power, all must be routed within an installation, almost always in the form of cabling. Effective cable management plays a large role in overall system reliability since today's cables (including "category" cabling and fiber optics in particular) are highly engineered, high performance system elements that need to be properly supported and protected to perform to specifications. Middle Atlantic has incorporated cable management features and capabilities into every rack/enclosure line as well as many accessory products, and in this section we present additional cable management products to provide the support and management functions needed in every installation project. See our free white paper on this topic for more information and guidance.

Here is a selection chart to help you quickly narrow down your choices. Please also see the product groupings listed on the facing page. If you need help, please call our technical support group for assistance:

| Cable Management Need | Location Type | Series to Consider | |
|---|---|---|----------------------------|
| Vertical Cable Lacing | Within Racks | LeverLock™ (BGR Specific) | LACE TW |
| Horizontal Lacing and Support Near Connections | Within Racks | LeverLock™ (BGR Specific) LBP UP1 HHCM | HCM LBFR PHCM HCT |
| Managing Connections to Small Devices | Within Racks | V-System (EGR specific) UFA MS | |
| Between/Beside Racks | Heavier Cable Usage Applications | VCD RLA-CC CK | CC PCD |
| Manage Excess Cable Lengths | Primarily within Racks | PCS | |
| Cable Entry | Outside/Approaching Racks, and Cabling Entering Racks | BR RIB SRB | GR GK CLB/CLH |

Large Capacity Vertical Cable Duct Systems with Doors 90



Economical Metal Vertical Cable Ducts 91



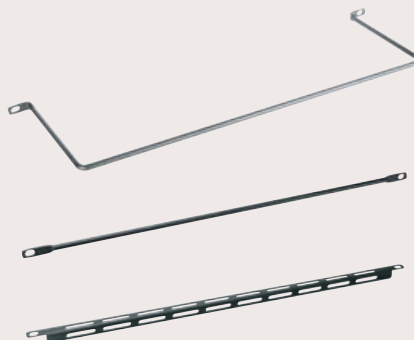
Plastic Vertical Cable Ducts 92



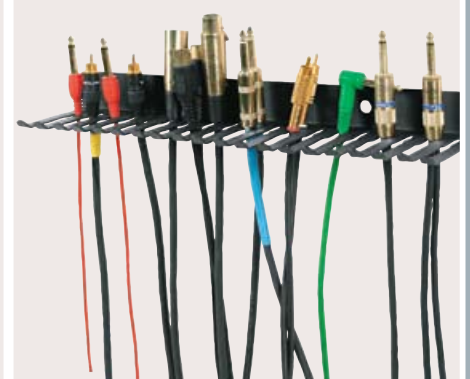
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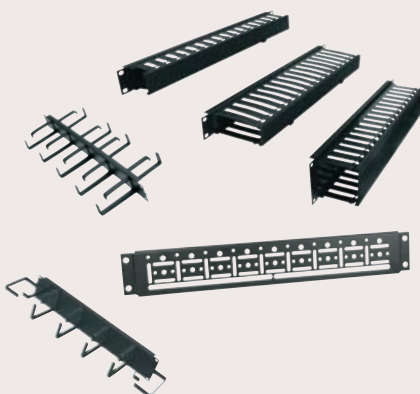
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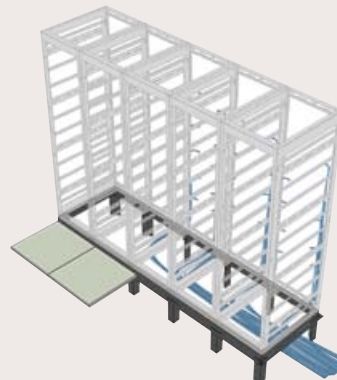
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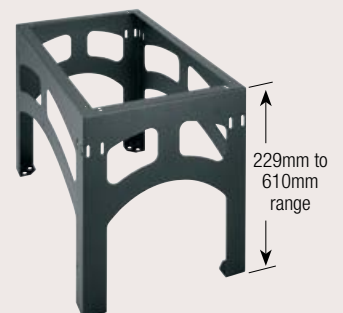
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Large Capacity Vertical Cable Duct Systems with Doors



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info.

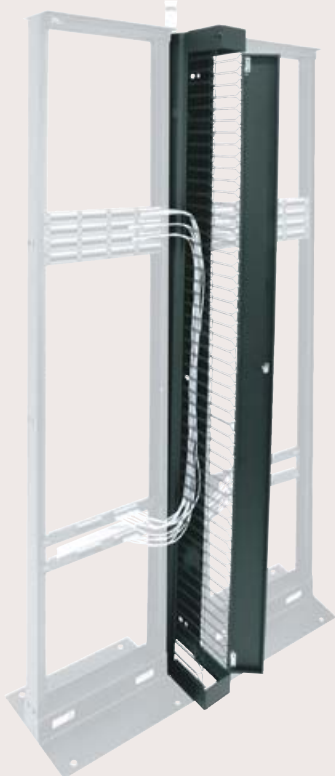




EIA/TIA Compliant



VCD-10-51-DC



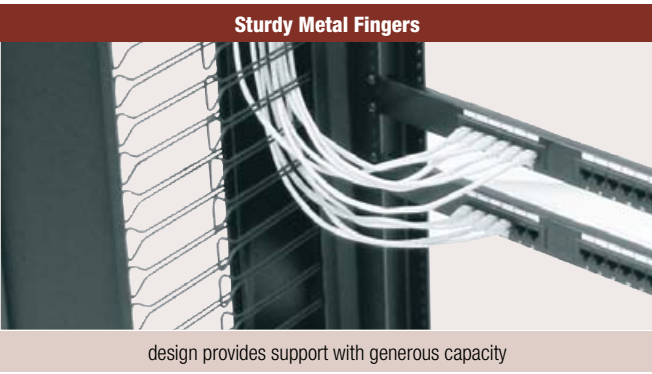
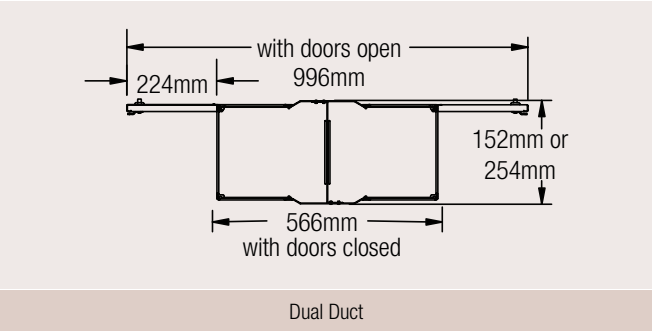
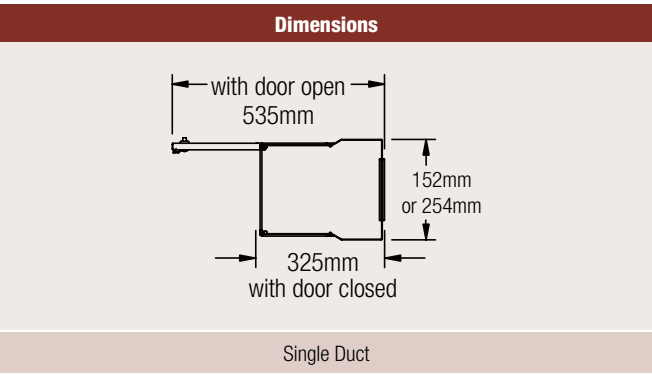
mounts next to or
between racks to
manage cabling

The VCD Series ducts feature high capacity 152mm or 254mm widths to accommodate large cabling quantities.

VCD Series managers mount on all MK, RL, RLA and R4 Series open frame rack systems.

- Helps protect cable bend radius and organize pathways for all data cables, patch cords and power cords between racks
- Available in single and dual (front and rear channel) duct versions
- Includes removable reversible doors

| 254mm Wide | 152mm Wide | Description |
|--------------|-------------|---------------------------------------|
| VCD-10-51-DC | VCD-6-51-DC | 51 rackspace dual cable duct system |
| VCD-10-51-SC | VCD-6-51-SC | 51 rackspace single cable duct system |
| VCD-10-45-DC | VCD-6-45-DC | 45 rackspace dual cable duct system |
| VCD-10-45-SC | VCD-6-45-SC | 45 rackspace single cable duct system |
| — | VCD-6-38-DC | 38 rackspace dual cable duct system |
| — | VCD-6-38-SC | 38 rackspace single cable duct system |

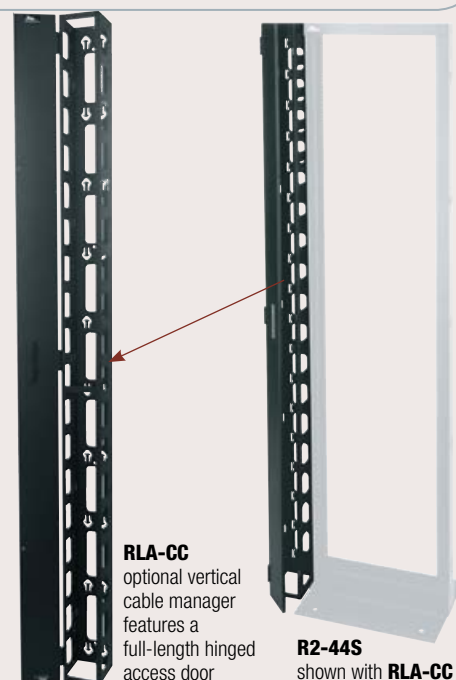


Vertical Cable Duct with Hinged Door

RLA-CC Series managers mount on all MK, R2, RL, RLA and R4 Series 45 space open frame rack systems, while providing abundant cable pass-throughs and cable lacing points. Order 2 (two) - single ducts to make an economical dual channel organizer. The solid hinged front door with a 3-point magnetic latch can be installed to open in either direction

| Part # | Description |
|---|---------------------------------|
| RLA-CC | 45 space duct with hinged cover |
| Order 2 single ducts to make an economical dual channel organizer | |

| Dimensions | |
|--|---|
| <p>with door open 290mm 130mm 155mm with door closed</p> <p>RLA-CC</p> | <p>with doors open 582mm 130mm 310mm with doors closed</p> <p>2 RLA-CC's mounted back to back</p> |



Duct System and Lift-Off Covers

CK Series managers mount on all MK, RL, RLA and R4 Series open frame rack systems. Optional split lift-off covers fit on front and rear of both center and end unit styles. Built with dual channel design to handle extra large cable bundles while providing simple distribution provisions in the front and rear.

| Part # | Description |
|--------|---|
| CK-45 | 45 rackspace center organizer |
| CK-45E | 45 rackspace end organizer |
| CK-45C | 45 rackspace organizer cover - 2 pieces |

| Dimensions |
|------------------------|
| <p>229mm 153mm</p> |

ALL VERTICAL CABLE MANAGERS REDESIGNED TO WORK ON ALL 2-POST & 4-POST RACKS (RL, RLA, R2, R4, MK SERIES)



Vertical Cable Chases Ideal for Rack Enclosures

Cable chases provide ample space for the safe and unobtrusive routing of cables between racks. Each three-piece system includes a beveled-corner front vertical channel, a square-corner rear vertical channel, and a solid top cover. Standard 4" wide chases. Custom size and width chases are also available – please call for details. Finished in a durable black powder coat.

| Part # | Description | Fits |
|-----------|-------------------------------|--|
| CC-40-267 | 1778mm (40 Space) cable chase | WRK-40-27, MRK-4026 |
| CC-40-312 | 1778mm (40 Space) cable chase | WRK-40-32, MRK-4031 |
| CC-44-36 | 1956mm (44 Space) cable chase | MRK-4436, DRK19-44-36, VRK-44-36H |
| CC-44-312 | 1956mm (44 Space) cable chase | WRK-44-32, MRK-4431, VRK-44-31H, DRKXX-44-31 |
| CC-44-267 | 1956mm (44 Space) cable chase | WRK-44-27, MRK-4426 |
| CC-44-423 | 1956mm (44 Space) cable chase | MRK-4442, DRKXX-44-42 |

BGR and EGR options are shown on rack series pgs.



Plastic Vertical Cable Ducts



dual version



single version

Plastic Cable Ducts for 2-Post and 4-Post Racks

Provide a cost effective solution to protect, route and organize cables and cords.

- Available in 51mm, 76mm and 102mm widths, all with strong metal backing
- Available in 76mm and 102mm depths, single channel and 152mm and 203mm depths dual channel
- Slotted finger design allows for horizontal cable access exactly where it's needed
- Fingers can be easily removed to create larger openings
- Plastic covers provide organization while keeping cables hidden
- Ideal for medium to low density installations
- Ready to mount to either side or in between two 2- and 4-post racks



| ParD # | Racking Height | Size | Type | Raw Duct is Also Available |
|---------------|----------------|-------------------|--------|----------------------------|
| PCD-2-3-51SC | 51 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-45SC | 45 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-38SC | 38 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-30SC | 30 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-25SC | 25 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-20SC | 20 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-15SC | 15 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-12SC | 12 rackspaces | 51mm W x 76mm D | single | |
| PCD-2-3-8SC | 8 rackspaces | 51mm W x 76mm D | single | |
| PCD-3-3-51SC* | 51 rackspaces | 76mm W x 76mm D | single | |
| PCD-3-6-51DC* | 51 rackspaces | 76mm W x 152mm D | dual | |
| PCD-3-3-45SC* | 45 rackspaces | 76mm W x 76mm D | single | |
| PCD-3-6-45DC* | 45 rackspaces | 76mm W x 152mm D | dual | |
| PCD-3-3-38SC* | 38 rackspaces | 76mm W x 76mm D | single | |
| PCD-3-6-38DC* | 38 rackspaces | 76mm W x 152mm D | dual | |
| PCD-4-4-51SC* | 51 rackspaces | 102mm W x 102mm D | single | |
| PCD-4-8-51DC* | 51 rackspaces | 102mm W x 204mm D | dual | |
| PCD-4-4-45SC* | 45 rackspaces | 102mm W x 102mm D | single | |
| PCD-4-8-45DC* | 45 rackspaces | 102mm W x 204mm D | dual | |
| PCD-4-4-38SC* | 38 rackspaces | 102mm W x 102mm D | single | |
| PCD-4-8-38DC* | 38 rackspaces | 102mm W x 204mm D | dual | |

4cm width allows duct to be located in the 'no man's land' behind the rackrail, enabling cable management to the side of the installed components

raw duct, with no metal backing for easy field applications

*Plastic cable ducts can mount in between two racks, for 38 rackspace and higher sizes only

| Part # | Description | Qty |
|----------------|--|-----|
| PCD-1.5X2-4BK | plastic cable duct with cover, 38mm w x 51mm d x 152mm | 4 |
| PCD-1.5X4-4BK | plastic cable duct with cover, 38mm w x 51mm d x 152mm | 4 |
| PCDB-90-1.5-12 | brackets to mount plastic cable ducts, orients duct to face front/rear of rack | 12 |

Plastic Cable Ducts for 2-Post and 4-Post Racks

- Matches and integrates well with Middle Atlantic PCD Series ducts
- Available in single piece and 4 packs; includes hinged cover

EIA/TIA Compliant



PHCM-1-2

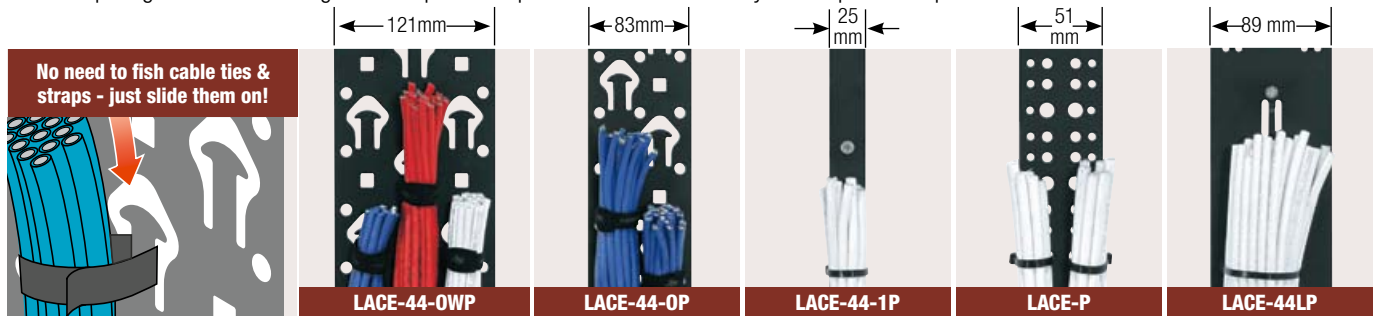
PHCM-1-4

PHCM-2-3

| Single Piece Part # | 4 Pack Part # | Description |
|---------------------|---------------|--|
| PHCM-1-2 | PHCM-1-2-P4 | 1 rackspace (44mm) plastic finger horizontal cable manager, 51mm deep |
| PHCM-1-4 | PHCM-1-4-P4 | 1 rackspace (44mm) plastic finger horizontal cable manager, 102mm deep |
| PHCM-2-3 | PHCM-2-3-P4 | 2 rackspace (89mm) plastic finger horizontal cable manager, 76mm deep |

Vertical Lacing Strips

Perforated steel lacer strips mount vertically to rackrail brackets and provide many locations for securing cable bundles. LACE-OWP and LACE-OP strips include tie posts for sliding on pre-wrapped cable bundles using 13mm hook-and-loop straps or cable ties. Some lacer strips also accept cage nuts or mounting of select power strips for increased versatility. All strips sold in packs of 6.



| Part # | Width | Racking Height | Tie Points | Qty | Compatible Cable Management Options | | | | |
|----------------|-------|------------------|---|-----|-------------------------------------|-------|-------|-----------|----------------------|
| | | | | | Cable Ties | TSW | TW-12 | Cage Nuts | Anti-Slip Cable Pads |
| LACE-5254-OWP* | 121mm | 52-54 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | ● |
| LACE-44-OWP* | 121mm | 44 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | ● |
| LACE-40-OWP* | 121mm | 40 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | ● |
| LACE-37-OWP* | 121mm | 37 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | ● |
| LACE-23-OWP* | 121mm | 23 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | ● |
| LACE-13-OWP* | 121mm | 13 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | ● |
| LACE-5254-OP | 83mm | 52-54 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | — |
| LACE-44-OP* | 83mm | 44 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | — |
| LACE-40-OP* | 83mm | 40 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | — |
| LACE-37-OP* | 83mm | 37 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | — |
| LACE-23-OP* | 83mm | 23 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | — |
| LACE-13-OP* | 83mm | 13 rackspaces | mixed slip-on posts, cage nut holes and round holes | 6 | ● | ● | ● | ● | — |
| LACE-44LP | 89mm | 44 rackspaces | raised cable tie points | 6 | ● | — | ● | — | — |
| LACE-37LP | 89mm | 37 rackspaces | raised cable tie points | 6 | ● | — | ● | — | — |
| LACE-P* | 51mm | 45 rackspaces | round holes | 6 | ● | ● | — | — | — |
| LACE-37P* | 51mm | 37 rackspaces | round holes | 6 | ● | ● | — | — | — |
| LACE-13P* | 51mm | 13 rackspaces | round holes | 6 | ● | ● | — | — | — |
| LACE-44-1SP | 25mm | 44 rackspaces | 10 pre-installed tie saddles | 6 | ● | incl. | ● | — | — |
| LACE-37-1SP | 25mm | 37 rackspaces | 9 pre-installed tie saddles | 6 | ● | incl. | ● | — | — |
| LACE-5254-1P | 25mm | 52-54 rackspaces | tie saddles | 6 | ● | ● | — | — | — |
| LACE-44-1P* | 25mm | 44 rackspaces | tie saddles | 6 | ● | ● | — | — | — |
| LACE-37-1P* | 25mm | 37 rackspaces | tie saddles | 6 | ● | ● | — | — | — |

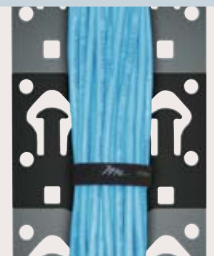
*NOTE: Also accepts mounting of PD Slim and PDT Series vertical power.

Anti-Slip Cable Pad

The Anti Slip Cable Pad is made with a high friction material and mounts to OWP Series lace strips. By reducing the tendency for vertical cable bundles to slip, these pads reduce the force required to secure cables, which in turn helps ensure that sensitive cables operate at their designed performance level.

- Reduces risk of over tightening of tie points to ensure proper cable performance
- High tack polymer material gives a permanent high friction surface
- Helps cable stay in place and not slip at tie points

| Part # | Qty |
|-----------|-----|
| ASP-OWP | 4 |
| ASP-OWP-6 | 24 |



Cable Management Straps

Fasten cable bundles securely while maintaining the integrity of the cable. TW12 reusable cable management straps are made from Velcro® and are perfect for managing cables that are sensitive to strain. These straps are 203mm long and are sold in 12 piece packs.

| Part # | Description | Qty |
|--------|-------------------------|-----|
| TW12 | 203mm cable/wire straps | 12 |



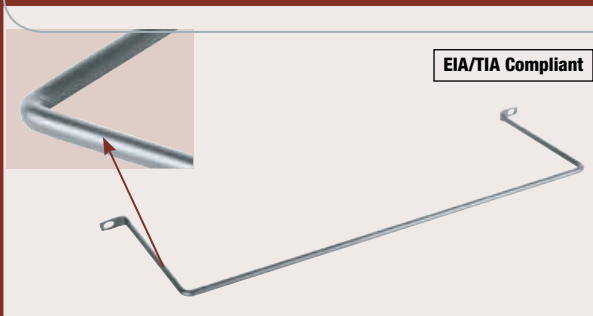
Cable Tie Saddles

Accommodates cable ties and hook & loop straps up to 19mm wide, including the TW12 cable management strap. Mounts to wall or specified LACE bars. Sold in packs of 15 and includes mounting hardware.

| Part # | Description | Qty |
|--------|------------------------------|-----|
| TSW-15 | cable tie saddles & hardware | 15 |



Horizontal Cable Bars



90° Bend Lacer Bars

These LBP-xxR90 series offset lacer bars are similar to our other offset round lacer bars, but feature 90° bends to provide full-width support. Can also be used to provide clearance around components that extend past the rear rackrail (422mm open width). 7mm diameter rod with flattened ends.

