

PRODUCT FOCUS - E-Tab Rivet

The RivetKing® E-Tab Rivet

Industrial Rivet & Fastener Company, Inc, manufacturer of RivetKing® brand permanent fastening products designs, develops and produces blind rivets that are application specific. Often times through product evolution, there comes a need to converge multiple technologies into a single part. The convergence of technologies streamlines the assembly process and reduces part numbers in a single component.

In 2010, Industrial Rivet developed the RivetKing® E-Tab, Rivet a rivet specifically designed for the electronics industry. The UL electrical standards have become more stringent – requiring grounds to nearly all parts of an electrical component, including the case enclosing it. This requires jumper terminals to be custom stamped and screwed or staked in. This process can waste a lot of time – especially when multiple products and specialized installation equipment are required.

CHALLENGE

A manufacturer of batteries required that rivets be installed using standardized blind riveting equipment to create electrical contact between the heavy metal and the acids. An innovative method was developed to combine both stamping technology and blind rivet technology to create a repeatable and measurable installation method.

SOLUTION

RivetKing application engineers developed and designed a special tab blind rivet, which could increase the speed of assembling the components – saving time and money. In addition, by using the design/stamping process, the RivetKing® applications engineers recommended a similar product on a different application to create a grounded jumper. The purpose was to create a low voltage electrical connection to all parts of the assembly. The convergence of two different technologies resulted in a large cost savings through part number reductions and assembly speed. The new design was implemented on multiple applications within the customer's facility.

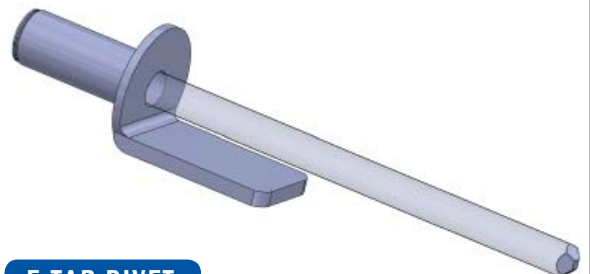
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FEATURES & BENEFITS

- *Conductive plating*
- *Reduced components SKU's*
- *Increased assembly speed*
- *Time and labor saving versus other methods*
- *Ease of use*
- *Performance measurement*
- *High break failures are eliminated*
- *Single stroke application*
- *Reduced blind side clearance (before riveting)*
- *Overall improvement to prior designed product*



E-TAB RIVET

For more information regarding the features, benefits and cost savings that the RivetKing® E-Tab Rivet can provide to your organization, please contact our applications engineering department at 1-800-289-7483 ext. 4120 info@rivet.com

SAMPLES AVAILABLE UPON REQUEST

