Lowell™
MANUFACTURING COMPANY

RACKS & ENCLOSURES

Made in the U.S.A.

RACKS

The LER is ideal for a one- or two-rack set-up such as used in small or medium house of worship installations. It can be ordered by itself, with a bunlde of accessories, or with a set of pre-installed accessories to save time and labor.

LER enclosed rack (adj. rails)

Stand-alone racks like the LER are ideal for small/medium applications, like some house of worship venues. The fully-welded LER is 16-ga. certified U.S. steel with a 14-ga. steel bottom reinforced at load-bearing junctions. Includes abundant cable lacing points, beveled corners, Pilot-Point™ screws with captive washers. Black wrinkle powder epoxy finish. Made in the U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Sides: welded steel with vents.

Front: open with top/bottom vents.

Rear: vented recessed rear door with key lock. Knockout panels above and below door are removable and have 0.5-in. knockouts for BNC wireless antennae, compound knockouts for 0.5 to.75 in. or 1 to 1.5 in. conduit. The rear door can be omitted if not needed (add "LRD" suffix to model number).

Top: open top can be closed with steel panels included as shipping stiffeners. Six-in. deep rear conduit plane has 6 0.5-in. knockouts for BNC wireless antennae, 3 knockouts for 1-2 in. conduit, 2 knockouts for 1-1.5 in. conduit, and room to use Greenlee-style punch for 4-in. conduit.

Bottom: open bottom with grounding stud and provisions for options like leg levelers or anchors.

Rails: 2-pair adjustable mounting rails tapped 10-32 are included with 32-in. deep racks (1-pair with other sizes). Rails have a printed scale to facilitate equipment installation.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. UL Listed to Std. 1678 in U.S. and Canada for loads to 3150 lbs. (1429 kg).

RACK OPTIONS:

- LFD series: front door will surface-mount to left or right hinge. Solid, fully-vented, or plexiglass.
- RRD series: rear rails
- LSB/LSSB series: stationary base
- LMB/LMSB series: mobile base.
- 19-in. E.I.A.: panels, shelves, drawers and other options can be found in the accessories section.
- Less Rear Door: the LER can also be ordered without a rear door (add "LRD" suffix to model number from chart below), with an accessory bundle (see "BAV" suffix in model numbers on next page), or with a set of installed accessories (see "IAV" suffix in model numbers on next page).

The LER rack with welded sides is well suited for one or two-rack installs. Add an optional front door for extra security.

LER rack

The LER rack includes the standard features listed on the opposite page. Popular options are shown in the chart below but should be ordered separately. Additional options can be found under "Accessories".

Model No.*	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Options — Order Separately						
						Extra Pair Rack Rails	Solid Front Door	Fully-Vented Front Door	Plexiglas Front Door	Stationary Base	Mobile Base	Power Strip in. †
LER-1822	18	22 (559)	19 (491)	38 (457)	1006	RRD-18	LFD-18	LFD-18FV	LFD-18P	LSB-22	LMSB-22	30.00
LER-2122	21	22 (559)	19 (491)	43 (1089)	1006	RRD-21	LFD-21	LFD-21FV	LFD-21P	LSB-22	LMSB-22	36.75
LER-2422	24	22 (559)	19 (491)	48 (1222)	1006	RRD-24	LFD-24	LFD-24FV	LFD-24P	LSB-22	LMSB-22	42.00
LER-3522	35	22 (559)	19 (491)	67 (1702)	1006	RRD-35	LFD-35	LFD-35FV	LFD-35P	LSB-22	LMSB-22	61.25
LER-4022	40	22 (559)	19 (491)	76 (1934)	1006	RRD-40	LFD-40	LFD-40FV	LFD-40P	LSB-22	LMSB-22	70.00
LER-4422	44	22 (559)	19 (491)	83 (2111)	1006	RRD-44	LFD-44	LFD-44FV	LFD-44P	LSB-22	LMSB-22	77.00
LER-1827	18	27 (686)	19 (491)	38 (457)	1005	RRD-18	LFD-18	LFD-18FV	LFD-18P	LSB-27	LMB-27	30.00
LER-2127	21	27 (686)	24 (618)	43 (1089)	1005	RRD-21	LFD-21	LFD-21FV	LFD-21P	LSB-27	LMB-27	36.75
LER-2427	24	27 (686)	24 (618)	48 (1222)	1005	RRD-24	LFD-24	LFD-24FV	LFD-24P	LSB-27	LMB-27	42.00
LER-3527	35	27 (686)	24 (618)	67 (1702)	1005	RRD-35	LFD-35	LFD-35FV	LFD-35P	LSB-27	LMB-27	61.25
LER-4027	40	27 (686)	24 (618)	76 (1934)	1005	RRD-40	LFD-40	LFD-40FV	LFD-40P	LSB-27	LMB-27	70.00
LER-4427	44	27 (686)	24 (618)	83 (2111)	1005	RRD-44	LFD-44	LFD-44FV	LFD-44P	LSB-27	LMB-27	77.00
LER-2432	24	32 (813)	29 (745)	48 (1222)	1007	RRD-24	LFD-24	LFD-24FV	LFD-24P	LSB-32	LMB-32	42.00
LER-3532	35	32 (813)	29 (745)	67 (1702)	1007	RRD-35	LFD-35	LFD-35FV	LFD-35P	LSB-32	LMB-32	61.25
LER-4032	40	32 (813)	29 (745)	76 (1934)	1007	RRD-40	LFD-40	LFD-40FV	LFD-40P	LSB-32	LMB-32	70.00
LER-4432	44	32 (813)	29 (745)	83 (2111)	1007	RRD-44	LFD-44	LFD-44FV	LFD-44P	LSB-32	LMB-32	77.00

To order a rack without the rear door, add "LRD" to end of model number (i.e. LER-3522-LRD).

† Maximum length of power strip that can mount vertically to hat sections in rack. (ultimate fit depends on rack accessories and size of cable bundles).

LER---BAV rack with bundled accessories

This LER rack includes a bundle of popular accessories that are shipped with it, in separate packaging. Style and quantity of accessories varies with rack height.

BUNDLE INCLUDES:
- Solid front door with key lock.
- Extra pair of rails tapped 10-32
- 7U fan panel with 4 whisper fans

- Leg levelers
- 15A corded power strip(s) with surge protection, 24 outlets.
- Horizontal/vertical cable managers.
- Velcro cable wraps
- Extra rack screws

Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Total Rails	Front Door	Fan Panel	Power Strip(s)	Vertical Cable Mgr	Horizontal Cable Mgr	Leg Levelers	Velcro Wraps	Spec No.
LER-3527-BAV	35	27 (686)	24 (618)	67 (1702)	2-pr	solid	1	2	1	6	4	1-pk	1161
LER-4027-BAV	40	27 (686)	24 (618)	76 (1934)	2-pr	solid	1	2	1	6	4	1-pk	1161
LER-4427-BAV	44	27 (686)	24 (618)	83 (2111)	2-pr	solid	1	1	1	6	4	1-pk	1161

LER---IAV rack with installed accessories

This version of the LER includes the rack with a set of installed accessories. Style and quantity of accessories varies with rack height.

INSTALLED ACCESSORIES:
- 2U utility shelf holds 50 lbs.
- 2U utility shelf with adjustable depth holds 250 lbs.
- Extra pair of rails tapped 10-32.
- Horizontal/vertical cable managers.

- 2U vent panels.
- Mobile base with fine-floor casters.
- Corded power strip with surge protection and (6 or 12) 15A outlets.

The LER---IAV with installed accessories saves time in ordering and set-up.

Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Total Rails	Utility Shelves	Vari-Depth Shelf	Vent Panels	15A Power Strip	Horizontal Cable Mgrs	Vertical Cable Mgr	Mobile Base	Spec No.
LER-1827-IAV	18	27 (686)	24 (618)	38 (965)	2-pr.	3	1	3	1 (6-outlet)	3	1	1	1156
LER-2127-IAV	21	27 (686)	24 (618)	43 (1089)	2-pr.	3	1	3	1 (12-outlet)	3	1	1	1156
LER-3527-IAV	35	27 (686)	24 (618)	67 (1702)	2-pr.	5	1	5	1 (12-outlet)	6	1	1	1156

LBR enclosed rack (economical, fixed rail)

The LBR is a welded rack for small installations or limitied budgets. Rack includes welded sides and rear door (front door is optional).

The LBR stand-alone rack with fixed-position front mounting rails is the economical choice for equipment that will remain in the fully-forward rail position. This 16-ga. steel welded rack with 14-ga. steel bottom is reinforced at loadbearing junctions. Includes PilotPoint™ screws with captive washers. Black wrinkle powder epoxy finish. Made in the U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Sides: welded steel with vents.

Front: open with top/bottom vents.

Rear: vented recessed rear door with key lock. The rear door can be omitted if not needed (add "LRD" suffix to model number). Knockouts are above and below rear door. Welded Z-angle set 9-in. from rear accepts optional mounting rails.

Top: open top can be closed with steel panels included as shipping stiffeners. Integral top rails tapped 10-32 can be removed for large cable bundles. Combination knockouts.

Bottom: full size opening in bottom facilitates floor entry of cable. Grounding stud and provisions to accept options like leg levelers or anchors.

Rails: 1-pair fixed-position front rails tapped 10-32 have a printed scale to aid equipment installation. Due to rear Z-angle, maximum rail space is 15.125-in. or 20.125-in., depending on rack depth.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Static load capacity 800 lbs. [362 kg].

RACK OPTIONS:

- **LFD series**: front door will surface-mount to left or right hinge. Solid, fully-vented, or plexiglass.
- **LBR-RRT series**: rear rails
- **LBR-SB series**: stationary base
- **LBR-MB/LMSB series**: mobile base
- **19-in. E.I.A.**: panels, shelves, drawers and other options can be found in the accessories section.

Welded Z-angle is set 9-in. from rear and accepts optional rear rails.

Model No.*	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Extra Pair Rack Rails	Solid Front Door	Fully-Vented Front Door	Plexiglass Front Door	Stationary Base	Mobile Base	Power Strip in. †
LBR-2122	21	22 (559)	21.25 (539)	40.95 (1040)	1175	LBR-RRT21	LFD-21	LFD-21FV	LFD-21P	LBR-SB22	LMSB-22	36.75
LBR-2422	24	22 (559)	21.25 (539)	46.20 (1173)	1175	LBR-RRT24	LFD-24	LFD-24FV	LFD-24P	LBR-SB22	LMSB-22	42.00
LBR-3522	35	22 (559)	21.25 (539)	65.45 (1662)	1175	LBR-RRT35	LFD-35	LFD-35FV	LFD-35P	LBR-SB22	LMSB-22	61.25
LBR-4022	40	22 (559)	21.25 (539)	74.20 (1884)	1175	LBR-RRT40	LFD-40	LFD-40FV	LFD-40P	LBR-SB22	LMSB-22	70.00
LBR-4422	44	22 (559)	21.25 (539)	81.20 (2162)	1175	LBR-RRT44	LFD-44	LFD-44FV	LFD-44P	LBR-SB22	LMSB-22	77.00
LBR-2127	21	27 (686)	26.25 (666)	40.95 (1040)	1176	LBR-RRT21	LFD-21	LFD-21FV	LFD-21P	LBR-SB27	LBR-MB27	36.75
LBR-2427	24	27 (686)	26.25 (666)	46.20 (1173)	1176	LBR-RRT24	LFD-24	LFD-24FV	LFD-24P	LBR-SB27	LBR-MB27	42.00
LBR-3527	35	27 (686)	26.25 (666)	65.45 (1662)	1176	LBR-RRT35	LFD-35	LFD-35FV	LFD-35P	LBR-SB27	LBR-MB27	61.25
LBR-4027	40	27 (686)	26.25 (666)	74.20 (1884)	1176	LBR-RRT40	LFD-40	LFD-40FV	LFD-40P	LBR-SB27	LBR-MB27	70.00
LBR-4427	44	27 (686)	26.25 (666)	81.20 (2162)	1176	LBR-RRT44	LFD-44	LFD-44FV	LFD-44P	LBR-SB27	LBR-MB27	77.00

Options — Order Separately

* To order a rack without the rear door, add "LRD" to end of model number (i.e. LER-3522-LRD).

† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LLR laminated rack

The black woodgrain laminate finish adds a premium quality, furniture-grade appearance to this laminated rack making it suitable for residential or commercial use. Made in U.S.A. Ships unassembled.

STANDARD FEATURES:

Width: overall 20.41-in. [518mm]; rail mounting 19-in. [483mm].

Sides, Top & Bottom: 0.62" [16mm] wood composite with Cathedral Black woodgrain laminate finish.

Front & Back: open for passive heat dissipation.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Static load capacity 200 lbs. [91 kg].

Rails: 1-pair fixed-position front rails tapped 10-32 have a printed scale to aid equipment installation. Rails are pre-installed.
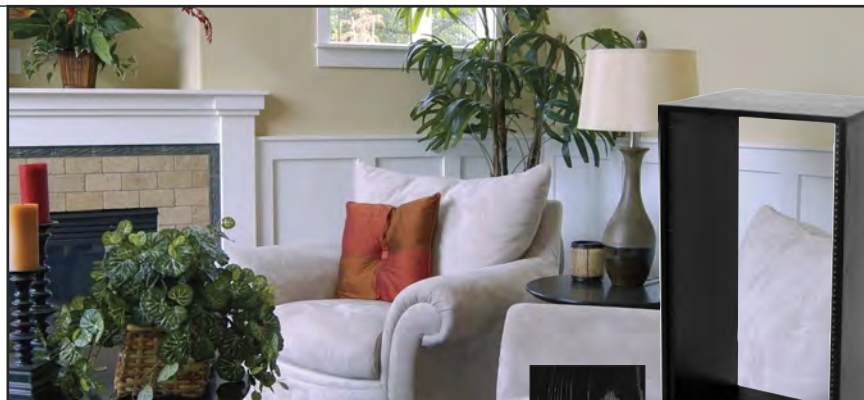
Hardware: Phillips-head cams and dowels install from inside without using special hardware and include black covers so there's no visible hardware on exterior.

RACK OPTIONS:

• **LLR-RRT series:** rear rails

Premium Cathedral Black woodgrain laminate finish enhances room decor. Open front/rear allow passive thermal management.

Ships via UPS

Model No.	Rack Units	Overall D in. (mm)	Overall H in. (mm)	Overall W in. (mm)	Spec No.	Option — Order Separately Pair of Rack Rails
LLR-1018-B	10	18 (457)	18.90 (480)	20.41 (518)	1018	LLR-RRT-10
LLR-1218-B	12	18 (457)	22.40 (569)	20.41 (518)	1018	LLR-RRT-12
LLR-1618-B	16	18 (457)	29.40 (747)	20.41 (518)	1018	LLR-RRT-16
LLR-2118-B	21	18 (457)	38.15 (969)	20.41 (518)	1018	LLR-RRT-21

LRR relay rack

The LRR relay or network rack is made to provide full access to voice or data cables in commercial sound, broadcast and telecommunication applications. Aluminum and steel with black powder epoxy finish. Made in U.S.A. Ships unassembled.

STANDARD FEATURES:

Width: overall 20.25-in. [514mm].

Depth: overall at base 15-in. [381mm]

Height: 38 or 45 rack units

Top: angle supports are 2-piece aluminum construction.

Base: angle supports are 2-piece aluminum construction with 4 pre-drilled holes so rack can be secured to floor when needed for stability or code-compliance.

Vertical Channels: 3-in. wide channels are 11-gauge steel with integral holes tapped 10-32 on E.I.A. mounting centers.

Compliance: E.I.A. and T.I.A. compliant.

Hardware: includes assembly and panel mounting hardware.
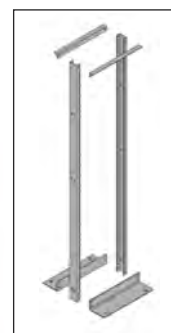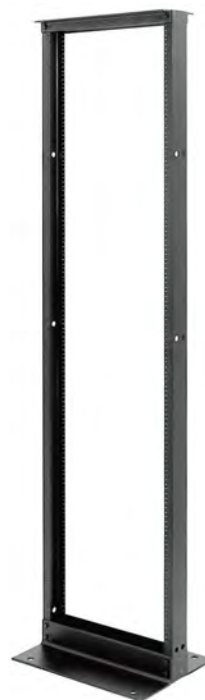
Ships via UPS

Model No.	Rack Units	Depth at Base in. (mm)	Overall H in. (mm)	Overall W in. (mm)	Spec No.
LRR-3815	38	15 (381)	72 (1829)	20.25 (514)	1015
LRR-4515	45	15 (381)	84 (2134)	20.25 (514)	1015

LHR host rack

Host racks are specified in space-critical installations where easy access to cables and wiring is essential. This two-part rack is space efficient, while allowing convenient pull-and-turn access.

This two-part floor rack features an exterior cabinet with welded sides and an interior rollout rack that rotates to provide superior access to equipment, even when the rack is installed against a wall or in a back-to-back configuration. PilotPoint™ screws with captive washers. Beveled corners, black wrinkle powder epoxy finish. Made in the U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Exterior cabinet with welded sides: 24-in. wide [610mm] cabinet is fully-welded steel with vented sides, open front, open rear, and 10U top opening which can be closed using the two panels included as shipping stiffeners. Top has front-to-rear knockouts for up to three-pair of wireless antenna, rear knockouts in 6" weld-braced platform, four compound knockouts, and center oval for wire pass-through. It can support 6" termination box or 4" conduit with locking ring (Greenlee field-punched hole). The cabinet includes side-mounted front-to-rear supports to attach optional power accessories, provisions for anchoring, and a green bonding or grounding wire to interior rack. Includes four lacing panels.

Interior pull-out rack: 19-in. [483mm] rail-mounting width with four corner post mounting rails tapped 10-32 and side/rear braces mounted to caster base. Interior rack pulls out from the cabinet and rotates on stainless steel ball transfers for easy access to equipment and cables (requires 3.5" clearance on both sides for rotation). It can be completely disengaged from the external cabinet for shop wiring. Includes four lacing panels.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Load capacity of interior pull-out rack is 750 lbs. [340 kg].

RACK OPTIONS:

- **LHR-FD series:** front door with key lock will surface-mount to left or right hinge. Solid or plexiglass.
- **LHR-RAC series:** rear access cover with key lock.
- **19-in. E.I.A.:** panels, shelves, drawers and other options can be found in the accessories section.

The LHR inner rack pulls out and pivots on stainless steel ball transfers. A front door and rear access cover are optional.

