

Austin Designs Safety

SAFETY CONSIDERATIONS

Within the Austin design model for all products high consideration is given regarding the potential for “stored energy” safety hazards to exist and these are eliminated from wherever practical.

Along with the benefit of increased load carrying capacity through body mas reduction the replaceable modular floor reduces this risk significantly as traditionally maintenance intensive liner packages are not required.

ABOUT AUSTIN

All Austin Engineering custom body designs conform to OEM requirements for correct axle splits and gross vehicle weight specifications.

The overall JEC design concept has been protected across the globe with a number of patents pending.



FOR MORE INFORMATION CONTACT

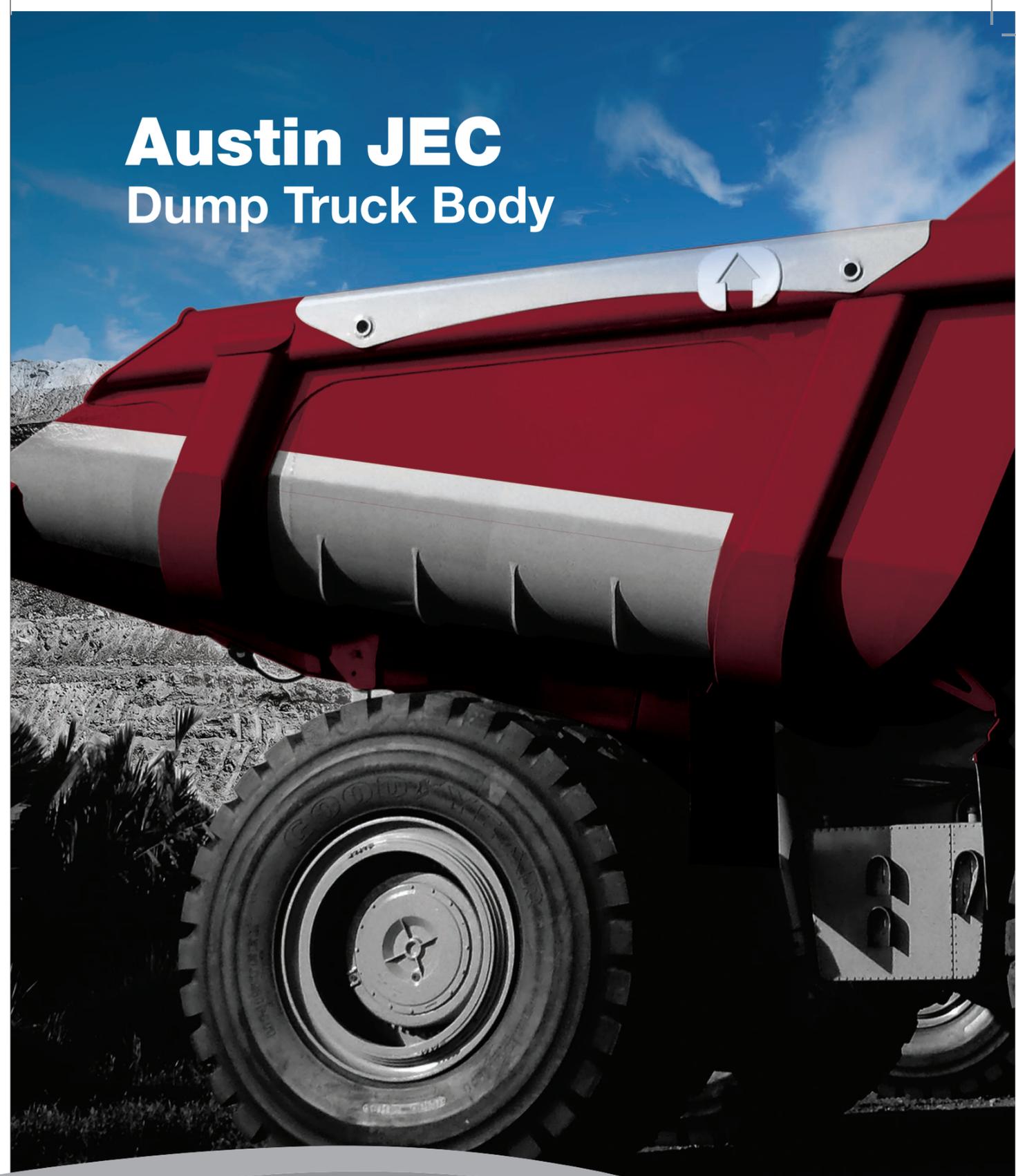
Austin Engineering Ltd

W austineng.com

E enquiry@austineng.com.au

 ASX CODE: ANG

Austin JEC Dump Truck Body



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DESIGN AND INNOVATION

Austin Engineering Ltd is the world's largest non-OEM designer and manufacturer of mining truck bodies. We offer a range of custom truck body designs with our respected brand of WESTECH and our newly developed JEC mining truck body design.



Feature and Benefits

EXTREME DUTY "V" FLOOR DESIGN

- Provides a field proven superior impact and wear resistance in the highest demanding hard rock applications.
- Enhances flow characteristics by funneling loads towards the body centre for reduced wear, improved stability and reduction in dump cycle times.
- Increases overall structural integrity greatly improving fatigue life.

REPLACEABLE FLOOR

- A unique, fully patented modular replaceable floor design providing long term benefits to the end user.
- Eliminates the need for heavy maintenance intensive wear liners therefore maximising payload potential and realising lowest cost per ton solutions through optimal body weight.
- Replacement floor structures are fully customised to suit customer specific applications and provide flexibility for future enhancement in changing mine conditions.
- Delivered as a complete ready to install unit incorporating all structural and ancillary components for quick cost efficient change out.
- All floor assemblies are constructed from the highest quality Q&T plate exceeding 450BHN Hardness for superior wear and impact resistance.

SKELETAL FRAME

- Structurally optimised for fatigue services life ranging from 20000 to 60000 Hours depending on customer specific requirements and mine life.
- Incorporates chassis attachment structures, front wall, canopy base frame and upper sides.
- Unique chassis rail supporting doubler plate design protects critical chassis components through optimal load distribution.
- Heavy duty upper side impact protection to protect from loading tool damage is incorporated in the base design.
- Fully customisable to suit any OEM chassis.

REPLACEABLE CANOPY

- The fully replaceable modular canopy main plate assembly is quickly and easily replaced in the event of impact damage.

CARRY BACK REDUCTION

- Large radius transitions on all internal corner surfaces significantly reduces the potential for carry back.
- The front to back tapered body design enhances the anti-carry back effect and minimises wear over the rear 2/3 internal surface.
- Carry back reduction potential is engineered through cutting edge load simulation software and backed up with proven results in the field.

Patent Pending 2018