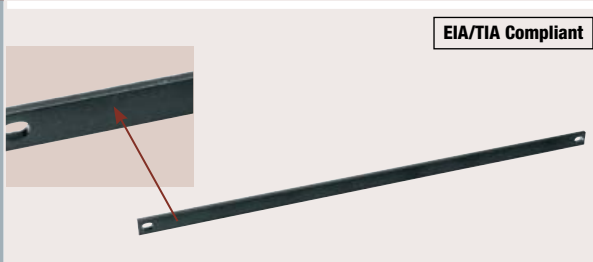
| Part # | Style | Qty | Part # | Style | Qty |
|------------|-----------------------------|-----|-----------|-----------------------------|-----|
| LBP-1.5R90 | 90°, 38mm offset round rod | 10 | LBP-6R90 | 90°, 152mm offset round rod | 10 |
| LBP-4R90 | 90°, 102mm offset round rod | 10 | LBP-10R90 | 90°, 254mm offset round rod | 10 |



Round Lacer Bars

Use the LBP-1R round lacer bar when a small profile is required and for lacing small or individual horizontal cable runs. 7mm diameter rod with flattened ends.

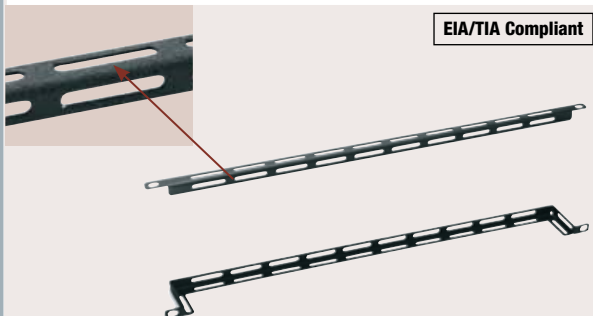
| Part # | Style | Qty |
|--------|-----------|-----|
| LBP-1R | round rod | 10 |



Rectangular Lacer Bars

Use the LBP-1S lacer bar when lacing cables vertically or horizontally. Aluminum construction provides the ability to drill holes to attach tie saddles, mount electrical boxes, etc. This lacer bar can also be used to support the rear of equipment. 5 mm thick aluminum, 7mm diameter rod with flattened ends.

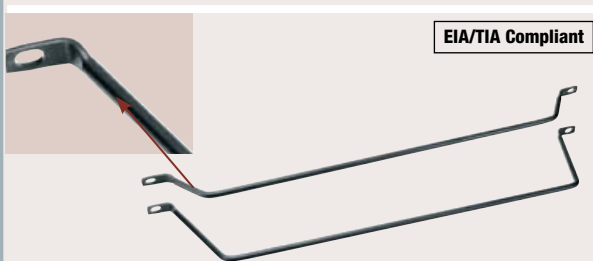
| Part # | Style | Qty |
|--------|-----------------|-----|
| LBP-1S | rectangular bar | 10 |



L-Shaped Lacer Bars

"L" shaped lacer bars are strong and provide fixed tie points. The LBP-2A, LBP-4A and LBP-6A have a 51mm, 102mm and 152mm offset, respectively. Choose the appropriate offset bar based on the distance from the rear of equipment to the rackrail.

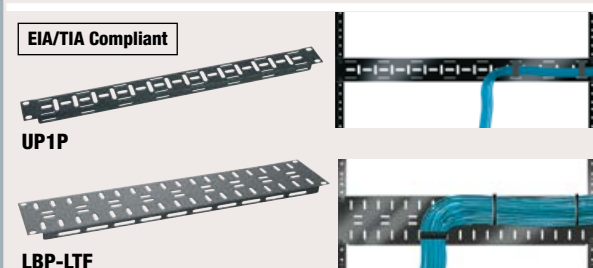
| Part # | Style | Qty | Part # | Style | Qty |
|--------|----------------------|-----|--------|-----------------------|-----|
| LBP-1A | "L" bar | 10 | LBP-4A | "L" bar, 102mm offset | 10 |
| LBP-2A | "L" bar, 51mm offset | 10 | LBP-6A | "L" bar, 152mm offset | 10 |



Round Lacer Bars with Offset

Use the LBP-1.5 & LBP-1R4 when lacing small bundles or individual cables off the rear of equipment, patch panels and other components to relieve cable stress from the connections. Choose the appropriate offset based on the distance from the rear of equipment to the rackrail. 7mm diameter rod with flattened ends.

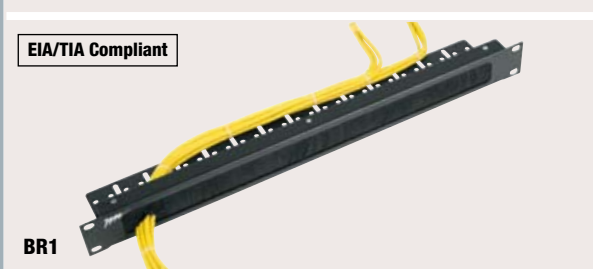
| Part # | Style | Qty | Part # | Style | Qty |
|---------|------------------------|-----|---------|-----------------------|-----|
| LBP-1R4 | 102mm offset round rod | 10 | LBP-1.5 | 38mm offset round rod | 10 |



Horizontal Lacer Panel

Use the LBP-LTF and UP1P for lacing large amounts of cable or mounting devices. Two rackspace high, the LBP-LTF features a large flange, numerous cable tie points & more surface for mounting.

| Part # | Racking Height | Pre-Pack Qty | Panel Width |
|---------|----------------|--------------|-------------|
| UP1P | 45mm (1 space) | 10 | 283mm |
| LBP-LTF | 89mm (2 space) | 10 | 283mm |



Brush Grommet Panel

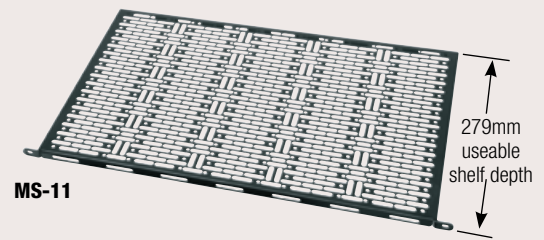
The brush grommet panel provides a clean, organized cable entry method when mounted above any work surface. Features a built-in cable management tray, available in one and two space versions. Also fits in opening on all MW Series top options.

| Part # | Racking Height | Part # | Racking Height |
|--------|----------------|--------|----------------|
| BR1 | 45mm (1 space) | BR2 | 89mm (2 space) |

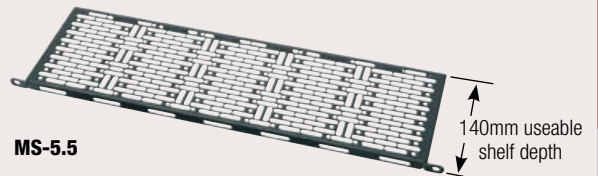
MS Series Shelves

This innovative new shelf was designed to mount small items conveniently in the front or rear of a rack while providing abundant cable management and device tie down points. Pattern of holes and slots accommodates nearly any mounting hole pattern, and can also be used for wire tie or other fastening approaches. Surprisingly strong for their size, these shelves will solve many of your small item mounting challenges in any standard rack. NOTE: Must be installed using standard 10-32 or 5mm rack screws into threaded rackrail.

| Part # | Useable Shelf Area (in mm) | Pre-Pack Qty | Weight Capacity |
|----------|----------------------------|--------------|-----------------|
| MS-11 | 13h x 445w x 279d | 1 | 7 kg |
| MS-11-4 | 13h x 445w x 279d | 4 | 7 kg |
| MS-5.5 | 1/2"h x 445w x 140d | 1 | 13 lbs. |
| MS-5.5-4 | 1/2"h x 445w x 140d | 4 | 13 lbs. |



MS-11



MS-5.5

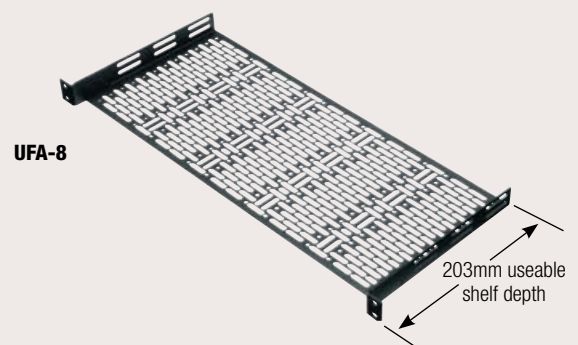
UFA Shelves and UFAF Face Panels

"Universal Face-After" shelves designed to mount small items conveniently in the front or rear of a rack while providing outstanding cable management and small device tie down points. These shelves feature the unique ability to mount a faceplate after the shelf is installed and populated, providing an attractive and secure covering.

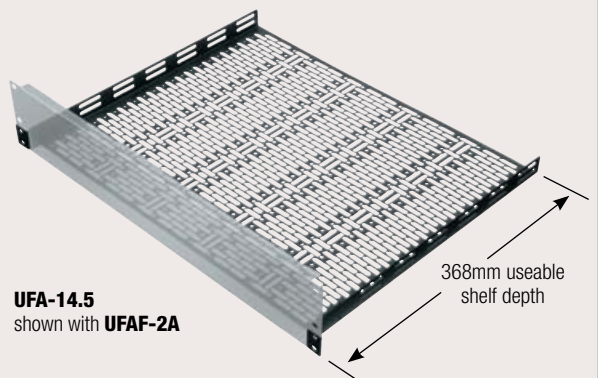
| Shelf Part # | Racking Height | Useable Shelf Area | Pre-Pack Qty | Weight Capacity | Included Panel |
|--------------|----------------|--------------------|--------------|-----------------|----------------|
| UFA-8 | 45mm (1 space) | 438mm w x 203mm d | 1 | 15 kg | — |
| UFA-8-4 | 45mm (1 space) | 438mm w x 203mm d | 4 | 15 kg | — |
| UFA-14.5 | 45mm (1 space) | 438mm w x 368mm d | 1 | 11 kg | — |
| UFA-14.5-4 | 45mm (1 space) | 438mm w x 368mm d | 4 | 11 kg | — |
| UFA-8-F1 | 45mm (1 space) | 438mm w x 203mm d | 1 | 15 kg | 1 space |
| UFA-8-F2 | 89mm (2 space) | 438mm w x 203mm d | 1 | 15 kg | 2 space |

| Panel Part #* | Racking Height | Finish |
|---------------|-----------------|----------------------------|
| UFAF-1 | 45mm (1 space) | black powder coat |
| UFAF-1A | 45mm (1 space) | black brushed and anodized |
| UFAF-2 | 89mm (2 space) | black powder coat |
| UFAF-2A | 89mm (2 space) | black brushed and anodized |
| UFAF-3 | 133mm (3 space) | black powder coat |
| UFAF-3A | 133mm (3 space) | black brushed and anodized |
| UFAF-4 | 178mm (4 space) | black powder coat |
| UFAF-4A | 178mm (4 space) | black brushed and anodized |

*Panels can be used with any UFA Shelf model



UFA-8

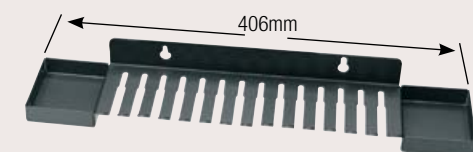


UFA-14.5
shown with UFAF-2A

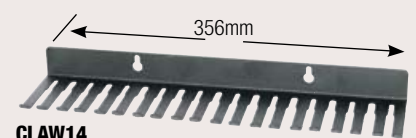
"The Claw" Cable Hanger

The unique dual-size "claw" configuration of this versatile wall mount cable hanger provides efficient storage for all cables large and small. Available with side trays for holding small items, or without side trays for increased storage density. Black powder coat finish.

| Part # | Dimensions |
|--------|--------------------------------------|
| CLAW | 406mm w x 89mm deep, with side trays |
| CLAW14 | 356mm w x 89mm deep |



CLAW



CLAW14

Horizontal Cable Managers

Hinged Horizontal Cable Managers

Conceal patch cables while providing cable strain relief with the hinged horizontal cable managers. These 19" cable managers provide a strong, attractive method for organizing patch cords and maintaining the required bend radius. The hinged front panel has a magnetic closure and conceals cables dressed between components and cable chases. Ample cable pass-throughs provided for dressing cables above, below, to the sides and behind the cable manager. Finished in a durable black powder coat.

 **EIA/TIA Compliant**

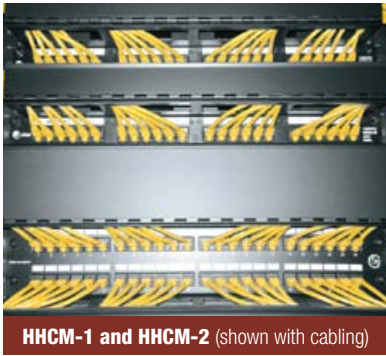
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product
info.
A&E



HHCM-2 (cover closed)



HHCM-2 (cover open)

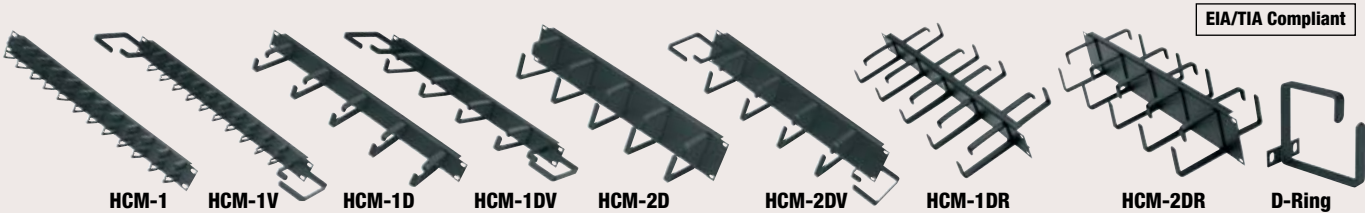


HHCM-1 and HHCM-2 (shown with cabling)

| Part # | Racking Height | Depth |
|--------|--------------------|-------|
| HHCM-1 | 45mm (1 rackspace) | 92mm |
| HHCM-2 | 89mm (2 rackspace) | 92mm |

Horizontal Cable Managers

Organize patch cords and maintain a required bend radius. Available in a wide variety of styles to suit any application. The D-Ring provides a creative solution for adding individual D-Rings to a rack or on a wall using appropriate fasteners. For optimal performance, do not exceed a 50% fill rate when passing cables through cable rings. Constructed from 16-gauge steel, and finished in a durable black powder coat.



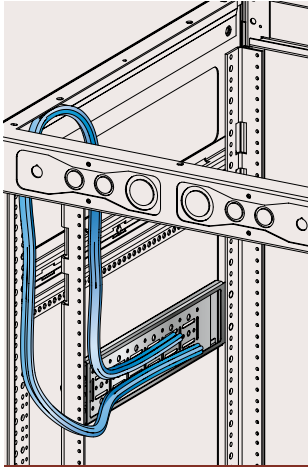
| Part # | Description | Panel Width | Cable Rings Fill Area | End Rings Fill Area |
|---------|---|-------------|-----------------------|---------------------|
| HCM-1 | 45mm (1 rackspace) "micro-clip" style | 19" | 22mm ² | — |
| HCM-1V | 45mm (1 rackspace) "micro-clip" style, w/ end D-Rings | 19" | 22mm ² | 190mm ² |
| HCM-1D | 45mm (1 rackspace) "D-Ring" style | 19" | 83mm ² | — |
| HCM-1DV | 45mm (1 rackspace) "D-Ring" style, w/ end D-Rings | 19" | 83mm ² | 190mm ² |
| HCM-2D | 64mm (2 rackspace) "D-Ring" style | 19" | 190mm ² | — |
| HCM-2DV | 64mm (2 rackspace) "D-Ring" style, w/ end D-Rings | 19" | 190mm ² | 190mm ² |
| HCM-1DR | 45mm (1 rackspace) "D-Ring", front & rear | 19" | 159mm ² | — |
| HCM-2DR | 64mm (2 rackspace) "D-Ring", front & rear | 19" | 381mm ² | — |
| D-Ring | wall mount/rackmount "D-Ring" | — | 190mm ² | — |

Telescoping Lacer Bar System for Managing Cable from Front to Rear and Side-to-Side

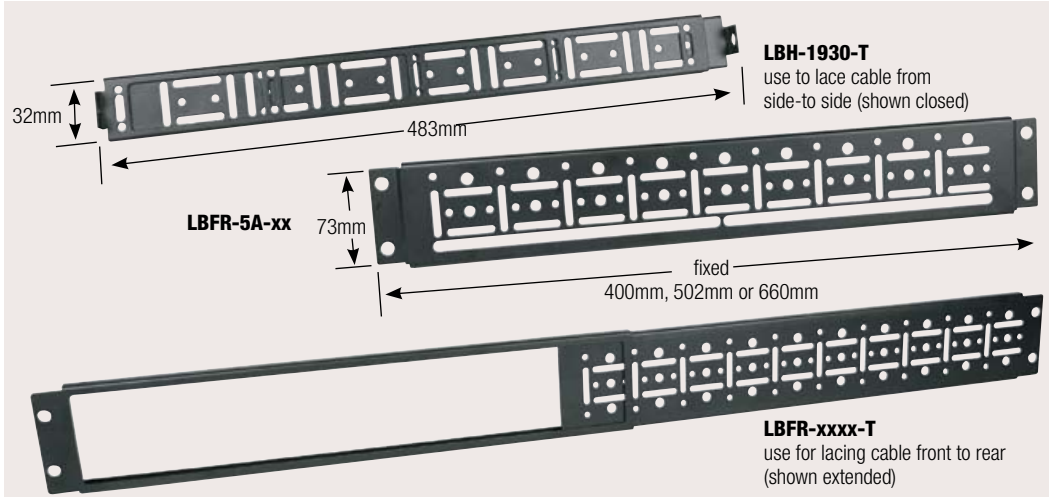
TAB/ETA COMPLIANT

LBH horizontal and LBFR front to rear lacer bars provide a configurable system for enhanced cable management with most installations. Telescoping lacer bars are adjustable to meet the specific mounting requirements of various enclosures. Unique design accepts mounting of Middle Atlantic Products vertical power strips and vertical lacer strips. Sold in packs of 2. NOTE: LBFR-A lacer bars have a fixed length and are not telescoping.

Spec. #
96-01058
for full
product
info.



Mount cables from front to rear



| Part # | Description | Telescoping Range (from mounting hole to mounting hole) | Useable Depth of Rack (requires rear rackrail) | Pre-Pack Qty |
|-------------|--|--|---|--------------|
| LBH-1930-T | horizontal telescoping lacer bar | 483mm to 762mm | — | 2 |
| LBFR-1626-T | front to rear telescoping lacer bar | 406mm to 660mm | 518mm to 695mm | 2 |
| LBFR-2036-T | front to rear telescoping lacer bar | 508mm to 914mm | 543mm to 949mm | 2 |
| LBFR-3650-T | front to rear telescoping lacer bar | 914mm to 1270mm | 949mm to 1305mm | 2 |
| LBFR-5A-16 | front to rear lacer bar (fits SAX and SSAX racks) | 368mm only | 406mm | 2 |
| LBFR-5A-20 | front to rear lacer bar (fits AXS, AX-SX, AX-SXR and SLIM 5 racks) | 461mm only | 508mm | 2 |
| LBFR-5A-26 | front to rear lacer bar (fits AXS-26 and 2152mm deep SLIM 5 racks) | 613mm only | 660mm | 2 |

Fiber/Cable Spools

Manage excess fiber or copper cable slack within a rack.

- Provides for proper bend radius for cables
- Available in 35mm, 76mm, and 203mm depth sizes
- 4-pack configurations include mounting hardware & 2 brackets to allow for making a complete circle
- 10-pack configurations specially designed to mount on Middle Atlantic Products MK Series cable management racks
- 2 rackspace panel includes two spools which can rotate in 90° intervals

Spec. #
96-01115
for full
product
info.



| Part # | Racking Height | Type | Part # | Racking Height | Type |
|----------|----------------|---------------|----------|------------------------------|---------------|
| PCS-1-4 | 35mm deep | 4 pieces | PCS-8-2H | 203mm deep | 2 space panel |
| PCS-3-4 | 76mm deep | 4 pieces | PCS-1-MK | 35mm deep Kit for MK Series | 10 pieces |
| PCS-8-4 | 203mm deep | 4 pieces | PCS-3-MK | 76mm deep Kit for MK Series | 10 pieces |
| PCS-1-2H | 35mm deep | 2 space panel | PCS-8-MK | 203mm deep Kit for MK Series | 10 pieces |
| PCS-3-2H | 76mm deep | 2 space panel | | | |



PCS-3-2H

Rackmount Cable Tray

Handy horizontal cable tray mounts on any 19" rack or cabinet & neatly routes cable bundles from side to side. Turn-downs on sides help maintain the required cable bend radius. Finished in a durable black powder coat.