Rack Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Ext. Overall H in. (mm)	Int. Max. Rollout in. (mm)	Spec No.	Options — Order Separately			
							Solid Front Door	Plexiglass Front Door	Rear Access Cover	Power Strip (in.) †
LHR-2432	24	32.88 (835)	26 (660)	53.86 (1368)	25 (635)	1034	LHR-FD24	LHR-FD24P	LHR-RAC24V	42.00"
LHR-3532	35	32.88 (835)	26 (660)	73.27 (1861)	25 (635)	1034	LHR-FD35	LHR-FD35P	LHR-RAC35V	61.25"
LHR-4432	44	32.88 (835)	26 (660)	89.02 (2261)	25 (635)	1034	LHR-FD44	LHR-FD44P	LHR-RAC44V	77.00"
LHR-3542	35	42.88 (1089)	36 (914)	73.27 (1861)	35 (889)	1034	LHR-FD35	LHR-FD35P	LHR-RAC35V	61.25"
LHR-4442	44	42.88 (1089)	36 (914)	89.02 (2261)	35 (889)	1034	LHR-FD44	LHR-FD44P	LHR-RAC44V	77.00"

† *Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.*

Seismic-certified Racks

Anchorage Categories

CAT. 1 ANCHORAGE: provisions that meet life safety requirements to protect building occupants from the danger of racks falling over or obstructing egress routes during a seismic event. This certification is required by the California Building Code (CBC) and International Building Code (IBC) for installations in moderate to high seismic regions. Also required by Office of Statewide Health Planning and Development for California (OSHPD).

CAT. 2 ANCHORAGE & RACK: structure provisions that meet life safety requirements listed above *plus* those for "Essential Facilities" where the survival and operability of critical equipment following a seismic event is required. This more stringent certification is required by the IBC for installations in moderate to high seismic regions deemed "essential" or "designated seismic systems" with an importance factor of 1.5 including medical, fire, police, telecommunications and critical public, private, government, and institutional facilities.

Critical facilities may require the more stringent Cat. 2 certification.

IBC QUALIFIER BRACE (option): Depending on the seismic region, some installations also require IBC Qualifier Braces in addition to anchoring to meet the ANCHORAGE & RACK qualification. Requirement is based on project site spectral acceleration (S_S) and specific rack model install locations (lower, middle or upper third of building). Spectral acceleration, S_S, is specified in the building's structural design drawings or geotechnical report.

1-pr   2-pr   4-pr
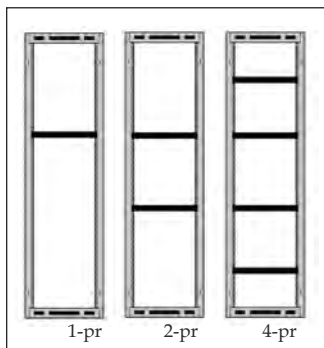
IBC Qualifier Braces

IBC Qualifier Braces are specially fabricated panels installed to certified hardware/torque specifications in designated locations on front and rear rack mounting rails. Braces must be factory-installed. To maintain IBC qualification, all braces and mounting rails must remain in factory-installed positions.

PE-CERTIFIED DOCUMENTS: Lowell seismic-certified racks have undergone rigorous analysis to meet or exceed specifications for Cat. 1 and Cat. 2 code compliance and receive Professional Engineer (PE) certification for ANCHORAGE and ANCHORAGE & RACK structures per IBC (1613.1/ ASCE/SEI-7-05 section 13.2.1 1621 for racks installed in buildings with an importance factor of 1.5 (essential) or 1.0 (non-essential).

Each rack ships with information on how to install it for code compliance and includes PE certified documentation to meet IBC 2009 requirements and satisfy technical, seismic and quality assurance requirements of the IBC for essential and non-essential facilities with an importance factor of 1.5 and spectral acceleration up to 3.0 g's. *This documentation package may preclude the necessity of having a structural engineer perform additional seismic calculations for each rack location or generate additional quality assurance documentation* such as installation drawings or quality assurance plan for special inspections required by the building official or Authority Having Jurisdiction (AHJ).

Lowell LSER and LSGR racks ship with P.E. certified documentation.

LSER seismic-certified enclosed rack

Optional front door can be added for increased security.

The LSER rack is suitable for Cat. 1 Anchorage or Cat. 2 Anchorage & Rack qualification. Essential Facility installations may require the IBC Qualifier Brace option which must be factory-installed. This fully welded 16-gauge certified U.S. steel rack has 14-ga. steel bottom and is reinforced at loadbearing junctions. Includes PilotPoint™ screws with captive washers. Beveled corners and black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Sides: welded steel panels with vents.

Front: open with top/bottom vents.

Top: open top can be closed with steel panels included as shipping stiffeners. Six-in. deep rear conduit plane has 6 0.5-in. knockouts for BNC wireless antennae, 3 knockouts for 1-2 in. conduit, 2 knockouts for 1-1.5 in. conduit, and room to use Greenlee-style punch for 4-in. conduit.

Rear: vented recessed rear door with key lock. Knockout panels above and below door are removable and have 0.5-in. knockouts for BNC wireless antennae, compound knockouts for 0.5 to.75 in. or 1 to 1.5 in. conduit.

Bottom: reinforced with corner weldments and provisions for options like leg levelers (model no. LL) or anchors (by others).

Rails: 2-pair adjustable mounting rails tapped 10-32 are included with 32-in. deep racks (1-pair with other sizes). Rails have a printed scale to facilitate equipment installation.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. UL Listed to Std. 1678 in U.S. and Canada. Seismically qualified for loads to 1200 lbs. [544kg] dependent upon model.

RACK OPTIONS:

- IBC qualifier braces: must be factory-mounted. To order this option, select a rack model number with an EQQ suffix.

- LFD series: front door will surface-mount to left or right hinge. Solid, fully-vented, or plexiglass.

- RRD series: rear rails

- 19-in. E.I.A.: panels, drawers and other options can be found in the accessories section

Do not use a mobile or stationary base with seismic-certified racks.

Model No.*	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Rack Rails	IBC Braces	Spec No.	Solid Front Door	Fully-Vented Front Door	Plexiglass Front Door	Power Strip in. †
LSER-3527	35	27 (686)	24.34 (618)	67.38 (1711)	1-pr	---	1085	LFD-35	LFD-35FV	LFD-35P	61.25"
LSER-4027	40	27 (686)	24.34 (618)	76.18 (1935)	1-pr	---	1085	LFD-40	LFD-40FV	LFD-40P	70.00"
LSER-4427	44	27 (686)	24.34 (618)	83.13 (2112)	1-pr	---	1085	LFD-44	LFD-44FV	LFD-44P	77.00"
LSER-3532	35	32 (813)	29.34 (745)	67.38 (1711)	2-pr	---	1087	LFD-35	LFD-35FV	LFD-35P	61.25"
LSER-4032	40	32 (813)	29.34 (745)	76.18 (1935)	2-pr	---	1087	LFD-40	LFD-40FV	LFD-40P	70.00"
LSER-4432	44	32 (813)	29.34 (745)	83.13 (2112)	2-pr	---	1087	LFD-44	LFD-44FV	LFD-44P	77.00"
LSER-4032-EQQ1	40	32 (813)	29.34 (745)	76.18 (1935)	2-pr	1-pr	1087	LFD-40	LFD-40FV	LFD-40P	70.00"
LSER-4432-EQQ1	44	32 (813)	29.34 (745)	83.13 (2112)	2-pr	1-pr	1087	LFD-44	LFD-44FV	LFD-44P	77.00"
LSER-4432-EQQ2	44	32 (813)	29.34 (745)	83.13 (2112)	2-pr	2-pr	1087	LFD-44	LFD-44FV	LFD-44P	77.00"

Options — Order Separately

* To order a rack without the rear door, add "LRD" to end of model number (i.e. LSER-3522-LRD).
† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LSGR seismic-certified gangable rack

The LSGR is designed for Cat. 1 Anchorage or Cat. 2 Anchorage & Rack qualification. Essential Facility installations may require the IBC Qualifier Brace option which must be factory-installed. The LSGR's open design provides easy access to cable bundles and there are plentiful pre-drilled holes for wire looming. The rack is welded 16-ga. steel with 14-ga. steel bottom and reinforcements at loadbearing junctions. Includes PilotPoint™ screws with captive washers. Beveled corners and black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Sides: open sides feature seamless, X-frame construction. Vertical array of 2-in. holes.

Front: open with top/bottom vents.

Top: open top can be closed with steel panels included as shipping stiffeners. Six-in. deep rear conduit plane has 6 0.5-in. knockouts for BNC wireless antennae, 3 knockouts for 1-2 in. conduit, 2 knockouts for 1-1.5 in. conduit, and room to use Greenlee-style punch for 4-in. conduit.

Rear: vented recessed rear door with key lock. Knockout panels above and below door are removable and have 0.5-in. knockouts for BNC wireless antennae, compound knockouts for 0.5 to.75 in. or 1 to 1.5 in. conduit.

Bottom: full-size opening with holes along sides to accommodate cabling between racks. Welded brackets in each corner. Rack includes grounding stud and provisions for options like leg levelers (model no. LL) or anchors (by others).

Rails: 2-pair adjustable mounting rails tapped 10-32 are included. Rails have a printed scale to facilitate equipment installation.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. UL Listed to Std. 1678 in U.S. and Canada. Seismically qualified for loads to 1200 lbs. [544kg] dependent upon model.

RACK OPTIONS:

• IBC qualifier braces: must be factory-mounted. To order this option, select a rack model number with an EQQ suffix.

• LFD series: front door will surface-mount to left or right hinge. Solid, fully-vented, or plexiglass.

• RRD series: rear rails

• LGR---SP series: solid side panels, sold in pairs, increases overall width to 24.31-in. [617mm].

• 19-in. E.I.A.: panels, shelves, drawers and other options can be found in the accessories section

Do not use a mobile or stationary base with seismic-certified racks.

Seamless X-frame construction and welded brackets in corners make this an extremely sturdy rack.

Model No.*	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Rack Rails	IBC Braces	Spec No.	Options — Order Separately				
								Solid Front Door	Fully-Vented Front Door	Plexiglass Front Door	Side Panels	Power Strip in. †
LSGR-4027	40	27 (686)	24.34 (618)	76.18 (1935)	2-pr	---	1093	LFD-40	LFD-40FV	LFD-40P	LGR-4027-SP	70.00
LSGR-4427	44	27 (686)	24.34 (618)	83.13 (2112)	2-pr	---	1093	LFD-44	LFD-44FV	LFD-44P	LGR-4427-SP	77.00
LSGR-4032	40	32 (813)	29.00 (737)	76.18 (1935)	2-pr	---	1092	LFD-40	LFD-40FV	LFD-40P	LGR-4032-SP	70.00
LSGR-4432	44	32 (813)	29.00 (737)	83.13 (2112)	2-pr	---	1092	LFD-44	LFD-44FV	LFD-44P	LGR-4432-SP	77.00
LSGR-4036	40	36 (914)	33.34 (847)	76.18 (1935)	2-pr	---	1091	LFD-40	LFD-40FV	LFD-40P	LGR-4036-SP	70.00
LSGR-4436	44	36 (914)	33.34 (847)	83.13 (2112)	2-pr	---	1091	LFD-44	LFD-44FV	LFD-44P	LGR-4436-SP	77.00
LSGR-4032-EQQ1	40	32 (813)	29.00 (737)	76.18 (1935)	2-pr	1-pr	1092	LFD-40	LFD-40FV	LFD-40P	LGR-4032-SP	70.00
LSGR-4432-EQQ1	44	32 (813)	29.00 (737)	83.13 (2112)	2-pr	1-pr	1092	LFD-44	LFD-44FV	LFD-44P	LGR-4432-SP	77.00
LSGR-4432-EQQ2	44	32 (813)	29.00 (737)	83.13 (2112)	2-pr	2-pr	1092	LFD-44	LFD-44FV	LFD-44P	LGR-4432-SP	77.00
LSGR-4036-EQQ1	40	36 (914)	33.34 (847)	76.18 (1935)	2-pr	1-pr	1091	LFD-40	LFD-40FV	LFD-40P	LGR-4036-SP	70.00
LSGR-4436-EQQ1	44	36 (914)	33.34 (847)	83.13 (2112)	2-pr	1-pr	1091	LFD-44	LFD-44FV	LFD-44P	LGR-4436-SP	77.00
LSGR-4436-EQQ2	44	36 (914)	33.34 (847)	83.13 (2112)	2-pr	2-pr	1091	LFD-44	LFD-44FV	LFD-44P	LGR-4436-SP	77.00

* To order a rack without the rear door, add "LRD" to end of model number (i.e. LSGR-3522-LRD).

† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

Gangable Racks

Gangable racks are typically chosen for large, multi-bay venues such as those used in sports facilities, stadiums and convention centers.

LGR gangable rack

The LGR gangable floor rack is made for use in multi-bay venues such as stadiums or arenas. The open design offers very easy access to cable bundles and there are plentiful pre-drilled holes in the rack for wire looming. The LGR features welded 16-gauge steel with 14-ga. steel bottom and is reinforced at loadbearing junctions. Includes PilotPoint™ screws with captive washers, beveled corners and black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Sides: open.

Front: open with top/bottom vents.

Rear: vented recessed rear door with key lock. The rear door can be omitted if not needed (add "LRD" suffix to model number). Knockout panels above and below door are removable and have 0.5-in. knockouts for BNC wireless antennae, compound knockouts for 0.5 to.75 in. or 1 to 1.5 in. conduit.

Top: open top can be closed with steel panels included as shipping stiffeners. Six-in. deep rear conduit plane has 6 0.5-in. knockouts for BNC wireless antennae, 3 knockouts for 1-2 in. conduit, 2 knockouts for 1-1.5 in. conduit, and room to use Greenlee-style punch for 4-in. conduit.

Bottom: full-size opening with holes along sides to accommodate cabling between racks. Includes grounding stud and provisions for options like leg levelers (model LL) or anchors (by others).

Rails: 1-pair adjustable mounting rails tapped 10-32 are included with 22-in. deep racks; 2-pair are included with deeper racks (27-in.+). Rails have a printed scale to facilitate equipment installation.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. UL Listed to Std. 1678 in U.S. and Canada. Load-tested to 3500 lbs. [1588kg] dependent upon model.

RACK OPTIONS:

- LFD series: front door will surface-mount to left or right hinge. Solid, fully-vented, or plexiglass.
- LGR---SP series: solid side panels, sold in pairs, increases overall width to 24.31-in. [617mm]. Each side panel for 42-in. deep racks is split for easier maneuverability.
- LCC4 series: 4-in. wide cable chase.
- RRD series: rails
- 19-in. E.I.A.: panels, shelves, drawers and other options can be found in the accessories section

Side panels and a front door are available as optional accessories.

LGR rack

The standard LGR rack includes the features listed on the opposite page. Add "LRD" to model number if you want to omit the rear door. A front door or side panels are to be ordered separately.

Model No.*	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Options — Order Separately					
						Extra Pair Rack Rails	Solid Front Door	Fully-Vented Front Door	Plexiglass Front Door	Side Panels	Power Strip in. †
LGR-4022	40	22 (559)	19.34 (491)	76.18 (1935)	1014	RRD-40	LFD-40	LFD-40FV	LFD-40P	LGR-4022-SP	70.00
LGR-4422	44	22 (559)	19.34 (491)	83.13 (2112)	1014	RRD-44	LFD-44	LFD-44FV	LFD-44P	LGR-4422-SP	77.00
LGR-2427	24	27 (686)	24.34 (618)	48.13 (1223)	1013	RRD-24	LFD-24	LFD-24FV	LFD-24P	LGR-2427-SP	42.00
LGR-3527	35	27 (686)	24.34 (618)	67.38 (1711)	1013	RRD-35	LFD-35	LFD-35FV	LFD-35P	LGR-3527-SP	61.25
LGR-4027	40	27 (686)	24.34 (618)	76.18 (1935)	1013	RRD-40	LFD-40	LFD-40FV	LFD-40P	LGR-4027-SP	70.00
LGR-4427	44	27 (686)	24.34 (618)	83.13 (2112)	1013	RRD-44	LFD-44	LFD-44FV	LFD-44P	LGR-4427-SP	77.00
LGR-3532	35	32 (813)	29.00 (737)	67.38 (1711)	1012	RRD-35	LFD-35	LFD-35FV	LFD-35P	LGR-3532-SP	61.25
LGR-4032	40	32 (813)	29.00 (737)	76.18 (1935)	1012	RRD-40	LFD-40	LFD-40FV	LFD-40P	LGR-4032-SP	70.00
LGR-4432	44	32 (813)	29.00 (737)	83.13 (2112)	1012	RRD-44	LFD-44	LFD-44FV	LFD-44P	LGR-4432-SP	77.00
LGR-4036	40	36 (914)	33.34 (847)	76.18 (1935)	1011	RRD-40	LFD-40	LFD-40FV	LFD-40P	LGR-4036-SP	70.00
LGR-4436	44	36 (914)	33.34 (847)	83.13 (2112)	1011	RRD-44	LFD-44	LFD-44FV	LFD-44P	LGR-4436-SP	77.00
LGR-4042	40	42 (1067)	39.00 (991)	76.18 (1935)	1123	RRD-40	LFD-40	LFD-40FV	LFD-40P	LGR-4042-SP	70.00
LGR-4442	44	42 (1067)	39.00 (991)	83.13 (2112)	1123	RRD-44	LFD-44	LFD-44FV	LFD-44P	LGR-4442-SP	77.00

*To order a rack without the rear door, add "LRD" to end of model number (i.e. LGR-3522-LRD).
† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LGR---BAV rack with accessory bundle

The LGR---BAV series includes a (44U) LGR rack shipped with the bundle of accessories noted here, making it easy to order most of the accessories you need under a single part number. Bundled accessories are not installed but shipped in separate packaging along with the rack. The quantities of accessories vary with rack height.

BUNDLE INCLUDES:

- Solid front door with key lock.
- Removable side panels (these can be omitted from the bundle — see model numbers).
- Extra pair of rails tapped 10-32
- 7U panel with large turbo fan
- Thermostat to control fan operation

- Horizontal and vertical cable managers.
- Corded power strip with surge protection has 16 (15A) and 8 (20A) outlets
- Leg levelers
- Velcro cable wraps
- Extra rack screws

Model No.*	Rack Units	Overall D in. (mm)	Total Rails	Front Door	Side Panels	Fan Panel	Thermostat	Power Strip	Cable Managers	Leg Levelers	Cable Wraps	Spec No.
LGR-4427-BAV	44	27 (686)	2-pr	solid	1-pr	1	1	1	7	4	1 pk	1162
LGR-4427-BAV-LSP	44	27 (686)	2-pr	solid	---	1	1	1	7	4	1 pk	1162
LGR-4432-BAV	44	32 (813)	2-pr	solid	1-pr	1	1	1	7	4	1 pk	1162
LGR-4432-BAV-LSP	44	32 (813)	2-pr	solid	---	1	1	1	7	4	1 pk	1162

*Bundled accessories are packaged individually and are not installed in rack.

