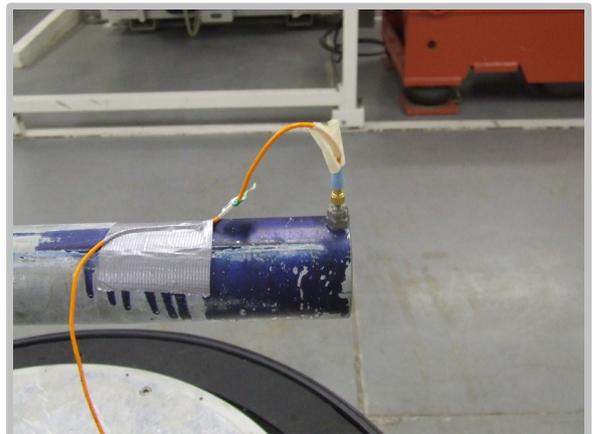
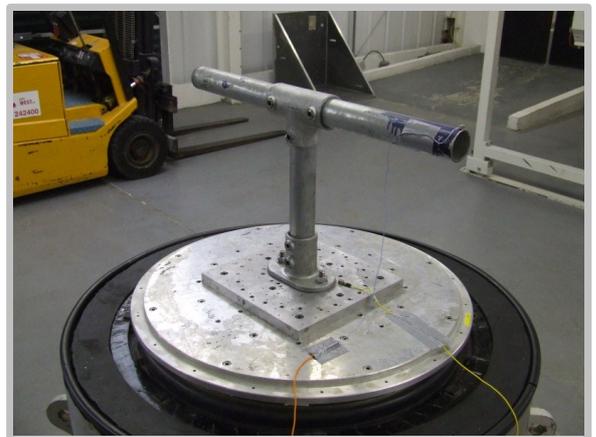
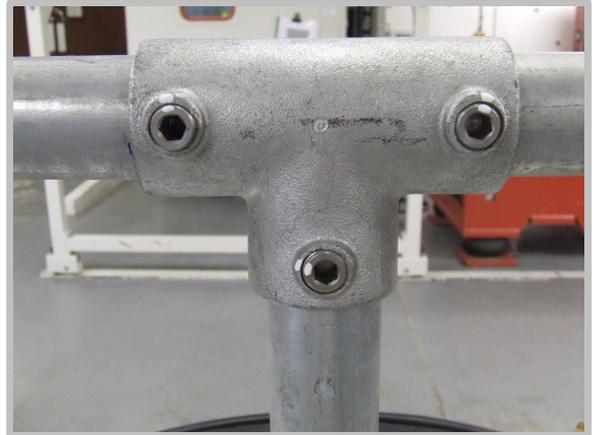


In order to evaluate the vibration resistance of the standard Interclamp setscrews, stringent vibration endurance tests have been conducted by a UKAS accredited independent test laboratory. Three 300mm lengths of 1 ½" nominal bore galvanised medium weight tube to BS EN 10255 (formerly BS1387) were fitted into an Interclamp 104-D48 Long Tee to form a "Tee" section. The vertical element of the test section was then supported in a 132-D48 Railing Base Flange, which in turn was then rigidly attached to the test rig. All setscrews were tightened to the recommended torque of 40 N m and each setscrew and boss was marked, in order that a visual check for any movement of the setscrews could be monitored.

For each axis, the Interclamp assembly was then subjected to a rigorous resonance search, generally in accordance with BS EN 60068-2-6. Once the resonances had been identified, an endurance dwell test of six hours at an acceleration of 4g was conducted at each resonance on the relevant axis, again generally in accordance with BS EN 60068-2-6. In total, seven resonance endurance tests were carried out, each of six hours duration, plus an additional six hour swept endurance test between the frequencies of 74Hz and 87Hz on one axis.

After each resonance endurance dwell, the setscrews were visually checked for any movement. Throughout the whole test programme, there was no evidence of any loosening of the setscrews.

More information is available on request



Please note that this information is intended for guidance purposes only. The customer is responsible for ensuring that the construction or structure is sufficiently strong to support the weight of its component parts plus any applied load, and that suitable fixings are used. See website for terms and conditions.

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