**Press Release For immediate release**

**Trelleborg Enhances its Aerospace Portfolio with New PU Scraper**

Trelleborg Sealing Solutions launches its new Zurcon® Excluder® ESA hydraulic scraper, to prevent the ingress of contaminants into aerospace landing gear shock absorbers. The unique scraper design combines optimal scraping performance with advanced wear resistance, to extend the life of the shock absorbers.

Trelleborg’s Zurcon® Excluder® ESA features an energized elastomer O-Ring, which ensures effective scraping performance when the scraper experiences side loads at both low and high temperatures. Additionally, the O-Ring makes the Zurcon® Excluder® ESA easier to install into closed gland positions than traditional metal spring energized scrapers. Specified in a range of elastomer materials, the O-Ring can be compatibility matched to the specific media used in the application.

Marc Flageole, Project Engineer at Trelleborg Sealing Solutions Aerospace, says: “The launch of the new Zurcon® Excluder® ESA scraper ensures we have a fully rounded sealing portfolio for aerospace landing gear shock absorption applications. The scraper design uses standard sizes to fit existing hardware designs commonly used in aircraft landing gear shock absorbers. This simplifies seal specification and ensures easy installation into common size closed glands.”

The unique design of the Zurcon® Excluder® ESA scraper includes a 90-degree lip to maximize performance and prevent the ingress of contaminants into the lower bearing of the shock strut. An angled outer diameter sealing lip enables a secure fit into the scraper gland and facilitates easier assembly. The Zurcon® ESA jacket structure features an extended heel to stabilize the seal during operation, and a rounded outer diameter corner to match the groove corner radius to prevent distortion.

Manufactured from Trelleborg’s abrasion-resistant Zurcon® polyurethane (PU) material, the Zurcon® Excluder® ESA demonstrates extended service life. This material is compatible with a wide range of common hydraulic fluids, as well as deicers and cleaning fluids typically found in landing gear shock absorbers. The Zurcon® Excluder® ESA is operational through a temperature range of -54 oC to +107 oC / -65 oF to +225 oF, in high-altitude and high-pressure conditions.

Trelleborg will showcase its new Zurcon® Excluder® ESA scraper at Farnborough International Airshow in Farnborough, England, on stand number 41145, July 18 to 22, 2022. During the five-day event, attendees can also learn about Trelleborg’s specialist sealing technologies for cabins and interiors, airframes and structures, energy management systems, propulsion, controls, and actuation, with technical experts on hand to discuss individual application requirements.

To find out more about Trelleborg’s solutions for aerospace, and download a brochure on Zurcon® Excluder® ESA, go to: <https://www.trelleborg.com/en/seals/your-industry/aerospace>

**About Farnborough International Airshow**

Held over five days, visitors will get the opportunity to discover the latest pioneering technology and engineering, announce historic partnerships, build connections and work towards the cumulative sustainable aerospace vision as an industry. <https://www.farnboroughairshow.com/>

**ENDS**

**For more information, please contact:**
Sophie Hudson
Tel: +44 (0) 7817 093930
Email: sophie.hudson@trelleborg.com

**About Trelleborg Sealing Solutions and Trelleborg Group**

***Trelleborg Sealing Solutions*** *is one of the world’s leading developers, manufacturers and suppliers of precision seals, bearings and custom-molded polymer components. It focuses on meeting the most demanding needs of aerospace, automotive and general industrial customers. Its network extends to over 25 production facilities and more than 50 Customer Solution Centers globally. The business area accelerates the progress of its customers through outstanding local support, an unrivalled product range including patented products and proprietary materials, a portfolio of established brands, unique process offerings, its ServicePLUS value chain solution and ‘Ease of Doing Business’ philosophy.*[*www.trelleborg.com*](http://www.trelleborg.com)*/seals*

***Trelleborg*** *is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has annual sales of about SEK 34 billion (EUR 3.34 billion, USD 3.95 billion) and operations in about 50 countries. The Group comprises three business areas: Trelleborg Industrial Solutions, Trelleborg Sealing Solutions and Trelleborg Wheel Systems. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on Nasdaq Stockholm, Large Cap.* [*www.trelleborg.com*](http://www.trelleborg.com)*.*