LPPR portable presentation rack

The LPPR is a fully-welded rack pre-configured as a quality system for boardrooms and educational facilities. The 16-ga. steel rack with 14-ga. steel bottom is reinforced at all loadbearing junctions and has a skirted mobile base for portability. It features beveled corners and a black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: with laminate top and mobile base 24.69-in. [627mm]; rack width 23.06-in. [586]; rail-mounting width 19-in. [483mm].

Sides: welded 16-ga. steel panels with vents.

Front: surface-mount smoked plexiglass front door with key lock extends 1-in. from frame. 180° swing. Vents above and below door.

Rear: vented recessed rear door with key lock. Knockout panels above and below door are removable and have 0.5-in. knockouts for BNC wireless antennae, compound knockouts for 0.5 to.75 in. or 1 to 1.5 in. conduit. Blank project area for custom mounts.

Top: 1-in. high particle board with Graphite Grey laminate finish extends approx. 1-in. on all sides. Rounded corners with rubber edge molding.

Base: inner platform with 3-in. casters raises rack 1.25-in. Platform is flush to bottom rack space to support heavy equipment. Center opening for wire management.

Rails: 2-pair adjustable mounting rails tapped 10-32. Rails have a printed scale to facilitate equipment installation. Generous space for managing wire between front rails and front-to-rear supports.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Load capacity with base to 1400 lbs. [635kg].

RACK OPTIONS:

• 19-in. E.I.A.: panels, drawers and other options can be found in the accessories section.

The mobile platform is hidden by a skirted base.

Model No.	Rack Units	Rack D in. (mm)	Overall D* in. (mm)	Rack H in. (mm)	Overall H* in. (mm)	Rack W in. (mm)	Overall W * in. (mm)	Spec No.
LPPR-2432	24	32.00 (813)	34.06 (865)	48.13 (1223)	50.23 (1276)	23.06 (586)	24.69 (627)	1032

Overall depth, width and height includes mobile platform base and laminate top.

LPR portable rack

The LPR portable rack is ideally suited for offices, hotels, schools and similar venues that require mobile security for electronic equipment. It has fully-welded 16-ga. steel construction and is reinforced at loadbearing junctions. Includes PilotPoint screws with captive washers, beveled corners and black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall width 23.06-in. [586mm] or 24.69-in. [627mm] with laminate top; rail mounting 19-in. [483mm].

Sides: welded 16-ga. steel with vents. Recessed handles have rubber grip.

Front: solid steel, fully-vented, or plexiglass door with 180° swing extends 1-in. from rack and includes key lock for security. Door mounts left or right without drilling and is field changeable. Vents above and below door.

Rear: vented recessed rear door with key lock. Knockout panels above and below door are removable and have 0.5-in. knockouts for BNC wireless antennae, compound knockouts for 0.5 to.75 in. or 1 to 1.5 in. conduit. Blank project area for custom mounts.

Top: welded 16-ga. steel top. Models with plexiglass door also include the Graphite Grey laminate top with rubber edge molding that's de-signed to slightly overhang the steel top. The laminate top is to be field-installed using indents in top of rack.

Bottom: welded 14-ga. steel. Heavy duty 4-in. swivel casters (2 locking) are to be field-installed.

Rails: 1-pair adjustable mounting rails tapped 10-32. Rails have a printed scale to facilitate equipment installation. Generous space for managing wire between front rails and front-to-rear supports.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. UL Listed to Std. 1678 in U.S. and Canada. Load capacity 900 lbs. [408kg].

RACK OPTIONS:

- RRD series: rear rails.
- Laminate top: 1-in. high Graphite Grey laminate top with rubber edge molding extends slightly beyond steel top on all sides. Top is included with racks that have a plexiglass front door (model numbers with PGT suffix in chart below). It can be ordered separately for other models.
- 19-in. E.I.A.: panels, drawers and other options can be found in the accessories section.

The LPR includes a solid, fully-vented or smoked plexiglass front door with key lock for security.

Model No.	Front Door	Rear Door	Laminate Top	Rack Units	Rack D (without door)* in. (mm)	Usable D in. (mm)	Overall H** in. (mm)	Spec No.	Options — Order Separately Extra Pair Rack Rails	Laminate [T] Top
LPR-1422	solid	vented	---	14	22 (559)	19.34 (491)	35.75 (908)	1019	RRD-14	LGT-22
LPR-1422FV	fully-vented	vented	---	14	22 (559)	19.34 (491)	35.75 (908)	1019	RRD-14	LGT-22
LPR-1422PGT	plexiglass	vented	included	14	22 (559)	19.34 (491)	35.75 (908)	1019	RRD-14	---
LPR-2122	solid	vented	---	21	22 (559)	19.34 (491)	48.00 (1219)	1019	RRD-21	LGT-22
LPR-2122FV	fully-vented	vented	---	21	22 (559)	19.34 (491)	48.00 (1219)	1019	RRD-21	LGT-22
LPR-2122PGT	plexiglass	vented	included	21	22 (559)	19.34 (491)	48.00 (1219)	1019	RRD-21	---
LPR-1427	solid	vented	---	14	27 (686)	24.34 (618)	35.75 (908)	1020	RRD-14	LGT-27
LPR-1427FV	fully-vented	vented	---	14	27 (686)	24.34 (618)	35.75 (908)	1020	RRD-14	LGT-27
LPR-1427PGT	plexiglass	vented	included	14	27 (686)	24.34 (618)	35.75 (908)	1020	RRD-14	---
LPR-2127	solid	vented	---	21	27 (686)	24.34 (618)	48.00 (1219)	1020	RRD-21	LGT-27
LPR-2127FV	fully-vented	vented	---	21	27 (686)	24.34 (618)	48.00 (1219)	1020	RRD-21	LGT-27
LPR-2127PGT	plexiglass	vented	included	21	27 (686)	24.34 (618)	48.00 (1219)	1020	RRD-21	---
LPR-2427	solid	vented	---	24	27 (686)	24.34 (618)	53.25 (1353)	1020	RRD-24	LGT-27
LPR-2427FV	fully-vented	vented	---	24	27 (686)	24.34 (618)	53.25 (1353)	1020	RRD-24	LGT-27
LPR-2427PGT	plexiglass	vented	included	24	27 (686)	24.34 (618)	53.25 (1353)	1020	RRD-24	---

* Add 1-in. for depth with front door or 1.25-in. for laminate top.
** Overall height includes 5.13-in. (130mm) for casters.
[T] Laminate top is included with models that have the plexiglass front door. Other racks can order it separately, if desired.

LPSR portable studio rack (sloped front)

STANDARD FEATURES:

Sides: welded 16-ga. steel with vents and integral handles.

Front: stowaway door with key lock opens from top and slides into base. Cutouts with cover plates for optional Decora switches allow easy front access.

Rear: rear access cover opens from top and includes lock that's keyed differently than front door. Two cable entry ports near bottom.

Top: steel top. Optional 1-in. high particle board with Graphite Grey laminate finish overhangs rack (.375-in. on each side, .5-in. front, 1-in. rear).

Bottom: 4 swivel casters.

Rails: 1-pair fixed-position front rails tapped 10-32 have a printed scale to aid equipment installation.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Load capacity with base to 500 lbs. [226kg].

The LPSR measures less than 27-in. high (without laminate top) to fit under counters, providing convenient rollout access to electronics. The ergonomic design has 12U on 15° slope for comfortable viewing of equipment while seated. Fully-welded 16-ga. steel construction is reinforced at all loadbearing junctions and has a skirted mobile base for portability. It features beveled corners and a black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

The Graphite Grey laminate top is only included with model no. LPSR-1226GT.

Rack Model No.	Rack Units	Overall D at Top in. (mm)	Overall D at Base in. (mm)	Overall H * in. (mm)	Overall W in. (mm)	Graphite Grey Laminate Top	Spec No.
LPSR-1226	12	18.56 (471)	25.52 (648)	26.88 (683)	23.00	---	1181
LPSR-1226GT	12	20.25 (514)	25.52 (648)	27.88 (708) **	23.75 **	yes	1181

*Height includes .9" for casters and 1" for laminate top (if included).   **Graphite Grey laminate top (23.75"W x 20.25"D x 1"H) overhangs rack.

LDSR desktop rack (sloped front)

The LDSR features a 12° slope so equipment can be viewed from a seated position. This rack will not accept a front door so equipment with protruding knobs or patch panel connections is not a problem. 16-ga. steel with black powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 21.10-in. [536mm]; rail-mounting 19-in. [483mm].

Construction: welded sides with open front, rear and bottom allows access to controls, cables, etc.

Rails: 1-pr. fixed-position front rails tapped 10-32 are recessed 0.56-in. from frame for approx. 0.75-in. equipment clearance.

Feet: 0.5-in. high rubber feet protect desktop from scratches.

Compliance: E.I.A. and T.I.A. compliant.

RACK OPTIONS: the LDSR will not accept a front door so protruding knobs are not a problem.

- RRTF series: fixed-position thin-flange steel rails for rear.
- LDTR-RAC series: rear access cover. *Note: cannot be used in conjunction with (optional) rear rails.*
- PRK: protective runner kit is a set of plastic glides to help protect surfaces for slide-in applications.

Rubber feet protect desk surface.

Ships via UPS

Rack Model No.	Rack Units	Overall D (at base) in. (mm)	Rack H * in. (mm)	Overall W in. (mm)	Spec No.	Options — Order Separately Extra Pair Rails	Rear Access Cover	Protective Runner Kit
LDSR-718	7	18 (457)	14.21 (361)	21.10 (536)	1120	RRTF-7	LDTR-RAC7	PRK
LDSR-1018	10	18 (457)	19.35 (491)	21.10 (536)	1120	RRTF-10	LDTR-RAC10	PRK
LDSR-1218	12	18 (457)	22.77 (578)	21.10 (536)	1120	RRTF-12	LDTR-RAC12	PRK

*Overall height does not include rubber feet (add 0.5-in.)

LDTR desk rack

The economical LDTR provides access to equipment stored under counters or desks and is ideal for small offices or stores. Includes 2-pr. fixed-position mounting rails. Black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Top/Bottom: welded 16-ga. steel with knockouts for cable mgmt.

Sides: welded 16-ga. sides with vents.

Rails: 2-pr. fixed-position mounting rails tapped 10-32. Front rails are recessed 0.83-in. to provide 1.82-in. equipment clearance even when optional front door is added.

Feet: 0.5-in. high rubber feet protect desktop from scratches.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Loads to 150 lbs. [68kg].

RACK OPTIONS:

- LFD series: front door available as solid, fully-vented or plexiglass.
- LDTR-RAC series: rear access cover opens from top.
- RRTBF: bracket converts fixed-rails to adjustable style in case front or rear rails need to be moved from fixed-position.
- C2S: set of 4 swivel casters.
- PRK: protective runner kit is a set of plastic glides to help protect surfaces for slide-in applications.

The LDTR includes four rubber feet to protect surfaces.

Ships via

Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Options — Order Separately				
						Rear Access Cover	Rail Conversion Bracket	Protective Runner Kit	4 Swivel Casters	Power Strip in. [†]
LDTR-718	7	18.18 (462)	17.20 (437)	17.13 (435)	1182	LDTR-RAC7V	RRTBF	PRK	C2S	12.25
LDTR-1018	10	18.18 (462)	17.20 (437)	22.38 (568)	1182	LDTR-RAC10V	RRTBF	PRK	C2S	17.50
LDTR-1218	12	18.18 (462)	17.20 (437)	25.88 (657)	1182	LDTR-RAC12V	RRTBF	PRK	C2S	21.00
LDTR-1418	14	18.18 (462)	17.20 (437)	29.38 (746)	1182	LDTR-RAC14V	RRTBF	PRK	C2S	24.50
LDTR-1618	16	18.18 (462)	17.20 (437)	32.88 (835)	1182	LDTR-RAC16V	RRTBF	PRK	C2S	28.00

† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LCR welded credenza rack
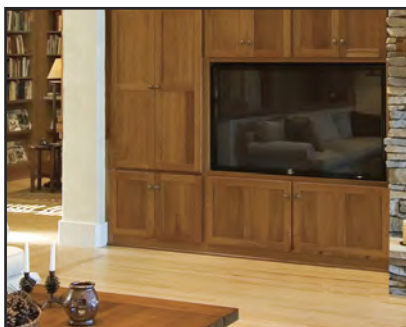
The rugged LCR-1216 has a narrow width and shallow depth to fit into credenza style cabinetry. This all-welded open frame steel rack with black semi-gloss powder epoxy finish ships fully assembled and ready-to-install. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 19.25-in. (489mm); rail-mounting 19-in. (483mm).

Top/Bottom: 14-ga. steel with 12-in. x 9-in. (305 x 229mm) center opening, 0.25-in. dia. hole in each corner and anchoring slots.

Sides: open sides for easy cable and wire management.

Rails: 11-ga. steel tapped 10-32.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Loads to 250 lbs. [113kg].

RACK OPTIONS:

- 19-in. E.I.A.: panels, drawers and other options can be found in the accessories section.

The LCR welded, open-frame provides rugged support for electronics in custom millwork.

Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Option — Order Separately Power Strip in. [†]
LCR-1216	12	16 (406)	16 (406)	23 (584)	1008	21.00

† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LPOR pull-out rack

The LPOR open design rack provides pull-out access to equipment stored in built-in applications like cabinetry or credenzas. It features heavy-duty slides for smooth operation. A front security panel keeps rack secure when not being serviced. Black powder epoxy finish. Made in the U.S.A. with certified U.S. steel. Ships unassembled in two cartons (one for rails, one for lower/upper base).

STANDARD FEATURES:

Width: overall 19.06-in. (484mm); rail-mounting 19-in. (483mm).

Construction: 14-ga. steel base installs with screws and can be mounted flush or recessed up to 2-inches in a boxed wall or cabinetry to allow room for equipment protrusions. Side stiffeners provide torsional rigidity.

Front Security Panel: When equipment is in place and wired the assembly is secured in a fixed position with two screws through a perforated front security panel, which can be removed to pull the rack out from the wall or millwork to the service position.

Rails: four 11-ga. steel corner-post mounting rails tapped 10-32. Height of front rails varies with each rack model. The rear rails are 7U on all racks.

Cable Management: three cable lacing bars.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Load capacity varies by model. See chart below.

Pull-out racks are great for home theatres, especially when equipent will be mounted in cabinetry.

RACK OPTIONS:

- 19-in. E.I.A.: panels, drawers and other options can be found in the accessories section.

Model No.	Rack Units	Overall D in. (mm)	Usable in. (mm)	Overall H in. (mm)	Overall W in. (mm)	Cable Lacing Bars	No. of Slides	Load Capacity lbs. (kg)	Spec No.
LPOR2-719	7	19.22 (488)	18.56 (471)	14.12 (359)	19.06 (484)	3	2	125 (57)	1150
LPOR2-1019	10	19.22 (488)	18.56 (471)	19.37 (492)	19.06 (484)	3	2	125 (57)	1150
LPOR2-1219	12	19.22 (488)	18.56 (471)	22.87 (581)	19.06 (484)	3	2	125 (57)	1150
LPOR2-1419	14	19.22 (488)	18.56 (471)	26.37 (670)	19.06 (484)	3	2	125 (57)	1150
LPOR2-1619	16	19.22 (488)	18.56 (471)	29.87 (759)	19.06 (484)	3	2	125 (57)	1150
LPOR2-2119	21	19.22 (488)	18.56 (471)	38.62 (981)	19.06 (484)	3	2	125 (57)	1150
LPOR4-719	7	19.22 (488)	18.56 (471)	14.12 (359)	19.06 (484)	3	4	250 (113)	1150
LPOR4-1019	10	19.22 (488)	18.56 (471)	19.37 (492)	19.06 (484)	3	4	250 (113)	1150
LPOR4-1219	12	19.22 (488)	18.56 (471)	22.87 (581)	19.06 (484)	3	4	250 (113)	1150
LPOR4-1419	14	19.22 (488)	18.56 (471)	26.37 (670)	19.06 (484)	3	4	250 (113)	1150
LPOR4-1619	16	19.22 (488)	18.56 (471)	29.87 (759)	19.06 (484)	3	4	250 (113)	1150
LPOR4-2119	21	19.22 (488)	18.56 (471)	38.62 (981)	19.06 (484)	3	4	250 (113)	1150

LPTR pull & turn rack

The LPTR provides even greater access to equipment housed in millwork. Turntable base with heavy-duty slides allow easy pull and turn access. Rack locks at 60° or 90° to service equipment. Black powder epoxy finish. Made in the U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Packaging: ships unassembled in two cartons for efficient installation —lower base with turntable and 2 rails can be sent to the job site while upper base, slides, and 4 rails is sent to the shop.

Width: overall 19.13-in. (486mm); rail-mounting 19-in. (483mm).

Construction: 14-ga. steel base with turntable 2 or 4 slides includes side stiffeners for support. Bottom installs with screws and can be mounted flush or recessed up to 2-in. Removable base secures to bottom with screws (no wing nuts).

Front Security Panel: when equipment is wired the assembly is secured with screws through a perforated front security panel.

Rails: six 11-ga. steel corner-post mounting rails tapped 10-32.

Cable Management: six cable lacing bars.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Load capacity varies by model. See chart below.

RACK OPTIONS:

• LPTR-TC: steel top adds extra protection for mounted equipment while serving as a convenient storage shelf.

• 19-in. E.I.A.: panels and other options can be found in the accessories section.

The LPTR slides out and pivots to access equipment, wires and cables.

Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Overall W in. (mm)	Cable Lacing Bars	No. of Slides	Load Capacity lbs. (kg)	Spec No.
LPTR2-1019	10	19.22 (488)	19.00 (483)	20.08 (510)	19.13 (486)	6	2	125 (57)	1035
LPTR2-1219	12	19.22 (488)	19.00 (483)	23.58 (599)	19.13 (486)	6	2	125 (57)	1035
LPTR2-1419	14	19.22 (488)	19.00 (483)	27.08 (688)	19.13 (486)	6	2	125 (57)	1035
LPTR2-1619	16	19.22 (488)	19.00 (483)	30.58 (777)	19.13 (486)	6	2	125 (57)	1035
LPTR2-2119	21	19.22 (488)	19.00 (483)	39.33 (999)	19.13 (486)	6	2	125 (57)	1035
LPTR2-2419	24	19.22 (488)	19.00 (483)	44.58 (1132)	19.13 (486)	6	2	125 (57)	1035
LPTR4-1019	10	19.22 (488)	19.00 (483)	20.08 (510)	19.13 (486)	6	4	250 (113)	1036
LPTR4-1219	12	19.22 (488)	19.00 (483)	23.58 (599)	19.13 (486)	6	4	250 (113)	1036
LPTR4-1419	14	19.22 (488)	19.00 (483)	27.08 (688)	19.13 (486)	6	4	250 (113)	1036
LPTR4-1619	16	19.22 (488)	19.00 (483)	30.58 (777)	19.13 (486)	6	4	250 (113)	1036
LPTR4-2119	21	19.22 (488)	19.00 (483)	39.33 (999)	19.13 (486)	6	4	250 (113)	1036
LPTR4-2419	24	19.22 (488)	19.00 (483)	44.58 (1132)	19.13 (486)	6	4	250 (113)	1036
LPTR4-2819	28	19.22 (488)	19.00 (483)	51.58 (1297)	19.13 (486)	6	4	250 (113)	1036
LPTR4-3019	30	19.22 (488)	19.00 (483)	55.08 (1399)	19.13 (486)	6	4	250 (113)	1036
LPTR4-1023	10	23.23 (590)	23.00 (584)	20.08 (510)	19.13 (486)	6	4	200 (91)	1037
LPTR4-1223	12	23.23 (590)	23.00 (584)	23.58 (599)	19.13 (486)	6	4	200 (91)	1037
LPTR4-1623	16	23.23 (590)	23.00 (584)	30.58 (777)	19.13 (486)	6	4	200 (91)	1037
LPTR4-2123	21	23.23 (590)	23.00 (584)	39.33 (999)	19.13 (486)	6	4	200 (91)	1037
LPTR4-2423	24	23.23 (590)	23.00 (584)	44.58 (1132)	19.13 (486)	6	4	200 (91)	1037
LPTR4-2823	28	23.23 (590)	23.00 (584)	51.58 (1297)	19.13 (486)	6	4	200 (91)	1037
LPTR4-3023	30	23.23 (590)	23.00 (584)	55.08 (1399)	19.13 (486)	6	4	200 (91)	1037

LPTR rack — distributor stocking option

For efficient inventory management, distributors can purchase the base separately from rails. Combine one base with one rail set to build one rack.

Model No.	Description	Rack Units	Overall D in. (mm)	No. of Slides	Carton Pack
LPTR-19B2	LPTR base	---	19	2	1 set
LPTR-19B4	LPTR base	---	19	4	1 set
LPTR-23B4	LPTR base	---	23	4	1 set
LPTR-RRTC10	LPTR rails & hardware	10	---	---	1 set
LPTR-RRTC12	LPTR rails & hardware	12	---	---	1 set
LPTR-RRTC14	LPTR rails & hardware	14	---	---	1 set
LPTR-RRTC16	LPTR rails & hardware	16	---	---	1 set
LPTR-RRTC21	LPTR rails & hardware	21	---	---	1 set
LPTR-RRTC24	LPTR rails & hardware	24	---	---	1 set
LPTR-RRTC28	LPTR rails & hardware	28	---	---	1 set
LPTR-RRTC30	LPTR rails & hardware	30	---	---	1 set

Slim frame racks ship unassembled. A variety of options are available to make the rack suitable for multiple venues.

LXR slim rack

When space is an issue the solution is the slim LXR open frame rack, which is only 19.21-inches [488mm] wide. An assortment of options makes it adaptable to a variety of venues. Smooth black powder epoxy finish. Includes hardware. Ships unassembled.

STANDARD FEATURES:

Base & Top: 14-ga. steel with vents.

Rails: four corner-post mounting rails are 11-ga. steel tapped 10-32. Printed scale in rack unit increments facilitates equipment set-up. Printed cut marks serve as a guide should a custom height be needed.

Support Brackets: side brackets for torsional rigidity are included in units 30 rack units or taller.

Cable Management: Knockouts on sides and rear plus side obrounds.

Thermal Management: Vents in front and top.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Loads to 400 lbs. (181 kg)

RACK OPTIONS: see spec sheet for complete information.

- LXR-RRT series: 11-ga. thin-flange rails "float" within rack space (14U+).
- LXR-FD series: solid or smoked plexiglass front door with key lock sits 1.38" from frame.
- LXR-SP series: side panels extend 1-in. beyond rack increasing overall depth. Recessed handles.
- LXR-RAC series: rear access cover with key lock and vents.
- LXR-MB series: mobile base with swivel casters increases height 4.25-in.
- LXR-C3S series: four standard or fine-floor swivel casters.
- LXR-44 series: 3-in. wide raceway for 44U rack.
- PRK: set of four plastic glides help protect surface when rack is mounted incredenza.
- 19-in. E.I.A.: panels, etc. can be found in the accessories section.

Models that are 30 rack units or taller include 2 side support brackets for torsional rigidity.

Model No.	Rack Units	Overall D in. (mm)	Overall H in. (mm)	Spec No.	Extra Pair Rack Rails	Solid Front Door	Plexiglass Front Door	Side Panels	Rear Access Cover	Mobile Base	Swivel Casters
LXR-821	8	21.00 (533)	17.84 (453)	1113	---	LXR-FD8	LXR-FD8P	LXR8-21SP	LXR-RAC8V	LXR-MB21	LXR-C3S
LXR-1421	14	21.00 (533)	28.34 (720)	1113	LXR-RRT10	LXR-FD14	LXR-FD14P	LXR14-21SP	LXR-RAC14V	LXR-MB21	LXR-C3S
LXR-2221	22	21.00 (533)	42.34 (1075)	1113	LXR-RRT16	LXR-FD22	LXR-FD22P	LXR22-21SP	LXR-RAC22V	LXR-MB21	LXR-C3S
LXR-3021	30	21.00 (533)	56.34 (1431)	1113	LXR-RRT24	LXR-FD30	LXR-FD30P	LXR30-21SP	LXR-RAC30V	LXR-MB21	LXR-C3S
LXR-3821	38	21.00 (533)	70.34 (1787)	1113	LXR-RRT32	LXR-FD38	LXR-FD38P	LXR38-21SP	LXR-RAC38V	LXR-MB21	LXR-C3S
LXR-4421	44	21.00 (533)	80.84 (2053)	1113	LXR-RRT40	LXR-FD44	LXR-FD44P	LXR44-21SP	LXR-RAC44V	LXR-MB21	LXR-C3S
LXR-826	8	26.25 (667)	17.84 (453)	1114	---	LXR-FD8	LXR-FD8P	LXR8-26SP	LXR-RAC8V	LXR-MB26	LXR-C3S
LXR-1426	14	26.25 (667)	28.34 (720)	1114	LXR-RRT10	LXR-FD14	LXR-FD14P	LXR14-26SP	LXR-RAC14V	LXR-MB26	LXR-C3S
LXR-2226	22	26.25 (667)	42.34 (1075)	1114	LXR-RRT16	LXR-FD22	LXR-FD22P	LXR22-26SP	LXR-RAC22V	LXR-MB26	LXR-C3S
LXR-3026	30	26.25 (667)	56.34 (1431)	1114	LXR-RRT24	LXR-FD30	LXR-FD30P	LXR30-26SP	LXR-RAC30V	LXR-MB26	LXR-C3S
LXR-3826	38	26.25 (667)	70.34 (1787)	1114	LXR-RRT32	LXR-FD38	LXR-FD38P	LXR38-26SP	LXR-RAC38V	LXR-MB26	LXR-C3S
LXR-4426	44	26.25 (667)	80.84 (2053)	1114	LXR-RRT40	LXR-FD44	LXR-FD44P	LXR44-26SP	LXR-RAC44V	LXR-MB26	LXR-C3S

Options — Order Separately

LXR rack — distributor stocking option

For efficient inventory management, distributors can purchase the LXR top/base separately from rail sets. Combine one top/base set with one rail set (any height) to build one rack.

Model No.	Description	Rack Units	Overall D in. (mm)	Carton Pack
LXR-21TB	LXR top & base set	---	21.00 (533)	1 set
LXR-26TB	LXR top & base set	---	26.25 (667)	1 set
LXR-RRTC8	LXR rail set with hardware	8	---	1 set
LXR-RRTC14	LXR rail set with hardware	14	---	1 set
LXR-RRTC22	LXR rail set with hardware	22	---	1 set
LXR-RRTC30	LXR rail set with hardware	30	---	1 set
LXR-RRTC38	LXR rail set with hardware	38	---	1 set
LXR-RRTC44	LXR rail set with hardware	44	---	1 set

LXR---IAV rack with installed accessories

Save time and labor by ordering the LXR with the IAV option. It ships pre-assembled and loaded with a set of accessories that are commonly used in A/V applications. The complete unit is shipped in a ready-to-use format. Rack and accessories are made in the U.S.A. except as noted. See spec sheet for more information on specific models and accessories.

INSTALLED ACCESSORIES: see spec sheets for complete information.

Utility Shelf: rugged two-part, 16-ga. steel shelf (15-in. x 19-in. x 2U) with front/rear flanges, vents on bottom. Load rating 50 lbs. [22kg].

Vent Panel: 20 ga. steel 2U panel with fine perforation pattern and flange.

Cable Management: vertical-mount 16-ga. steel bar (3.25-in. wide) has plenty of slots for lacing. Height varies with rack model.

Swivel Casters: 3-in. casters (2 locking) have a special formula rubber tread that won't mar fine floors like wood, marble or tile. Polyolefin core helps absorb shocks.

AC Power Strip: 15A power strip with attached cord and NEMA 5-15P plug, UL1449-3 Listed surge protection with LED indicator, and circuit breaker. Length varies with rack model. Imported.

LXR-3021-IAV

Model No.*	Rack Units	Overall D in. (mm)	Overall H in. (mm)	Rack Side Brackets	Utility Shelves	Vent Panels	15A Power Strip	Cable Mgmt Bar	Fine-floor Casters	Spec. No.
LXR-1421-IAV	14	21.00 (533)	32.59 (828)	---	3	2	1 (6-outlet)	1	4	1152
LXR-3021-IAV	30	21.00 (533)	60.59 (1539)	2	5	5	1 (12-outlet)	1	4	1152
LXR-3821-IAV	38	21.00 (533)	74.59 (1895)	2	6	6	1 (12-outlet)	1	4	1152

*Accessories are installed in rack.

LVR slim frame, adj. depth VARI-RACK™

The LVR (VARI-RACK™) has a slim frame and a depth that isn't finalized until assembly, making it ideal for jobs where the space allocation may change. It can serve as a stand-alone floor rack or in built-in applications. Two depth ranges available — 14–21 in. or 21–28 in.* Black powder epoxy finish. Made in the U.S.A. with certified U.S. steel. Ships unassembled. Includes assembly and mounting hardware.

STANDARD FEATURES:

Width: overall 19.21-in. [488mm]; rail-mounting 19-in. [483mm].

Base & Top: 14-ga. steel ships assembled except for depth, which can be pinned in rack unit increments or set with scale marked in inches and millimeters.

Rails: four 11-ga. steel corner-post mounting rails tapped 10-32. Printed scale aids set-up. Cut-marks guide field trims, if needed.

Support Brackets: side brackets for torsional rigidity are included in units 30 rack units or taller.

Thermal Management: integral vents for passive heat dissipation. When set to maximum-depth, top will accept optional 19-in. fan panel.

Cable Management: combination knockout panel in top rear.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Loads to 400 lbs. (181 kg).

RACK OPTIONS:

- See the LXR series for options available for slim frame racks. Note that the LVR would have to be set to a specific depth to accept some options like side panels or a mobile base in which case you may want to order the LXR instead.

- 19-in. E.I.A.: panels, shelves, etc. can be found in the accessories section.

Side brackets are included with racks 30U and taller.

Select the depth during assembly.

Model No.	Rack Units	Overall D * in.	Overall H in.	Side Brackets	Spec No.	Extra Rails (pair)	Solid Front Door	Plexiglass Front Door	Rear Access Cover	Swivel Casters	Lock Swivel Casters	Power Strip in. †
							Options — Order Separately					
LVR8-1421	8	14-21	17.84	---	1016	---	LXR-FD8	LXR-FD8P	LXR-RAC8V	LXR-C3S	LXR-C3SL	
LVR14-1421	14	14-21	28.34	---	1016	LXR-RRT10	LXR-FD14	LXR-FD14P	LXR-RAC14V	LXR-C3S	LXR-C3SL	
LVR22-1421	22	14-21	42.34	---	1016	LXR-RRT16	LXR-FD22	LXR-FD22P	LXR-RAC22V	LXR-C3S	LXR-C3SL	
LVR30-1421	30	17.5-21	56.34	2	1016	LXR-RRT24	LXR-FD30	LXR-FD30P	LXR-RAC30V	LXR-C3S	LXR-C3SL	
LVR38-1421	38	17.5-21	70.34	2	1016	LXR-RRT32	LXR-FD38	LXR-FD38P	LXR-RAC38V	LXR-C3S	LXR-C3SL	
LVR44-1421	44	17.5-21	80.84	2	1016	LXR-RRT40	LXR-FD44	LXR-FD44P	LXR-RAC44V	LXR-C3S	LXR-C3SL	
LVR8-2128	8	21-26	17.84	---	1114	---	LXR-FD8	LXR-FD8P	LXR-RAC8V	LXR-C3S	LXR-C3SL	
LVR14-2128	14	21-26	28.34	---	1114	LXR-RRT10	LXR-FD14	LXR-FD14P	LXR-RAC14V	LXR-C3S	LXR-C3SL	
LVR22-2128	22	21-26	42.34	---	1114	LXR-RRT16	LXR-FD22	LXR-FD22P	LXR-RAC22V	LXR-C3S	LXR-C3SL	
LVR30-2128	30	21-26	56.34	2	1114	LXR-RRT24	LXR-FD30	LXR-FD30P	LXR-RAC30V	LXR-C3S	LXR-C3SL	
LVR38-2128	38	21-26	70.34	2	1114	LXR-RRT32	LXR-FD38	LXR-FD38P	LXR-RAC38V	LXR-C3S	LXR-C3SL	
LVR44-2128	44	21-26	80.84	2	1114	LXR-RRT40	LXR-FD44	LXR-FD44P	LXR-RAC44V	LXR-C3S	LXR-C3SL	

Racks with depth range of 14-21" must be set to 21" depth to use optional side panels or mobile base. Note that taller racks in this series (30U+) have a depth range from 17.5" to 21". Racks with depth range of 21-28" must be set to 26.25" depth to use optional side panels or mobile base listed. See specs for information.

LVR rack — distributor stocking option

For efficient inventory management, distributors can purchase the LVR top/base separately from rails. Combine one top/base set with one rail set (any height) to build one rack.

Model No.	Description	Rack Units	Overall D in.	Carton Pack
LVR-1421TB	LVR top & base set	---	14-21 adj.*	1 set
LVR-2128TB	LVR top & base set	---	21-28 adj.	1 set
LVR-RRTC8	LVR rail set with hardware	8	---	1 set
LVR-RRTC14	LVR rail set with hardware	14	---	1 set
LVR-RRTC22	LVR rail set with hardware	22	---	1 set
LVR-RRTC30	LVR rail set with hardware	30	---	1 set
LVR-RRTC38	LVR rail set with hardware	38	---	1 set
LVR-RRTC44	LVR rail set with hardware	44	---	1 set

17.5-21" adjustable depth on racks that are 30U or taller.

WALL-MOUNT RACKS

LWER stationary wall rack

The stationary LWER with fixed-position front rails is a contemporary solution to house electronics in small system installations. This economical rack is suited for light to medium loads where access to the rear is not a priority. Includes Pilot-Point™ screws with captive washers. Black wrinkle powder epoxy finish. Made in the U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Construction: welded 16-ga. steel sides, top and bottom. Separate rear wall bracket has mounting slots and knockouts. Beveled front edges.

Rails: 1-pair fixed-position front mounting rails tapped 10-32 are set back 0.83-in.

Front Door: solid steel with key lock surface-mounts left or right.

Thermal Management: welded sides have vents.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Loads up to 150 lbs. [68 kg].

Cable Management: blank project panel on top, panel with combination knockouts on bottom.

RACK OPTIONS:

• RRTF series: thin-flange rails mount in fixed-position in rear of rack or they can be used in conjunction with the rail conversion bracket below for additional options. Includes mounting hardware. Sold in pairs.

• RRTBF: bracket enables front or optional rear rails to change from fixed-position to adjustable style.

• 19-in. E.I.A.: panels, drawers and other options can be found in the accessories section.

Front door is included.

Cabinet mounts to wall with bracket.
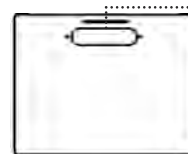
Top project panel
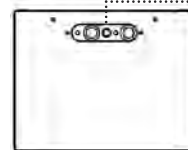
Bottom knockout panel

Model No.	Rack Units	Rack D * in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Options — Order Separately					
						Rail Conversion Bracket	Extra Pair Rack Rails	Solid Front Door	Fully-vented Front Door	Plexiglass Front Door	Power Strip in. †
LWER-718	7	18.18 (462)	17.20 (437)	16.63 (422)	1185	RRTBF	RRTF-7	LFD-7	LFD-7FV	LFD-7P	12.00
LWER-1018	10	18.18 (462)	17.20 (437)	21.88 (556)	1185	RRTBF	RRTF-10	LFD-10	LFD-10FV	LFD-10P	12.00

*Add 1-in. for surface-mount front door.
† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LWR heavy-duty swing-open wall rack

Small cafes or retail space may place a small wall-mount rack in an office, back room, or out-of-the-way corridor.

Side key locks (top & bottom)

Front door is optional.

The LWR is a heavy-duty, sectional wall-mount rack for A/V electronics used in venues like small cafes, offices or retail space. It features a steel cabinet that swings open greater than 90° from the backbox that is shipped in a different carton for efficiency on the job site (backbox can be field-installed while cabinet is loaded at the shop). Rugged 16-gauge steel construction with beveled corners has a black wrinkle powder epoxy finish. Includes Pilot-Point™ screws with captive washers. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Backbox: 4.69-in. deep backbox with 16-in. mounting centers has a 10-in. square opening to fit over electrical pull boxes. Embossed dimples and lacing points on back plane allow flush installation of board-mounted accessories. Two side locks are keyed differently than optional front door.