EIA/TIA Compliant

| Part # | Racking Height |
|--------|--------------------|
| HCT-1 | 45mm (1 rackspace) |
| HCT-2 | 89mm (2 rackspace) |



HCT-1



Raised Floor Enclosure Support System™

Simplifies The Installation of Enclosures onto a Raised Floor or Slab

Time-saving and practical, the Raised Floor Enclosure Support System consists of riser bases 64mm high which provide the ability to perform field rough-in procedures prior to the arrival of the racks and enclosures. Also handy as a lower cable chase for passing cables between racks in multi-bay applications, riser bases feature 3mm thick fully welded construction and an attractive black powder coat finish. Riser bases feature knockouts for passing cable between joined riser bases. Riser feet bring top of riser bases to a 305mm height (or custom height) for use with raised floors. Raised floor support angles support floor tiles when used with riser bases and feet. Custom width, depth and height RIB Series riser bases are also available, please call for details.



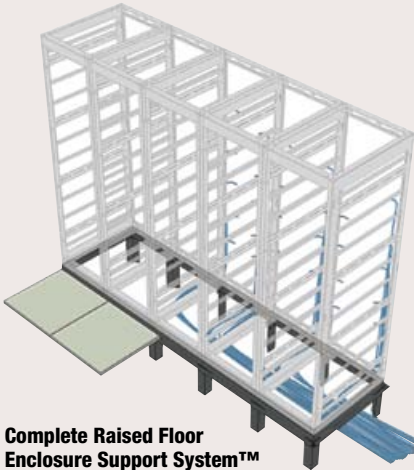
Spec. #
96-923
for full
product
info.

A&E



RIB Series Riser Base
shown with MRK racks
and custom cable chase

accommodates DRK, MRK,
VMRK, VRK, WMRK, and WRK
Series racks and enclosures



**Complete Raised Floor
Enclosure Support System™**
shown in typical raised
floor installation

example of riser
base in a raised
floor installation

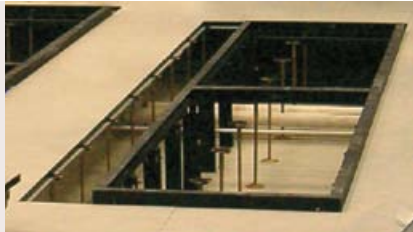
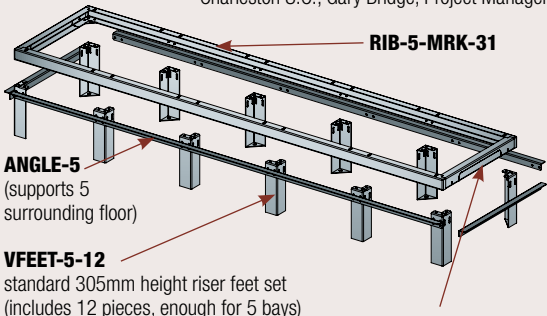


photo courtesy of VT Group,
Charleston S.C., Gary Bridge, Project Manager



custom height riser feet available,
please call for details

riser bases feature
cable pass-through laser
knockouts for use when
joining multiple bases

| RIB Series Riser Bases Part # | # of Bays | Raised Floor Riser Feet Part # | Raised Floor Support Angles Part # | Accommodates | RIB Series Riser Bases Part # | # of Bays | Raised Floor Riser Feet Part # | Raised Floor Support Angles Part # | Accommodates |
|-------------------------------------|-----------------|--------------------------------------|--|-------------------------|-------------------------------------|-----------------|--------------------------------------|--|--------------------------------|
| RIB-1-WRK-27 | 1 | VFEET-1-12 | WANGLE-1 | WRK 686mm deep racks | RIB-5-MRK-26 | 5 | VFEET-5-12 | ANGLE-5 | MRK 660mm depth racks |
| RIB-2-WRK-27 | 2 | VFEET-2-12 | WANGLE-2 | WRK 686mm deep racks | RIB-1-MRK-31 | 1 | VFEET-1-12 | ANGLE-1 | MRK/VMRK/VRK 787mm depth racks |
| RIB-3-WRK-27 | 3 | VFEET-3-12 | WANGLE-3 | WRK 686mm deep racks | RIB-2-MRK-31 | 2 | VFEET-2-12 | ANGLE-2 | MRK/VMRK/VRK 787mm depth racks |
| RIB-4-WRK-27 | 4 | VFEET-4-12 | WANGLE-4 | WRK 686mm deep racks | RIB-3-MRK-31 | 3 | VFEET-3-12 | ANGLE-3 | MRK/VMRK/VRK 787mm depth racks |
| RIB-5-WRK-27 | 5 | VFEET-5-12 | WANGLE-5 | WRK 686mm deep racks | RIB-4-MRK-31 | 4 | VFEET-4-12 | ANGLE-4 | MRK/VMRK/VRK 787mm depth racks |
| RIB-1-WRK-32 | 1 | VFEET-1-12 | WANGLE-1 | WRK 813 mm deep racks | RIB-5-MRK-31 | 5 | VFEET-5-12 | ANGLE-5 | MRK/VMRK/VRK 787mm depth racks |
| RIB-2-WRK-32 | 2 | VFEET-2-12 | WANGLE-2 | WRK 813 mm deep racks | RIB-1-MRK-36 | 1 | VFEET-1-12 | ANGLE-1-36 | MRK/VRK 914 mm depth racks |
| RIB-3-WRK-32 | 3 | VFEET-3-12 | WANGLE-3 | WRK 813 mm deep racks | RIB-2-MRK-36 | 2 | VFEET-2-12 | ANGLE-2-36 | MRK/VRK 914 mm depth racks |
| RIB-4-WRK-32 | 4 | VFEET-4-12 | WANGLE-4 | WRK 813 mm deep racks | RIB-3-MRK-36 | 3 | VFEET-3-12 | ANGLE-3-36 | MRK/VRK 914 mm depth racks |
| RIB-5-WRK-32 | 5 | VFEET-5-12 | WANGLE-5 | WRK 813 mm deep racks | RIB-4-MRK-36 | 4 | VFEET-4-12 | ANGLE-4-36 | MRK/VRK 914 mm depth racks |
| RIB-1-WMRK-36 | 1 | VFEET-1-12 | WMANGLE-1-3642 | WMRK 914 mm depth racks | RIB-5-MRK-36 | 5 | VFEET-5-12 | ANGLE-5-36 | MRK/VRK 914 mm depth racks |
| RIB-2-WMRK-36 | 2 | VFEET-2-12 | WMANGLE-2-3642 | WMRK 914 mm depth racks | RIB-1-MRK-42 | 1 | VFEET-1-12 | ANGLE-1-42 | MRK/VRK 1067mm depth racks |
| RIB-3-WMRK-36 | 3 | VFEET-3-12 | WMANGLE-3-3642 | WMRK 914 mm depth racks | RIB-2-MRK-42 | 2 | VFEET-2-12 | ANGLE-2-42 | MRK/VRK 1067mm depth racks |
| RIB-1-WMRK-42 | 1 | VFEET-1-12 | WMANGLE-1-3642 | WMRK 1067mm depth racks | RIB-3-MRK-42 | 3 | VFEET-3-12 | ANGLE-3-42 | MRK/VRK 1067mm depth racks |
| RIB-2-WMRK-42 | 2 | VFEET-2-12 | WMANGLE-2-3642 | WMRK 1067mm depth racks | RIB-1-DRK-31 | 1 | VFEET-1-12 | DANGLE-1-31 | DRK 787mm depth racks |
| RIB-3-WMRK-42 | 3 | VFEET-3-12 | WMANGLE-3-3642 | WMRK 1067mm depth racks | RIB-2-DRK-31 | 2 | VFEET-2-12 | DANGLE-2-31 | DRK 787mm depth racks |
| RIB-1-WMRK-48 | 1 | VFEET-1-12 | WMANGLE-1-48 | WMRK 1219mm depth racks | RIB-3-DRK-31 | 3 | VFEET-3-12 | DANGLE-3-31 | DRK 787mm depth racks |
| RIB-2-WMRK-48 | 2 | VFEET-2-12 | WMANGLE-2-48 | WMRK 1219mm depth racks | RIB-1-DRK-36 | 1 | VFEET-1-12 | DANGLE-1-3642 | DRK 914 mm depth racks |
| RIB-3-WMRK-48 | 3 | VFEET-3-12 | WMANGLE-3-48 | WMRK 1219mm depth racks | RIB-2-DRK-36 | 2 | VFEET-2-12 | DANGLE-2-3642 | DRK 914 mm depth racks |
| RIB-1-MRK-26 | 1 | VFEET-1-12 | ANGLE-1 | MRK 660mm depth racks | RIB-3-DRK-36 | 3 | VFEET-3-12 | DANGLE-3-3642 | DRK 914 mm depth racks |
| RIB-2-MRK-26 | 2 | VFEET-2-12 | ANGLE-2 | MRK 660mm depth racks | RIB-1-DRK-42 | 1 | VFEET-1-12 | DANGLE-1-3642 | DRK 1067 mm depth racks |
| RIB-3-MRK-26 | 3 | VFEET-3-12 | ANGLE-3 | MRK 660mm depth racks | RIB-2-DRK-42 | 2 | VFEET-2-12 | DANGLE-2-3642 | DRK 1067 mm depth racks |
| RIB-4-MRK-26 | 4 | VFEET-4-12 | ANGLE-4 | MRK 660mm depth racks | RIB-3-DRK-42 | 3 | VFEET-3-12 | DANGLE-3-3642 | DRK 1067 mm depth racks |

BGR and EGR options are shown on rack series pgs.

SRB Series Seismic Certified Riser Base & Accessories

SRB Series Seismic Certified Riser Base

Designed to provide the same cable management facilities as our standard riser bases, but may be used in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. The SRB Series seismic certified riser bases have been rigorously tested to satisfy the following codes and standards: 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity – Zone 4 or Seismic Design Category (SDC) “D”. These are designed for Mission Critical and/or High-Importance Installations in locations with the highest level of seismicity and top floor or rooftop installations including those within UBC and CBC Essential facilities or IBC, ASCE 7, and NFPA 5000 Seismic Use Group III facilities. For all codes, the Importance factor I_p is 1.5.

With standard 610mm height (custom heights available upon request), these riser bases are constructed of substantial 3mm gauge steel. Accepts standard angles to support surrounding raised floor tiles. Available for select enclosures, these riser bases require the use of seismic brackets (see below for part #s). Seismic certified riser bases on MRK, VRK, DRK, WMRK and WRK Series



| Part # | Description | Accommodates | Seismic Brackets (1) set required per rack | Part # | Description | Accommodates | Seismic Brackets (1) set required per rack |
|----------------|------------------|-------------------------------------|--|--|------------------|-------------------------|--|
| SRB-1-MRK-2624 | 1 bay riser base | MRK 660 mm depth racks | MRK-Z4 | SRB-2-WRK-3224 | 2 bay riser base | WRK 813mm depth racks | WRK-Z4 |
| SRB-2-MRK-2624 | 2 bay riser base | MRK 660 mm depth racks | MRK-Z4 | SRB-3-WRK-3224 | 3 bay riser base | WRK 813mm depth racks | WRK-Z4 |
| SRB-3-MRK-2624 | 3 bay riser base | MRK 660 mm depth racks | MRK-Z4 | SRB-1-WMRK-3124 | 1 bay riser base | WMRK 787mm depth racks | WMRK-Z4 |
| SRB-1-MRK-3124 | 1 bay riser base | MRK 787mm & VRK 787mm depth racks | MRK-Z4, VRK-Z4 | SRB-2-WMRK-3124 | 2 bay riser base | WMRK 787mm depth racks | WMRK-Z4 |
| SRB-2-MRK-3124 | 2 bay riser base | MRK 787mm & VRK 787mm depth racks | MRK-Z4, VRK-Z4 | SRB-1-WMRK-3624 | 1 bay riser base | WMRK 914mm depth racks | WMRK-Z4 |
| SRB-3-MRK-3124 | 3 bay riser base | MRK 787mm & VRK 787mm depth racks | MRK-Z4, VRK-Z4 | SRB-2-WMRK-3624 | 2 bay riser base | WMRK 914mm depth racks | WMRK-Z4 |
| SRB-1-MRK-3624 | 1 bay riser base | MRK 914 mm & VRK 914mm depth racks | MRK-Z4, VRK-Z4 | SRB-1-WMRK-4224 | 1 bay riser base | WMRK 1067mm depth racks | WMRK-Z4 |
| SRB-2-MRK-3624 | 2 bay riser base | MRK 914 mm & VRK 914mm depth racks | MRK-Z4, VRK-Z4 | SRB-2-WMRK-4224 | 2 bay riser base | WMRK 1067mm depth racks | WMRK-Z4 |
| SRB-3-MRK-3624 | 3 bay riser base | MRK 914 mm & VRK 914mm depth racks | MRK-Z4, VRK-Z4 | SRB-1-WMRK-4824 | 1 bay riser base | WMRK 1219mm depth racks | WMRK-Z4 |
| SRB-1-MRK-4224 | 1 bay riser base | MRK 1067mm & VRK 1067mm depth racks | MRK-Z4, VRK-Z4 | SRB-2-WMRK-4824 | 2 bay riser base | WMRK 1219mm depth racks | WMRK-Z4 |
| SRB-2-MRK-4224 | 2 bay riser base | MRK 1067mm & VRK 1067mm depth racks | MRK-Z4, VRK-Z4 | SRB-1-DRK-3124 | 1 bay riser base | DRK 787mm depth racks | MRK-Z4 |
| SRB-3-MRK-4224 | 3 bay riser base | MRK 1067mm & VRK 1067mm depth racks | MRK-Z4, VRK-Z4 | SRB-2-DRK-3124 | 2 bay riser base | DRK 787mm depth racks | MRK-Z4 |
| SRB-1-MRK-4824 | 1 bay riser base | MRK 1219mm & VRK 1219mm depth racks | MRK-Z4, VRK-Z4 | SRB-1-DRK-3624 | 1 bay riser base | DRK 787mm depth racks | MRK-Z4 |
| SRB-2-MRK-4824 | 2 bay riser base | MRK 1219mm & VRK 1219mm depth racks | MRK-Z4, VRK-Z4 | SRB-2-DRK-3624 | 2 bay riser base | DRK 787mm depth racks | MRK-Z4 |
| SRB-3-MRK-4824 | 3 bay riser base | MRK 1219mm & VRK 1219mm depth racks | MRK-Z4, VRK-Z4 | SRB-1-DRK-4224 | 1 bay riser base | DRK 1067mm depth racks | MRK-Z4 |
| SRB-1-WRK-2724 | 1 bay riser base | WRK 686mm depth racks | WRK-Z4 | SRB-2-DRK-4224 | 2 bay riser base | DRK 1067 depth racks | MRK-Z4 |
| SRB-2-WRK-2724 | 2 bay riser base | WRK 686mm depth racks | WRK-Z4 | SRB-1-DRK-4824 | 1 bay riser base | DRK 1219mm depth racks | MRK-Z4 |
| SRB-3-WRK-2724 | 3 bay riser base | WRK 686mm depth racks | WRK-Z4 | SRB-2-DRK-4824 | 2 bay riser base | DRK 1219mm depth racks | MRK-Z4 |
| SRB-1-WRK-3224 | 1 bay riser base | WRK 813mm depth racks | WRK-Z4 | Custom heights & depths available on request 229mm-610mm | | | |

Protective Grommet Strip

Place this flexible grommet material around openings and knockouts for additional cable protection. Fits any material up to 3mm thick. Includes 9 m of black grommet.



| Part # | Description |
|--------|--------------|
| GR-30 | grommet, 9 m |

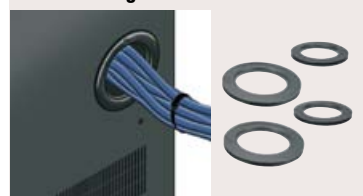
Grommets

Grommets protect cables, and can be used on any 103mm trade-size electrical knockout or used on 116mm fan knockouts on Middle Atlantic Products top options. Allows for ganging without using expensive electrical fittings. GK-4G gland grommet blocks dust and helps control airflow.



| Part # | Description | Qty |
|---------|-------------------------------|-----|
| GK-1X7G | 25 x 178mm gland grommet ring | 4 |
| GK-3G | 76mm gland grommet ring | 4 |
| GK-4G | 10mm gland grommet | 4 |
| GK4 | 10mm grommet ring | 4 |

Grommet Ring - GK4



Gland Grommet - GK-4G





Rack Accessories



To complete an installation and to maximize its utility, designers and installers include products from this section. Don't be fooled by the term "accessories" – these products are essential! For example, controlling air infiltration with blank panels and custom face rackmounts may be an important element of the thermal management design, while effective use of products in this section to mount non-rackmount items can actually save rackspace.

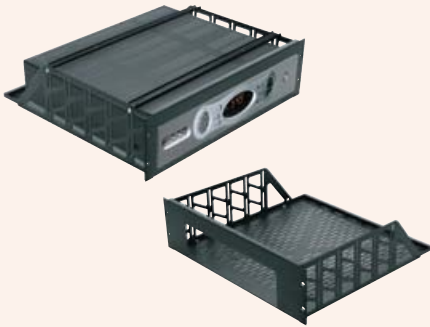
Products in this section include storage solutions such as shelves and drawers, human interface solutions such as monitor mounts and pull-out computer keyboards, and rack finishing products such as blank, vent, and security panels. Choosing the right products results in a professional appearance and helps assure proper system function and utility.

Please see the product groupings listed on the facing page. If you need help, please call or email our technical support group for assistance at +973-839-1011.



**Custom Face
Rackmounts**

102-103



**Media Holders
and Trim Strips**

104



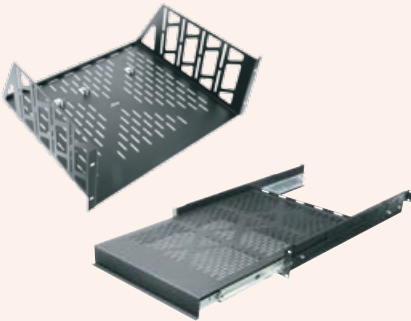
**Rackmount
Storage**

105-106



Rackshelves

107-112



**Keyboard Shelves
and Work Surfaces**

113



**Rackmount LCD Keyboard
and LCD Rackmount**

114



**UCP Panel, Rackmount Chassis
and Access Panels**

115



**Installation
Helpers**

116-117



**Security Covers
and Access Control**

118



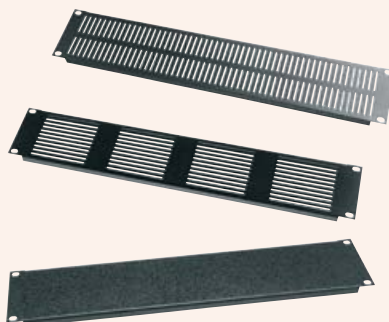
**Rack
Accessories**

119



**Vent and Blank
Panels**

120-121



**Rack
Screws**

122



RSH Series Custom Face Rackmounts

The Professional's Choice for Mounting and Trimming Non-Rackmount Components



Installation by Intra Home Systems



EIA/TIA Compliant



Spec. #
96-034

for full
product
info.

(Component)

Spec. #
96-999

for full
product
info.

(LCD)

With the innovative RSH custom rackmounts, virtually any component can be installed in a standard 19" enclosure without modification. Custom cut to provide a perfect opening for the face of the component that is being mounted, each RSH unit provides a neatly-trimmed installation with a perfect fit and no gaps. With accurate details on over 9,500 components in our measured unit database, chances are we have the component needed on file.

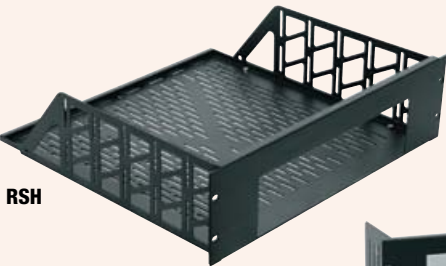
Unit assembles easily in minutes and includes rear brackets to prevent the mounted component from sliding back. Fully ventilated ears and bottom promote cooling. Depending on the needs of the installation, the units can be ordered with a black textured finish (model RSH4S) or a black brushed and anodized finish (model RSH4A). Bottom depths are automatically provided in 292 mm, 356mm, 394mm, 445mm, or 521mm styles. Custom rackmounts will accept any component up to 451mm wide. Individual custom faces (less rack ears and shelf bottom) are also available in a black textured finish (model SFACE) or a black brushed and anodized finish (model AFACE). LCD rackmounts also available to mount most LCD monitors with up to a 17" screen size or with a maximum width of 451 mm.

