High-quality materials stand up to environmental impact

**Safely to the runway with Halder's Bypass Pin Kit**

Scores of different versions for Airbus and Boeing available from stock

**So-called steering pins are key components for the ground support at airports as they allow aircraft towing tractors to safely push the aircraft onto the runway after it has push back from the gate. With their new bypass kits, Erwin Halder KG now provides the ground crew with high-quality helpers that are sure to perform in all kinds of weather. Better yet, the experts from Achstetten-Bronnen are able to deliver the kits extra fast from stock and for a wide variety of aircraft models.**

Rain or shine - aircraft take off in nearly all kinds of weather conditions. Naturally, this type of weather resistance is not possible unless all parts, tools and aids used are also fortified against a wide range of environmental impact. This applies in particular to the steering pins, which are inserted into the steering axle of the aircraft to allow for its pushback from the gate. Deactivating the aircraft’s steering hydraulics, these pins ensure that the tractor can safely move the aircraft to the runway. “This is why we use only materials of the highest quality for manufacturing the individual components that make up our bypass pin kits. This guarantees that they will stand firm against all kinds of adverse weather conditions”, explains Benedikt Uhl from the aviation sales department at Erwin Halder KG.

The bypass pint kits made by Halder consist of a ball lock pin - the actual steering pin, a retaining cable and a red warning streamer with the text “Remove before flight (RBF Flag). The ball lock pin along with the retaining cable and the key rings are made from stainless steel. In addition, the cable is encased with ecru-coloured plastic. This makes the components perfectly protected against all types of impact and also extra durable. In compliance with all standards, the streamers are made from nylon fibres. The red colour coating has its share in providing for perfect safety and adds the signalling effect necessary to ensure the pins are removed in time.

“At the core of our bypass pin kits are our ball lock pins. Their exceptional ease of use makes them an excellent choice for connections that need to be undone frequently - e.g. during ground support and aircraft maintenance. A press of the knob is all it takes to unlock the balls at the bottom end of the pin and allow the pin to be inserted into or removed from a bore hole. When the user releases the knob, the balls lock into place by themselves. As simple as ingenious”, rejoices Benedikt Uhl.

Halder's standard product portfolio comprises bypass pin kits for Airbus aircraft A318 through A380 and Boeing models B737 through B787. Users can pair the ball lock pins with a button handle or a T-handle. Small quantities are available immediately from stock. Better yet, Halder can also procure larger quantities quickly as they keep all components in stock. Additional kits for other types of aircraft and other manufacturers are available on request and with short delivery times.

Additional information:

Erwin Halder KG

Erwin-Halder-Str. 5-9

88480 Achstetten-Bronnen

Germany

Benedikt Uhl

Tel.: +49 7392 7009-187

Fax: +49 7392 7009-160

aviation@halder.de

www.halder.com

Note to the editorial staff:

Text and photos can be requested from KSKOMM,

Tel.: +49 2623 900780,

E-mail: ks@kskomm.de,

as files.

Photo 1: To ensure their bypass pin kits stand up to all kinds of weather conditions, Halder manufactures all components exclusively from premium materials. The centrepieces are the ball lock pins - combined either with a button handle …

Photo 2: … or with a T-handle.

Photos: Erwin Halder KG

Product ID no.:508\_7400

Pages: 4

Number of characters: 4973

Released for publication until:

**About Erwin Halder KG**

In 1938, Erwin Halder began production of the SIMPLEX soft-face mallet, laying the foundation for the success the company is enjoying around the world today with branches in Germany, France, Slovenia, South Korea, Japan and the United States. At the head office in Achstetten-Bronnen alone the company employs a staff of more than 200, while the global workforce has reached nearly 400. The fate of Erwin Halder KG is currently controlled in the third generation by Stefan Halder. Family-owned and operated, the company attaches supreme importance to peerless quality in all of their product segments. The company is in full control of the entire process chain – from development to production to global distribution.

Apart from soft-face mallets and forestry tools, Halder also produces and sells high-precision standard parts, modular fixture systems for clamping workpieces as well as aviation products. Conforming to DIN/ISO and factory standards, the product selection comprises roughly 12,000 standard parts including machine and fixture components, clamping elements, operating elements and machine elements. What is more, Erwin Halder KG is certified for production in compliance with aviation industry standards according to EN 9100:2016. Since 2013, the company has been certified by the German Federal Aviation Administration (according EASA Part 21G) as a manufacturer of approved products. The company's global clientele includes both local craftsmen and corporations operating in the high-tech industry. In addition to offering a standard selection, the company also possesses the expertise and experience necessary to tailor customised solutions to their customers’ specific needs.

Learn more about Erwin Halder KG

at www.halder.com/de and follow us

on Facebook at www.facebook.com/HalderNormteile/ and

www.facebook.com/HalderHandwerkzeuge/

on LinkedIn at linkedin.com/company/erwin-halder-kg

on XING at www.xing.com/companies/erwinhalderkg

on YouTube at www.youtube.com/channel/UC5h\_MbtpB4gOfI7T2lxq77w

on Instagram at https://www.instagram.com/haldertools/

Press contact:

KSKOMM GmbH & Co. KG

Jahnstraße 13

56235 Ransbach-Baumbach

Germany

Tel.: +49 2623 900780

Fax: +49 2623 900778

E-mail: ks@kskomm.de

URL: www.kskomm.de