Cabinet: 14-in. or 18-in. deep cabinet mounts to backbox with spring-loaded L-pins that are self-seating

and positive-locking. Roller closure allows cabinet to stay closed without locking. L-pins with fully-gusseted corners and triple formed side-to-bottom/side-to-top wrap design achieves strength equivalent to 3/16-in. steel. Vents in front and sides. Integral top/bottom rails on E.I.A. spacing for mounting and lacing plus 0.5-in. knockouts on top/bottom for BNC wireles antennae.

Rails: 1-pair adjustable rails tapped 10-32 are recessed to allow space for equipment knobs. Integral rails on E.I.A. spacing at top/bottom.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. UL Listed to Std. 1678. Load capacity varies with model (125-300 lbs.).

Cable Management: two knockout panels on top, one knockout panel and one project panel on bottom.

RACK OPTIONS:

- LFD series: front door will surface-mount to left or right hinge. Solid, fully-vented, or plexiglass.
- RRD series: rear rails.
- 19-in. E.I.A.: panels, etc. can be found in accessories section.

Swing-open cabinet mounts to backbox with internal spring-loaded L-pins.
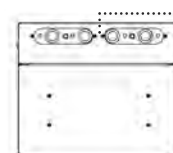
Top knockout panels
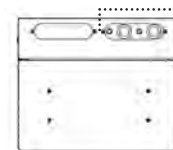
Bottom project and knockout panel

Model No.	Rack Units	Overall D in. (mm)	Usable D * in. (mm)	Overall H in. (mm)	Max. Load lbs.	Spec No.	Extra Pair Rack Rails	Solid Front Door	Fully-vented Front Door	Plexiglass Front Door	Power Strip in. †
LWR-719	7	19.05 (484)	16.00 (406)	18.38 (467)	125	1039	RRD-7	LFD-7	LFD-7FV	LFD-7P	10.00
LWR-1019	10	19.05 (484)	16.00 (406)	23.63 (600)	150	1039	RRD-10	LFD-10	LFD-10FV	LFD-10P	10.00
LWR-1219	12	19.05 (484)	16.00 (406)	27.13 (689)	150	1039	RRD-12	LFD-12	LFD-12FV	LFD-12P	20.00
LWR-1619	16	19.05 (484)	16.00 (406)	34.13 (867)	200	1039	RRD-16	LFD-16	LFD-16FV	LFD-16P	20.00
LWR-2119	21	19.05 (484)	16.00 (406)	42.88 (1089)	250	1039	RRD-21	LFD-21	LFD-21FV	LFD-21P	36.75
LWR-2419	24	19.05 (484)	16.00 (406)	48.13 (1223)	300	1039	RRD-24	LFD-24	LFD-24FV	LFD-24P	42.00
LWR-3519	35	19.05 (484)	16.00 (406)	67.38 (1711)	300	1039	RRD-35	LFD-35	LFD-35FV	LFD-35P	61.25
LWR-723	7	23.06 (584)	20.00 (508)	18.38 (467)	125	1041	RRD-7	LFD-7	LFD-7FV	LFD-7P	10.00
LWR-1023	10	23.06 (584)	20.00 (508)	23.63 (600)	150	1041	RRD-10	LFD-10	LFD-10FV	LFD-10P	10.00
LWR-1223	12	23.06 (584)	20.00 (508)	27.13 (689)	150	1041	RRD-12	LFD-12	LFD-12FV	LFD-12P	20.00
LWR-1623	16	23.06 (584)	20.00 (508)	34.13 (867)	200	1041	RRD-16	LFD-16	LFD-16FV	LFD-16P	20.00
LWR-2123	21	23.06 (584)	20.00 (508)	42.88 (1089)	250	1041	RRD-21	LFD-21	LFD-21FV	LFD-21P	36.75
LWR-2423	24	23.06 (584)	20.00 (508)	48.13 (1223)	300	1041	RRD-24	LFD-24	LFD-24FV	LFD-24P	42.00
LWR-3523	35	23.06 (584)	20.00 (508)	67.38 (1711)	300	1041	RRD-35	LFD-35	LFD-35FV	LFD-35P	61.25

Options — Order Separately

* Usable depth allows partial extension of equipment into backbox.
† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LWSR swing-open wall rack

The LWSR is an economical two-part, swing-open rack with fixed-position front mounting rails. The 16-gauge steel cabinet and back-box are shipped in a single carton. The cabinet attaches to the back-box with heavy-duty bolts, steel fasteners and securing nuts. Features beveled corners and black wrinkle powder epoxy finish. Includes Pilot-Point™ screws with captive washers. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Backbox: 3.65-in. deep with 16-in. mounting centers and 10-in. wide wiring pathway down center (top to bottom). Large rear opening to fit over electrical pull boxes. Two center locks are keyed differently than the optional front door.

Cabinet: 19.06-in deep cabinet mounts to backbox with right or left-hand swing, providing 90° access for servicing. See specs for clearance requirements. Welded sides are vented at top and bottom.

Rails: 1-pair fixed-position rails tapped 10-32 are recessed to allow space for equipment knobs.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Load capacity 150 lbs. [68kg].

Cable Management: one project panel on top, one knockout panel on bottom.

RACK OPTIONS:

• LFD series: solid, fully-vented or plexiglass surface-mount front door.

• RRTF: thin-flange rails mount in fixed-position in rear of cabinet or elsewhere if used in conjunction with rail conversion bracket below. Includes mounting hardware. Sold in pairs.

• RRTBF: bracket enables front or optional rear rails to change from fixed-position to adjustable. Includes hardware.

Front key locks (top & bottom)

Front door is optional.

Swing-open cabinet mounts to backbox with bolts, steel fasteners and securing nuts.

Top knockout panel

Bottom knockout panel

Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Options — Order Separately					
						Rail Conversion Bracket	Extra Pair Rack Rails	Solid Front Door	Fully-vented Front Door	Plexiglass Front Door	Power Strip in. [†]
LWSR-722	7	22.00 (559)	16.25 (412)	20.08 (510)	1186	RRTBF	RRTF-7	LFD-7	LFD-7FV	LFD-7P	10.00
LWSR-1022	10	22.00 (559)	16.25 (412)	25.33 (643)	1186	RRTBF	RRTF-10	LFD-10	LFD-10FV	LFD-10P	10.00
LWSR-1222	12	22.00 (559)	16.25 (412)	28.83 (732)	1186	RRTBF	RRTF-12	LFD-12	LFD-12FV	LFD-12P	20.00
LWSR-1622	16	22.00 (559)	16.25 (412)	35.83 (910)	1186	RRTBF	RRTF-16	LFD-16	LFD-16FV	LFD-16P	20.00

[†] Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LWBR swing-open wall rack with base

The LWBR combines solid support and convenient access with an efficient footprint. It features a backbox with a cabinet that pivots open on a support base. The 16-ga. steel cabinet can be changed from right to left-hand swing for side-by-side installations. Rack includes PilotPoint screws with captive washers, beveled corners and a black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Width: overall 23.06-in. [586mm]; rail mounting 19-in. [483mm].

Backbox: 4.69-in. deep backbox mounts on 16-in. centers and features a large cutout in the center to fit over wall protrusions..

Cabinet: opens with a steel loop-style grasp and pivots on stainless steel ball transfers up to 90° from backbox. Right-hinged swing can be changed to left using internal spring-loaded hinges. Front key lock secures cabinet while allowing racks to be positioned side-by-side. Slam-latch closure. Welded sides are vented at top and bottom. Front of cabinet has vents at top and bottom. Top opening with integral EIA rail accepts optional 19" fan panels (order separately) or 19" solid panels (included as shipping stiffeners).

Rails: 1-pair adjustable mounting rails can be repositioned anywhere along side supports. Printed scale aids equipment installation. Rails are recessed to allow clearance between equipment knobs and optional front door.

Support Base: provides additional 4U rack space for equipment, cables or storage and has two access panels (one on top, one in front). Recessed front panel.

Compliance/Load Capacity: E.I.A. and T.I.A. compliant. Stainless steel ball transfers allow cabinet to pivot smoothly under 500 lbs. [226kg] load.

Cable Management: removable knockout panel on top of backbox has 0.5-in. knockouts for wireless antenna and combination knockouts (0.5 to 0.75-in.; 1.0 to 1.5 in.) for conduit.

RACK OPTIONS:

• LWBR-BD4: 4U steel door with key lock mounts flush to front of base to protect mounted electronics from mops, kicks, etc.

• UDP-414: 4U utility drawer with lining and key lock.

• LFD series: solid steel, fully-vented or smoked plexiglass front door.

• RRD series: adj. rails for middle or rear of rack.

• 19-in. E.I.A.: panels, etc. can be found in the accessories section.

Extra 4U in base includes a solid recessed panel.
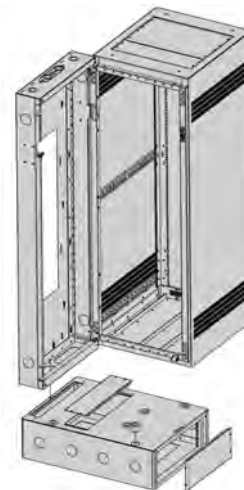
Extra 4U in rack base is ideal for optional utility drawer UDP-414 shown above; or mounted electronics protected with optional flush-mount door LWBR-BD4.

Model No.	Rack Units	Overall D in. (mm)	Usable D in. (mm)	Overall H in. (mm)	Spec No.	Option — Order Separately					
						Extra Pair Rack Rails	Solid Front Door	Fully-vented Front Door	Plexiglass Front Door	Solid Base Door	Power Strip in. †
LWBR-4022	40	22.40 (569)	19.50 (495)	85.78 (2179)	1038	RRD-40	LFD-40	LFD-40FV	LFD-40P	LWBR-BD4	70.00
LWBR-2428	24	28.40 (721)	25.50 (648)	57.77 (1467)	1038	RRD-24	LFD-24	LFD-24FV	LFD-24P	LWBR-BD4	42.00
LWBR-3528	35	28.40 (721)	25.50 (648)	77.03 (1957)	1038	RRD-35	LFD-35	LFD-35FV	LFD-35P	LWBR-BD4	61.25
LWBR-4028	40	28.40 (721)	25.50 (648)	85.78 (2179)	1038	RRD-40	LFD-40	LFD-40FV	LFD-40P	LWBR-BD4	70.00
LWBR-4428	44	28.40 (721)	25.50 (648)	92.78 (2357)	1038	RRD-44	LFD-44	LFD-44FV	LFD-44P	LWBR-BD4	77.00
LWBR-2432	24	32.40 (823)	29.50 (749)	57.77 (1467)	1038	RRD-24	LFD-24	LFD-24FV	LFD-24P	LWBR-BD4	42.00
LWBR-3532	35	32.40 (823)	29.50 (749)	77.03 (1957)	1038	RRD-35	LFD-35	LFD-35FV	LFD-35P	LWBR-BD4	61.25
LWBR-4032	40	32.40 (823)	29.50 (749)	85.78 (2179)	1038	RRD-40	LFD-40	LFD-40FV	LFD-40P	LWBR-BD4	70.00

† Maximum length of power strip that can mount vertically to hat sections in rack. Ultimate fit depends on rack accessories and size of cable bundles.

LWTR tilt-out wall rack

The LWTR wall-mount rack can be installed in brick, concrete block or stud wall construction. Recessed and surface models have a single compartment that holds equipment vertically until lowered to the service (horizontal) position.

Center key lock can be replaced with the optional thumb latch (TLK) for keyless entry. The LWTR features several cutouts with covers for use with optional low-voltage Decora devices, including some cutouts placed for convenient exterior access to mounted devices. The rack has front vents at top and bottom for passive heat dissipation. Steel construction with neutral Network Grey wrinkle powder epoxy finish. Ships in 2 cartons.

STANDARD FEATURES:

Single Compartment: integral handle. Steel hinges provide support when opened to 90° service position (some devices may require equipment to be in service position to operate properly). One-pair adjustable (7-position) rails tapped 10-32. Two brackets secure non-rackmount gear. Holds equipment up to 19-in. x 17.5-in. x 3U.

Backbox: knockouts on top and bottom. Includes 1-gang E.O. box factory-mounted to base.

Load Capacity: 50 lbs. [23 kg].

RACK OPTION:

• TLK: thumb cam latch replaces lock for keyless access.

Ships via

The LWTR has cutouts with covers for low-voltage Decora devices (not included).

Model No.	Mounting Style	Rack Units (vertical)	Overall W * in.	Overall H * in.	Load Capacity lbs.	Projection in.	Spec No.	Option — Order Separately Thumb Latch
LWTR-3R	recessed	3	29.06	29.06	50	1.81	1154	TLK
LWTR-3S	surface	3	29.125	29.125	50	5.81	1154	TLK

* Backbox for surface model is slightly larger than rack frame due to angled design.

LWTCR tilt-out wall rack with dampers

The LWTCR has dampers to control descent as it opens to service position. Recessed or surface models for amplifiers, PA systems or consumer electronics. Single key lock secures top/bottom compartments. Knockouts in top, bottom and rear. Side raceways. Steel construction with Network Grey wrinkle powder epoxy finish. Ships in 2 cartons.

STANDARD FEATURES:

Bottom Compartment: E.I.A. rails hold 19 x 15.3-in. x 3U equipment vertically. Compartment tilts down to service position (some devices may require rack in open/service position to operate properly). Vents beneath integral handle and at bottom. Removable shelf can support a laptop computer.

Top Compartment: 19 x 4.3-in. x 3U space with right hinge that swings out (for use with 19-in. x 3U device panel for Decora controls, microphone connector, etc.—panel not included).

Backbox: rear key holes on 16-in. centers and knockouts on 13-in. centers. Includes 1-gang E.O. box factory-mounted to base.

Load Capacity: 50 lbs. [23 kg].

RACK OPTION:

• TLK: thumb cam latch replaces lock for keyless access.

Ships via

Includes E.O. box factory-mounted in bottom.

Model No.	Mounting Style	Rack Units (vertical)	Overall W * in.	Overall H * in.	Load Capacity lbs.	Projection in.	Spec No.	Option — Order Separately Thumb Latch
LWTCR-3R	recessed	3	27.375	35.06	50	1.81	1155	TLK
LWTCR-3S	surface	3	24.375	32.06	50	6.06	1155	TLK

* Measurements include trim plate for recessed model, which requires minimum recessed depth of 3.98-in.

WS welded wall shelf

The WS welded wall-mount shelf supports electronics—like amplifiers and recorded music systems—in retail, educational and commercial applications where a full-size rack may not be practical. Smooth black powder epoxy finish. Made in the U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Construction: heavy-duty one-piece construction with 16-gauge welded steel. This shelf has a 0.5-in. [13mm] return on the front to help keep equipment in position.

Mounting: mounts easily using keyhole slots on 8-in. or 16-in. centers.

Load Capacity: up to 200 lbs. [91kg] when properly mounted.

Cable Management: Combination knockouts (0.5-in. to 0.75-in.) for cable management are located along the formed top, bottom and sides.

Ships via

Model No.	Overall D in. (mm)	Overall H in. (mm)	Overall W in. (mm)	Load Capacity lbs. (kg)	Spec No.
WS21-17	17.00 (432)	15.00 (381)	21.00 (533)	200 (91)	1151

FS flat ship (hinged) wall shelf

The FS wall-mount shelf ships flat in a compact carton for economical, convenient warehousing. Ships fully assembled. To install simply rotate the rear panel 90° so the front panel flanges insert into rear panel cutouts. Smooth black powder epoxy finish. Made in the U.S.A. with certified U.S. steel.

STANDARD FEATURES:

Construction: 16-gauge steel with front retaining lip that's flanged for added strength.

Mounting: keyhole mounting slots on 16-in. stud centers in rear. Shelf can installed with either surface facing up.

Load Capacity: up to 100 lbs. [45kg] when properly mounted.

Cable Management: top has two oblong cutouts (2.5-in. x 1.25-in.) for cable drop-down. The wall side has a large center opening for wire access, while allowing the shelf to be placed over existing fixtures. Side openings are spaced for single gang stud-mounted conduit boxes. Cable lacing points and punched mounting holes in rear promote quick installation of surface-mount gang size accessories (not included).

Ships via
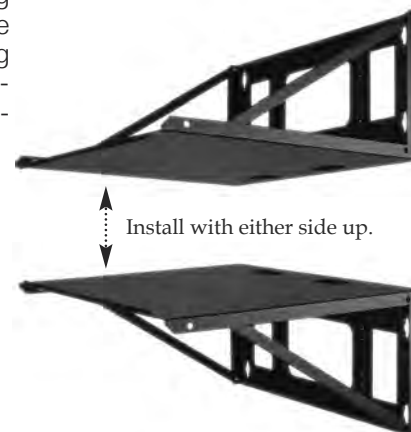
Install with either side up.

Model No.	Overall D in. (mm)	Overall H in. (mm)	Overall W in. (mm)	Load Capacity lbs. (kg)	Spec No.
FS18-14	14.00 (356)	8.19 (208)	18.22 (463)	100 (45)	1153
FS18-16	16.00 (406)	8.19 (208)	18.22 (463)	100 (45)	1153
FS18-20	20.00 (508)	8.19 (208)	18.22 (463)	100 (45)	1153

Base & Top

Platform bases are made in the U.S.A. with certified U.S. steel. LBR, LVR, and LXR rack series use special bases — see individual rack listings.

- **LSB series:** stationary base for LER, LGR racks; mounts inside rack frame flush with bottom rack space to support heavy equipment. Does not increase rack height.

- **LSSB series:** shallow stationary base for LER, LGR racks; mounts inside rack frame adding a sub-floor 2.25-in. below rack space for accessory devices. Does not increase rack height.

- **LMB series:** mobile base for LER, LGR racks; mounts inside rack frame flush with bottom rack space to support heavy equipment. Adds 1.25-in. to rack height. Four non-locking swivel casters are 3" high and have a total load rating of 1400 lbs. [635

kg]. Models ending with "F" have fine floor casters to protect wood, marble and tile.

- **LMSB series:** shallow mobile base for LER, LGR racks; mounts under rack frame adding 4.06-in. to 4.33-in. rack height (see chart below). Four swivel casters are 3-in. high, two are locking. Model ending with "F" has fine floor casters to protect wood, marble and tile.

- **LGT series:** 1-in. high laminate top with rubber edge molding and Graphite Grey finish for LPR, LER, LGR racks.

