

NEW RIVSET® Self-pierce riveting technology

Joining of aluminium cast
with new ring groove die



BÖLLHOFF

RIVSET® Self-pierce riveting technology



RIVSET® self-pierce riveting is a recognised joining method for the mechanical high-strength joining of similar or different types of materials. Also joinings with more than two layers are possible.

RIVSET® Ring groove die

In addition to the combination of steel and aluminium sheets, aluminium cast and extruded aluminium are increasing in components within the modern vehicle body construction.

Due to their mechanical characteristics, cracking can occur in the material on the button side when joined with self-pierce riveting technology with semi-tubular rivets.

The new RIVSET® ring groove die, made by Böllhoff, minimises or eliminates cracking on the button side.

Simultaneously, it increases the interlock and reduces the load of the rivet.

The development



Standard



RIVSET® ring groove die with cup

Your benefits at a glance

- Avoidance/minimisation of cracking on the button side
- Reduced rivet load due to an optional cup
- Increased interlock of the rivet



Fields of application

The RIVSET® ring groove die is made for modern mixed material design in the automotive industry.

It can be used optimally for aluminium cast components, e.g. a suspension strut.

For patent rights we refer to <http://www.boellhoff.com/de-en/support/patents.php>



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