



Engineered For Any Destination™



## ConQuest Case® RACKMOUNT CASE FEATURES

### High Strength Aluminum Case Shell

- All Aluminum Construction: Made from 0.090 in. thick, 5052-H32 aluminum
- External Ribs: Increase case rigidity and protect case hardware
- Internal Load Spreaders: Increase case rigidity and prevent distortion
- Heavy-Payload-Ready: No additional reinforcement required for payloads up to 500 lbs.
- Patented Valance System: Impact's patented high strength square tubular valance and corner lug system (U.S. patent 8,002,490) is the strongest in the industry. Impact's exclusive investment cast valance corner lugs are designed to take punishment without splitting or separation.
- Best-in-Class Strength: With both lids removed, ConQuest™ rackmount cases will NOT bow, warp or sag with heavy payloads or heavy superimposed (stacked) loads. ConQuest™ cases maintain their shape under stress and lids always fit effortlessly.



### Case Shell - Powder Coat Finish

ConQuest™ rackmount cases are supplied with a durable, textured powder coat finish. The standard case shell finish is textured black. Standard textured colours include: Black, Blue, Graphite, Green and Red. Custom colours and textures are available (surcharge may be applicable)



### Riveted Construction

ConQuest™ cases are fabricated aluminum cases using a proprietary formed panel joint system and riveted construction. Key benefits of this construction are:

- No edge extrusion to be torn off – the Archille's heel of laminated plywood road cases
- Edges won't crack or split upon direct impact



### High Strength Case Hardware

ConQuest™ cases are supplied with premium grade, high strength, latches, handles and low profile triangular corners.



### Internal Lid Hangers

Exclusive to ConQuest™ and Target™ Military rackmount cases (with permanent or removable casters). The internal lid hangers support the lids in place during latching & unlatching, allowing a single technician to install / remove lids without assistance.



## ConQuest Case® RACKMOUNT CASE FEATURES cont'd

### External Lid Hangers

The external lid hangers allow the lids to be hung on the case sides (while the case is open).

### Wear Resistant, Stackable Skid Pad System

Machined HDPE skid and stacking alignment pads allow ConQuest™ rackmount cases to be dragged over rough terrain without damaging the case shell. The stacking design allows for same depth cases to be securely stacked.

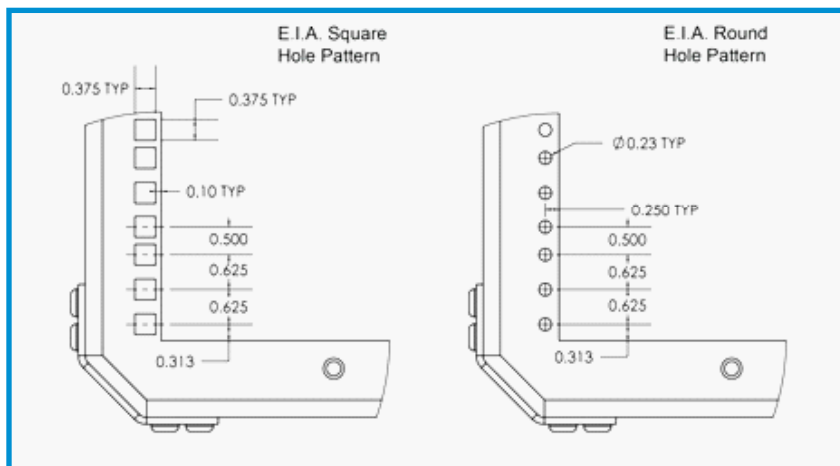
### Ultra-Strength Rack Frame Design

ConQuest™ rack frames are designed for strength under high stress conditions. Each ConQuest™ rack frame has the following features:

- Front & Rear Frames: Single piece construction  
Formed & welded "U" channel design offers increased frame rigidity
- Lock-Bolt Assembled: Most secure rack assembly available  
Rack frame will NOT loosen over time

### Hole Pattern

ConQuest™ and Target™ Military rackmount cases are available with the E.I.A. round or square hole patterns. Rackmount cases having the E.I.A. round hole pattern are supplied with clip nuts. CAGE nuts are supplied with cases having the E.I.A. square hole pattern.





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## ConQuest Case® RACKMOUNT CASE FEATURES cont'd

### Rack Frame - Materials

ConQuest™ and Target™ Military rack frames are constructed using only premium materials and finishes:

Payload Wt (lbs.)	Rack Frame Material	Rack Frame Finish
20 - 49	0.125 in. thick 5052-H32 aluminum	Clear satin anodize
50 - 99	0.125 in. thick 5052-H32 aluminum	Clear satin anodize
100 - 170	0.125 in. thick 5052-H32 aluminum	Clear satin anodize
171 - 249	0.125 in. thick 5052-H32 aluminum	Clear satin anodize
250 - 349	0.125 in. thick 5052-H32 aluminum	Clear satin anodize
350 - 500	11 gauge cold rolled steel (CRS)	Zinc dichromate plate

### Shock / Vibration Isolation

ConQuest™ and Target™ Military rack frames are installed onto elastomer isolators systems, offering omni-directional shock and vibration attenuation.

Payload Wt (lbs.)	Isolator Configuration	Isolator Quantity
20 - 49	SHOCKSET-A	8
50 - 99	SHOCKSET-B	8
100 - 170	SHOCKSET-C	8
171 - 250	SHOCKSET-D	16
251 - 350	SHOCKSET-E	16
351 - 500	SHOCKSET-F	24

Custom engineered solutions are always available for applications involving ultra-heavy payload (> 500 lbs.) and special shock / vibration attenuation requirements.