LMSB

LMB

LSB

LSSB

LGT

Model No.	Overall D in. (mm)	Overall W in. (mm)	Overall H in. (mm)	Increase to Rack Height in. (mm)	Casters for Fine Floors	Spec No.
LSB-22	20.38 (518)	22.81 (579)	3.00 (76)	---	---	1049
LSB-27	26.75 (679)	22.81 (579)	3.00 (76)	---	---	1049
LSB-32	31.75 (806)	22.81 (579)	3.00 (76)	---	---	1049
LSB-36	35.75 (908)	22.81 (579)	3.00 (76)	---	---	1049
LSB-42	41.75 (1060)	22.81 (579)	3.00 (76)	---	---	1049
LSSB-22	20.38 (518)	22.81 (579)	0.75 (19)	---	---	1050
LSSB-27	26.75 (679)	22.81 (579)	0.75 (19)	---	---	1050
LMB-27	26.75 (679)	22.81 (579)	3.00 (76)	1.25 (32)	---	1051
LMB-27F	26.75 (679)	22.81 (579)	3.00 (76)	1.50 (38)	yes	1144
LMB-32	31.75 (806)	22.81 (579)	3.00 (76)	1.25 (32)	---	1051
LMB-32F	31.75 (806)	22.81 (579)	3.00 (76)	1.50 (38)	yes	1144
LMB-36	35.75 (908)	22.81 (579)	3.00 (76)	1.25 (32)	---	1051
LMB-36F	35.75 (908)	22.81 (579)	3.00 (76)	1.50 (38)	yes	1144
LMB-42	41.75 (1060)	22.81 (579)	3.00 (76)	1.25 (32)	---	1051
LMSB-22	21.875 (556)	22.31 (567)	4.06 (103)	4.06 (103)	---	1052
LMSB-22FL	21.875 (556)	22.31 (567)	4.33 (110)	4.33 (110)	yes	1143
LGT-22	24.06 (611)	24.69 (627)	1.00 (25)	1.00 (25)	---	1029
LGT-27	29.06 (738)	24.69 (627)	1.00 (25)	1.00 (25)	---	1029
LGT-32	34.06 (865)	24.69 (627)	1.00 (25)	1 (25)	---	1029

Front Door surface-mount

- LFD series: surface-mount steel door with 180° swing fits rack series LDTR, LER, LGR, LPR, LSER, LSGR, LWBR, LWR and LWSR. Door extends 1-in. from rack frame and mounts left or right without drilling (field-changeable even after equipment has been installed). Features two hinges, recessed handle, standard key lock, and black wrinkle powder epoxy finish. Available in solid steel (single piece construction), fully-vented steel (for passive heat dissipation), or steel frame with smoked plexiglass insert for a premium look. Made in U.S.A.

Solid   Fully-vemted   Plexiglass

Model No.	For Rack Height (U)	Door Style	Key Style	Mounts	Spec No.
LFD-7	7	solid	front style lock	left or right	1024
LFD-10	10	solid	front style lock	left or right	1024
LFD-12	12	solid	front style lock	left or right	1024
LFD-14	14	solid	front style lock	left or right	1024
LFD-16	16	solid	front style lock	left or right	1024
LFD-18	18	solid	front style lock	left or right	1024
LFD-21	21	solid	front style lock	left or right	1024
LFD-24	24	solid	front style lock	left or right	1024
LFD-35	35	solid	front style lock	left or right	1024
LFD-40	40	solid	front style lock	left or right	1024
LFD-44	44	solid	front style lock	left or right	1024
LFD-7P	7	plexiglass	front style lock	left or right	1024
LFD-10P	10	plexiglass	front style lock	left or right	1024
LFD-12P	12	plexiglass	front style lock	left or right	1024
LFD-14P	14	plexiglass	front style lock	left or right	1024
LFD-16P	16	plexiglass	front style lock	left or right	1024
LFD-18P	18	plexiglass	front style lock	left or right	1024
LFD-21P	21	plexiglass	front style lock	left or right	1024
LFD-24P	24	plexiglass	front style lock	left or right	1024
LFD-35P	35	plexiglass	front style lock	left or right	1024
LFD-40P	40	plexiglass	front style lock	left or right	1024
LFD-44P	44	plexiglass	front style lock	left or right	1024
LFD-7FV	7	fully-vented	front style lock	left or right	1024
LFD-10FV	10	fully-vented	front style lock	left or right	1024
LFD-12FV	12	fully-vented	front style lock	left or right	1024
LFD-14FV	14	fully-vented	front style lock	left or right	1024
LFD-16FV	16	fully-vented	front style lock	left or right	1024
LFD-18FV	18	fully-vented	front style lock	left or right	1024
LFD-21FV	21	fully-vented	front style lock	left or right	1024
LFD-24FV	24	fully-vented	front style lock	left or right	1024
LFD-35FV	35	fully-vented	front style lock	left or right	1024
LFD-40FV	40	fully-vented	front style lock	left or right	1024
LFD-44FV	44	fully-vented	front style lock	left or right	1024

Rear Door fully-vented

- LRD series: fully-vented recessed rear door with key lock for rack series LER, LGR, LSER, LSGR, LPR and LPPR mounts left or right without drilling (field changeable). Vented top to bottom for enhanced airflow—ideal for racks loaded with amplifiers or servers with self-contained cooling fans. Black wrinkle powder epoxy finish. Made in U.S.A. with certified U.S. steel. To order a fully-vented rear door instead of the standard solid rear door that comes with the rack, order the rack without rear door (use "LRD" suffix for "less rear door") then order the fully-vented rear door separately.

OPTION:
- Thumb latch: (TLK) replaces lock for keyless access.

Model No.	For Rack Height (U)	Door Style	Depth in. (mm)	Mounts	Spec No.	Option — Order Separately
LRD-35FV	35	fully-vented	0.69 (18)	left or right	1026	TLK
LRD-40FV	40	fully-vented	0.69 (18)	left or right	1026	TLK
LRD-44FV	44	fully-vented	0.69 (18)	left or right	1026	TLK

Dual-door Frame

- LDDF series: 1-in. deep steel frame mounts to rack, allowing two short front doors to be mounted in a Dutch door arrangement. This set-up enables equipment to be secured in two separate areas within a single rack installation. You may also choose to use only one short door, leaving one section of the rack open. The 1-in. frame for rack series LER, LGR, LPR, LPPR, LSER, LSGR, and LWR mounts like a standard door (on left or right hinge). It can be added to an existing installation and does not use any panel space. Black wrinkle powder epoxy finish.

Order doors separately, being sure to select different styles of key lock to maintain separate access. To do this, select a top door from the LFD series on the opposite page and select a bottom door from the LFD-RL series below (solid, fully-vented or smoked plexiglass).

Frame Model No.	Description	For Rack Height (U)	Door Configuration Top Door (U) + Bottom Door (U)	Frame Depth in. (mm)	Spec No.
LDDF-21	Dual-door frame	21	7U top + 14U bottom	1 (25)	1025
LDDF-24	Dual-door frame	24	10U top + 14U bottom	1 (25)	1025
LDDF-35	Dual-door frame	35	14U top + 21U bottom	1 (25)	1025
LDDF-40	Dual-door frame	40	16U top + 24U bottom	1 (25)	1025
LDDF-44	Dual-door frame	44	21U top + 24U bottom	1 (25)	1025

Bottom Door Model No.		Height (U)	Door Style	Key Style	Mounts	Spec No.
LFD-10RL	Front door	10	solid	rear style lock	left or right	1025
LFD-14RL	Front door	14	solid	rear style lock	left or right	1025
LFD-16RL	Front door	16	solid	rear style lock	left or right	1025
LFD-21RL	Front door	21	solid	rear style lock	left or right	1025
LFD-24RL	Front door	24	solid	rear style lock	left or right	1025
LFD-14PRL	Front door	14	plexiglass	rear style lock	left or right	1025
LFD-21PRL	Front door	21	plexiglass	rear style lock	left or right	1025
LFD-24PRL	Front door	24	plexiglass	rear style lock	left or right	1025
LFD-14FVRL	Front door	14	fully vented	rear style lock	left or right	1025
LFD-21FVRL	Front door	21	fully vented	rear style lock	left or right	1025
LFD-24FVRL	Front door	24	fully vented	rear style lock	left or right	1025

Rack Hardware

- Casters: (C2S) four 2-in. swivel casters; total load capacity 500 lbs. [227 kg].

- Ganging hardware: (RGH-40) 1/4–20 x 5/8 hex and kep nuts.

- Door keys:
  - Front (LK-FD):key series B399A
  - Rear (LK-RD):key series B644A

- Door latch (TLK): thumb cam latch replaces lock cylinder for keyless entry.

- Grounding bus bar: (GBB) 0.125" solid copper bar (2-in. wide) grounds connected equipment. Lacing slots and wire tie-down points. Tapped 10-32. Bar is 36-in. or 72-in. long.

- Leg levelers: (LL) heavy duty.

- Neutrik panel: (KOP-N) pair of panels each measuring 9.69-in. x 2.69-in. Each has 6 holes for Neutrik D-series connectors.

- Utility light: (RL-1) 13.5-in. light with plastic yellow housing hangs or mounts magnetically to rack. Includes (1) 13W fluorescent bulb shatter-resistant lens, grounded 120V outlet, swivel hooks, detachable bracket, 6-ft. grounded cord. UL Listed. Imported. Order optional replacement bulb separately (RL-1Bulb).

SCREWS & CAGE NUTS:

- Cage nuts: for square-punched rails. Black.
  - RCN-1224-100
  - RCN-6MM-100
  - RCN-1032-100

- Srews for tapped rails: PilotPoint screws have tip with captive washer for time-saving installs. 5.1 hardness. 10-32 X 8.75 Black.
  - RS: Phillips truss head
  - RSP: Phillips finish head
  - RSV: Torx star post head
  - RSR: Robertson square head

- Screws for square-punched rails: separate washer. Black.
  - RS1224-100: Phillips pan head 12-24 x .75
  - RS6MM-100: Phillips pan head 6mm

RL-1

LL

RSP RS RSV RSR

KOP-N panels

GBB series

Model No.	Description	Size in.	Unit of Measure	Spec No.
C2S	Swivel casters	2 dia.	Set of 4	1083
GBB-36	Grounding bus bar	2 x 36	1	1028
GBB-72	Grounding bus bar	2 x 72	1	1028
KOP-N	Neutrik knockout panel (pair)	2.69 x 9.69 ea.	2	1107
LK-FD	Front door key	---	2	1083
LK-RD	Back door key	---	2	1083
LL	Leg levelers	---	Set of 4	1083
RGH-40	Ganging hardware	1/4–20 x 5/8	40 pc. bag	1083
RL-1	Utility light	---	1	1134
RL-1Bulb	Utility light replacement bulb	---	1	1134
TLK	thumb cam latch	---	1	1083
SCREWS & CAGE NUTS:				
RCN1032-100	Cage nuts	10-32	100 pc. bag	1083
RCN1224-100	Cage nuts	12-24	100 pc. bag	1083
RCN6MM-100	Cage nuts	6mm	100 pc. bag	1083
RS-25	Phillips truss head screws	10-32 x .875	25 pc. bag	1083
RS-100	Phillips truss head screws	10-32 x .875	100 pc. bag	1083
RS-500	Phillips truss head screws	10-32 x .875	500 pc. jar	1083
RSP-25	Phillips finish head screws	10-32 x .875	25 pc. bag	1083
RSP-100	Phillips finish head screws	10-32 x .875	100 pc. bag	1083
RSP-500	Phillips finish head screws	10-32 x .875	500 pc. jar	1083
RSR-50	Robertson square head screws	10-32 x .875	50 pc. bag	1083
RSR-BIT	Pin drive bit (for RSR)	---	1	1083
RSV-50	Torx star post head screws	10-32 x .875	50 pc. bag	1083
RSV-BIT	Pin drive bit (for RSV)	---	1	1083
RS1224-100	Phillips pan head screws	12-24 x .787	100 pc. bag	1083
RS6MM-100	Phillips pan head screws	6mm-m^6, 1x2cm	100 pc. bag	1083

Mounting Rails

Rack mounting rails are tapped 10-32 and feature a printed rack unit scale to streamline equipment setup. Sold in pairs. For rack series not listed below, see individual rack specs. Made in U.S.A.

- RRD series: rack rails for rack series LER, LGR, LPR, LPPR, LSER, LSGR, and LWR. Includes mounting hardware.

- RRTF series: thin-flange rails for slim-frame racks (LXR, LVR series). Includes mounting hardware.

- RRT series: thin-flange rails for 19.062-in. openings in custom millwork. *These rails do not include any mounting hardware.*

RRD series mounting rails (sold in pairs)

RRT (and RRTF) series rails have a thin flange for slim-frame racks and cabinetry (sold in pairs),

Model No.	Rack Units	Material	Tapped 10-32	Printed Scale	Mounting Hardware	Spec No.
RRD-7	7	11-ga. steel	yes	yes	yes	1030
RRD-10	10	11-ga. steel	yes	yes	yes	1030
RRD-12	12	11-ga. steel	yes	yes	yes	1030
RRD-14	14	11-ga. steel	yes	yes	yes	1030
RRD-16	16	11-ga. steel	yes	yes	yes	1030
RRD-18	18	11-ga. steel	yes	yes	yes	1030
RRD-21	21	11-ga. steel	yes	yes	yes	1030
RRD-24	24	11-ga. steel	yes	yes	yes	1030
RRD-35	35	11-ga. steel	yes	yes	yes	1030
RRD-40	40	11-ga. steel	yes	yes	yes	1030
RRD-44	44	11-ga. steel	yes	yes	yes	1030
RRTF-7	7	11-ga. steel	yes	yes	yes	1158
RRTF-10	10	11-ga. steel	yes	yes	yes	1158
RRTF-12	12	11-ga. steel	yes	yes	yes	1158
RRTF-14	14	11-ga. steel	yes	yes	yes	1158
RRTF-16	16	11-ga. steel	yes	yes	yes	1158
RRT-7	7	11-ga. steel	yes	yes	---	1031
RRT-10	10	11-ga. steel	yes	yes	---	1031
RRT-12	12	11-ga. steel	yes	yes	---	1031
RRT-14	14	11-ga. steel	yes	yes	---	1031
RRT-16	16	11-ga. steel	yes	yes	---	1031
RRT-21	21	11-ga. steel	yes	yes	---	1031
RRT-24	24	11-ga. steel	yes	yes	---	1031
RRT-28	28	11-ga. steel	yes	yes	---	1031
RRT-30	30	11-ga. steel	yes	yes	---	1031
RRT-32	32	11-ga. steel	yes	yes	---	1031
RRT-40	40	11-ga. steel	yes	yes	---	1031
RRT-46	46	11-ga. steel	yes	yes	---	1031

Blank Panels 19-in. E.I.A.

- **AFP series**: .125-in. aluminum flat panel, black wrinkle finish.
- **AFPB series**: .125-in. aluminum flat panel, brushed black anodized finish.
- **AP series**: .05-in. aluminum panel with flange, black wrinkle finish.
- **APB series**: .05-in. aluminum panel with flange, brushed black anodized finish.
- **SEFP series**: 14-ga. U.S. steel economy flat panel, black semi-gloss finish.
- **SEP series**: 18-ga. U.S. steel panel with flange, black semi-gloss finish.
- **SP series**: 18-ga. U.S. steel panel with flange, black wrinkle finish.

Flat panel (AFP, AFPB, SEFP)

Panel with flange (AP, APB, SEP, SP)

Model No.	Rack Units	Panel Style	Material	Finish	Overall W in (mm)	Carton Pack	Spec No.
AFP-1	1	flat	.125" aluminum	black wrinkle	19 (483)	1	1057
AFP-1CC	1	flat	.125" aluminum	black wrinkle	19 (483)	12	1057
AFP-2	2	flat	.125" aluminum	black wrinkle	19 (483)	1	1057
AFP-2CC	2	flat	.125" aluminum	black wrinkle	19 (483)	12	1057
AFP-3	3	flat	.125" aluminum	black wrinkle	19 (483)	1	1057
AFP-3CC	3	flat	.125" aluminum	black wrinkle	19 (483)	6	1057
AFP-4	4	flat	.125" aluminum	black wrinkle	19 (483)	1	1057
AFP-4CC	4	flat	.125" aluminum	black wrinkle	19 (483)	6	1057
AFP-5	5	flat	.125" aluminum	black wrinkle	19 (483)	1	1057
AFP-6	6	flat	.125" aluminum	black wrinkle	19 (483)	1	1057
AFPB-1	1	flat	.125" aluminum	brushed black anodized	19 (483)	1	1174
AFPB-2	2	flat	.125" aluminum	brushed black anodized	19 (483)	1	1174
AFPB-3	3	flat	.125" aluminum	brushed black anodized	19 (483)	1	1174
AFPB-4	4	flat	.125" aluminum	brushed black anodized	19 (483)	1	1174
AP-1	1	flange	.05 aluminum	black wrinkle	19 (483)	1	1056
AP-1CC	1	flange	.05 aluminum	black wrinkle	19 (483)	12	1056
AP-2	2	flange	.05 aluminum	black wrinkle	19 (483)	1	1056
AP-2CC	2	flange	.05 aluminum	black wrinkle	19 (483)	12	1056
AP-3	3	flange	.05 aluminum	black wrinkle	19 (483)	1	1056
AP-3CC	3	flange	.05 aluminum	black wrinkle	19 (483)	6	1056
AP-4	4	flange	.05 aluminum	black wrinkle	19 (483)	1	1056
AP-4CC	4	flange	.05 aluminum	black wrinkle	19 (483)	6	1056
AP-5	5	flange	.05 aluminum	black wrinkle	19 (483)	1	1056
AP-6	6	flange	.05 aluminum	black wrinkle	19 (483)	1	1056
APB-1	1	flange	.05 aluminum	brushed black anodized	19 (483)	1	1172
APB-2	2	flange	.05 aluminum	brushed black anodized	19 (483)	1	1172
APB-3	3	flange	.05 aluminum	brushed black anodized	19 (483)	1	1172
APB-4	4	flange	.05 aluminum	brushed black anodized	19 (483)	1	1172

STEEL PANELS:

