



Joint Kits

Essential accessory for accurate offline testing of assembly tools

The performance of an assembly tool used in product assembly is highly dependent on the conditions of the actual fastener or 'joint' on which it is used. As defined by ISO 5393, there can also be a different torque level delivered by the same tool when applied to a soft or hard joint. It is therefore essential that in the testing and setup of assembly tools to allow for the variety of conditions which the tool will experience on the job.

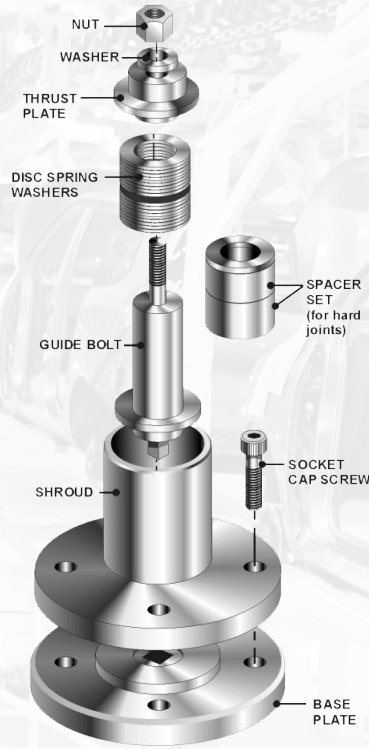
Crane's joint kits satisfy this requirement by utilising a bolt and suitably configured disc washers, allowing free running of the bolt and a subsequent torque gradient to closely match the production joint condition.

Two versions are available; Transducer Top joint kits are used in conjunction with stationary transducers, while Table Top joint kits are used with rotary torque transducers. The latter can be fixed to a workbench and are particularly suitable for offline testing of impulse tools. Both versions incorporate a selection of disc washers and spacers that may be configured to simulate various soft and hard joint conditions.

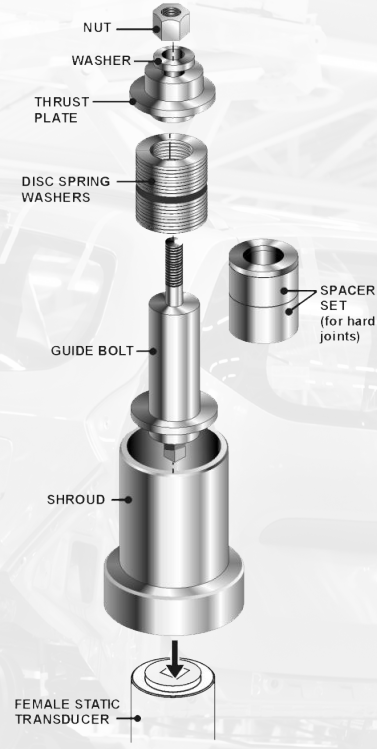
Key Features

- Represent assembly and production fastener and joint conditions off the production line
- Joint kits can be adjusted to include joint conditions specified by the ISO 5393
- Adjustable disc washers that can be configured to replicate either hard or soft joint conditions
- Allows free running of bolt before torque gradient
- Major benefit to accurate tool testing and setup
- Used in combination with stationary/static torque transducers or our CheckStar Multi rotary torque transducers.

Table Top Joint Kit



Transducer Top Joint Kit



| Product Code | Range |
|--------------------|---------------------------------------|
| JK-874-06CR-28-0 | Transducer Top Joint Kit 1/4" |
| JK-874-07CR-135-0 | Transducer Top Joint Kit 3/8" |
| JK-874-08CR-271-0 | Transducer Top Joint Kit 1/2" |
| JK-874-09CR-1017-0 | Transducer Top Joint Kit 3/4" |
| JK-874-10CR-1695-0 | Transducer Top Joint Kit 1" |
| JK-875-06CR-28-0 | Table Top Joint Kit 1/4" |
| JK-875-07CR-135-0 | Table Top Joint Kit 3/8" |
| JK-875-08CR-271-0 | Table Top Joint Kit 1/2" |
| JK-875-09CR-1017-0 | Table Top Joint Kit 3/4" |
| JK-875-10CR-1695-0 | Table Top Joint Kit 1" |
| JK-874-13CR-0-0 | 1/4" Bolt Kit - Guide Bolt & Nut only |
| JK-874-14CR-0-0 | 3/8" Bolt Kit - Guide Bolt & Nut only |
| JK-874-15CR-0-0 | 1/2" Bolt Kit - Guide Bolt & Nut only |
| JK-874-16CR-0-0 | 3/4" Bolt Kit - Guide Bolt & Nut only |
| JK-874-17CR-0-0 | 1" Bolt Kit - Guide Bolt & Nut only |

Technical Specification

- Operation:** Ensure that you grease the threads before fitting the nut.
- Maintenance:** You must ensure that the joint kits threads are kept lubricated for accurate operation.
NOTE: For greasing the threads, a Moly based, high temperature, high impact K48 type grease should be used, and a suitable solvent for cleaning - i.e. a trichloroethylene based solvent or substitute. (Crane recommends an industrial rapid drying spray cleaner.) Threads should be cleaned and greased every 50-100 cycles. Eventually the bolt and nut threads will wear and these will require replacement. Use only official Crane replacement parts.
- Warranty:** 12 months parts and labour against faulty workmanship or materials.

For pricing, availability or further technical information about our Table Top and Transducer Top joint kits, please contact us online at www.crane-electronics.com or alternatively, email us at sales@crane-electronics.com.



Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY
USA - 1260 11th Street West, Milan, Illinois 61264, USA
Germany - Im Rank 5, 73655 Plüderhausen, Germany

