



LOADMASTER® HALF RACK CASES

RACK PROTECTION AT HALF THE SIZE

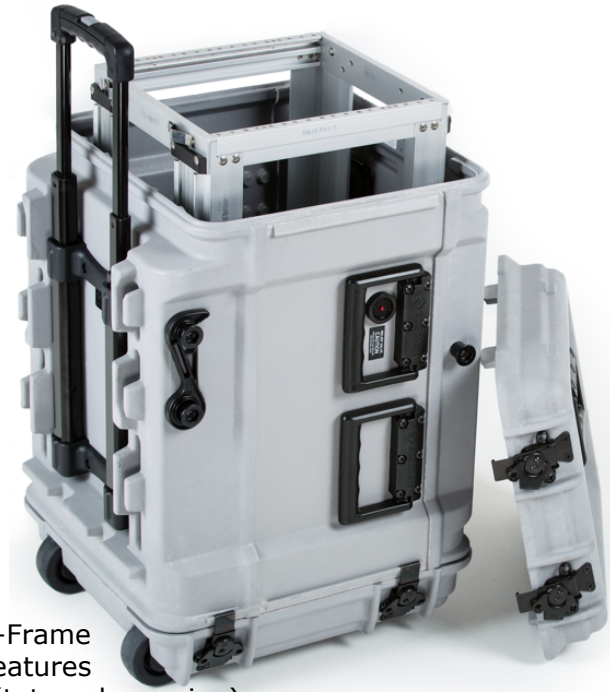
RUGGEDIZED AT HALF THE SIZE

Loadmaster® Half Rack Cases are the toughest, lightest, most protective, portable military electronic enclosures for smaller equipment anywhere. They are extremely durable in any environment. The slide-out, all aluminum rack can be disengaged and completely removed from the outer case when the rack is empty or populated during integration and maintenance.

ECS Half Rack Cases Provide maximum sway space inside the smallest, lightest, toughest rackmount enclosures available anywhere. Enhanced sway space for the rack allows shock mounts to provide maximum shock & vibration protection. Half Rack cases provide maximum attenuation of impact energy and unequalled shock & vibration protection for enclosed equipment. These Half Rack Cases now come in a toteable option, allowing these durable, little cases to be transportable.


APPLICATIONS:

- Communications
- Servers
- Modems
- Routers
- Media
- Etc.



FEATURES:

- Offered in 4U-10U
- All Aluminum Inner-Frame
- Modular Stacking Features
- Rear Edge Casters (tote only version)
- Telescoping, Tote Handle (tote version only)
- Built to Meet MIL-STD-810G
- Molded-In, Threaded Inserts
- Hemispherical, Shock Isolation

THE ECS DIFFERENCE		COMPETITORS RACKMOUNT
Material	Glass mat fiberglass in a polypropylene base.	Rotationally Molded LLDPE
Tensile Strength	14,000 PSI	4,000 PSI
Flexural Strength	24,000 PSI	N/A
Flexural Modulus	800,000 PSI	105,000 PSI
Thermal Deflection	310° F	122° F
Payload	Up to 200 lbs.	N/A
Standard Size	4U - 10U	N/A
Molded-In, Fastener Inserts	Molded-In, Threaded Inserts to Eliminate Leak & NBS Paths, Allowing Latches & Handles to Be Fully Field Replaceable	N/A
Features	Ergonomic Handles, Pressure Relief Valve, Gaskets, Fully Field Replaceable Handles & Latches	N/A
Options - Standard and Toteable	Clip Nuts or Nutbars, Lid Pouches, Edge Casters (toteable version only), Telescoping Tote Handle (toteable version only)	N/A





COMPREHENSIVE SHOCK & VIBRATION PROTECTION

Loadmaster® Rackmount Cases provide excellent shock & vibration protection for electronic equipment of all types. TSC composite materials are very rigid under heavy stacking loads and are extremely resilient during impacts. Approximately one third of all impact energy is absorbed by deflection of the TSC enclosure walls before impact forces are transferred to the shock mounts.

THE ULTIMATE COMPOSITE CASE MATERIAL

Rackmount cases are manufactured from incredibly strong TSC composite. Using compression molding presses up to 1,200-tons in capacity, ECS manufactures these cases of the same composite material used for car bumpers and military truck components. TSC case shells provide extraordinary impact resistance and rugged durability at temperatures which exceed a range of -65° F to 185° F.

TOTAL PROTECTION FROM THE WORLD'S HARSHTEST CONDITIONS

Our cases are watertight TSC providing protection from moisture, salt spray, sand, and dust throughout the world's climate extremes. Impervious to fuels, oils, and solvents, they can also be decontaminated if exposed to chemical warfare agents.

EQUIPMENT RACKS

Shock mounted interior racks are manufactured from precision machined aluminum extrusions. Riveted aluminum vertical rails on these 9.5" racks provide multiple equipment mounting capabilities. Racks have equipment mounting holes in front and rear vertical members and interior vertical rails for attachment of slides and brackets. Two rackmount fastener types are available - Thread locking 10-32 clip nuts or stainless-steel nut bars with 10-32 tapped holes.

SHOCK MOUNTED EQUIPMENT PROTECTION

9.5" racks are suspended within the center bodies of rackmount cases using elastomeric shock mounts. Shock mounts are configured for the weight and center of gravity of the installed equipment. Optional shock mount configurations and spring rates can be provided to support a broad range of equipment weights and equipment centers-of-gravity.

UNRESTRICTED EQUIPMENT OPERATION

Cases are stackable with cover installed or removed. With covers removed, electronic equipment is accessible front and back for ease of cabling and operation. Exterior stacking features securely engage and shifting of cases. Optional case-to-case pivot stacking latches are available to secure stacked cases together and rotate for retention during case shipment.

HIGH PERFORMANCE HARDWARE

All hardware is recessed for maximum protection. Latches, custom brackets, and rivets are stainless steel. Ergonomic acetal copolymer handles with UV inhibitor have comparable strength to steel at half the weight. An automatic air pressure relief valve protects the case and enclosed electronic equipment from rapid compression and decompression during transportation.

TSC HALF RACK CASES STACK WITH LOADMASTER® STORAGE CASES

Loadmaster® Half Rack Cases have the Loadmaster® patented stacking features. These features allow rackmount cases to stack together and interlock with standard ECS Loadmaster® Shipping Cases and storage cases. Set-up of military electronic systems has never been easier or more secure. Warehouse storage or palletized shipment of rackmount cases and transit cases has never been safer or



COLOR OPTIONS

ECS Half Rack Cases are available in military colors, desert tan, black, olive drab and gray.

TESTING INCLUDING BUT NOT LIMITED TO REQUIREMENTS LISTED BELOW IN ACCORDANCE WITH **MIL-STD-810H**

- HIGH / LOW TEMPERATURE
- DROP TESTING
- VIBRATION
- LOOSE CARGO BOUNCE
- WATER SUBMERSION
- FUNGUS GROWTH
- LOW PRESSURE