Model No.	Rack Units	Panel Style	Material	Finish	Overall W in (mm)	Carton Pack	Spec No.
SEFP-1	1	flat	14-ga. steel	black smooth semi-gloss	19 (483)	1	1060
SEFP-1CC	1	flat	14-ga. steel	black smooth semi-gloss	19 (483)	12	1060
SEFP-1MC	1	flat	14-ga. steel	black smooth semi-gloss	19 (483)	48	1060
SEFP-2	2	flat	14-ga. steel	black smooth semi-gloss	19 (483)	1	1060
SEFP-2CC	2	flat	14-ga. steel	black smooth semi-gloss	19 (483)	12	1060
SEFP-2SC	2	flat	14-ga. steel	black smooth semi-gloss	19 (483)	24	1060
SEFP-3	3	flat	14-ga. steel	black smooth semi-gloss	19 (483)	1	1060
SEFP3CC	3	flat	14-ga. steel	black smooth semi-gloss	19 (483)	6	1060
SEFP-4	4	flat	14-ga. steel	black smooth semi-gloss	19 (483)	1	1060
SEFP-4CC	4	flat	14-ga. steel	black smooth semi-gloss	19 (483)	6	1060
SEFP-5	5	flat	14-ga. steel	black smooth semi-gloss	19 (483)	1	1060
SEFP-6	6	flat	14-ga. steel	black smooth semi-gloss	19 (483)	1	1060
SEP-1	1	flange	18-ga. steel	black smooth semi-gloss	19 (483)	1	1059
SEP-1CC	1	flange	18-ga. steel	black smooth semi-gloss	19 (483)	12	1059
SEP-1MC	1	flange	18-ga. steel	black smooth semi-gloss	19 (483)	48	1059
SEP-2	2	flange	18-ga. steel	black smooth semi-gloss	19 (483)	1	1059
SEP-2CC	2	flange	18-ga. steel	black smooth semi-gloss	19 (483)	12	1059
SEP-2SC	2	flange	18-ga. steel	black smooth semi-gloss	19 (483)	24	1059
SEP-3	3	flange	18-ga. steel	black smooth semi-gloss	19 (483)	1	1059
SEP3CC	3	flange	18-ga. steel	black smooth semi-gloss	19 (483)	6	1059
SEP-4	4	flange	18-ga. steel	black smooth semi-gloss	19 (483)	1	1059
SEP-4CC	4	flange	18-ga. steel	black smooth semi-gloss	19 (483)	6	1059
SEP-5	5	flange	18-ga. steel	black smooth semi-gloss	19 (483)	1	1059
SEP-6	6	flange	18-ga. steel	black smooth semi-gloss	19 (483)	1	1059
SP-1	1	flange	16-ga. steel	black wrinkle	19 (483)	1	1058
SP-1CC	1	flange	16-ga. steel	black wrinkle	19 (483)	12	1058
SP-2	2	flange	16-ga. steel	black wrinkle	19 (483)	1	1058
SP-2CC	2	flange	16-ga. steel	black wrinkle	19 (483)	12	1058
SP-3	3	flange	16-ga. steel	black wrinkle	19 (483)	1	1058
SP-3CC	3	flange	16-ga. steel	black wrinkle	19 (483)	6	1058
SP-4	4	flange	16-ga. steel	black wrinkle	19 (483)	1	1058
SP-4CC	4	flange	16-ga. steel	black wrinkle	19 (483)	6	1058
SP-5	5	flange	16-ga. steel	black wrinkle	19 (483)	1	1058
SP-6	6	flange	16-ga. steel	black wrinkle	19 (483)	1	1058
SP-7	7	flange	16-ga. steel	black wrinkle	19 (483)	1	1058

Punched Panels 19-in. E.I.A.

Steel panels punched to hold various types of devices, some of which include a "PocketID"™ plastic overlay for a paper label (templates can be downloaded from website). Black powder epoxy finish. Includes hardware.

For Decora devices:

- D3P-ID-1: (1U) 16-ga. steel panel with flange and 3 holes for Decora devices mounted horizontally (1.75"W max.), label pockets and kep-nut hardware.

- D4P-1: (1U) 16-ga. steel panel with flange and 4 holes for Decora devices mounted horizontally (1.75"W max.) and kep-nut hardware.

- D8P-ID-3: (3U) 16-ga. steel panel with flange and 8 holes for Decora devices, label pocket, and kep-nut hardware.

- D9P-ID-3: (3U) 16-ga. steel panel with flange and 9 holes for Decora devices or 4 multi-gang devices on alternate spacing (i.e. model 150LVCS). Confirm clearance for non-Lowell controls. Includes label pocket, kep-nut hardware.

- DBB-4: blank filler plates for un-used positions (pack of 4)

For identification:

- IP-ID-1: (1U) 18-ga. steel I.D. panel with label pockets.

For Neutrik connectors:

- N10P-ID-1: (1U) 20-ga. steel flanged panel with 10 holes for Neutrik D or Switchcraft E connectors, black and nickel-plated screws, and label pocket. Order blank filler plates from Neutrik (DBA).

For wall plate devices:

- SG6P-3: (2U) 16-ga. steel panel with 6 holes for 1-gang standard wall plate devices that install with two screws and have a non-re-movable plate. Spacing unsuit-able for 2-gang devices.

For volume controls:

- D3P-ID-2: (2U) 16-ga. steel panel with flange and 3 holes for wide-body attenuators mounted hori-zontally (e.g. model series 200LVC), label pocket and kep-nut hardware.

- LVC8P-ID-2: (2U) 16-ga. steel panel with flange has 8 holes for volume controls (e.g. model series LVC-RM). Includes plugs for un-used positions, and pocket for label. Does not include device mounting hardware.
  - *Pre-load option: this panel can be ordered with pre-loaded volume controls. See spec sheet for more information.*

D3P-ID-1

D4P-1
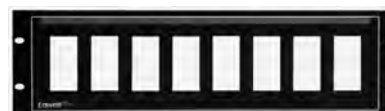
D8P-ID-3

D9P-ID-3

IP-ID-1

N10P-ID-1

SG6P-3

D3P-ID-2

LVC8P-ID-2

Model No.	Rack Units	Panel Style	Panel Material	Cutout Style	Cutout Quantity	PocketID Label Area	Overall W in. (mm)	Spec No.
D3P-ID-1	1	flange	16-ga. steel	Decora	3	yes	19 (483)	1064
D4P-1	1	flange	16-ga. steel	Decora	4	---	19 (483)	1070
D8P-ID-3	3	flange	16-ga. steel	Decora	8	yes	19 (483)	1065
D9P-ID-3	3	flange	16-ga. steel	Decora	9	yes	19 (483)	1066
IP-ID-1	1	flange	16-ga. steel	---	---	yes	19 (483)	1067
N10P-ID-1	1	flange	16-ga. steel	Neutrik	10	yes	19 (483)	1068
SG6P-3	3	flange	16-ga. steel	std. wall plate	6	---	19 (483)	1071
D3P-ID-2	2	flange	16-ga. steel	volume controls	3	yes	19 (483)	1064
LVC8P-ID-2	2	flange	16-ga. steel	volume controls	8	yes	19 (483)	1069

Vent Panels

19-in. E.I.A. vented aluminum and steel panels with flange and black finish are made in the U.S.A.

- **AVPB series**: .05 aluminum panel with 0.5-in. flange is vented with slotted vents. Brushed black anodized finish.

- **SVP series**: 18-ga. steel panel with 0.625-in. flange and vents (staggered holes). Smooth black semi-gloss finish.

- **SVSP series**: 18-ga. steel panel with 0.625-in. flange with slotted vents. Smooth black semi-gloss finish.

SVP-series

SVSP-series / AVSVPB-series

Model No.	Rack Units	Style	Vent Pattern	Material	Finish	Overall W in. (mm)	Carton Pack	Spec No.
AVPB-1	1	flange	slotted	.05 aluminum	brushed black anodized	19 (483)	1	1173
AVPB-2	2	flange	slotted	.05 aluminum	brushed black anodized	19 (483)	1	1173
SVP-1	1	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	1	1061
SVP-1CC	1	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	12	1061
SVP-2	2	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	1	1061
SVP-2CC	2	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	12	1061
SVP-3	3	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	1	1061
SVP-3CC	3	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	6	1061
SVP-4	4	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	1	1061
SVP-4CC	4	flange	standard	18-ga. steel	smooth black semi-gloss	19 (483)	6	1061
SVSP-1	1	flange	slotted	18-ga. steel	smooth black semi-gloss	19 (483)	1	1062
SVSP-1CC	1	flange	slotted	18-ga. steel	smooth black semi-gloss	19 (483)	12	1062
SVSP-1MC	1	flange	slotted	18-ga. steel	smooth black semi-gloss	19 (483)	48	1062
SVSP-2	2	flange	slotted	18-ga. steel	smooth black semi-gloss	19 (483)	1	1062
SVSP-2CC	2	flange	slotted	18-ga. steel	smooth black semi-gloss	19 (483)	12	1062
SVSP-2SC	2	flange	slotted	18-ga. steel	smooth black semi-gloss	19 (483)	24	1062

Security Covers

19-in. E.I.A. covers are 18-gauge U.S. steel with 0.625-in. flange and mount in front of equipment to add a level of security to rackmount electronics. Made in U.S.A.

- **SSC---V**: vent panel with smooth black semi-gloss finish.

- **SSC---P**: black steel frame with smoked plexiglass insert.

Vented

Plexiglass

Model No.	Rack Units	Style	Cover Style	Material	Finish	Overll W in. (mm)	Carton Pack	Spec No.
SSC-1V	1	flange	vented	18-ga. steel	smooth black semi-gloss	19 (483)	1	1063
SSC-2V	2	flange	vented	18-ga. steel	smooth black semi-gloss	19 (483)	1	1063
SSC-3V	3	flange	vented	18-ga. steel	smooth black semi-gloss	19 (483)	1	1063
SSC-4V	4	flange	vented	18-ga. steel	smooth black semi-gloss	19 (483)	1	1063
SSC-1P	1	flange	plexiglass	18-ga. steel frame	smooth black semi-gloss	19 (483)	1	1063
SSC-2P	1	flange	plexiglass	18-ga. steel frame	smooth black semi-gloss	19 (483)	1	1063

Fan Panels

for North America

Whisper fans: steel panels with 4.7-in diameter whisper fans (50cfm each), fan guard, and 6-ft. cord with plug. Optional green thermo-cord has integral thermostat to automatically activate and deactivate fans at set temperatures (86°F—72°F).

- FW2-3: (3U) 19-in. panel with 2 fans and std. cord. Order model no. FW2-3T for thermo-cord.

- FW3-3: (3U) 19-in. panel with 3 fans and std. cord. Order model no. FW3-3T for thermo-cord.

- FW4-7: (7U) 19-in. panel with 4 fans and std. cord. Order model no. FW4-7T for thermo-cord.

- FW1-KIT: single fan for spot cooling mounts to rack's rear door or side vents. Order model no. FW1-KITT for thermo-cord.

- FW2-RD: mounts inside or outside rear door in rack series LGR, LER, LPR, LPPR, LSGR, LSER. Low profile (2-in deep) assembly has 2 fans, front guards and 6-ft. detachable cord. Order model no. FW2-RDT for thermo-cord.

- FW-FF: filter for 4.7-in. diameter whisper fan.

Turbo fan: steel panel with 10-in. diameter turbo fan (550cfm), fan guards, and 6-ft. cord with plug. Optional green thermo-cord.

- FT1-7: (7U) 19-in. panel with single thermo fan and standard cord. Order model no. FT1-7T for thermo-cord.
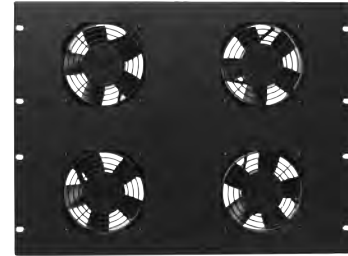
Stand-alone Thermostat:

- FTC-1: stand-alone thermostat controls fan activation. Compact (10-in. x 3-in. x 3-in.) assembly mounts inside rack. Includes 6-ft. cord with plug.

FW2-3

FW3-3

FW4-7

FT1-7

FW2-RD

Thermo-cord

FTC-1

FW1-KIT

Model No.	Description	Cord Type	Rack Units	No. of Fans	Fan Dia. in.	Spec No.
FW2-3	19-in. whisper fan panel	standard	3	2	4.7	1053
FW2-3T	19-in. whisper fan panel	thermo	3	2	4.7	1053
FW3-3	19-in. whisper fan panel	standard	3	3	4.7	1053
FW3-3T	19-in. whisper fan panel	thermo	3	3	4.7	1053
FW4-7	19-in. whisper fan panel	standard	7	4	4.7	1053
FW4-7T	19-in. whisper fan panel	thermo	7	4	4.7	1053
FW1-KIT	Single fan kit for spot cooling	standard	---	1	4.7	1159
FW1-KITT	Single fan kit for spot cooling	thermo	---	1	4.7	1159
FW2-RD	Rear door whisper fan panel	standard	---	2	4.7	1042
FW2-RDT	Rear door whisper fan panel	thermo	---	2	4.7	1042
FW-FF	Fan filter (for 4.7-in. fan)	---	---	---	---	1053
FT1-7	19-in. turbo fan panel	standard	7	1	10	1054
FT1-7T	19-in. turbo fan panel	thermo	7	1	10	1054
FTC-1	Thermostat	standard	---	---	---	1055

Fan panels for Europe

Whisper fans: steel panels with 4.7-in diameter whisper fans (50cfm each), fan guard, and 6-ft. cord without plug (plug is to be supplied by installer).

- FW2-3E: (3U) 19-in. panel with 2 whisper fans.
- FW1-KITE: single fan kit for targeted cooling mounts to rear door or vented side panels. .

Turbo fan: steel panel with 10-in. dia. turbo fan (550cfm), fan guards, and 6-ft. cord without plug.

- FT1-7E: (7U) 19-in. panel with single turbo fan.

Stand-alone Thermostat:

- FTC-1E: controls fan activation. Includes 6-ft. cord without plug (plug to be supplied by installer).

FW2-3E

FT1-7E

FW1-KITE for spot cooling

FTC-1E

Model No.	Description	Cord	Rack Units	No. of Fans	Fan Diameter in.	Spec No.
FW2-3E	19-in. whisper fan panel	cord without plug	3	2	4.7	1146
FT1-7E	19-i. turbo fan panel	cord without plug	7	1	10.0	1145
FW1-KITE	Single fan kit for spot cooling	cord without plug	---	1	4.7	1148
FTC-1E	Thermostat	cord without plug	---	---	---	1142

UNIVERSAL fan panels

Universal fans: steel panels with 3.15-in dia. quiet fans, universal input voltage (100VAC–240VAC) and three adaptor plugs to accommodate outlets in North America, Europe and the U.K. Includes thermo-probe to monitor temperature and automatically activate fans, adjusting speed gradually according to pre-set temperature ranges. Fans run very quietly.

- FDC2-2T: (2U) 19-in. panel with 2 fans (52cfm total / 26dBa)
- FDC4-2T: (2U) 19-in. panel with 4 fans (104cfm total / 29dBa)

FDC2-2T

FDC4-2T

Model No.	Description	Cord	Rack Units	No. of Fans	Fan Diameter in.	Spec No.
FDC2-2T	19-in. fan panel	cord with 3 plugs & thermo probe	2	2	3.15	1171
FDC4-2T	19-in. fan panel	cord with 3 plugs & thermo probe	2	4	3.15	1171

Rackmount Drawers & Shelves

Drawers

Rackmount drawers are 16-gauge welded steel construction with smooth black powder epoxy finish. Made in USA. with certified U.S. steel. Mounting hardware not included.

- **KDMS:** keyboard drawer with monitor shelf holds 18-in. keyboard with wrist pad. Swivel platform for mouse. 19 x 20-in. drawer has 16-in. extension brackets to mount on front and rear rack rails. Reinforced top holds computer monitor. *Note: this 4.34-in. high drawer is not standard E.I.A. spacing to accommodate computer monitor.*

- **RSD-116:** see shelves.

- **SBL series:** 19 x 8.99-in. storage box with door hinge on bottom (opens from top). Slam-latch closure with key lock. Load capacity 50 lbs. [22 kg].

- **UDE series:** 19 x 14.5-in. welded drawer with ball-bearing slides mounts on front rack rails. Rear plastic bushing for plug or wire pass-through. Load capacity 50 lbs. [22 kg].

- **UDEL series:** 19 x 14.5-in. welded drawer with ball-bearing slides mounts on front rack rails. Key lock. Rear plastic bushing for plug or wire pass-through. Load capacity 50 lbs. [22 kg].

- **UDP series:** 19 x 14.5-in. welded drawer with ball bearing slides, recessed pull, slam-latch closure and key lock. Rear plastic bushing for plug or wire pass-through. Includes non-slip mat liner (CDM). Load capacity 50 lbs. [22 kg].

Liners:

- **CDM:** 15.5 x 14 x 0.125-in. heavy duty PVC non-slip liner protects equipment from metal surface of drawer.

- **DFI series:** 15.5 x 14-in. thick die-cut foam insert is pre-scored to allow "pick-and-pull" customized nests for equipment. Includes 3/8-in. bottom foam pad.
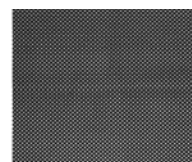
*KDMS ***

SBL-39

UDEL-214

UDE, UDEL and UDP series drawers look alike but have different features.

Optional CDM non-slip liner helps protect equipment from metal surfaces. (included with UDP series drawers).

*Optional CFI pre-scored foam allows custom nests for equipment. ***

Model No.	Description	Rack Units	Panel Space in. (mm)	Overall D in. (mm)	Overall W in. (mm)	Key Lock	Liner	Slam-Latch Closure	Spec No.
CDM	Non-slip mat liner	---	---	14.0 (356)	15.5 (394)	---	yes	---	1078
DFI-2	Foam liner	2	---	14.0 (356)	15.5 (394)	---	yes	---	1078
DFI-3	Foam liner	3	---	14.0 (356)	15.5 (394)	---	yes	---	1078
DFI-4	Foam liner	4	---	14.0 (356)	15.5 (394)	---	yes	---	1078
KDMS	Keyboard drawer with reinforced shelf *	2 +	4.34 (110)	20.0 (508)	19.0 (483)	---	---	---	1084
SBL-39	Storage box with key lock	3	5.25 (133)	8.99 (228)	19.0 (483)	yes	---	yes	1077
SBL-49	Storage box with key lock	4	7.00 (12.25)	8.99 (228)	19.0 (483)	yes	---	yes	1077
UDE-214	Utility drawer	2	3.50 (89)	14.5 (367)	19.0 (483)	---	---	---	1078
UDE-314	Utility drawer	3	5.25 (133)	14.5 (367)	19.0 (483)	---	---	---	1078
UDE-414	Utility drawer	4	7.00 (12.25)	14.5 (367)	19.0 (483)	---	---	---	1078
UDEL-214	Utility drawer with key lock	2	3.50 (89)	14.5 (367)	19.0 (483)	yes	---	---	1079
UDEL-314	Utility drawer with key lock	3	5.25 (133)	14.5 (367)	19.0 (483)	yes	---	---	1079
UDEL-414	Utility drawer with key lock	4	7.00 (12.25)	14.5 (367)	19.0 (483)	yes	---	---	1079
UDP-214	Utility drawer with key lock & liner	2	3.50 (89)	14.5 (367)	19.0 (483)	yes	yes	yes	1080
UDP-314	Utility drawer with key lock & liner	3	5.25 (133)	14.5 (367)	19.0 (483)	yes	yes	yes	1080
UDP-414	Utility drawer with key lock & liner	4	7.00 (12.25)	14.5 (367)	19.0 (483)	yes	yes	yes	1080
UDP-614	Utility drawer with key lock & liner	6	10.50 (267)	14.5 (367)	19.0 (483)	yes	yes	yes	1080

* Keyboard / electronic equipment not included.

