

## Instruction Sheet IM-309: Stud Stretch Measurement Gage

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Revision Letter	Effective Date	Description
D	Dec 11, 2024	Added GT-10763 Stud Stretch Measurement Gage
C	Jan 26, 2022	Added EC Declaration of Conformity and UKCA Declaration of Conformity
B	February 17, 2014	Renamed tooling and title for clarity.
A		Add GE Applique & Doc #, Add cover page



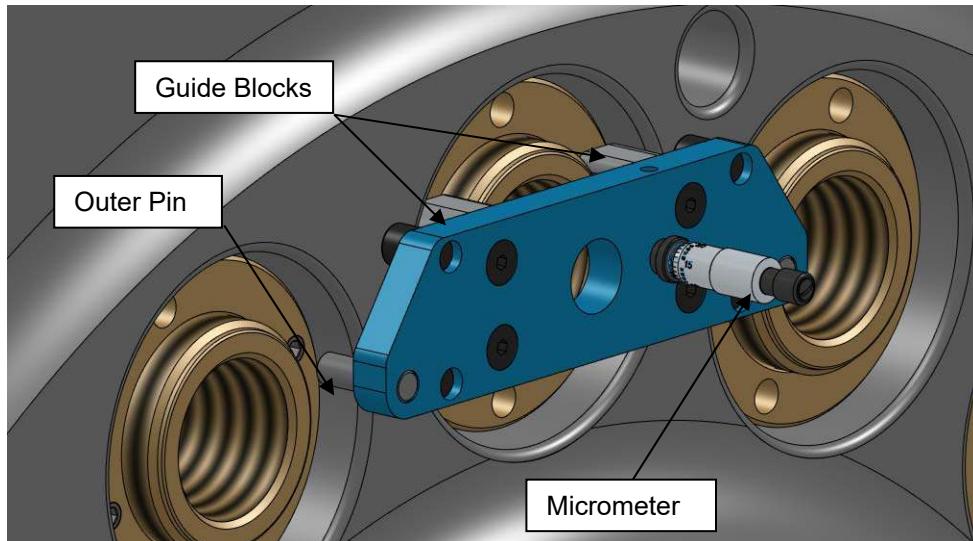
## Instruction Sheet IM-309: Stud Stretch Measurement Gage

Stud installation gage GT-6030 and GT-10763 are tools for measuring stud displacement during tensioning on applicable flanges. Consult the Riverhawk instruction manual for your particular flange connection to determine if either GT-6030 or GT-10763 is the correct tool for your application. Riverhawk manuals can be found at [www.riverhawk.com](http://www.riverhawk.com).

**Warning – Failure to properly measure stud can lead to improperly tensioned hardware and ultimately to failure of the connected joint and associated equipment.**

To take a measurement –

1. Back off micrometer by un-screwing the knurled handle so that the tip will not touch the stud face
2. Insert the gage over the stud as shown. The guide blocks will fit into the counterbore around the stud. The outer pins will fit into the adjacent counterbores to help align the gage. The gage will only fit one way.
3. Hold the gage firmly against the flange with one hand and turn the micrometer with the other until the tip contacts the face of the stud.
4. Read the measurement on the micrometer and record the measurement per the instruction manual. Actual stud displacement will be the difference between readings before and after tensioning.



Note: This tool comes equipped with a micrometer that has been factory calibrated and is certified as such. It is the responsibility of the user to implement periodic re-calibration based on their quality system requirements.

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## Appendix A1

### EC Declaration of Conformity

Manufacturer: Riverhawk Company  
Address: 215 Clinton Road  
New Hartford, NY 13413, USA

The hydraulic pump and bolt tensioning tool described in this manual are used for installing and applying tension to large bolts that are specifically designed by Riverhawk Company to be tensioned hydraulically.

All applicable sections of European Directive 2006/42/EC for machinery have been applied and fulfilled in the design and manufacture of the hydraulic pump and bolt tensioning tool described in this manual. Reference also ISO 12100:2010, ISO 4413:2010, and ISO 4414:2010.

Furthermore, this equipment has been manufactured under the Riverhawk quality system per EN ISO 9001:2015

Consult the Declaration of Conformance included with the shipment of this equipment that identifies the authorized Riverhawk representative, applicable serial numbers, and appropriate signature.



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## Appendix A2

### UKCA Declaration of Conformity

Manufacturer: Riverhawk Company  
Address: 215 Clinton Road  
New Hartford, NY 13413, USA

The hydraulic pump and bolt tensioning tool described in this manual are used for installing and applying tension to large bolts that are specifically designed by Riverhawk Company to be tensioned hydraulically.

All applicable sections of Supply of Machinery (Safety) 2008 have been applied and fulfilled in the design and manufacture of the hydraulic pump and bolt tensioning tool described in this manual. Reference also ISO 12100:2010, ISO 4413:2010, and ISO 4414:2010.

Furthermore, this equipment has been manufactured under the Riverhawk quality system per EN ISO 9001:2015

Consult the Declaration of Conformance included with the shipment of this equipment that identifies the authorized Riverhawk representative, applicable serial numbers, and appropriate signature.



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