

Advanced Capabilities for Customized Vane Seal Solutions



Shaping the Future of Aerospace Sealing Technology

As a leader in engineered polymer solutions, Trelleborg Sealing Solutions continues to drive innovation in the aerospace industry. New vane seal capabilities offer customizable, non-circular shapes for high-performance actuators with high power-to-weight ratios, fewer moving parts, slimmer profiles and extended service life. Our expertise allows us to work shoulder-to-shoulder with you to continually enhance product performance.



Dampers



Actuator Systems:
Rotary and
Rotary Hinge



Vector Controls



Pitch and
Yaw Controls



Flight
Controls



Engine
Controls

CUSTOMIZABLE NON-CIRCULAR SHAPES

High-efficiency, ultra-tight designs for enhanced leakage performance and low hysteresis

STREAMLINED DESIGNS

Advanced low-friction solutions require fewer assembled components, reducing weight and complexity while providing easier installation

SPACE OPTIMIZATION

Reduced size to meet today's demands for slimmer profiles

HIGH WEAR RESISTANCE

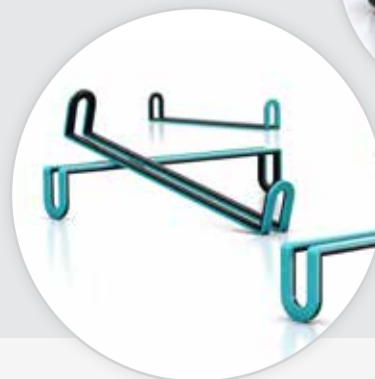
Provides longer service life and reduced maintenance costs

UNIQUE MANUFACTURING TECHNIQUES

Include 3D printing, stamping and milling processes

EXTREME PERFORMANCE

Capable of operating under high pressure, within a wide temperature range and at high speeds up to 15 meters / 49 feet per second



Why Trelleborg Sealing Solutions

With manufacturing and engineering resources in over 40 countries, Trelleborg Sealing Solutions offers the unrivalled ability to provide product development expertise and value-added services with a global reach.

- Advanced delivery programs with global stock holding, customized handling and special packaging services
- Engineering expertise from prototype development to market rollout
- Evaluation of application performance through pressure testing and chemical resistance profiling
- Finite element analysis (FEA) for market leading non-linear analysis
- Manufacturing capabilities with custom solution development



Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative engineered solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has local presence in over 40 countries around the world.



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