

Joint Simulators – Female Joint-Kits



Can be used on static torque transducer



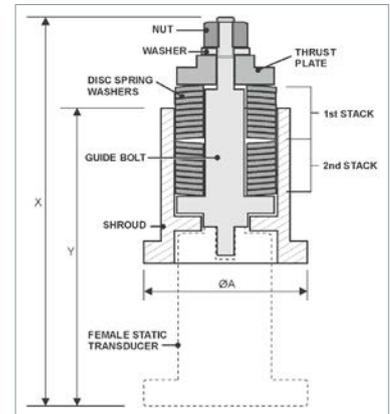
Soft to hard joint representation

The performance of an assembly tool is highly dependent on the conditions of the actual production joint on which it is used. Tooling engineers are well aware of the “mean shift” term used to describe the different torque delivered by the same tool when applied to a soft or a hard joint as defined by ISO 5393. It is therefore essential in testing and setting up tools off the production line to allow for the joint conditions which the tool will experience on the job.

Crane’s joint kits satisfy this requirement by using 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.

Transducer Top Joint Kits are used in combination with Stationary torque transducers. Recommended for accurate off-line testing of continuous drive power tools, e.g. screwdrivers and angle nutrunners.

- ▶ Used in combination with stationary torque transducers
- ▶ Represent production joint conditions off the production line.
- ▶ Can be adjusted to include joint conditions specified by ISO 5393.
- ▶ Allows free running of bolt before torque gradient.
- ▶ Major benefit to accurate tool test and set-up.



Female Joint-Kits

Model	Item No.	Size inch	Maximum Torque Load (soft → medium → hard)				Ø mm	Nut mm	Bolt mm
			N-m	N-m	N-m	N-m			
JK-874-06CR-28-0	C718151	1/4	5.6	13.6	21.5	28.25	100	13	M8
JK-874-07CR-135-0	C718152	3/8	67.8	120	100	100	100	19	M12
JK-874-08CR-271-0	C718153	1/2	135.6	220	271	271	100	24	M16
JK-874-09CR-1017-0	C718154	3/4	460	830	775	1017	150	36	M24
JK-874-10CR-1695-0	C718156	1	847	1600	1400	1695	150	46	M30

Replacement Parts

Size	Bolt Kit	Thrust Plate	Spacer Set	Disk Spring Washers	Hard Washer	Shroud
1/4	C718183	C718221	C718230	C718224 (x24)	C718227	C718233
3/8	C718184	C718222	C718231	C718225 (x18)	C718228	C718234
1/2	C718185	C718223	C718232	C718226 (x18)	C718229	C718235
3/4	C718186	C718242	C718243	C718244 (x20)	C718245	C718246
1	C718187	1401414	1401415	1401419 (x10)	1401509	1403812

Other spare parts available on request as required.