NOTE: custom rackshelf height is specified at the factory based on physical restrictions. Visit middleatlantic.com to find heights on all measured components, or design the system in RackTools® or Visio® Blocks, which are both updated regularly with the latest components.

| Part# & Finish | Matching Finish | Pg. |
|--|-----------------------------------|-----|
| RSH4A black brushed and anodized | QFP Quiet Fan Panels | 80 |
| | FP Fan Panels | 79 |
| | TA Trim Strip | 100 |
| | Media Holders (CD, CD-1, DVD) | 100 |
| | D Series Rack Drawers | 101 |
| | VTP, EVTA Ventilation Panels | 117 |
| | BL, HBL Blank Panels | 118 |
| RSH4S black textured powder coat | QTFP Quiet Fan Panels | 80 |
| | TFP Fan Panels | 80 |
| | TS Trim Strip | 100 |
| | Media Holders (TCD) | 100 |
| | TD Series Rack Drawers | 101 |
| | VT, EVT Ventilation Panels (flat) | 117 |
| | SB Blank Panels | 118 |



Click for quick access to measured unit database



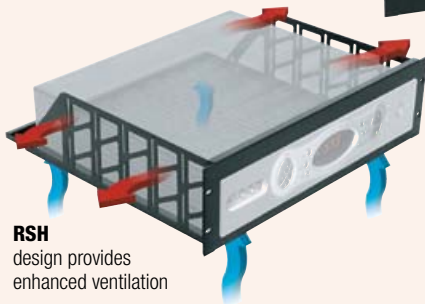
RSH



See pg. 146 for custom rackshelves for media docks



RSH
LCD mounts



RSH
design provides
enhanced ventilation



PD-815SC-PBSH
rear mount power
option available

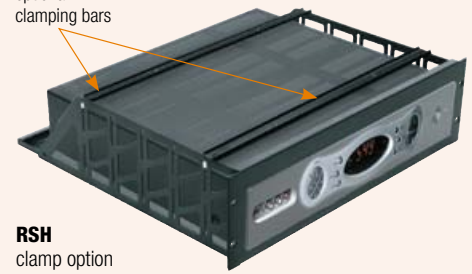
RSH Clamp Options

When dealing with mobile applications, seismic issues, or for transporting the finished system to the job site, use the RSH clamp option to secure components to the shelf. Clamping bars have rubber bumpers to maintain a tight grip while keeping components scratch-free.

| Part # | Finish |
|--------|---|
| RSH4A | black brushed and anodized custom rackshelf |
| RSH4S | black textured powder coat custom rackshelf |
| -C | clamp kit |

| Part # | Finish |
|--------|--------------------------------|
| AFACE | black anodized face plate only |
| SFACE | black textured face plate only |

-C
optional
clamping bars



RSH
clamp option
(shown with
component installed)

Installation by Intra Home Systems



Ordering Instructions

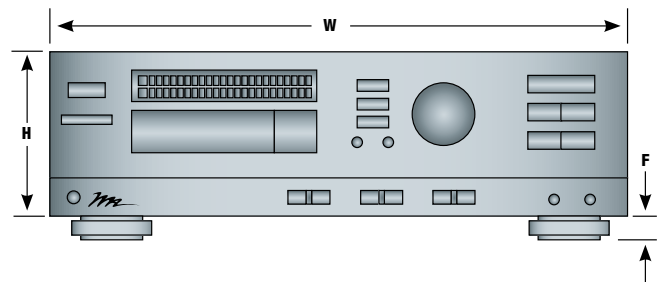
Visit middleatlantic.com to see if the dimensions for the component to be rackmounted already exist among the over 9,500 on file. If we don't have the dimensions, we strongly suggest that you insure the component and ship it to us via UPS so that we may accurately measure it. We will ship the component back to you insured, the next day. The complete custom rackmount will follow within the next 2 business days.

A second ordering option for custom mounting components with dimensions we don't have on file is to fax us the measurements using the form on this page. The W, H, and F dimensions shown in the illustration MUST be accurate within 0,8mm, depth can be within 3mm. The use of dimensions provided in the component's owner's manual are NOT acceptable. Please measure carefully as RSH units are custom-made and non-returnable.

If we need dimensions please photocopy, fill in and fax to 973-839-1076

| | |
|----------------|--|
| Company Name: | Phone: |
| Contact Name | Fax: |
| P.O.#: | <input type="checkbox"/> Black brushed & anodized finish |
| | <input type="checkbox"/> Black textured finish |
| Make: | Model: |
| W=face width: | H=face height: |
| F=foot height: | Depth: |

Please visit our website for a complete list of measured components.





Media Holders and Trim Strips

Front-Loading Media Holders

Store CDs, DVDs, and other recorded media in our rackmount media holders. Partitioned to prevent the contents from tipping, each model features a 16-gauge flanged aluminum face and has a black brushed and anodized or a textured black powder coat finish. All stored media protrudes 10mm to allow quick retrieval.



DVD



CD



CD-1

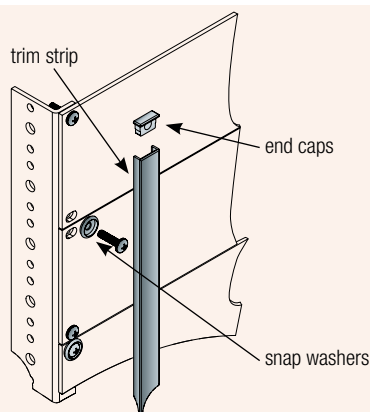
DVD holder accommodates
DVDs; PS3®, Xbox 360®,
Wii® games; Blu-ray®,
HD-DVD, DVD-Audio media



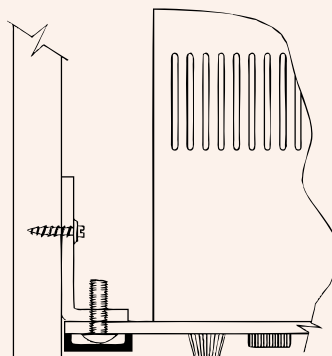
| Black Anodized Part # | Black Textured Part # | Fits | Racking Height | Depth |
|-----------------------|-----------------------|---|-----------------|-------|
| DVD | — | 28 DVDs; PS3®, Xbox 360®, Wii® games; Blu-ray®, HD-DVD, DVD-Audio media | 222mm (5 space) | 140mm |
| CD | TCD | 40 compact discs, SA-CD | 178mm (4 space) | 146mm |
| CD-1 | — | 6 CDs | 45mm (1 space) | 140mm |

Trim Strips

As a final aesthetic complement to any installation, add our finishing trim strips. A quick, clean and effective method of covering rack screws once the job is complete. Each channel-shaped trim strip measures 45 spaces (2m long), and features internal grooves that fit into the supplied snap washers. Offered in black brushed and anodized or black powder coat finish, trim strips are cut easily to size with a hacksaw. Sold in individual strips.



TA/TS mounting method



trim strip profile (top view)



without trim strip installed

with trim strip installed

| Part # | Finish | Includes |
|--------|--------------------------|---|
| TA | black brushed & anodized | mounting screws (16), snap washers (16), end caps (8) |
| TS | black powder coat | mounting screws (16), snap washers (16), end caps (8) |

Rack Drawer Quick Reference Guide

| Series | No-Slip Drawer Mat | Rear Cable Gland Grommet | Keylock | Finish | Application |
|--------|--------------------|--------------------------|----------|----------------|-----------------------------|
| D* | included | included | optional | black anodized | matching aesthetic finishes |
| TD* | included | included | optional | black textured | utility |
| TD8FLK | optional | — | included | black textured | hanging file drawer |
| UD | optional | — | optional | flat black | utility |

*5 space drawers do not include grommet and drawer mat

Heavy-Duty D and TD Series Drawers

Fully enclosed top with inside dimensions measuring 403mm wide by 368mm deep, the D and TD Series drawers feature spring-loaded latches and rugged, straight-forward construction. Installed keylock option available. 2, 3 and 4 space models include drawer mat and rear cable grommet at no extra charge!

| Black Anodized Part #* | Black Textured Part #* | Racking Height |
|------------------------|------------------------|-----------------|
| D2 | TD2 | 89mm (2 space) |
| D3 | TD3 | 133mm (3 space) |
| D4 | TD4 | 178mm (4 space) |
| D5 | TD5 | 222mm (5 space) |
| — | TD8FLK** | 356mm (8 space) |

*Suffix part # with "LK" for installed keylock option.
**includes 216mm x 279mm letter size file hanging kit and installed keylock.



Utility Rackshelves

- Accommodate components up to 441mm wide
- Made from 16-gauge steel
- Finished in a durable black powder coat
- Individually boxed

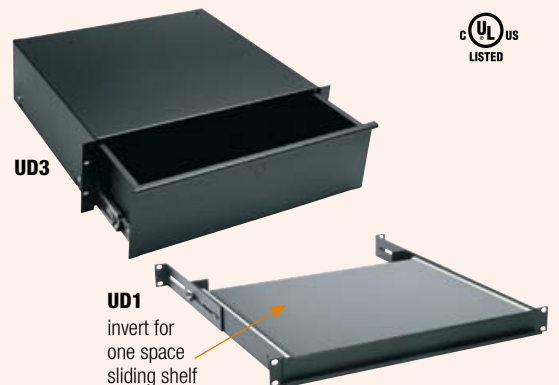
| Part # | Racking Height | Overall Depth | Useable Depth | Weight Capacity |
|--------|------------------|---------------|---------------|-----------------|
| U1 | 45 mm (1 Space) | 273 mm | 258 mm | 15 kg |
| U2 | 89 mm (2 Space) | 370 mm | 365 mm | 22 kg |
| U3 | 133 mm (3 Space) | 370 mm | 365 mm | 31 kg |
| U4 | 178 mm (4 Space) | 394 mm | 389 mm | 38.0 kg |

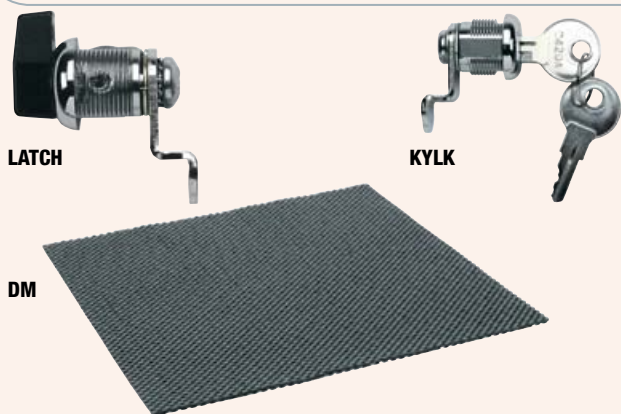
Master Pack Quantity Discount Available - please call

UD Series Utility Drawers

The UD Series drawers offer an economical rack storage solution. Full extension ball bearing slides extend a full 356mm to reveal inside dimensions measuring 403mm wide by 368mm deep. Each model comes with a face formed drawer pull. User-installed latch and keylock are available options. Black powder coat finish.

| Part # | Racking Height | Part # | Description |
|--------|-----------------|--------|------------------------|
| UD1 | 45mm (1 space) | LATCH | user installed latch |
| UD2 | 89mm (2 space) | KYLK | user installed keylock |
| UD3 | 133mm (3 space) | | |
| UD4 | 178mm (4 space) | | |



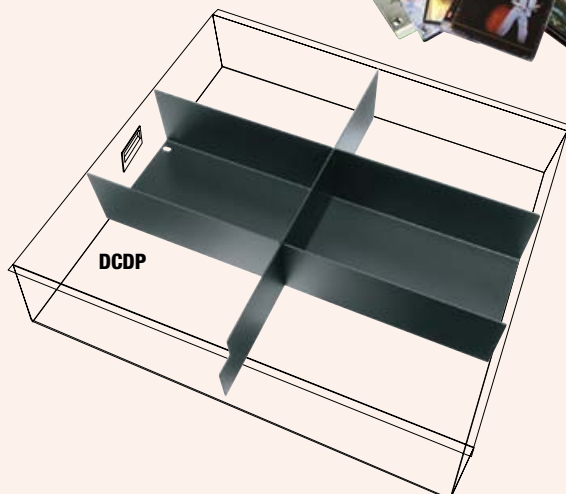


LATCH

KYLK

DM

DVD partition accommodates DVDs;
PS3®, Xbox 360®, Wii® games;
Blu-ray®, HD-DVD, DVD-Audio media



DCDP

Drawer Accessories

| Part # | Description |
|---------|--|
| LATCH | user installed UD latch |
| KYLK | user installed UD keylock |
| ACC-KEY | additional set of keys for drawers and LBX |
| DM | no-slip drawer mat |

Media Partitions for D, TD, and UD Series Drawers

Partition your D, TD, and UD Series drawers for media storage. Featuring a snap-together fit, these partitions are also handy for small parts and misc. hardware.

| Part # | Fits | Accommodates |
|--------|--------------|---|
| DCDP | D4, TD4, UD4 | 103 CDs, SA-CD |
| DVDP | D4, TD4, UD4 | 40 DVDs; PS3®, Xbox 360®, Wii® games; Blu-ray®, HD-DVD, DVD-Audio media |

Lockboxes

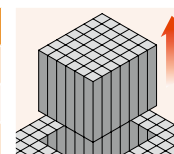
Safely secure gear in a rackmount LBX Series lockbox. 229 mm depth and 432 mm interior width, 3 and 4 space models are offered with a durable black powder coat finish.

| Part # | Racking Height | Depth |
|--------|-----------------|-------|
| LBX-3 | 133mm (3 space) | 229mm |
| LBX-4 | 178mm (4 space) | 229mm |

Customizable Foam Inserts

Customizable foam inserts can be modified to hold any accessory tightly in place. Protects sensitive equipment and tools from shifting or becoming damaged when drawers are opened and closed. Fits any Middle Atlantic Products drawer.

| Part # | Description |
|--------|---|
| FI-2 | customizable foam insert, fits 2 space drawer |
| FI-3 | customizable foam insert, fits 3 space drawer |
| FI-4 | customizable foam insert, fits 4 space drawer |



foam sections removable
to fit snug against sensitive
tools and equipment



LBX-3



standard keylock

FI-2

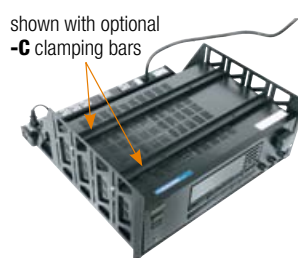


Fully Vented Utility Shelves

Convenient one-space shelf has high-performance features

- Available in one space size for smaller electronic components
- Fully ventilated bottom and side areas for maximizing heat dissipation
- Includes 3 adjustable brackets to prevent components from sliding backwards
- Allows attachment of optional clamping bars to secure components

| Part # | Racking Height | Overall Depth* | Useable Depth | Weight Capacity |
|--------|-----------------|----------------|---------------|-----------------|
| U1V | 44mm (1 space) | 273mm | 264mm | 15 kg |
| U2V | 89mm (2 space) | 370mm | 365mm | 22 kg |
| U3V | 133mm (3 space) | 370mm | 365mm | 31 kg |
| U4V | 178mm (4 space) | 393mm | 389mm | 38 kg |



UV 4 Contractor Packs

Convenient package saves space and waste

- Includes four U1V vented shelves
- Ideal for installations that require multiple shelves
- Saves time and space, with less packaging

| Part # | Racking Height | Overall Depth* | Useable Depth | Pre-Pack Qty | Weight Capacity |
|--------|-----------------|----------------|---------------|--------------|-----------------|
| U1V-4 | 44mm (1 space) | 273mm | 264mm | 4 | 15 kg |
| U2V-4 | 89mm (2 space) | 370mm | 365mm | 4 | 22 kg |
| U3V-4 | 133mm (3 space) | 370mm | 365mm | 4 | 31 kg |
| U4V-4 | 178mm (4 space) | 393mm | 389mm | 4 | 38 kg |

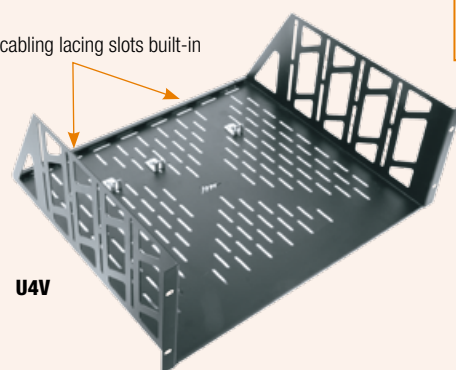


EIA/TIA Compliant

Spec. #
96-047
for full
product
info.

A&E

cabling lacing slots built-in



U4V



U4V



Utility Rackshelves

- Accommodate components up to 441 mm wide
- Made from 1,59mm-gauge steel
- Finished in a durable black powder coat
- Individually boxed

| Part # | Racking Height | Overall Depth | Useable Depth | Weight Capacity |
|--------|------------------|---------------|---------------|-----------------|
| U1 | 45mm (1 Space) | 273 mm | 256 mm | 15 kg |
| U2 | 89mm (2 Space) | 370 mm | 365 mm | 22 kg |
| U3 | 133mm (3 Space) | 370 mm | 365 mm | 31 kg |
| U4 | 178 mm (4 Space) | 394 mm | 389 mm | 38 kg |

Master Pack Quantity Discount Available - please call



EIA/TIA Compliant



Spec. #
96-047
for full
product
info.

A&E



U2

Partially Vented Deep Utility Shelf

451mm deep by 133mm high, this partially vented rackshelf has a 27 kg weight capacity and a rear flange slotted for horizontal cable management. Constructed from 1,59mm-gauge steel and finished in a black powder coat.

| Part # | Racking Height | Overall Depth | Useable Depth | Weight Capacity |
|--------|-----------------|---------------|---------------|-----------------|
| U317 | 133mm (3 space) | 454mm | 451mm | 27 kg |



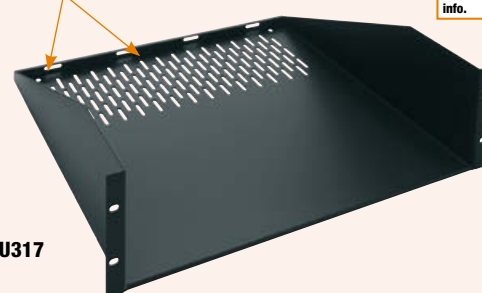
EIA/TIA Compliant



Spec. #
96-047
for full
product
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A&E

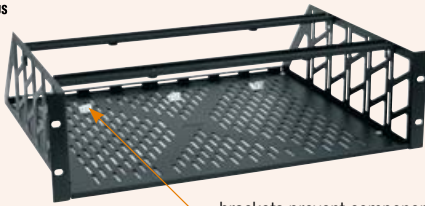
cabling lacing slots built-in



U317

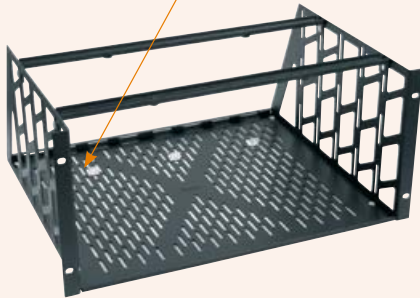


RC-3



brackets prevent components from sliding backwards

CAP5



EIA/TIA Compliant

Spec. #
96-01060
for full
product
info.

OCAP-3



provides an air gap
above and below device



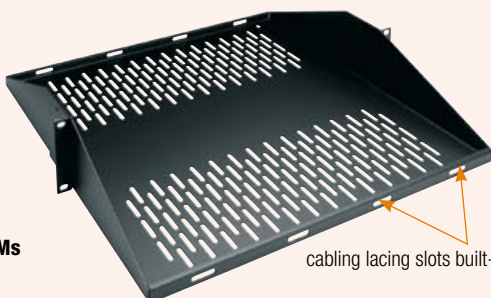
EIA/TIA Compliant

Spec. #
96-01114
for full
product
info.



VRS

U2Ms



cabling lacing slots built-in

Clamping Rackshelves

Captivate components with RC and CAP Series clamping rackshelves. Rubber-lined clamps secure a component from the top. Adjustable rear "L" brackets prevent units from being pushed back. Vented bottoms with a robust 1,59mm-gauge steel design that maintains structural integrity in mobile applications. Finished in a durable black powder coat. Useable shelf area is 442 mm wide x 384 mm depth.

| Type | Part # | Racking Height | Clamp Height Range | Weight Capacity |
|-------------------|--------|------------------|--------------------|-----------------|
| ships assembled | RC-2 | 89 mm (2 Space) | 25–70 mm | 22 kg |
| | RC-3 | 133 mm (3 Space) | 70–117 mm | 31 kg |
| | RC-4 | 178 mm (4 Space) | 114–162 mm | 38 kg |
| ready to assemble | CAP5 | 222 mm (5 Space) | 162–206 mm | 45 kg |
| | CAP6 | 89 mm (6 Space) | 203–251 mm | 45 kg |
| | CAP7 | 133 mm (7 Space) | 248–295 mm | 45 kg |
| | CAP8 | 356 mm (8 Space) | 292–340 mm | 45 kg |

Cable/Satellite Box Captivating Rackshelf

Superior ventilation for cable and satellite boxes or any components that generate considerable heat. Adjustable rubber lined clamping bars on the top and bottom secure components and the open design allows a higher level of equipment density within the rack. Constructed from 16-gauge steel, finished in a durable black powder coat.



use 2 space model for highest density equipment mounting



use 3 space model for greater heat dissipation

| Part # | Racking Height | Depth | Weight Capacity | Useable Height |
|--------|------------------|-------|-----------------|----------------|
| OCAP-2 | 89 mm (2 Space) | 356mm | 11,34 kg | 67mm |
| OCAP-3 | 133 mm (3 Space) | 356mm | 11,34 kg | 111mm |

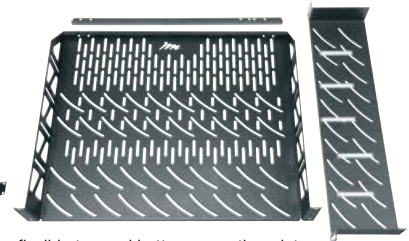
VRS Vertical Rackmount Shelf

Space-saving rackmount shelf holds up to 6 satellite or cable boxes vertically and eliminates need for individual shelves.

