

BLASTTECH SEATING

O C C U P A N T P R O T E C T I O N

JANKEL

PROTECTION IS EVERYTHING

BLASTTECH SEATING

Automatic Weight Adjustment

Patented feature that automatically adjusts the mitigation cartridge for occupant's weight to optimize protection, rather than just protect those who conform to the 50th percentile mass.

Reset Function

Patented reset system that recovers mitigation after the primary event for the secondary (slam-down) event.

Combat Proven

BLASTech seats are in service worldwide regularly attenuating AT mine and IED blast effects.

Key Standard Features

Flexible design, adaptable for any seating requirement. Certified to international safety requirements including FMVSS 207 / 210.



Troop

Light weight seating

Key Features

- Flexible mounting - floor / rear / roof
- Head and shoulder bolsters
- Fold-up seat base
- Fold-forward seat option for storage access

In Service / Designed For

- FV432
- MRAP
- FRES-SV



Crew

Driver / commander seating systems

Key Features

- Adjustability to customer requirement
- Flexible mounting - floor / rear / roof
- Anti-submarine base

In Service / Designed For

- JACKAL & COYOTE
- HMMWV
- MRAP
- LAND ROVER



Air-ride

Engineering and heavy vehicle seats

Key Features

- Improved ride with built-in air ride system
- Adjustability - fore/aft, elevation, 180° rotation
- Custom runners

In Service / Designed For

- JCB HMEE
- JCB 535-95 / 541-70
- PLS
- HET



X-Series

Bespoke engineered seating systems

Features Can Include

- Fold-down back rest
- Substantial elevation (head in / out)
- Turret, side, rear and floor mounted options

In Service / Designed For

- ASV
- STRYKER
- WARRIOR
- CVRT
- ABRAMS



ACCESSORIES

Seat Covers

A range of colors available, including:



Safety Restraints

- 4- or 5-point safety harness with fixed or inertia reel
- Certified to ECE 16 and 'FMVSS'
- 1-second quick release and anti-submerging function

Tibia Protection

Enhances the protection to the occupant's tibias / legs

J-Pad Footpad

- Robust design, with side supports
- Optimized – will only crush near peak load allowed to the tibias, which ensures regular weight can be supported during standard operation

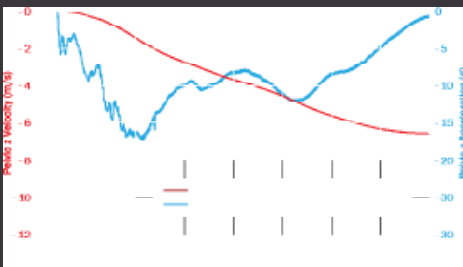
Footrest

- Removes the occupant's contact with vehicle floor
- Flexible and lightweight designs

TESTING

Simulation (FEA Modelling) • Drop Testing • Pull Testing • Blast Testing • User Testing

Sample Test Data



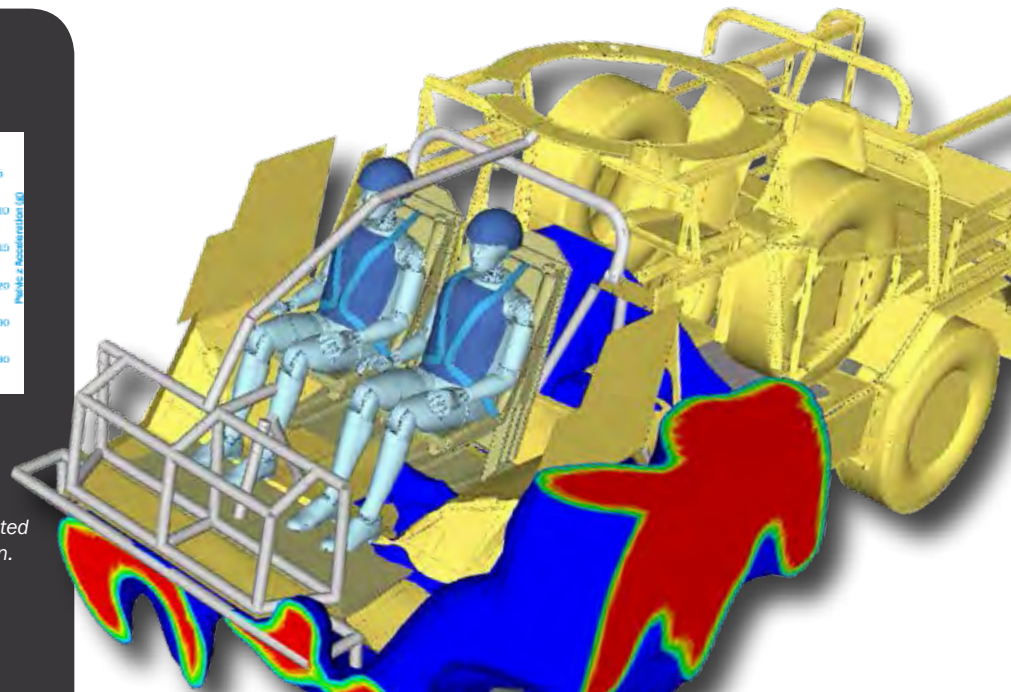
Primary Event

Initial Input Acceleration: 404 G x 4.4 ms
(max. velocity - 8.49 m/s) DRlz: 16.7

The seat was unchanged and immediately re-tested after the primary event to prove the reset function.

Secondary Event

Initial Input Acceleration: 405 G x 4.35 ms
(max. velocity - 8.26 m/s) DRlz: 16.8



MARKET LEADING SEAT TECHNOLOGY

The BLASTech family of products are an affordable, battle-proven and optimized technology from Jankel. Developed to enhance a military platform's protection, BLASTech increases survivability and decreases severity of injury to the seated occupants when the vehicle is subjected to an anti-tank mine or Improvised Explosive Device (IED).

BLASTECH



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