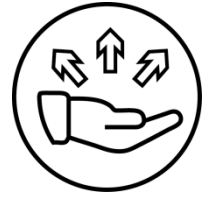


Avseal®

Avseal® - High-Performance Sealing, Efficient Installation

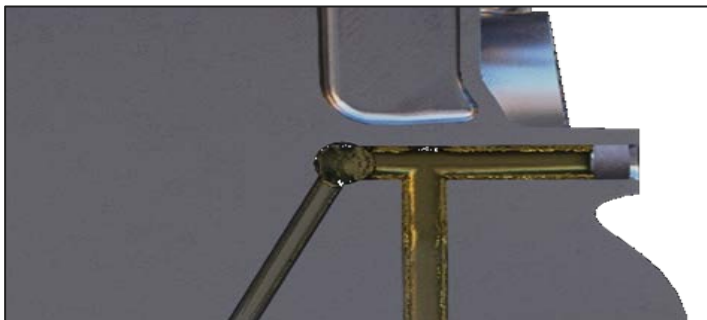
All from
one source



Avseal® Sealing plugs are suitable for fast and safe sealing of boreholes in applications where fluids such as water, oils and gases are used for control, lubrication and thermal management. They significantly improve quality and safety in demanding applications and simplify both borehole preparation and assembly.

The aluminium sleeve expands radially within the bore hole creating a secure seal, but without damaging the internal surface of the component.

The Avseal® setting process is faster and more reliable than other methods. It requires no torque adjustment on mounting tools, no thread generation and offers significant overall cost savings compared to conventional thread plugs.



Specification

Sizes:

Diameter 4 mm to 22 mm

Material:

Plugs: Aluminium

Mandrel: Stahl verzinkt

Pressures:

Up to 1800 bar

Technical cleanliness:

e.g. VDA 19



Typical Applications

Holes in aluminium, cast iron and steel housings:

- Transmissions / Hybrid Transmissions
- Engines
- Actuators
- Thermal management
- Pumps
- Brakes
- Control blocks
- Valves
- Clutches

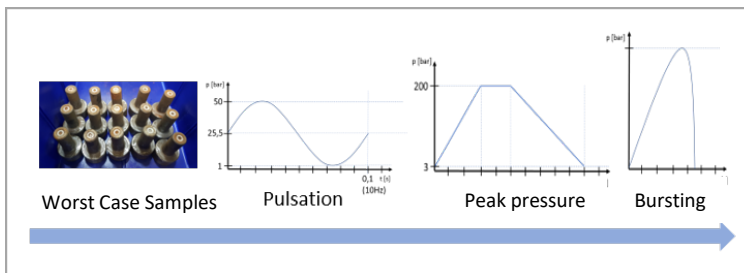
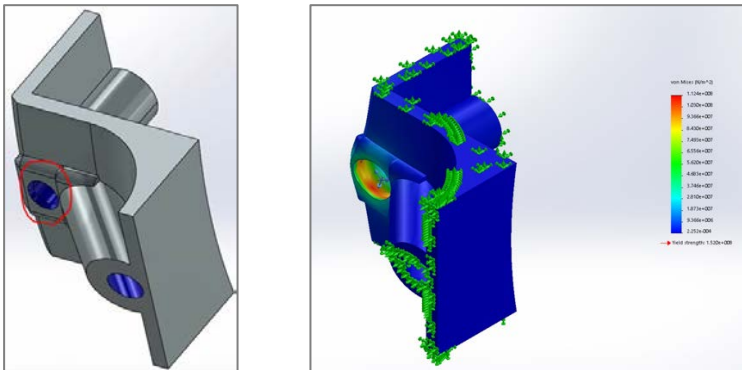
Avseal®

Avseal® - High-Performance Sealing, Efficient Installation



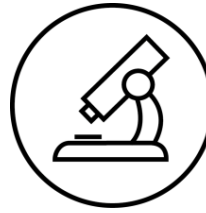
Application engineering

Stanley Engineered Fastening supports users in every way. We help with the selection of the right plug and adapt it to the requirements of the application if necessary. We provide information on borehole design, check the specific accessibility to the setting point and provide advice on plant planning. Static and dynamic leak tests in application-related structures, even under climatic conditions, support the validation of development results.



Test and laboratory capacities

- FEM Analysis
- Accessibility studies
- Leak test, static and dynamic

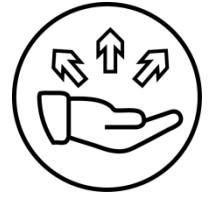


https://www.youtube.com/watch?v=k5VAENFEz_Y

Avseal®

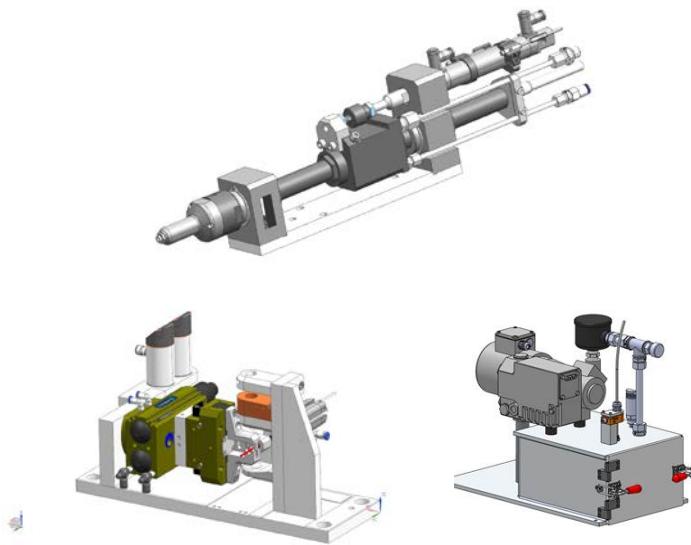
Avseal® - High-Performance Sealing, Efficient Installation

All from
one Source



Equipment technology

Avseal® sealing plugs can be processed manually with handheld devices or automatically. Manual setting devices enable fast and reliable assembly in prototype construction and in small series. The automated processing of Avseal® sealing plugs in high-volume applications is carried out in a safe process with maximum system availability with components from the VIKING device series.



Hand Tools

- ProSet XT
- PB 2500S with process monitoring



Automated Setting with Viking II

- Viking® II Setting heads
- Separation and handover
- Mandrel collection

Optional:

- Step feeder
- Hydraulic pump
- Control unit