

TECHNICAL DATA SHEET

DS 037

NON CONTROLLED UNLESS STATED OTHERWISE

PAGE	1 of 2
ISSUE	7
DATE	17 May 2019
APPROVED	A.N.M

TITLE.	Instructions for installation of type CSD Combined Spring and Viscous Damper Units type CSD/1, CSD/2 & CSD/3.
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This sheet applies to our Type CSD Combined Steel Spring and Viscous Damper Mk II units as detailed on Christie & Grey ASSY 5800, 5850 and 5900.

Standard finish - mild steel surfaces coated with two coats red oxide primer. External paint finish of one coat grey hammerite.

CSD units should be installed generally in accordance with the following procedure:

1. The structure beneath the machines should be constructed to form a rigid and reasonably level seating for CSD unit.
2. The units should be examined to ensure they are of the correct size. If appropriate, the positions for different units should be located in accordance with our recommendations or drawings.
3. Position the units upon the prepared seating before lowering the machine.
4. Jacks or blocks should be used to support the machine in a level state with a small clearance above each unit. The clearances must be measured and if they vary by more than 2.0mm then steel or other rigid packing pieces should be fitted before transferring the machine weight onto the isolators. These packing pieces must be fitted above the isolators and should be of adequate size.
5. After weight has been transferred to units hold down bolts should now be fitted - these should not strain the isolator in any direction. The isolators are not designed to accommodate angular misalignment, in level or horizontal shear.
6. It is recommended that isolator fixing bolts Grade 8.8 (supplied by others) be tightened to their correct torque values ensuring that the top cover of the CSD does not rotate during tightening. If high tensile fixing bolts greater than 8.8 grade are used, please consult our applications department to discuss recommended torque values.

Note: Ensure maximum fixing bolt thread engagement into unit of 30mm to 40mm.

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7. Note these units are not designed for tensile or shear loading applications, and should only be installed in accordance with our recommendations.
8. The efficiency of an isolation system can be seriously impaired if the system is connected to rigid pipes, electrical conduits, ducts or shafts. It is essential that such external connections be as flexible as possible, not only to prevent transmission of vibration through the connections and allow the system freedom of movement, but also to avoid possible failure of the connections.

Please contact our Applications Department at the address below if you have any problems relating to installation or selection.



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