- Perfect for installations w/multiple video sources such as sports bars, gyms, hotels
- Universal fit accommodates most popular box sizes
- Saves time, trouble and space – by removing need for individual shelves

| Part # | Description |
|--------|---------------------------|
| VRS | vertical rackmount system |

Ideal for use with
FTA fan tray system,
see pg. 79



flexible top and bottom mounting plates

Vented Center Mount Shelf

- Supports up to 22 kg
- 2 space (89mm)
- 457mm deep
- Vented bottom aids cooling
- Durable black powder coat finish

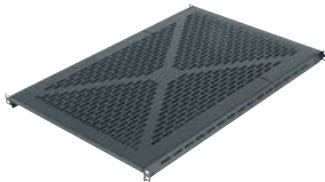
| Part # | Racking Height | Useable Shelf Area | Weight Capacity |
|--------|----------------|---------------------|-----------------|
| U2MS | 89mm (2 space) | 439mm x 457mm depth | 22 kg |

Telescoping Full Depth Heavy Duty 4-Point Rackshelf

The most versatile, heavy duty shelf available! Unlike standard adjustable shelves, the entire VSA shelf telescopes to reach rear rail, providing a range of useable depths from 406mm to 1118mm. Providing the greatest useable depth in its class and featuring a 181 kg weight capacity, the heavy-duty VSA is ideal for even the deepest components. Constructed of hemmed 16-gauge steel and finished in a durable black powder coat, the VSA is **fully vented** for superior cooling and features many tie points for enhanced cable management.

| Part # | Racking Height | Overall Depth | Weight Capacity |
|----------|---------------------|--|-----------------|
| VSA-1626 | 38mm (<1 rackspace) | 438mm width x 406mm (min.) to 660mm (max) depth | 181 kg |
| VSA-2744 | 38mm (<1 rackspace) | 438mm width x 686mm (min.) to 1118mm (max) depth | 181 kg |

Easy to mount design requires less open rackspace to install other than 4-point shelves

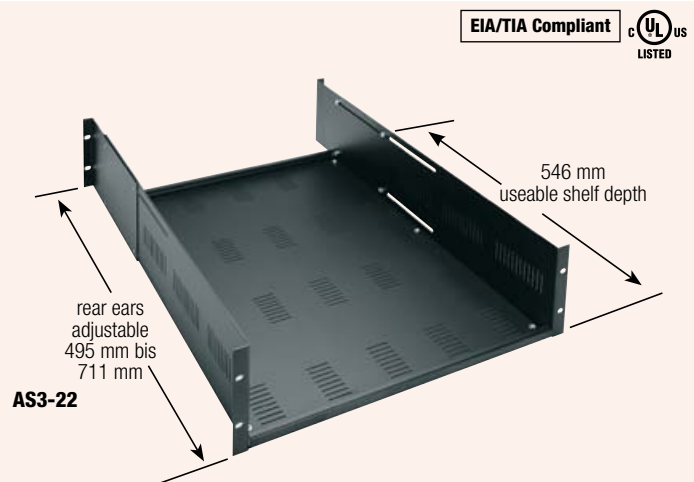
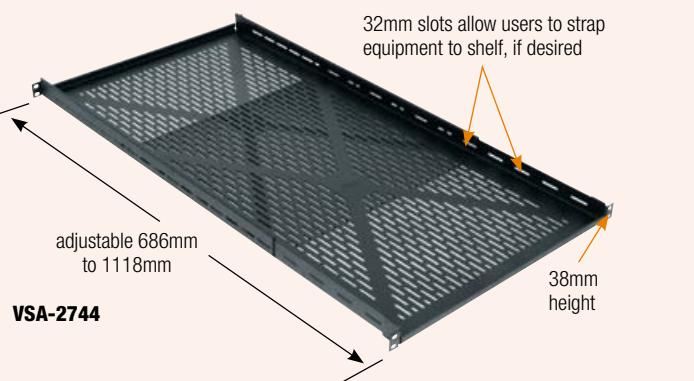
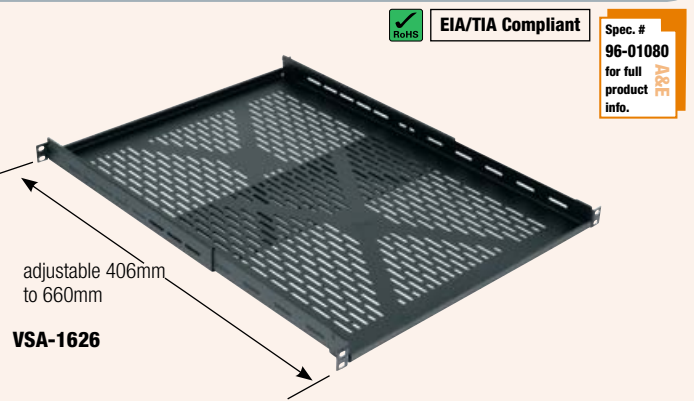


HOT TIP! Increase useable width from 437mm to the useable width of the enclosure by inverting the VSA shelf!

Adjustable 4 Point Rackshelf

With a front to rear mounting adjustment range from 495mm to 711mm deep, the versatile AS3-22 shelf is vented and rackmounts most video decks and tower CPUs. Built expressly for heavy equipment, ships ready-to-assemble with included hardware and supports 136 kg. NOTE: Fits in racks with a minimum 495 mm from front to rear rail.

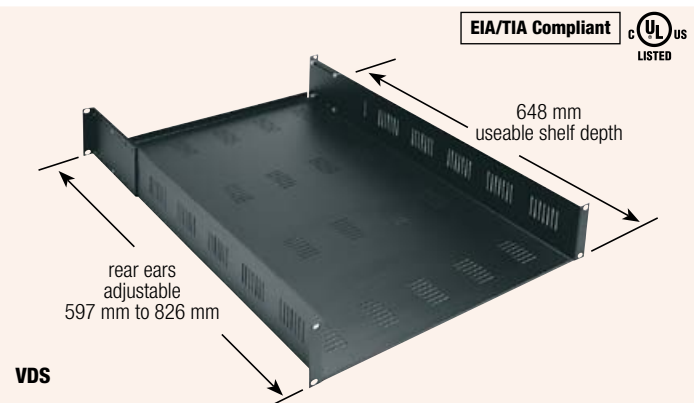
| Part # | Racking Height | Shelf Area | Weight Capacity |
|--------|----------------------|---------------------------|-----------------|
| AS3-22 | 133 mm (3 rackspace) | 441mm width x 546mm depth | 136 kg |



Adjustable Deep Rackshelf

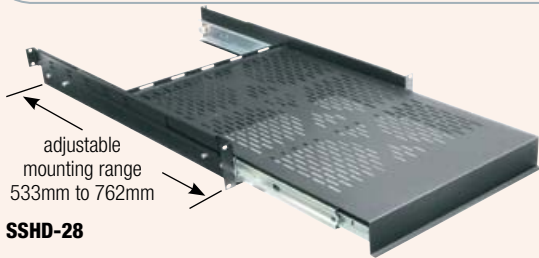
The VDS shelf is a partially vented mounting solution for most deep equipment. This shelf has a front to rear mounting adjustment range from 597 mm to 813 mm. NOTE: Fits in racks with a minimum 597 mm from front to rear rail.

| Part # | Racking Height | Shelf Area | Weight Capacity |
|--------|--------------------|-----------------------------|-----------------|
| VDS | 89mm (2 rackspace) | 441 mm width x 648 mm depth | 45 kg |





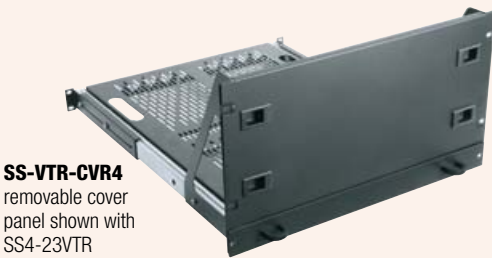
Rackshelves - Sliding



SSHD-28



SS4-23VTR



SS-VTR-CVR4
removable cover
panel shown with
SS4-23VTR



UD1



Spec. #
96-01105
for full
product
info.

Heavy-Duty Sliding Shelf

- Deep full extension shelf allows for easy maintenance of your components right on the shelf
- Durable black powder coat finish

| Part # | Racking Height | Shelf Area | Weight Capacity |
|---------|----------------|----------------------|-----------------|
| SSHD-28 | 89mm (2 space) | 429 mm x 711mm depth | 90 kg |

Heavy-Duty Sliding Shelf with Removable Face Option

- Comes with mounting ears pre-assembled for quick installation
- Full extension lockout shelf allows for easy maintenance of your components right on the shelf
- Allows access to cable, wiring and connections from the front of the enclosure
- Optional lightweight removable cover panel
- 3 front-to-rear rail mounting ranges:
 - 318 mm to 416 mm
 - 584 mm to 680 mm
 - 695 mm to 740 mm
- 587 mm overall depth and 276 mm useable depth with foot holes
- Durable steel construction with black finish

| Part # | Racking Height | Shelf Area | Description | Weight Capacity |
|-------------|------------------|----------------------|-----------------|-----------------|
| SS4-23VTR | 178 mm(4 space) | 429 mm x 711mm depth | sliding shelf | 34 kg |
| SS5-23VTR | 222 mm (5 space) | 429 mm x 711mm depth | sliding shelf | 34 kg |
| SS-VTR-CVR4 | 178 mm (4 space) | — | removable cover | — |
| SS-VTR-CVR5 | 222 mm (5 space) | — | removable cover | — |

Utility Drawer

- Small versatile drawer fits in any rack
- Space-saving, convenient one space drawer for remote controls, equipment or user manuals
- Can be flipped over and used as a convenient one space sliding shelf

| Part # | Racking Height | Description |
|--------|-----------------|----------------|
| UD1 | 45 mm (1 space) | utility drawer |

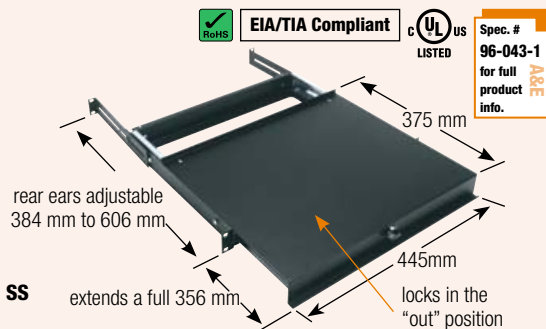
invert for
one space
sliding shelf



Full Extension Sliding Shelf

The SS sliding shelf is both functional and rugged. Capable of latching in an open or closed position, the shelf slides on ball bearings and extends a full 356mm and mounts to any rack (rear rackrail required in steel racks). **Occupies slightly more than a single rackspace.** NOTE: Fits in racks with a minimum 38,42 cm from front to rear rails.

| Part # | Shelf Area | Weight Capacity |
|--------|-----------------------------|-----------------|
| SS | 445 mm width x 375 mm depth | 22 kg |



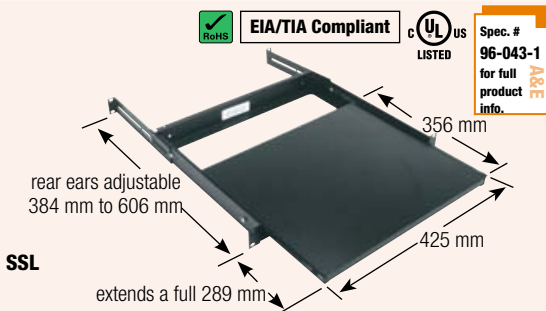
SS



EIA/TIA Compliant



Spec. #
96-043-1
for full
product
info.



SSL



EIA/TIA Compliant



Spec. #
96-043-1
for full
product
info.

Laminated Service Sliding Shelf

Filling just a single rackspace, SSL sliding shelf extends 289mm on nylon roller slides equipped with positive-stop lockouts. A telescopic rear support mounts to any rack (rear rackrail required in steel racks). The shelf itself is made with an attractive black laminate material. NOTE: Fits in racks with a minimum 38,42 cm from front to rear rail.

| Part # | Shelf Area | Weight Capacity |
|--------|-------------------|-----------------|
| SSL | 425mm w x 356mm d | 15 kg |

MS Series Shelves

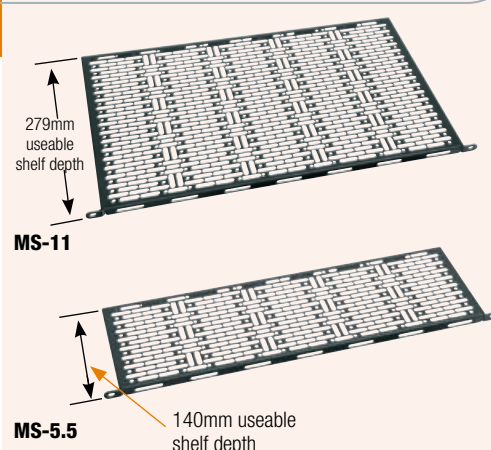
This innovative new shelf was designed to mount small items conveniently in the front or rear of a rack while providing abundant cable management and device tie down points. Pattern of holes and slots accommodates nearly any mounting hole pattern, and can also be used for wire tie or other fastening approaches. Surprisingly strong for their size, these shelves will solve many of your small item mounting challenges in any standard rack.

NOTE: Must be installed using standard 10-32 or 5mm rack screws into threaded rackrail.

| Part # | Useable Shelf Area | Pre-Pack Qty | Weight Capacity |
|----------|----------------------------|--------------|-----------------|
| MS-11 | 13mm h x 445mm w x 279mm d | 1 | 6 kg |
| MS-11-4 | 13mm h x 445mm w x 279mm d | 4 | 6 kg |
| MS-5.5 | 13mm h x 445mm w x 140mm d | 1 | 13 kg |
| MS-5.5-4 | 13mm h x 445mm w x 140mm d | 4 | 13 kg |



shelf shown in application



UFA Shelves and UFAF Face Panels

“Universal Face-After” shelves designed to mount small items conveniently in the front or rear of a rack while providing outstanding cable management and small device tie down points. These shelves feature the unique ability to mount a faceplate after the shelf is installed and populated, providing an attractive and secure covering.

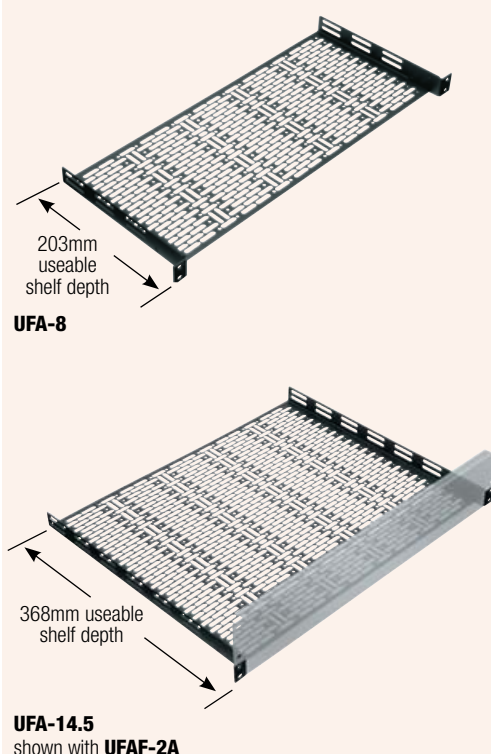
| Shelf Part # | Racking Height | Useable Shelf Area | Pre-Pack Qty | Weight Capacity | Included Panel |
|--------------|----------------|--------------------|--------------|-----------------|----------------|
| UFA-8 | 45mm (1 space) | 438mm w x 203mm d | 1 | 15 kg | — |
| UFA-8-4 | 45mm (1 space) | 438mm w x 203mm d | 4 | 15 kg | — |
| UFA-14.5 | 45mm (1 space) | 438mm w x 203mm d | 1 | 11 kg | — |
| UFA-14.5-4 | 45mm (1 space) | 438mm w x 203mm d | 4 | 11 kg | — |
| UFA-8-F1 | 45mm (1 space) | 438mm w x 203mm d | 1 | 15 kg | 1 space |
| UFA-8-F2 | 45mm (2 space) | 438mm w x 203mm d | 1 | 15 kg | 2 space |

| Panel Part #* | Racking Height | Finish |
|---------------|------------------|----------------------------|
| UFAF-1 | 45 mm (1 space) | black powder coat |
| UFAF-1A | 45 mm (1 space) | black brushed and anodized |
| UFAF-2 | 89 mm (2 space) | black powder coat |
| UFAF-2A | 89 mm (2 space) | black brushed and anodized |
| UFAF-3 | 133 mm (3 space) | black powder coat |
| UFAF-3A | 133 mm (3 space) | black brushed and anodized |
| UFAF-4 | 178 mm (4 space) | black powder coat |
| UFAF-4A | 178 mm (4 space) | black brushed and anodized |



shelf shown in application

*Panels can be used with any UFA Shelf model



Chassis Support Brackets

Chassis support brackets are a simple way to support heavy equipment within the rack and facilitates ventilation of high heat-generating equipment.

- Compatible with the following racks when used with Z-rail or Z-rail adapter: MRK, VRK, VMRK
- Allows equipment to be placed into the rack without attaching the rackscrews – ideal for fast swap outs

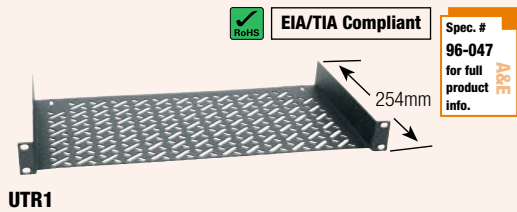
NOTE: These chassis support angles must be attached to the Z-Rail or to a Z-Rail adapter. These brackets are not compatible with standard L-shaped rackrail without certain hardware or rackrail adjustments.

| Part # | Overall Depth | Pre-Pack Qty | Weight Capacity | Part # | Overall Depth | Pre-Pack Qty | Weight Capacity |
|----------|---------------|--------------|-----------------|--------|---------------|--------------|-----------------|
| CSA-18-H | 457mm | 2 | 90 kg | CSA-18 | 457mm | 2 | 45 kg |
| CSA-20-H | 508mm | 2 | 90 kg | CSA-20 | 508mm | 2 | 45 kg |
| CSA-22-H | 559mm | 2 | 90 kg | CSA-22 | 559mm | 2 | 45 kg |
| CSA-24-H | 610mm | 2 | 90 kg | CSA-24 | 610mm | 2 | 45 kg |
| CSA-26-H | 660mm | 2 | 90 kg | CSA-26 | 660mm | 2 | 45 kg |



CSA-18 sold in pairs



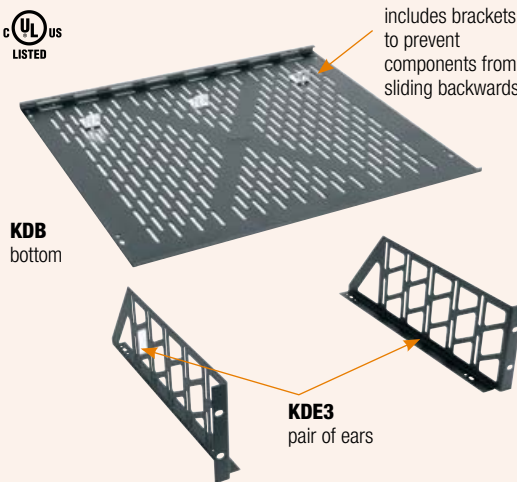


Shallow Depth Rackshelf

Designed to mount smaller components, wireless units and other non-rackmount equipment. Includes hook-and-loop strips for component mounting.