Shelves

Assortment of shelves for rack-mount equipment includes numerous steel racks made in the U.S.A. with certified U.S. steel.

- **FWS-215:** (2U) 15-in. deep shelf with woodgrain laminate finish serves as writing surface or shelf. Load capacity 30 lbs. [13 kg].

- **KDMS:** see drawers.

- **MH4-CD:** (4U) 7 x 5.38-in. steel media shelf with dividers holds 40 jewel cases. Installs on front rails (10-32 hardware not included). Black. Not pictured—design is similar to MH5-DVD.

- **MH5-DVD:** (5U) 8.72 x 5.5-in. steel media shelf with dividers holds 40 jewel cases. Installs on front rails (10-32 hardware not included). Black.

- **RSD-116:** (1U) reversible sliding shelf can also be installed as 1.58-in. high shallow drawer. Requires front and rear rail support. Rear supports extend 18 to 33-in. deep. Front/rear vents. Load capacity 80 lbs. [36 kg]. Black.

- **US series:** 10-in. or 14-in. deep steel utility shelf with open front. Load capacity 50 lbs. [22 kg]. Black.

- **USE series:** 10-in. deep steel utility shelf punched for chassis-style electronics. Front security panel. Load capacity 50 lbs. [22 kg].

- **USVC series:** 15-in. deep steel utility shelf for non-rackmount equipment. Open front, clamping brackets, vents, rear stops. Load capacity 50 lbs. [22 kg].

- **VDS-2-2032:** (2U) variable-depth steel shelf adjusts from 20–32 in. deep for 27—36-in. deep racks. Requires front and rear rail support. Load capacity 250 lbs. [113 kg].

- **VWS series:** (2U or 3U) 14-in. or 18-in. deep steel shelf with variable-width (17.5 to 22-in.) mounts *behind rails* and is primarily for equipment that's wider than the mounting rail clearance (17.813-in.). Three pieces. Install with long or short sides up to emulate 2U or 3U height. Load capacity 50 lbs. [22 kg].

- **RMK series:** shelf with custom face plate for professional installation of non-rackmount equipment up to 17.375-in. wide. Sturdy steel construction with vented bottom and sides with hinges for easy storage. Custom-fabricated face plate secures on standard E.I.A. spacing after shelf is mounted. Kit includes 14in. or 18-in. deep shelf, custom face plate and four L-style brackets. The RMK can also be purchased without a face plate, or the face plate can be purchased separately as needed for new equipment. Optional top clamp (model no. RMK-TCMP) secures equipment that's less than 16.125-in. wide. *Note: Because the RMK includes a custom plate you must provide equipment measurements to ensure proper fit. Visit online database for complete model no. or template to measure equipment.*
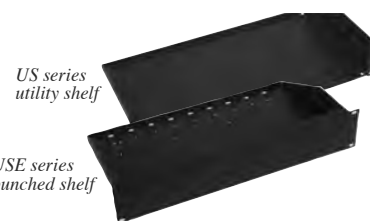

FWS-215 woodgrain laminate shelf

MH5-DVD media holder
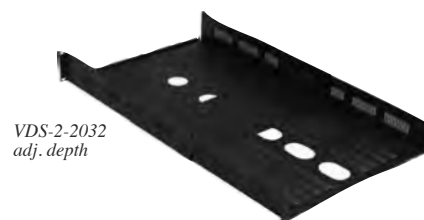

RSD-116 installs as shelf or drawer

US series utility shelf

USE series punched shelf

USVC series has clamps for non-stamdard equipment

VDS-2-2032 adj. depth

VWS-214 adj. width

RMK shelf with custom face plate

Model No.	Description	Rack Units	Panel Space in. (mm)	Overall D in. (mm)	Overall W in. (mm)	Carton Quantity	Spec No.
FWS-215	Woodgrain laminate shelf	2	3.50 (89)	15.0 (381)	19.0 (483)	1	1072
MH-4-CD	Media holder	4	7.00 (178)	5.38 (137)	19.0 (483)	1	1082
MH-5-DVD	Media holder	5	8.75 (222)	5.5 (140)	19.0 (483)	1	1126
RSD-116	Reversible shelf/drawer	1	1.75 (44)	18–33 (457–838)	19.0 (483)	1	1073
US-110	Utility shelf	1	1.75 (44)	10.0 (254)	19.0 (483)	1	1004
US-110CC	Utility shelf	1	1.75 (44)	10.0 (254)	19.0 (483)	12	1004
US-210	Utility shelf	2	3.50 (89)	10.0 (254)	19.0 (483)	1	1004
US-210CC	Utility shelf	2	3.50 (89)	10.0 (254)	19.0 (483)	6	1004
US-310	Utility shelf	3	5.25 (133)	10.0 (254)	19.0 (483)	2	1004
US-114	Utility shelf	1	1.75 (44)	14.0 (356)	19.0 (483)	1	1004
US-214	Utility shelf	2	3.50 (89)	14.0 (356)	19.0 (483)	1	1004
US-214CC	Utility shelf	2	3.50 (89)	14.0 (356)	19.0 (483)	6	1004
US-314	Utility shelf	3	5.25 (133)	14.0 (356)	19.0 (483)	2	1004
US-414	Utility shelf	4	7.00 (178)	14.0 (356)	19.0 (483)	2	1004
USE-210	Utility shelf punched for electronics	2	3.50 (89)	10.0 (254)	19.0 (483)	1	1074
USE-310	Utility shelf punched for electronics	3	5.25 (133)	10.0 (254)	19.0 (483)	2	1074
USVC-215	Utility shelf with clamps	2	3.50 (89)	15.0 (381)	19.0 (483)	1	1090
USVC-315	Utility shelf with clamps	3	5.25 (133)	15.0 (381)	19.0 (483)	2	1090
USVC-415	Utility shelf with clamps	4	7.00 (178)	15.0 (381)	19.0 (483)	2	1090
VDS-2-2032	Vari-depth shelf	2	3.50 (89)	20–32 (508–813)	19.0 (483)	1	1075
VWS-214	Vari-width shelf	2 or 3	3.50+ (89+)	14.0 (356)	17.69-22 (449-558)	1	1076
VWS-218	Vari-width shelf	2 or 3	3.50+ (89+)	18.0 (457)	17.69-22 (449-558)	1	1076

RMK CUSTOM SHELF:

Model No.	Description	Rack Units	Panel Space in. (mm)	Overall D in. (mm)	Overall W in. (mm)	Carton Quantity	Spec No.
RMK2-14-LFP	Shelf with open front	2	3.50 (89)	14.0 (356)	19.0 (483)	1	1140
RMK3-14-LFP	Shelf with open front	3	5.25 (133)	14.0 (356)	19.0 (483)	1	1140
RMK4-14-LFP	Shelf with open front	4	7.00 (178)	14.0 (356)	19.0 (483)	1	1140
RMK5-14-LFP	Shelf with open front	5	8.75 (222)	14.0 (356)	19.0 (483)	1	1140
RMK2-18-LFP	Shelf with open front	2	3.50 (89)	18.0 (457)	19.0 (483)	1	1140
RMK3-18-LFP	Shelf with open front	3	5.25 (133)	18.0 (457)	19.0 (483)	1	1140
RMK4-18-LFP	Shelf with open front	4	7.00 (178)	18.0 (457)	19.0 (483)	1	1140
RMK5-18-LFP	Shelf with open front	5	8.75 (222)	18.0 (457)	19.0 (483)	1	1140
RMK2-14-(___)	Shelf & custom face plate *	2	3.50 (89)	14.0 (356)	19.0 (483)	1	1140
RMK3-14-(___)	Shelf & custom face plate *	3	5.25 (133)	14.0 (356)	19.0 (483)	1	1140
RMK4-14-(___)	Shelf & custom face plate *	4	7.00 (178)	14.0 (356)	19.0 (483)	1	1140
RMK5-14-(___)	Shelf & custom face plate *	5	8.75 (222)	14.0 (356)	19.0 (483)	1	1140
RMK2-18-(___)	Shelf & custom face plate *	2	3.50 (89)	18.0 (457)	19.0 (483)	1	1140
RMK3-18-(___)	Shelf & custom face plate *	3	5.25 (133)	18.0 (457)	19.0 (483)	1	1140
RMK4-18-(___)	Shelf & custom face plate *	4	7.00 (178)	18.0 (457)	19.0 (483)	1	1140
RMK5-18-(___)	Shelf & custom face plate *	5	8.75 (222)	18.0 (457)	19.0 (483)	1	1140
RMK2FP-(___)	Custom face plate (only) *	2	3.50 (89)	---	19.0 (483)	1	1140
RMK3FP-(___)	Custom face plate (only) *	3	5.25 (133)	---	19.0 (483)	1	1140
RMK4FP-(___)	Custom face plate (only) *	4	7.00 (178)	---	19.0 (483)	1	1140
RMK5FP-(___)	Custom face plate (only) *	5	8.75 (222)	---	19.0 (483)	1	1140

* (___) indicates partial model number for models with custom face plate. See online database for complete model no. or template to measure new electronics.

Cable Managers

Horizontal

- <u>CMBS series</u>: stackable slotted steel lacing bars are 14-ga. steel and measure appox. 19-in. x 0.625-in. Straight or offset (2, 4 or 6-in.) bars are stackable on horizontal plane to save rack space. Straight bars can be mounted at right angle to each other for dual-lacing configuration in 1U space. Bars can be used as support bracing for equipment if used with mid or rear-rails. Black. Made in U.S.A. Pack of 10.

- <u>CMFW series</u>: stackable flat wire with tie-down slots and holes is 11-ga. steel with smooth (non-abrasive) rounded edges. Robust design can be used as support bracing for equipment if used with mid or rear-rails. Straight or offset (2 or 4-in.). Stackable on horizontal plane to save space. Black. Made in U.S.A. Pack of 10.

- <u>CMCD-1HV</u>: for open frame data racks (LRR series) only. The (1U) 19-in. steel panel has plastic flex-clips along center and welded D-rings on ends that extend beyond panel width. Plastic clips rotate individually. Welded D-rings are for vertical management of medium to large cable bundles. Black. Made in U.S.A. Sold individually. Order model no. CMC-1HV if end D-rings aren't needed.

- <u>CMD series</u>: (1U or 2U) panel with welded D-rings for stability of medium/large bundles. Standard models have five D-rings along middle. Models with "HV" suffix have four D-rings along middle plus one on each end (extends beyond 19-in. panel) for vertical cable runs, making them suitable for open frame data racks only. Black. Sold individually.

- <u>CMD-2V</u>: steel D-ring (3.5 x 0.875-in.) welded to (2U) bracket punched on E.I.A. spacing for localized cable routing. Black.

- <u>CMPS series</u>: 19-in. slotted steel panel with flange for lacing wires and cables. Black. Pack of 10.

- <u>CMR series</u>: 0.25 in. dia. CRS. Straight or offset. Black. Pack of 10.

- <u>CMHT series</u>: telescoping panel with flange extends 17-30 in. or 19-36 in. and typically mounts along rack depth. Black. Pack of 2.

CMBS-6 (stackable)

CMFW series (3 stacked)

CMCD-1HV

CMC-1HV

CMD-2HV

CMD-2V

CMPS-2

CMR

CMHT2-1936

Model No.	Description	Rack Units	Offset in.	Overall H in.	Overall W in.	Spec No.
CMBS	Stackable slotted bar, straight	---	---	0.625	19	1131
CMBS-2	Stackable slotted bar, offset	---	2.00	0.625	19	1131
CMBS-4	Stackable slotted bar, offset	---	4.00	0.625	19	1131
CMBS-6	Stackable slotted bar, offset	---	6.00	0.625	19	1131
CMFW	Stackable flat wire, straight	---	---	0.50	19	1132
CMFW-2	Stackable flat wire, offset	---	1.75	0.50	19	1132
CMFW-4	Stackable flat wire, offset	---	4.00	0.50	19	1132
CMC-1HV	Panel with flex clips	1	---	1.75	19	1133
CMCD-1HV	Panel with flex clips, 2 end D-rings	1	---	1.75	19 +	1133
CMD-1H	Panel with 5 center D-rings	1	---	1.75	19	1135
CMD-1HV	Panel with 4 center D-rings, 2 end D-rings	1	---	1.75	19 +	1135
CMD-2H	Panel with 5 center D-rings	2	---	3.50	19	1135
CMD-2HV	Panel with 4 center D-rings, 2 end D-rings	2	---	3.50	19 +	1135
CMD-2V	Single D-ring on bracket	2	---	3.50	---	1135
CMHT1-1730	Telescoping panel (17-30 in.) *	1	---	1.75	---	1136
CMHT2-1936	Telescoping panel (19-36 in.) *	2	---	3.64	---	1136
CMPS-1	Slotted steel panel	1	---	1.75	19	1137
CMPS-2	Slotted steel panel	2	---	3.50	19	1137
CMR	Steel rod, straight	---	---	0.25 dia	19	1138
CMR2	Steel rod, offset	---	1.50	0.25 dia	19	1138
CMR4	Steel rod, offset	---	4.00	0.25 dia	19	1138

Telescoping bars are typically mounted along rack depth.
+ 3.25-in. high D-rings extend off panel ends going beyond standard 19-in. width.

Vertical

- CMV series: steel bars for lacing wires and cables include screws and nut slides. Smooth black powder epoxy finish. Made in U.S.A. Pack of 6.
  - CMV2-18: (18U) 2 x 31.5
  - CMV2-35: (35U) 2 x 61.25
  - CMV2-44: (44U) 2 x 77
  - CMV3-12: (12U) 3.25 x 21
  - CMV3-24: (24U) 3.25 x 42
  - CMV3-35: (35U) 3.25 x 61.25
  - CMV3-40: (40U) 3.25 x 70
  - CMV3-44: (44U) 3.25 x 77
  - CMV5-24: (24U) 4.75 x 42
  - CMV5-35: (35U) 4.75 x 61.25
  - CMV5-40: (40U) 4.75 x 70
  - CMV5-44: (44U) 4.75 x 77

- LCC4 series: 16-ga. steel cable chase provides 4-in. usable space for wires running between gangable racks or at the end of a multi-bay configuration. Models are sized for 44U rack (27 to 42-in. deep). Ships unassembled in 3 pieces. Bolt-on front/rear/top plus joining hardware, beveled edges, black powder epoxy finish. Compound knockouts in top. Includes 10-32 nuts. Made in U.S.A.

CMV3 and
CMV5 series

LCC4-series
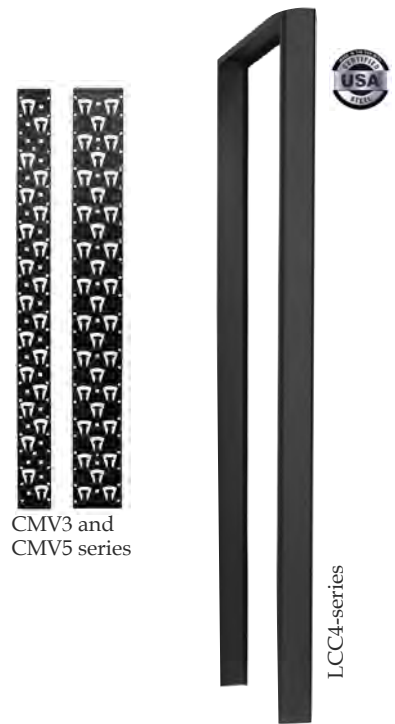
Model No.	Rack Units	Overall H in. (mm)	Overall W in. (mm)	Overall D in. (mm)	Spec No.
CMV2-18	18	31.50 (800)	2.00 (51)	---	1139
CMV2-35	35	61.25 (1556)	2.00 (51)	---	1139
CMV2-44	44	77.00 (1956)	2.00 (51)	---	1139
CMV3-12	12	21.00 (533)	3.25 (83)	---	1139
CMV3-24	24	42.00 (1067)	3.25 (83)	---	1139
CMV3-35	35	61.25 (1556)	3.25 (83)	---	1139
CMV3-40	40	70.00 (1956)	3.25 (83)	---	1139
CMV3-44	44	77.00 (1956)	3.25 (83)	---	1139
CMV5-24	24	42.00 (1067)	4.75 (121)	---	1139
CMV5-35	35	61.25 (1556)	4.75 (121)	---	1139
CMV5-40	40	70.00 (1956)	4.75 (121)	---	1139
CMV5-44	44	77.00 (1956)	4.75 (121)	---	1139
LCC4-4427	44		4.75 (121)	27 (686)	1027
LCC4-4432	44		4.75 (121)	32 (813)	1027
LCC4-4436	44		4.75 (121)	36 (914)	1027
LCC4-4442	44		4.75 (121)	42 (914)	1027

Cabling Aids

- LGRB-12: plastic bushings snap into access holes along rear vertical sides of gangable racks to protect cable running between them. Bag of 12.

- VCW-12: velcro cable ties for light-duty settings—up to 200 fastenings. Ideal for AV connections, networking equipment or holding cables out of the way during installation. Approx. 8-in. x 0.5-in. each. Maximum bundle diameter 1.75-in. Black. Bag of 12.

LGRB-12

VCW-12

Model No.	Diameter in. (mm)	Length in. (mm)	Width in. (mm)	Unit of Measure
LGRB-12	2.00 (51)	---	---	bag of 12
VCW-12	holds 1.75 dia. bundle	8.00 (203)	0.50 (13)	bag of 12