

About CP Cases

CP Cases designs and manufactures high-performance, protective cases and racks used for transport, operation and storage of essential equipment in commercial and military applications.

Many of our products are accredited to MIL-STD-810, rated IP65 and carry NATO stock numbers. We have more than 50 years' expertise in producing cases, 19-inch rack solutions and rugged textile products. Our unparalleled range of in-house skills and knowledge of materials and processes includes rotationally moulded products, plastic fabrication, aluminium, laminated plywood, HPP, textiles and CNC foam machining.

Full Engineering Capability Statement available on request.

Distributed by



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RCZ Mini Rack[®]

cp**cases**

- **Ultra-lightweight shock mounted 19" aluminium rack**
- **Small footprint designed to fit into very confined spaces**
- **Designed and built to MIL STD 810G specifications**
- **Accredited to MIL STD 167-1A (Shipboard Vibration)**
- **Patent Pending**



RCZ Mini Rack®

The RCZ Mini Rack® is an exceptionally strong and lightweight rack with an internally suspended chassis, designed to protect 19" electronics, including rack mount servers and other electronics when on the move.

What marks it out is its incredibly small size, coupled with its very low mass, weighing in at >25% lighter than equivalent competitors, while retaining immense strength and rigidity.

It optimises internal space with Polycal wire rope mounts (WRMs) to enable anti-vibration sway space within an incredibly small external size envelope for either full or half 19" rack sizing. It is available with U heights from 2U to 8U and a range of chassis depths from 350mm to 740mm.

The rimfold lid sealing design (proven in numerous military applications) and the innovative use of Polycal wire rope mounts, together offer a winning combination to ensure protection from shock, drop, vibration, driving rain (IP66), EMC interference and rapid decompression.

RCZ Mini Racks® can be stacked together and linked to ensure a secure multi rack stack. Stowage pouches are available as a snap fit in the lids. Removable lids front and rear are fully detachable and secured by quick release cam operated latches.

RCZ Mini Rack® features

Low weight

- Ultra-low weight; >25% lower in weight than competitors

Space optimisation

- Incredibly small external size envelope – whilst maintaining adequate sway space to meet vibration profiles
- Available in both full 19" and half 19" rack versions
- U heights from 2U to 8U
- 4 x standard chassis depths – 350mm / 480mm / 610mm / 740mm (custom depths also available)
- Able to multi stack (rack on rack) and securely interlock together with quick release captive threaded thumb screws
- Stowage pouches are available as a snap fit in the lids

Payload protection

- Innovative crush fold 19" suspended chassis minimises vibration and drop shock, while providing immense strength and rigidity
- Options on Polycal WRMs allow varying payload weights to be 'tuned' to optimise performance and meet MIL STD 810G criteria for vibration, drop and shock
- Unique RCZ rimfold male / female lid seal design ensures repeating and positive lid location whilst providing a weatherproof (IP66) seal
- Hi-Bypass breathing membrane provides for internal / external air pressure differences and complies with MIL STD 810 altitude tests. (EMC variant available)

Customisation options

- EMC variant available – incorporating nickel filled silicon gaskets for 'metal to metal' conductivity
- Surface coatings and paint finish options for commercial and military applications (including IRR & CARC)
- Abrasive resistant made-to-measure padded covers available (including customer branding)