- Features an enhanced ventilation pattern
- Constructed from 1,59mm-gauge steel
- Finished in a durable black powder coat

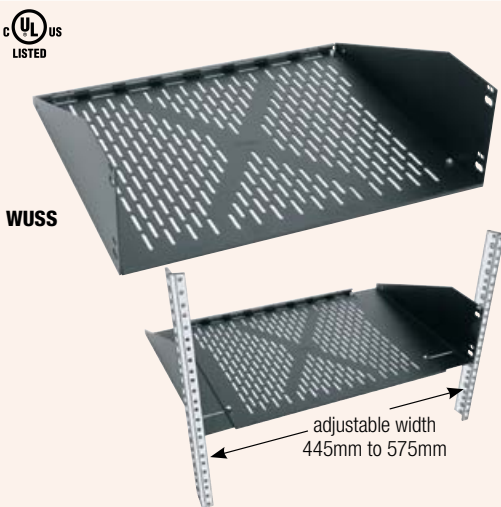
| Part # | Racking Height | Depth | Weight Capacity |
|--|-----------------|--------|-----------------|
| UTR1 | 45 mm (1 space) | 254 mm | 11 kg |
| *Master Pack Quantity Discount Available - please call | | | |



Ready-to-Assemble Rackshelves

Vented KD Series rackshelves ship ready-to-assemble to minimize freight costs & save storage space. Ear heights range from 2 to 10 spaces & are sold in pairs. All assembly hardware included.

| Ear Part # | Racking Height | Depth | Weight Capacity | Bottom Part # | Useable Shelf Area |
|------------|-------------------|--------|-----------------|--|---------------------|
| KDE2 | 89 mm (2 Space) | 394 mm | 22 kg | KDB | 441 mm w x 384 mm d |
| KDE2S | 89 mm (2 Space) | 292 mm | 22 kg | KDB-14* | 441 mm w x 346 mm d |
| KDE3 | 133 mm (3 Space) | 394 mm | 31 kg | KDB-17.5 | 441mm w x 435 mm d |
| KDE3S | 133 mm (3 Space) | 292 mm | 31 kg | KDB-20.5 | 441mm w x 511mm d |
| KDE4 | 178 mm (4 Space) | 394 mm | 38 kg | *fits our DWR Series (use w/ 292mm ears) | |
| KDE4S | 178 mm (4 Space) | 292 mm | 38 kg | | |
| KDE5 | 222 mm (5 Space) | 394 mm | 45 kg | | |
| KDE6 | 267 mm (6 Space) | 394 mm | 45 kg | | |
| KDE10 | 445 mm (10 Space) | 394 mm | 45 kg | | |

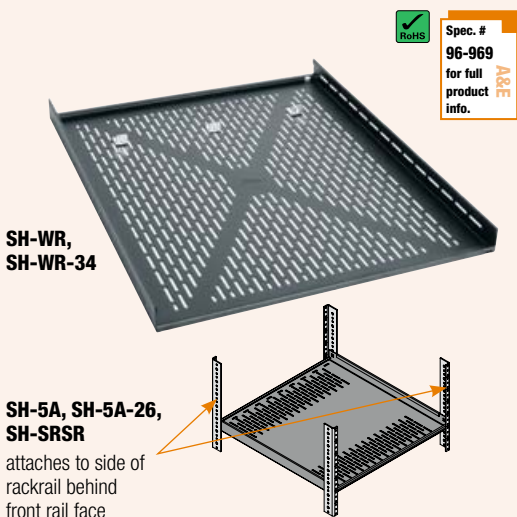


Wide Unit Shelf System

Accommodating components too wide to fit the 440mm inside width of standard rackshelves, these shelf systems fit units up to 570mm wide, and either bolt into millwork or to the mounting angle of standard rackrail. Measuring 135mm high, this shelf saves room by requiring no rackspaces. The WUSS system comes complete with a pair of ears, a bottom, and appropriate assembly hardware. NOTE: This rackshelf works with all Middle Atlantic Products enclosures with the exception of enclosures that use 'Z-Rail.'

| Part # | Useable Shelf Area | Weight Capacity |
|----------|--|-----------------|
| WUSS11.5 | 441 mm (min.) to 575 mm width x 289 mm depth | 22 kg |
| WUSS14* | 441 mm (min.) to 575 mm width x 351 mm depth | 22 kg |
| WUSS15.5 | 441 mm (min.) to 575 mm width x 391 mm depth | 22 kg |
| WUSS17.5 | 441 mm (min.) to 575 mm width x 441 mm depth | 22 kg |
| WUSS20.5 | 441 mm (min.) to 575 mm width x 518 mm depth | 22 kg |

*Available in 356 mm depth - fits DWR Series and other shallow racks!



SH Series Zero Space Rackshelves

These 4 point mount shelves have been purpose designed to fit in Slim 5, AXS, SRSR and WR equipment racks, and feature full-depth front and rear rackmounting to provide a sturdy shelf for non-rackmount components. The models designated for the Slim 5, AXS and SRSR mount to the sides of the rackrail, while the SH-WR features an enhanced, patent pending design that mounts to the threaded rail – while still utilizing zero rackspaces! Two handy "L" brackets are included to help position equipment. Constructed from 1,5mm steel, includes mounting hardware and finished in a durable black powder coat.

| Part # | Useable Shelf Area | Weight Capacity | Fits |
|-----------|-----------------------------|-----------------|--------------------------------|
| SH-5A* | 470mm width x 471mm depth | 113 kg | 508mm depth AXS & Slim 5 racks |
| SH-5A-26* | 470mm width x 624mm depth | 113 kg | 660mm depth AXS & Slim 5 racks |
| SH-SRSR** | 468mm width x 394mm depth | 90 kg | SRSR racks |
| SH-WR | 476 mm width x 578 mm depth | 113 kg | WR-xx-32 racks |
| SH-WR-34 | 476mm width x 832mm depth | 113 kg | WR-xx-42 racks |

*SH-5A, SH-5A-26 does not mount in the top or bottom 2 rackspaces, or where rackrail brackets are located.
**SH-SRSR does not mount in the bottom 5 rackspaces, or where rackrail brackets are located.

Rackmount Computer Keyboard w/ Sliding Shelf

Model RM-KB rackmount computer keyboard system occupies 44mm (1 rackspace) and includes a high-quality full 101 key AT style keyboard, with touchpad and padded wrist-rests. Articulating arm provides effective cable management. Comes with USB adapter. Finished in a durable black powder coat.

| Part # | Description | Racking Height |
|--------|-----------------------------|---------------------|
| RM-KB | rackmount computer keyboard | 45 mm (1 rackspace) |



Keyboard Sliding Shelf

Accommodates keyboards with a maximum width of 405 mm and depth of 238mm. Articulating arm provides effective cable management.

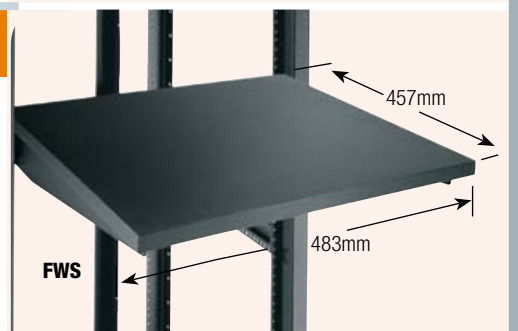
| Part # | Description | Racking Height |
|--------|------------------------|---------------------|
| KB-SS | keyboard sliding shelf | 44 mm (1 rackspace) |



Single-Bay Writing/Computer Keyboard Shelf

The FWS fixed single bay writing/computer keyboard shelf bolts quickly to any 19" rack to create an ideal workspace. With an attractive, black laminate top made from 19mm furniture-grade MDF board, it occupies 2 rackspace below and comes complete with special rail-mounting hardware.

| Part # | Depth | Weight Capacity |
|--------|-------|-----------------|
| FWS | 457mm | 45 kg |

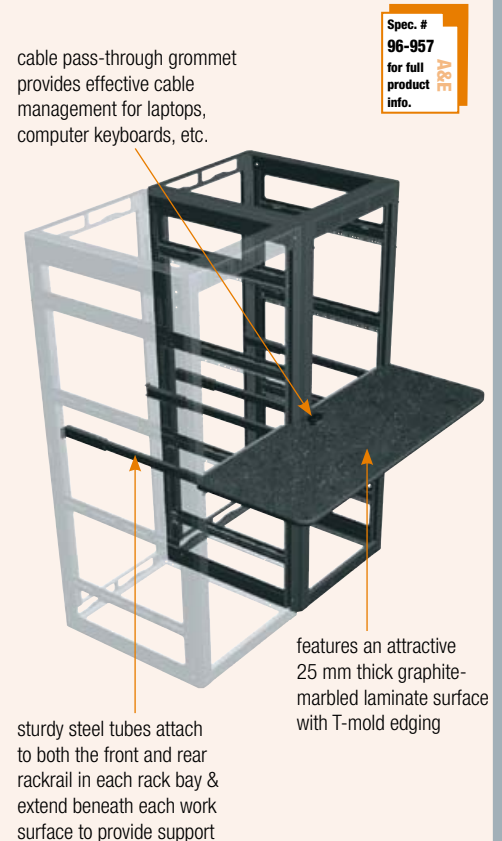


Multi-Bay Laminate Work Surfaces

Designed to provide an ergonomic work space, work surfaces are available for select WRK, MRK and VRK Series enclosures. Offered in two, three, and four-bay sizes to span multiple ganged racks, these shelves feature an attractive 25mm thick graphite-marbled laminate surface with a durable black T-mold edging. The supplied mounting system consists of sturdy steel tubes that attach to both the front and rear rackrail in each rack bay and extend beneath each work surface, providing support. Additionally, each work surface includes cable pass-through with grommets providing effective cable management for laptops, computer keyboards, etc. Each work surface requires the use of two front and two rear racks. Custom sizes available, please call for details.

| 18" Shelf Depth Part # | 24" Shelf Depth Part # | Span | Fits |
|------------------------|------------------------|-------|----------------------------|
| WS2-M26-18 | WS2-M26-24 | 2 bay | MRK 660 mm depth Racks |
| WS3-M26-18 | WS3-M26-24 | 3 bay | MRK 660 mm depth Racks |
| WS4-M26-18 | WS4-M26-24 | 4 bay | MRK 660 mm depth Racks |
| WS2-M31-18 | WS2-M31-24 | 2 bay | MRK/VRK 787 mm depth Racks |
| WS3-M31-18 | WS3-M31-24 | 3 bay | MRK/VRK 787 mm depth Racks |
| WS4-M31-18 | WS4-M31-24 | 4 bay | MRK/VRK 787 mm depth Racks |
| WS2-W27-18 | WS2-W27-24 | 2 bay | WRK 686 mm depth Racks |
| WS3-W27-18 | WS3-W27-24 | 3 bay | WRK 686 mm depth Racks |
| WS4-W27-18 | WS4-W27-24 | 4 bay | WRK 686 mm depth Racks |
| WS2-W32-18 | WS2-W32-24 | 2 bay | WRK 813 mm depth Racks |
| WS3-W32-18 | WS3-W32-24 | 3 bay | WRK 813 mm depth Racks |
| WS4-W32-18 | WS4-W32-24 | 4 bay | WRK 813 mm depth Racks |

NOTE: caster bases are not recommended for use on racks with work surfaces





EIA/TIA Compliant



Spec. #
96-01025
for full
product
info.

A&E



RM-KB-LCD17



shown in closed position



screen opens with keyboard
recessed for monitoring

Rackmount LCD Keyboard

The Rackmount LCD Keyboard and Touchpad can be installed wherever rackmount control and system monitoring is required and can be used for a wide range of applications including network security and system performance monitoring. The 17" LCD monitor is capable of supporting 1280 x 1024 screen resolution, and is also available with an 8 or 16 port KVM switch. With its space saving, single rackspace design and dual-slide functionality, the rackmount LCD monitor can reside in the open position for system monitoring while the keyboard is in the closed position.

These units feature rear articulating cable carriers for strain relief and a bright active matrix LCD display for ergonomic viewing of monitoring applications. Standard 105 key keyboard with integrated touchpad. 1.5m connector cable included, and auto detects 120V or 240V power. This unit has a range of front to rear mounting of 464mm to 705mm (overall depth is 622mm, this unit will extend through the back of shallower racks). Works internationally with customer supplied cord.

| Part # | Screen Size | Resolution | Racking Height | KVM Switch | PS/2/USB Cords Included |
|-------------------|-------------|-------------------------------|--------------------|------------|-------------------------|
| RM-KB-LCD17 | 17" | 1280 x 1024 | 45mm (1 rackspace) | — | — |
| RM-KB-LCD17X8KVM | 17" | 1280 x 1024 | 45mm (1 rackspace) | 8 port | 4 |
| RM-KB-LCD17X16KVM | 17" | 1280 x 1024 | 45mm (1 rackspace) | 16 port | 8 |
| PS2/USB-4C | | PS/2 and USB cables, 4 pieces | | | |



rear view of RM-KB-LCD17X8KVM



includes PS/2 and USB cables

Now available
with KVM Switch!

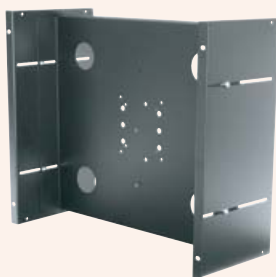


EIA/TIA Compliant

Spec. #
96-01120
for full
product
info.

A&E

RM-LCD-MV
fixed enclosed
backpan style

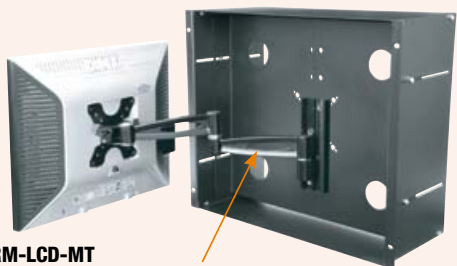


RM-LCD-MK
tilt enclosed
backpan style



RM-LCD-MT

articulating enclosed backpan style
(monitor not included)



LCD Rackmount

Your choice of five mounting styles

- Generous front to back adjustment
- Versatile rackmounting of LCD screen from 15" to 19", including some 20" monitors
- Includes both VESA 75 and VESA 100 mounting patterns
- RM-LCD-MT can mount larger monitors, up to 32" depending on weight
- Two styles:
 - Enclosed backpan – fixed, pivot/tilt, articulating
 - Open panel – fixed, pivot/tilt, best choice for 16:9 monitors

| Part # | Racking Height | Description | Weight Capacity |
|-------------|------------------|---|-----------------|
| RM-LCD-MV | 400 mm (9 space) | LCD rackmount, backpan style, VESA mount | 15 kg |
| RM-LCD-MK | 400 mm (9 space) | LCD rackmount, backpan style, tilt mechanism | 15 kg |
| RM-LCD-MT | 400 mm (9 space) | LCD rackmount, articulation | 15 kg |
| RM-LCD-PNLV | 133 mm (3 space) | LCD rackmount, open panel style, VESA mount | 12 kg |
| RM-LCD-PNLK | 133 mm (3 space) | LCD rackmount, open panel style, tilt mechanism | 12 kg |



RM-LCD-PNLV
fixed open panel style

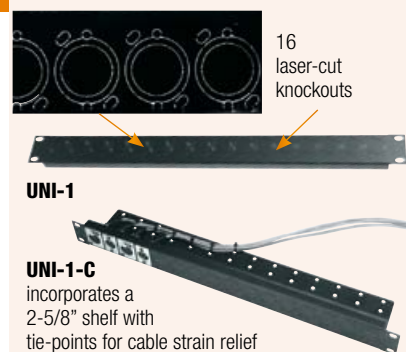


RM-LCD-PNLK
tilt open panel style

Universal Connector Panel

The UNI Series laser-cut connector panels feature knockouts designed to accept a number of connectors, including XLR and Neutrik. The innovative design allows mounting of both male and female connectors to the same holes simply by knocking out the correct pattern. The UNI-1-C incorporates a 67mm strain relief shelf with tie-points for cable management. Made from one-piece flanged steel, black powder coat finish.

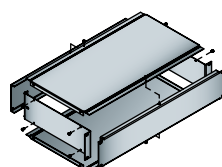
| Part # | Laser-Cut Knockouts | Racking Height |
|---------|---------------------|---|
| UNI-1 | 16 | 45mm (1 rackspace) |
| UNI-2 | 32 | 89mm (2 rackspace) |
| UNI-1-C | 16 | 45mm(1 space) – includes cable management |



CH Chassis

With its aesthetically-balanced, screwless flush-mounted faceplate, our CH Chassis features a 1,59mm-gauge all-steel body finished in a black powder coat. Front and rear panels are made from aluminum for easy machining. The front faceplate additionally features a black brushed and anodized finish, while the rear faceplate is finished in a black powder coat.

| Part # | Racking Height | Depth |
|--------|----------------------|--------|
| CH1 | 45 mm (1 rackspace) | 254 mm |
| CH2 | 89 mm (2 rackspace) | 254 mm |
| CH3 | 133 mm (3 rackspace) | 254 mm |



front and rear aluminum panels detach for simplified machining



EIA/TIA Compliant

Spec. #
96-004
for full
product
info.

A&E

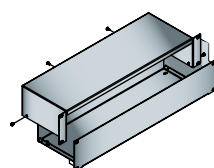


CH2

Econo Chassis

Providing a high quality rack chassis at an affordable price, the EC Series features a quick-to-disassemble two piece design incorporating a 1,59mm-gauge steel face, back and bottom, and 1mm-gauge steel top and sides. Black powder coat finish.

| Part # | Racking Height | Depth |
|--------|---------------------|-------|
| EC-1 | 45 mm (1 rackspace) | 152mm |
| EC-2 | 89 mm (2 rackspace) | 152mm |
| EC-3 | 133mm (3 rackspace) | 152mm |



two piece design for easy assembly

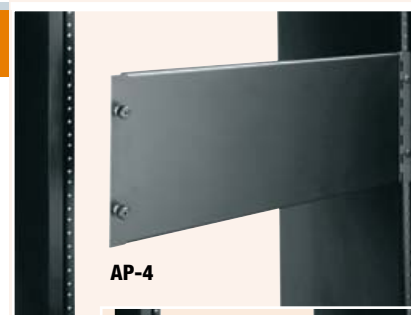


EC-2

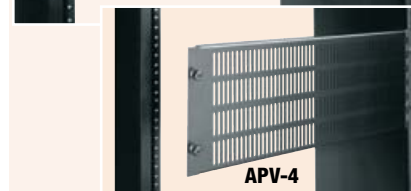
Access Panels

Available in 2, 4, and 6 space models, these hinged access panels provide quick passage to rack interiors. Solid and vented panels available. Fabricated from easily machinable 2,4mm-gauge black powder coated aluminum, these access panels are perfect for those situations where access to the rear of connector panels is required. Captive 10-32 threaded thumbscrews require no tools to open and will not get lost.

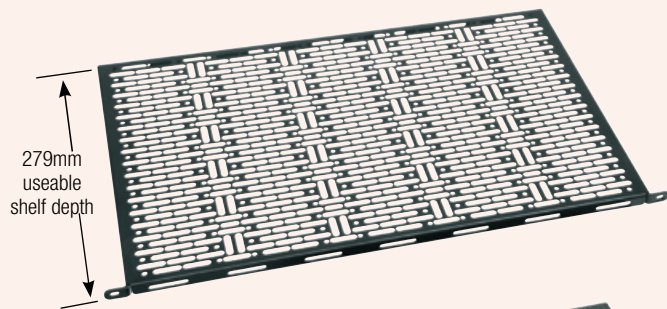
| Solid Part # | Vented Part # | Univ Mounting Part # | Racking Height |
|--------------|---------------|----------------------|---------------------|
| AP-2 | APV-2 | APM-2 | 89mm (2 rackspace) |
| AP-4 | APV-4 | APM-4 | 178mm (4 rackspace) |
| AP-6 | APV-6 | APM-6 | 267mm (6 rackspace) |



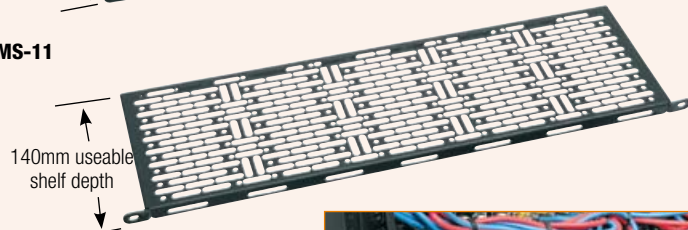
AP-4



APV-4



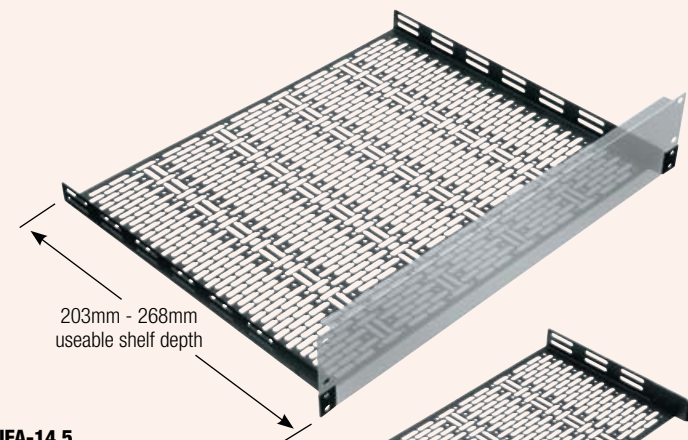
MS-11



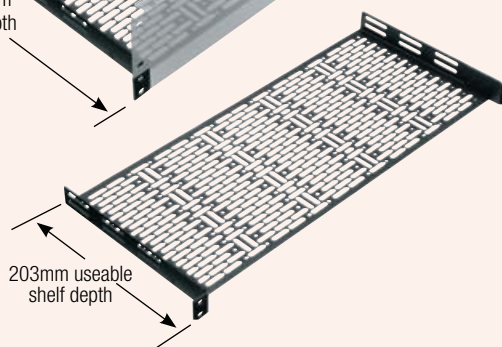
MS-5.5



shelf shown in application



UFA-14.5
shown with UFAF-2A



UFA-8



without panel



with panel

MS Series Shelves

This innovative new shelf was designed to mount small items conveniently in the front or rear of a rack while providing abundant cable management and device tie down points. Pattern of holes and slots accommodates nearly any mounting hole pattern, and can also be used for wire tie or other fastening approaches. Surprisingly strong for their size, these shelves will solve many of your small item mounting challenges in any standard rack.

NOTE: Must be installed using standard 10-32 or 5mm rack screws into threaded rackrail.

| Part # | Useable Shelf Area | Pre-Pack Qty | Weight Capacity |
|----------|-----------------------------|--------------|-----------------|
| MS-11 | 13mm h x 445mm w x 279 mm d | 1 | 6 kg |
| MS-11-4 | 13mm h x 445mm w x 279 mm d | 4 | 6 kg |
| MS-5.5 | 13mm h x 445mm w x 140mm d | 1 | 13 kg |
| MS-5.5-4 | 13mm h x 445mm w x 140mm d | 4 | 13 kg |

UFA Shelves and UFAF Face Panels

“Universal Face-After” shelves designed to mount small items conveniently in the front or rear of a rack while providing outstanding cable management and small device tie down points.

