

Application case study:

High performance fastener ticks right boxes for Lotus Elise



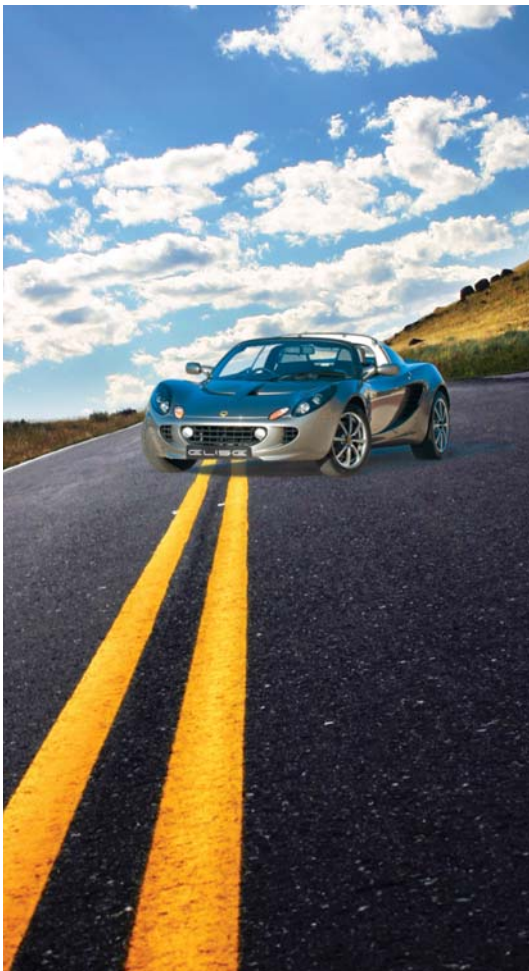
When engineers at Lotus developed the chassis for the highly acclaimed Elise, they needed to source a fastener that was capable of creating a one sided assembly process which would effectively eliminate drilling, punching, and tolerance issues.

EJOT's FDS fastener ticked all the right boxes by providing a proven capability for high quality assembly of thin steel or aluminium sheets, without the need for pre-drilling or punching.

The EJOT® Applitec design team worked to perfect a variation of the FDS fastener capable of joining different metal types, whilst maintaining shear resistant joints.

By Increasing thread engagement in the formed draught, the screw joint is able to transfer both high pull-out force and high shearing strength; absolutely essential for one of the world's best known performance cars.

Beside providing one-sided access and extreme high strength, the fastener is designed to remove easily, especially if application recycling is key.



Features and Benefits

- No punching or drilling necessary
- Removable and high strength screw joints
- One side assembly
- No hole overlap problems
- High shearing and pull-out force