These shelves feature the unique ability to mount a faceplate after the shelf is installed and populated, providing an attractive and secure covering.

| Shelf Part # | Racking Height | Useable Shelf Area | Pre-Pack Qty | Weight Capacity | Included Panel |
|--------------|-----------------|--------------------|--------------|-----------------|----------------|
| UFA-8 | 45 mm (1 space) | 438mm b x 203mm t | 1 | 15 kg | — |
| UFA-8-4 | 45 mm (1 space) | 438mm b x 203mm t | 4 | 15 kg | — |
| UFA-14.5 | 45 mm (1 space) | 438mm b x 368mm t | 1 | 11 kg | — |
| UFA-14.5-4 | 45 mm (1 space) | 438mm b x 368mm t | 4 | 11kg | — |
| UFA-8-F1 | 45 mm (1 space) | 438mm b x 203mm t | 1 | 15 kg | 1 space |
| UFA-8-F2 | 89 mm (2 space) | 438mm b x 203mm t | 1 | 15 kg | 2 space |

| Panel Part #* | Racking Height | Finish |
|---------------|------------------|----------------------------|
| UFAF-1 | 45 mm (1 space) | black powder coat |
| UFAF-1A | 45 mm (1 space) | black brushed and anodized |
| UFAF-2 | 89 mm (2 space) | black powder coat |
| UFAF-2A | 89 mm (2 space) | black brushed and anodized |
| UFAF-3 | 133 mm (3 space) | black powder coat |
| UFAF-3A | 133 mm (3 space) | black brushed and anodized |
| UFAF-4 | 178 mm (4 space) | black powder coat |
| UFAF-4A | 178 mm (4 space) | black brushed and anodized |

*Panels can be used with any UFA Shelf model

1/2 and 1/3 Space Blank Panel

Now you have a solution for non-full space items. These panels complete the finished, professional appearance while also ensuring correct thermal management performance by blocking unwanted air entry. Comes in your choice of steel or aluminum.

| Steel, Flat Black Part # | Aluminum, Black Brushed and Anodized Part # | Racking Height |
|--------------------------|---|------------------|
| EB1/2 | BL1/2 | 22mm (1/2 space) |
| EB1/3 | BL1/3 | 15mm (1/3 space) |



BL1/2



EB1/3

Handle Panels

These panels provide a firm, safe grip for pull-out rack systems, while still allowing the use of trim strips if desired. The "one rackspace" design takes up minimal space in the installation, & protrudes 30mm. Comes in two finishes to best match the rack aesthetics.

| Part # | Racking Height | Finish |
|--------|----------------|----------------------------|
| EB1-H | 45mm (1 space) | flat black powder coat |
| BL1-H | 45mm (1 space) | black brushed and anodized |



EB1-H

Blank Panel with Rack I.D. Strip

Aluminum 1 space panels accept paper labels up to 38mm tall by 445mm wide.

| Part # | Racking Height |
|---------|----------------|
| PBL1-ID | 45mm (1 space) |

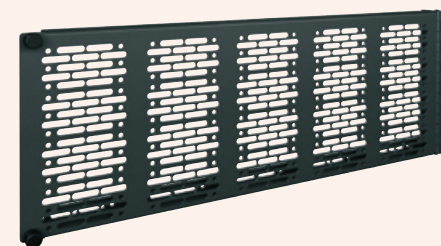


PBL1-ID

Hinged Accessory Mounting Panel

Here's a great new solution for mounting small items conveniently in a rack. Aluminum panel is easily drilled for mounting punch-blocks, terminal strips, power supplies and similar items. Hinged design provides easy access for maintenance and changes.

| Part # | Racking Height |
|--------|-----------------|
| APM-2 | 89mm (2 space) |
| APM-3 | 133mm (3 space) |
| APM-4 | 178mm (4 space) |

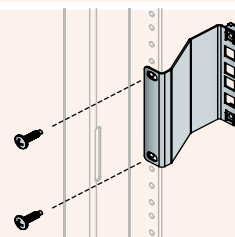


APM-3

Rackrail Recessor

Allows room for cable bundles and handles. Enables installer to recess equipment 3 inches behind rackrail.

| Part # | Description |
|----------|---------------------------------------|
| RR2-3RCN | 2 space/ 78mm deep, rackrail recessor |



RR2-3RCN

Rack Sack™ Equipment Protection Cover

This heavy-duty cover will protect your installation while in progress, keeping it safe from dust and casual contact. Sturdy zippers on the corners make it easy to install and remove.

| Part # | Dimensions |
|---------|------------------------------|
| RS-6036 | 1524mm h x 635mm w x 914mm d |
| RS-8436 | 2134mm h x 635mm b x 914mm d |

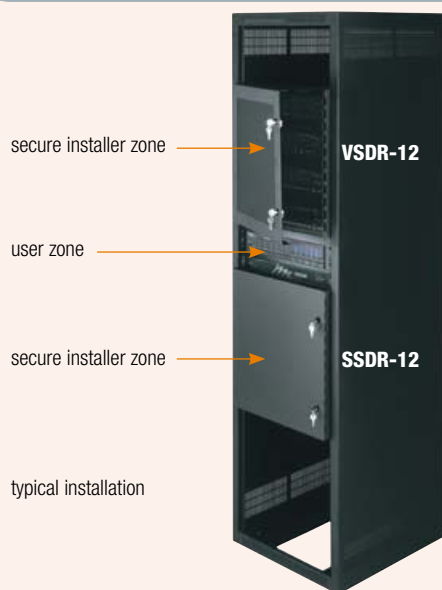
Custom logos available.
Please call for details.



RS-6036



Security Covers and Access Control



Hinged Security Doors

Keylocked security doors allow front access to a select portion of rackmount equipment and are available in plexiglass, vented, and solid styles. Mount equipment which needs to be secured behind these doors in the “installer zone” to keep unauthorized users from tampering. Keep equipment which needs to be client-accessed in the open portion of the rack in the “user zone.”

| Solid Part # Knob Clearance 35mm | Plexi Part # Knob Clearance 29mm | Vented Part # Knob Clearance 35mm | Racking Height |
|----------------------------------|----------------------------------|-----------------------------------|-----------------------|
| SSDR-8 | PSDR-8 | VSDR-8 | 356mm (8 rackspace) |
| SSDR-12 | PSDR-12 | VSDR-12 | 533 mm (12 rackspace) |
| SSDR-15 | — | — | 667 mm (15 rackspace) |
| SSDR-16 | PSDR-16 | VSDR-16 | 711 mm (16 rackspace) |
| SSDR-20 | PSDR-20 | VSDR-20 | 889 mm (20 rackspace) |
| SSDR-21 | — | — | 934 mm (21 rackspace) |



SECL-4

Hinged Plexiglass Security Covers

Incorporating a steel frame and a keylocked 5mm smoked-gray plexiglass door, our SECL Series locking security covers are offered in 2, 3, 4, and 8 rackspace sizes. Each unit's depth of 38mm easily clears controls on most equipment.

| Part # | Racking Height | Part # | Racking Height |
|--------|----------------------|--------|----------------------|
| SECL-2 | 89 mm (2 rackspace) | SECL-4 | 178 mm (4 rackspace) |
| SECL-3 | 133 mm (3 rackspace) | SECL-8 | 356 mm (8 rackspace) |



SL-2

Fixed Plexiglass Security Covers

SL Series security covers feature a permanent plexiglass window for easy equipment viewing. Secure and cost-effective – available in 1, 2, and 3 space sizes, 25mm deep.

| Part # | Racking Height |
|--------|----------------------|
| SL-1 | 45 mm (1 rackspace) |
| SL-2 | 89 mm (2 rackspace) |
| SL-3 | 133 mm (3 rackspace) |



HOT TIP! See pg. 122 for high security Guardian Series™ screws!



S2
regular perf. pattern



SF2
fine perf. pattern

Fixed Perforated Security Covers

Eliminate the prospect of tampering with these tough security covers. Offered in regular or fine perforation styles (models S and SF respectively), each cover is 25mm deep. Includes installed rubber edging that won't mar the equipment you're trying to protect. To enhance the level of security, use the patented Guardian Series™ security bit and HSK rack screws, see pg. 122

| Type | Part # | Description |
|--|--------|--|
| Allows unobstructed view of knob settings, 64% open area | S1 | 45 mm (1 rackspace) regular perf. pattern |
| | S2 | 89 mm (2 rackspace) regular perf. pattern |
| | S3 | 133 mm (3 rackspace) regular perf. pattern |
| | S4 | 178 mm (4 rackspace) regular perf. pattern |
| Allows sight of LEDs, most secure, 25% open area | SF1 | 45 mm (1 rackspace) fine perf. pattern |
| | SF2 | 89 mm (2 rackspace) fine perf. pattern |
| | SF3 | 133 mm (3 rackspace) fine perf. pattern |
| | SF4 | 178 mm (4 rackspace) fine perf. pattern |

Micro Fiber Cleaning Cloths

Reusable micro fiber cleaning cloths are non-abrasive and lint free to keep anodized and other finishes on panels, drawers, RSH Series custom rackshelves and plexiglass doors clean. Plexiglass version includes 2 oz. bottle of cleaner.

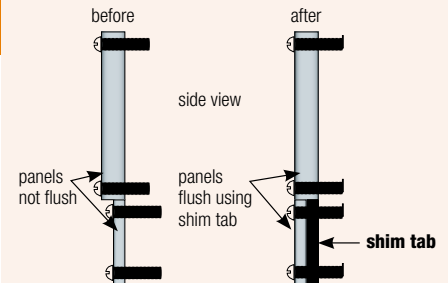
| Part # | For Use On | Part # | For Use On |
|---------|-----------------------------|---------|-------------------------------|
| PNL-CLN | panels, drawers, RSH Series | PLX-CLN | plexi doors, includes cleaner |



Shim Tabs

All faceplates can be flush with these handy shim tabs. 5 mm thick, they can be stacked to achieve desired thickness. Attaches with self adhesive.

| Part # | Fits | Qty |
|--------|-------------|---------|
| ST1MP | 1 rackspace | 100 pc. |
| ST3MP | 3 rackspace | 100 pc. |



Ears for Sony® TV Tuners

With these ears, you can install Sony TV tuner products in any 19" rack. Attach the ears with the supplied metric hardware, no unit modification required.

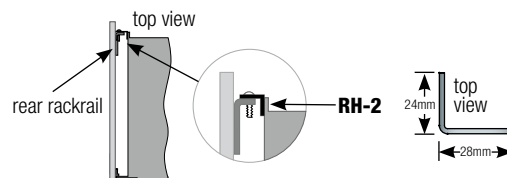
| Part # | Fits | Finish |
|-----------|---------------------------|--------------------------|
| SONYEARS | ST-72TV, ST-02TV, VPR-722 | black brushed & anodized |
| SONYEARS2 | TU-1041U | black powder coat |



Rear Hanging Brackets

These rear hanging brackets fit any amplifier with rear ears and attach to rear rackrail to provide additional equipment support and feature unequal length mounting legs for versatility. Sold in pairs.

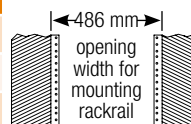
| Part # | Racking Height |
|-------------|------------------------------|
| RH-2 | 89 mm (2 space) |
| RH-3 | 133 mm (3 space) |
| RH-4 | 178 mm (4 space) |
| RSE1-875671 | 1 space HD rear support ears |
| RSE1-472502 | 1 space rear support ears |



RRF Rackrail

Measuring 3,2 mm thick, the all-steel RRF rackrail is threaded for 10-32 screws and is finished in a durable black e-coat finish. With EIA standard spacing, they are sold in pairs and designed for use with 19-1/8" wide rough openings. Durable black e-coat finish.

| Part # | Racking Height | Part # | Racking Height | Part # | Racking Height |
|--------|------------------|--------|-------------------|--------|--------------------|
| RRF2 | 89 mm (2 space) | RRF10 | 445 mm (10 space) | RRF18 | 800 mm (18 space) |
| RRF4 | 178 mm (4 space) | RRF12 | 533 mm (12 space) | RRF21 | 934 mm (21 space) |
| RRF6 | 267 mm (6 space) | RRF14 | 622 mm (14 space) | RRF27 | 1200mm (27 space) |
| RRF8 | 356 mm (8 space) | RRF16 | 711 mm (16 space) | RRF45 | 2000 mm (45 space) |



Enhanced Rack Ruler

- Tape measure incremented in both rackspaces and inches
- 4,877mm long, 25mm wide Mylar-coated blade
- Rugged non-slip case with thumb lock and stop w/ belt clip
- Rear of blade has info such as audio tables, charts and pinouts as well as data tables, bend radius, & wiring info

| Part # |
|--------|
| RULER |





Vent Panels



EIA/TIA Compliant



VTB-1

VTB Light Blocking Vent Panels

VTB Series light blocking vent panels provide a high percentage of open area (64%) and pre-installed light blocking material to provide superior ventilation while blocking view of internal wiring.

- Sturdy steel construction
- Flanged Panel
- 64% open area
- Flat black powder

| Part # | Racking Height |
|--------|----------------------|
| VTB-1 | 45 mm (1 rackspace) |
| VTB-2 | 89 mm (2 rackspace) |
| VTB-3 | 133 mm (3 rackspace) |



EIA/TIA Compliant

Spec. #
96-050-1
for full
product
info.

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VTF2

VT/VTF Series Perforated Vent Panels

VT Series open perforated panels provide the highest open area of all our vent panels to allow superior ventilation. VTF Series fine perforated series panels limits viewing for aesthetics.

VT Series

- Sturdy steel construction
- Flanged Panel
- 64% open area
- Flat black powder coat

VTF Series

- Sturdy steel construction
- Flanged Panel
- 25% open area
- Flat black powder coat

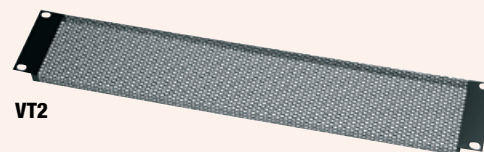
| 64% Open Area Perf Part # | 25% Open Area Perf Part # | Racking Height |
|---------------------------|---------------------------|----------------------|
| VT1 | VTF1 | 45 mm (1 rackspace) |
| VT2 | VTF2 | 89 mm (2 rackspace) |
| VT3 | VTF3 | 133 mm (3 rackspace) |
| VT4 | VTF4 | 178 mm (4 rackspace) |

Contractor Packs provide a cost-effective, space-efficient way for installers to stock the panels they use most frequently. Allows easy access to individual, poly-bagged panels. Designed to stack on warehouse shelving.



Contractor Packs

| 64% Open Area Perf Part # | 25% Open Area Perf Part # | Qty |
|---------------------------|---------------------------|-----|
| VT1-CP12 | VTF1-CP12 | 12 |
| VT2-CP12 | VTF2-CP12 | 12 |
| VT3-CP6 | VTF3-CP6 | 6 |
| VT4-CP6 | VTF4-CP6 | 6 |



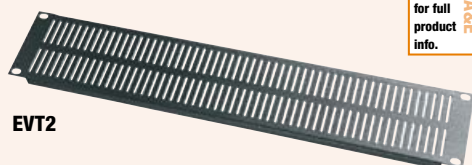
VT2



EIA/TIA Compliant

Spec. #
96-050-1
for full
product
info.

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EVT2

EVT/EVTA Series Vent Panels

EVT Series vent panels provide an economical solution with a vertical slotted design. The EVTA series has a black and brushed anodized finish.

EVT Series

- Sturdy steel construction
- Flanged Panel
- 17% open area
- Flat black powder coat

EVTA Series

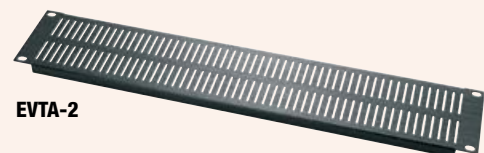
- Aluminum construction
- Flanged Panel
- 17% open area
- Black anodized finish

| Flat Black Part # | Anodized Black Part # | Racking Height |
|-------------------|-----------------------|---------------------|
| EVT1 | EVTA-1 | 45 mm (1 rackspace) |
| EVT2 | EVTA-2 | 89 mm (2 rackspace) |



Contractor Packs

| Flat Black Part # | Qty |
|-------------------|-----|
| EVT1-CP12 | 12 |
| EVT2-CP12 | 12 |



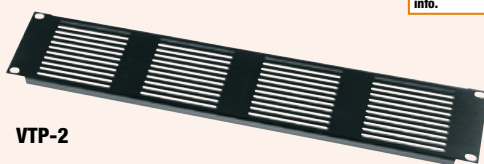
EVTA-2



EIA/TIA Compliant

Spec. #
96-050-1
for full
product
info.

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VTP-2

VTP Series Vent Panels

VTP series vent panels feature a horizontal vent design and have a black brushed and anodized finish to complement RSH Series rackselves and other anodized accessories.

- Aluminum construction
- Flanged Panel
- 20% open area
- Black brushed anodized

| Part # | Racking Height |
|--------|----------------------|
| VTP-1 | 45 mm (1 rackspace) |
| VTP-2 | 89 mm (2 rackspace) |
| VTP-3 | 133 mm (3 rackspace) |

EB/FEB Series Blank Panels

Economical steel panels finished in a durable flat black powder coat finish.

EB Series

- Sturdy steel construction
- Flanged Panel

FEB Series

- Sturdy steel construction
- Flat Panel

| Flanged Part # | Flat Part # | Racking Height |
|----------------|-------------|----------------------|
| EB1 | FEB1 | 45 mm (1 rackspace) |
| EB2 | FEB2 | 89 mm (2 rackspace) |
| EB3 | FEB3 | 133 mm (3 rackspace) |
| EB4 | FEB4 | 178 mm (4 rackspace) |
| EB5 | FEB5 | 222 mm (5 rackspace) |
| EB6 | FEB6 | 267 mm (6 rackspace) |

**Contractor Packs**

| Flanged Part # | Flat Part # | Qty |
|----------------|-------------|-----|
| EB1-CP12 | FEB1-CP12 | 12 |
| EB2-CP12 | FEB2-CP12 | 12 |
| EB3-CP6 | FEB3-CP6 | 6 |
| EB4-CP6 | FEB4-CP6 | 6 |

1/2 and 1/3 Space Panels available, see pg. 161



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EB2



FEB1

PBL/PHBL Series Blank Panels

Lightweight aluminum panels finished in a durable flat black powder coat ideal for machining.

PBL Series

- Aluminum construction
- Flanged Panel

PHBL Series

- Aluminum construction
- Flat Panel

| Flanged Part # | Flat Part # | Racking Height |
|----------------|-------------|----------------------|
| PBL-1 | PHBL-1 | 45 mm (1 rackspace) |
| PBL-2 | PHBL-2 | 89 mm (2 rackspace) |
| PBL-3 | PHBL-3 | 133 mm (3 rackspace) |
| PBL-4 | PHBL-4 | 178 mm (4 rackspace) |

**Contractor Packs**

| Flanged Part # | Flat Part # | Qty |
|----------------|-------------|-----|
| PBL1-CP12 | PHBL1-CP12 | 12 |
| PBL2-CP12 | PHBL2-CP12 | 12 |
| PBL3-CP6 | PHBL3-CP6 | 6 |
| PBL4-CP6 | PHBL4-CP6 | 6 |



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PBL-2



PHBL-2

SB Series Blank Panels

Aesthetic and durable textured black powder coat finish steel blank panels. Complements RSH4S custom rackshelves and other textured accessories.

- Sturdy steel construction
- Flanged Panel

| Part # | Racking Height | Part # | Racking Height |
|--------|----------------------|--------|----------------------|
| SB1 | 45 mm (1 rackspace) | SB4 | 178 mm (4 rackspace) |
| SB2 | 89 mm (2 rackspace) | SB5 | 222 mm (5 rackspace) |
| SB3 | 133 mm (3 rackspace) | SB6 | 267 mm (6 rackspace) |

**Contractor Packs**

| Flanged Part # | Qty |
|----------------|-----|
| SB1-CP12 | 12 |
| SB2-CP12 | 12 |
| SB3-CP6 | 6 |
| SB4-CP6 | 6 |



EIA/TIA Compliant

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SB2

BL/HBL Series Blank Panels

The most aesthetic blank panels available with a black brushed and anodized finish. Complements RSH4A custom rackshelves and other anodized accessories.

BL Series

- Aluminum construction
- Flanged Panel

HBL Series

- Aluminum construction
- Flat Panel

| Flanged Part # | Flat Part # | Racking Height | Flanged Part # | Flat Part # | Racking Height |
|----------------|-------------|----------------------|----------------|-------------|----------------------|
| BL1 | HBL1 | 45 mm (1 rackspace) | BL4 | HBL4 | 178 mm (4 rackspace) |
| BL2 | HBL2 | 89 mm (2 rackspace) | — | HBL5 | 222 mm (5 rackspace) |
| BL3 | HBL3 | 133 mm (3 rackspace) | — | HBL6 | 267 mm (6 rackspace) |



EIA/TIA Compliant

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info.

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BL2



HBL2



Rack Screws

self-guiding
pilot point



HG

self-guiding
pilot point



HM

Premium Rack Screws

Premium rack screws provide the best bit engagement in the industry. HG hardware features salt spray resistant plating that slows rust build-up. HM hardware features an attractive black matte finish. Both types are truss-head hardware, 10-32 threaded, 19 mm long with pre-installed washers and self-guiding pilot points.

| Part # | Qty | Finish | Part # | Qty | Finish |
|--------|-------------------------|-----------------------------------|--------|-------------------------|-------------|
| HG | 100 pc. | salt spray resistant, black gloss | HM | 100 pc. | black matte |
| HG500 | 500 pc. in reusable jar | salt spray resistant, black gloss | HM500 | 500 pc. in reusable jar | black matte |

Standard Rack Screws

Standard 19mm long rack screws with 10-32 threads feature self-guiding pilot points. HP Series truss head screws provide a clean, modern appearance and fit under optional trim strips, for the most attractive finish. HW Series trim-head screws feature a classic appearance. Includes factory-installed nylon washer.

| Part # | Head | Qty | Part # | Head | Qty |
|--------|------------|-------------------------|--------|-----------|-------------------------|
| HP500 | truss-head | 500 pc. in reusable jar | HW500 | trim-head | 500 pc. in reusable jar |
| HP | truss-head | 100 pc. | HW100 | trim-head | 100 pc. |
| HPS | truss-head | 25 pc. | | | |

US Patent #D517,404,D546,157

Security Rack Screws

Security screws are the ideal way to keep people from tampering with rackmounted equipment. The patented high security Guardian Series™ hardware is unique to Middle Atlantic and features a square post drive that cannot be found elsewhere. All screws are 10-32 by 19mm and include factory-installed black nylon washer and black finish.

| Rack Screw Part # | Qty | Bit Part # | Description |
|-------------------|---------|------------|---|
| HSK | 100 pc. | SPBIT | Highest Security patented square post drive |
| HTX | 50 pc. | TBIT | star post |
| HS | 100 pc. | SBIT | square drive |

Cable Friendly Short Rack Screws

Cable friendly HPQ Series screws are 10 mm long with 10-32 threads and feature a rounded end to allow wires to be dressed inside front rackrail without chafing. Featuring an attractive Phillips truss head, finished in black. Ideal for mounting vent panels and cable management bars.

| Part # | Qty |
|---------|-------------------------|
| HPQ-500 | 500 pc. in reusable jar |
| HPQ | 100 pc. |

Cage Nut Hardware

Cage nuts fit our cage-nut style rackrail and are available for use with 10-32 and 6 mm rack screws to accommodate slide out servers.

| Part # | Description |
|-----------|------------------------|
| CN1032-50 | 50 pc. 10-32 cage nuts |
| CN6MM-100 | 100 pc. 6mm cage nuts |

12-24 and 6MM Rack Screws

Primarily used in telecommunications and data, these 19 mm long 12-24 and 6mm threaded screws are heat-treated to prevent head stripping. Finished in black, includes nylon washers.

| Part # | Qty |
|--------|---------------------------------------|
| HP-6MM | 100 pc. 6mm Phillips head rack screws |

Shoulder Washers

When used in conjunction with the pre-installed washers supplied on our screws, these black nylon shoulder washers will electrically isolate the equipment from the rackrails to help prevent ground loops. 100 piece count. NOTE: not for use with HPQ, HP-6MM and HP-24 screws

| Part # | Qty |
|--------|---------|
| SW | 100 pc. |



HSK Guardian Series™ security hardware

HTX

HS



SPBIT



TBIT



SBIT



HPQ



CN6MM-100



HP-6MM



SW

Finishes shown are a representation of approximate color and appearance.
Actual finish samples are available, please contact us for more information.


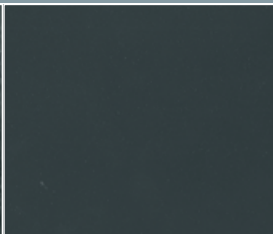

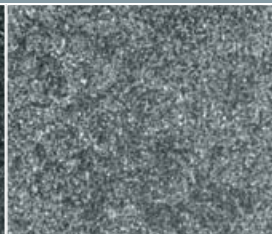


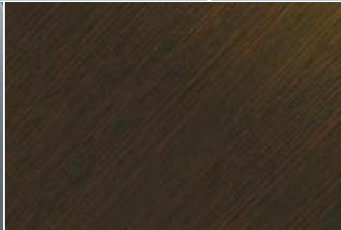

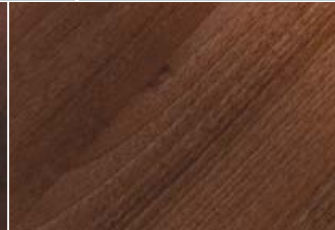




Steel Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| Black Powder Coat (rackshelves, panels, etc.) | Black Textured Powder Coat (cabinets, cabinet options) | Black Brushed & Anodized (panels & accessories) | Black Textured Powder Coat (panels & accessories) | Graphite Desktop Laminate (ISRK, MDK, SCRK/SCQRK) | Putty Textured Powder Coat (WRP, HDR, TOR) |

Wood Laminate Racks

| | | |
|---|--|---|
|  |  |  |
| Black Wood Grain Laminate (RK, BRK) | Maple Wood Grain Laminate (MBRK) | Oak Laminate (OBRK, OSR) |

Furniture and Side Panels

| | | | | |
|---|---|--|---|---|
|  |  |  |  |  |
| Ebony Ash Thermolaminate (C5) | Slate Thermolaminate (Slim 5, C5, ViewPoint™, LCD, Edit Center™ - sides only) | Darkstone Thermolaminate (Slim 5, C5, ViewPoint™) | Graystone Thermolaminate (Slim 5, C5, ViewPoint™, WMS) | Pepperstone Thermolaminate (Slim 5, C5, ViewPoint™, LCD, Edit Center™ - tops only) |
|  |  |  |  | |
| Shark Gray Thermolaminate (Slim 5, C5, ViewPoint™) | Wenge Thermolaminate (Slim 5, C5, ViewPoint™) | Dark Cherry Thermolaminate (Slim 5, C5, ViewPoint™, LCD, Edit Center™, WMS) | Dark Pecan Thermolaminate (Slim 5, C5, ViewPoint™) | |
|  |  |  |  | |
| Aged Cherry Thermolaminate (Slim 5, C5, ViewPoint™) | Honey Maple Thermolaminate (Slim 5, C5, ViewPoint™, LCD, Edit Center™) | Light Walnut Thermolaminate (Slim 5, C5, ViewPoint™) | Maple Thermolaminate (Slim 5, C5, ViewPoint™, WMS) | |

Design Platforms

RackTools® Specification Software



Free layout and specification package for all Rack products. Creates elevation, side, rear and plan view drawings, and also creates Quotes and Purchase Orders. Exports to AutoCAD® and Microsoft Visio®.

Free download from racktools.com

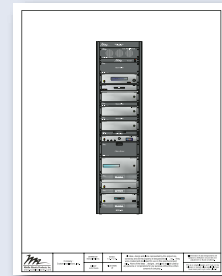
Middle Atlantic Designer™



Full color, 3D console, LD desk, video wall and room layout software package. Includes a line of sight tool. Creates Quotes, Specifications, and also exports to AutoCAD®.

Free download from middleatlantic.com, in the 'Tools' menu.

Stencil Blocks for Visio®



Ready to use stencils for Microsoft Visio®. Visio Blocks have been enhanced with an on-line, updateable database of our complete custom rackshelf offering.

Free download from middleatlantic.com, on the Resources>>Tech Docs page.

Drawings and Specifications

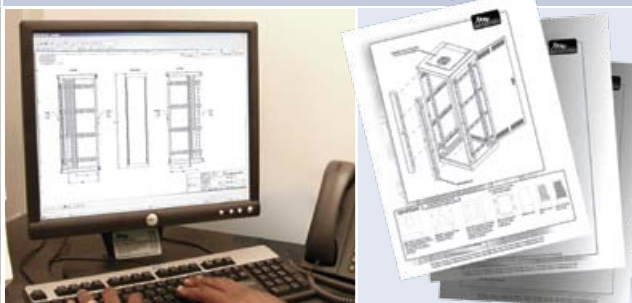
Revit®/BIM (Building Information Modeling)



Revit® family models available for enclosures and consoles.

Available at middleatlantic.com, on the Resources>>Tech Docs page.

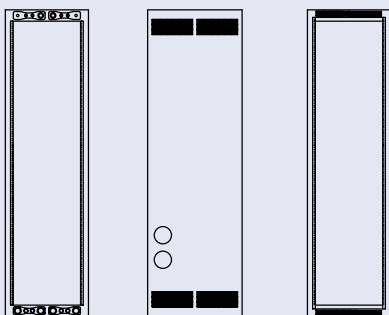
A&E Specification Sheets/CSI MasterFormat 3 Part Specifications/CAD Tech Spec Drawings



Available for most products.

Available at middleatlantic.com, on the Resources>>Tech Docs page.

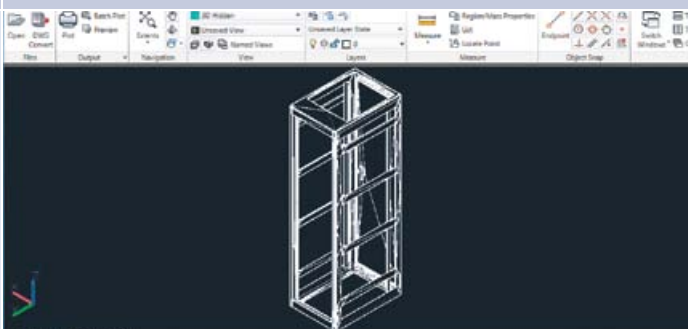
CAD Blocks



Comprehensive library of 2D CAD blocks available for all enclosures.

Available at middleatlantic.com, on the Resources>>Tech Docs page.

3D CAD

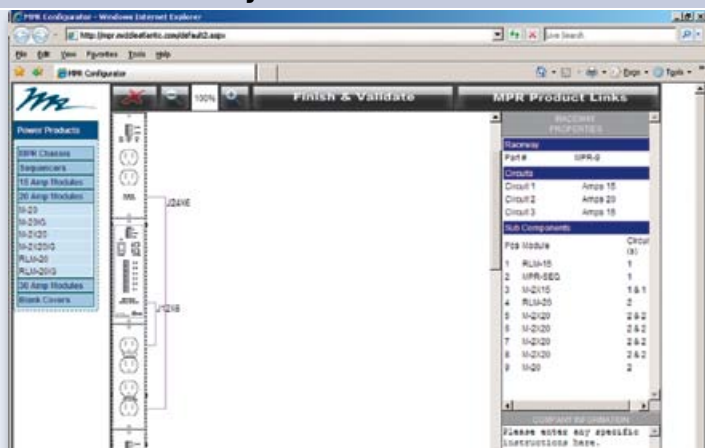


Comprehensive library of 3D CAD models available of enclosures & consoles.

Available at middleatlantic.com, on the Resources>>Tech Docs page.

Online Configurators

MPR Modular Power Raceway



Design an MPR Modular Power Raceway quickly and easily. Creates a diagram, quote and parts list.

Available at middleatlantic.com, in the 'Tools' menu.

Thermal Calculator



Answer a few simple questions to determine the cooling needed to keep the system running at the optimal temperature.

Available at middleatlantic.com, in the 'Tools' menu. Now available for iPhone - see "MAP Toolbox" at iTunes.

RackFinder



Not sure which rack is needed? This quick online tool helps determine the best solution.

Available at middleatlantic.com, on the main home page.

Spec Clips

| Search for Spec Clips | | | | |
|---------------------------------------|-------------|-------------------------|---------|--|
| Product Number : MRK-4026 | | | | |
| <input type="button" value="Search"/> | | | | |
| Product Type | Series Type | Series Type Description | Product | Spec Clip |
| | | | | EIA compliant 19" gangable equipment rack shall be Middle Atlantic Products model # MRK-4026. Overall dimensions shall be 76.125" H x 22" W x 26.4" D. Useable height shall be 40 rackspaces, useable depth shall be 24". Fully welded construction shall provide a static load capacity, 10,000 lbs. UL listed load capacity, 2,500 lbs. Rack shall be constructed of the following materials: top and bottom shall be 14-gauge steel, horizontal braces shall be 16-gauge steel, rear door shall be 18-gauge steel and all structural elements shall be finished in a durable black powder coat. Rack shall come equipped with two pairs of 11-gauge steel rackrail with tapped 10-32 mounting holes in universal EIA spacing, bla |

Save time by letting Spec Clips do the work – simply copy and paste the results into the specification.

Available at middleatlantic.com, in the 'Resources' menu.

Resources

Tech Support Hotline



Available via phone **+973-839-1011** and email (sales@middleatlantic.com), providing expert advice quickly and easily.

White Papers



Practical guidance on power distribution and grounding, thermal management, cable management and seismic installations.

Available at middleatlantic.com, in the 'Resources' menu.

For customer support please contact expert@middleatlantic.com

Term

3 Part Specifications: A CSI MasterFormat 3 Part Spec is a document that contains all the product information and options needed when specifying products in the 3 part format. 3 Part Specifications are available on our website at middleatlantic.com.

A & E Spec: An A & E Spec, or Architects' and Engineers' Specification Sheet, is a document that contains all of the information, including dimensions, materials, and weight capacities, in the format needed when specifying products. Our Architect's and Engineer's Specification Sheets are available on our website at middleatlantic.com or in printed form upon request.

American Society of Civil Engineers (ASCE): ASCE have developed construction standards for buildings and materials which, when used in reference to our racks and enclosures, signifies that the equipment will survive a seismic event when used to approved specifications.

Anodize: A finishing process used on aluminum. This process, when used on our products, includes 'brushing' to give an aesthetically-pleasing grained finish.

Bonding: The permanent joining of metallic parts, likely to become energized, forming an electrically conductive path for a ground fault.

CAD Blocks: AutoCAD® compatible, 1:1 scale product drawings. CAD Blocks can be pasted directly into an AutoCAD layout. Available on our website at middleatlantic.com

California Building Code (CBC): The CBC provides the requirements needed for construction in California which, when used in reference to our racks and enclosures, signifies that the equipment complies with the code and will survive a seismic event when used to approved specifications.

Middle Atlantic Designer™: Full color, 3D console, LD Desk, video wall and room layout software package. Includes a line of sight tool. Creates Quotes, Specifications, and also exports to AutoCAD. Free download from middleatlantic.com, on the Resources>>>Tech Docs page.

E-coat: An electroplating process that, when used on our rackrail, guarantees that the threads do not become clogged.

EIA Compliant: EIA is the 'Electronic Industries Alliance'. 'EIA Compliant' signifies that a rack or enclosure, including accessories, conform to the current EIA-310 standard regarding rackrail spacing, panel sizes, dimensions, etc.

ETL Listed Mark: The ETL Listed Mark is the certification mark, provided by Intertek – an NRTL, which signifies that a product meets or exceeds applicable safety standards. The ETL certification mark signifies that a product has been certified to US and/or Canadian standards.

Federal Communications Commission (FCC): US government agency charged with regulating the non-federal government use of radio frequencies and all telecommunications

Ganging: When two or more racks are connected together, side-by-side. This is done in installations when multiple racks are permanently installed, facilitating cabling between racks. Also referred to as a multi-bay installation.

GREENGUARD: Certification for indoor air quality. The GREENGUARD Environmental Institute tested our products to meet or exceed acceptable air emissions limits for Children and Schools, which have the most stringent requirements.

Grounding: The intentional connection of electrical equipment to a grounding conductor for safety.

International Building Code (IBC): The International Code Council's published requirements for building and construction. The IBC, when used in reference to our racks and enclosures, signifies that the equipment complies with the code and will survive a seismic event when used to approved specifications.

Isolated Ground: Also referred to as a "Technical Ground," this originates only at the point where the ground and neutral are bonded together. Isolated grounding conductors must be insulated & not be bonded to metallic building structures, junction boxes & breaker panels and terminate only at the equipment being served by the isolated ground circuit.

KO: KO is short for 'Knockout,' and applies to the knockouts that have been provided in most of our racks for electrical connections, cable pass-through and also for UHF/VHF antennas. One type of knockout consists of punched indentations in equipment cabinets, which can be easily knocked out using a screwdriver or other similar tool to create one of two different sized openings for running low-voltage cable, electrical conduit, connectors, etc. Another type of knockout is produced by a laser and produces smooth edges that are friendly to cables & contractors.

MOV Surge and Spike Protection: MOV (Metal Oxide Varistor) is an electrical component that protects electrical equipment in the event of an electrical surge or spike.

National Electrical Code (NEC): The National Fire Protection Association (NFPA) publishes this code to provide requirements for electrical installations. When used in reference to our racks and enclosures it specifies the method in which an enclosure is to be grounded and/or bonded.

National Fire Protection Agency (NFPA): The NFPA is the authority on fire, electrical and building safety. When used in reference to our racks and enclosures, we reference NFPA codes and standards to signify that the equipment complies with the applicable requirements for surviving a seismic event, or that it is installed appropriately in the field.

Network Equipment Building System (NEBS): The Network Equipment Building System is a set of standards that, when used in reference to our racks and enclosures, specifies the method in which an enclosure is to be grounded and bonded.

National Recognized Testing Laboratory (NRTL): OSHA program which qualifies and maintains testing agencies to perform product and process evaluations and certifications.

Office of Statewide Health Planning and Development (OSHPD): The Office of Statewide Health Planning and Development is one of 13 departments within the California Health and Human Services Agency. OSHPD Approval, when used in conjunction with our seismic certified racks and enclosures, signifies that the anchorage method and hardware have been pre-approved to survive a seismic event when used to approved specifications.

Powder Coat: Powder coat is an epoxy based finish that is applied electrostatically and then baked to cure the finish. Powder coating is an environmentally friendly process that does not release any harsh chemicals into the water or air. Powder coat is scratch-resistant and protects the materials from corrosion.

Rackspace (Rack unit, RU, space): A rackspace is a 1.75" vertical increment based on EIA/TIA standards and is how all 483mm wide rackmount components are measured in terms of height. It is the only measure common to the metric and English systems.

RackTools®: RackTools is a free layout and specification software package produced by Middle Atlantic Products. Containing our complete product line, RackTools is user-friendly and does not require any third party software to generate drawings, purchase orders and quotes quickly and easily. Please visit racktools.com for more information and to download your free copy.

Restricted of Hazardous Substances (2002/95/EC) (RoHS): European regulation (Directive) which defines and regulates the amount of certain hazardous substances in electrical and electronic products being introduced into the EU. Regulated materials include: lead, cadmium, mercury, hexavalent chromium, poly-brominated flame retardants (PBBs), and poly-brominated diphenyl ethers (PBDEs).

RoHS Directive of the European Union: Provides the requirements for the use of certain hazardous substances in electrical and electronic equipment being introduced into the EU. Regulated materials include, but are not limited to: lead, cadmium, mercury, hexavalent chromium, poly-brominated flame retardants (PBBs), and poly-brominated diphenyl ethers (PBDEs)

Seismic Certified: A seismic certification signifies that our rack or enclosure has been certified to established standards and requirements to survive a seismic event and remain functional. A seismic certified rack is one component of a seismic rated installation.

Spec Clips™: Customizable specification clips that can be copied and pasted directly into project specifications. Please visit middleatlantic.com to access this free tool.

Stand-Alone: Racks or power modules that are used alone, i.e. WRK-SA Series stand-alone enclosure and 30 amp stand-alone power modules.

Stencil Blocks for Visio®: Ready-to-use stencils for use with Microsoft Visio®. Stencil Blocks have been enhanced with an on-line, updatable database of our complete custom rackshelf offering.

TIA Compliant: TIA is the 'Telecommunications Industry Association'. 'TIA Compliant' signifies that a rack or enclosure, including accessories, conform to standards regarding rackrail spacing, panel sizes, dimensions, etc.

UL Listed: The UL Listed certification mark signifies that a product has been tested and certified by Underwriters Laboratories (UL) to meet or exceed applicable safety standards. The UL certification mark signifies that a product has been certified to US and/or Canadian standards.

Uniform BuildingCode (UBC): The UBC, when used in reference to our racks and enclosures, signifies that the equipment complies with the code and will survive a seismic event when used to approved specifications.

Useable Depth: On racks the useable depth is based on the maximum front to rear rail depth, with the exception of wall racks, where the open space in the backpan is considered part of the useable depth. On a rackshelf, the useable depth is the maximum depth of the component that can fit on the shelf.

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Middle Atlantic Products, Inc. manufactures exceptional support and protection products to mount integrated AV systems in Residential, Commercial, Broadcast, and Security applications. All of our products are engineered to maximize system reliability and to meet the needs of installers; from thermal considerations and built-in cable management on our racks and enclosures, to pre-installed washers on our rack screws, we build in ways to save time and simplify the job.

Our customer-first philosophy doesn't stop with our products. We have a fleet of regional delivery trucks based at our New Jersey, Illinois and California facilities that deliver our products to nearby customers and installation sites. Our demonstration vehicles tour the country displaying our products and providing a hands-on look at the unique features and benefits. And our free electronic tools, including RackTools™ rack specification software, and Middle Atlantic Designer™ 3D layout software for technical furniture and video walls, make it easy to design your racks and furniture layouts and quickly generate Purchase Orders and Quotes.

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We are proud to hold both ISO 9001 registration for our quality management system in all our US facilities, and ISO 14001 registration for our environmental management system at our New Jersey headquarters location. Together, these rigorous, independently verified world-class registrations provide the assurance that our customers will continue to receive high quality products and services, and that as a corporation we are dedicated to proactively managing our environmental impact.

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Commitment to the Environment

Middle Atlantic Products demonstrates a strong commitment to the environment, one which influences all aspects of our business, not simply product design.

We are proud that our New Jersey headquarters and manufacturing facility has achieved ISO 14001 registration for our environmental management system. We strive to use less energy and fewer natural resources to make our products because it helps lessen our impact on the environment, but it also helps us benefit our customers with competitive prices.

To further our commitment to the environment and healthy work spaces, we have achieved GREENGUARD Indoor Air Quality Certification for Children and Schools (the strictest level available) on the majority of our product line. This certifies that our products meet the strictest levels of emissions of Volatile Organic Compounds.

To learn more about our environmental initiatives, contact us or see our website.



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