

Thrust restraints should be used to control the movement of the fan when subjected to high airflow forces. Two typical installations using thrust restraints are shown in Figures 1 & 2.

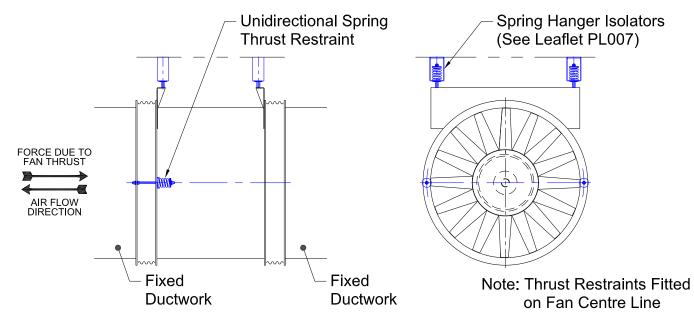
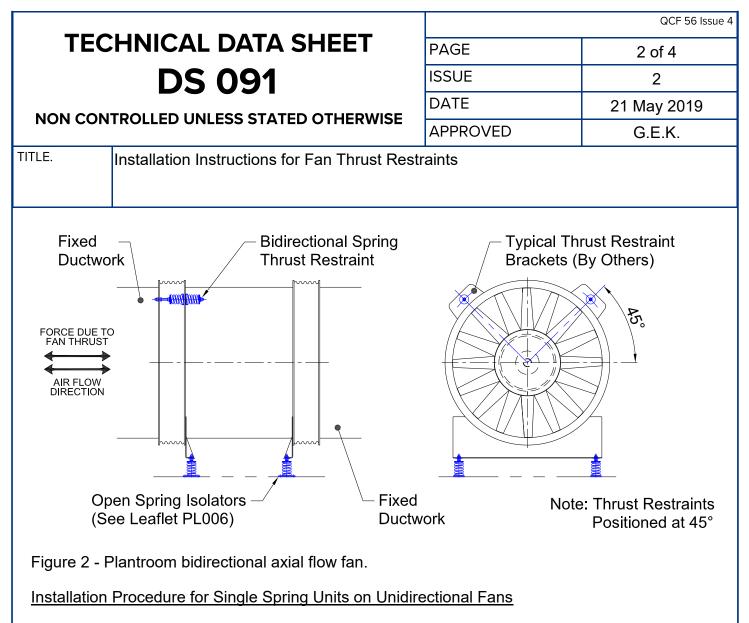


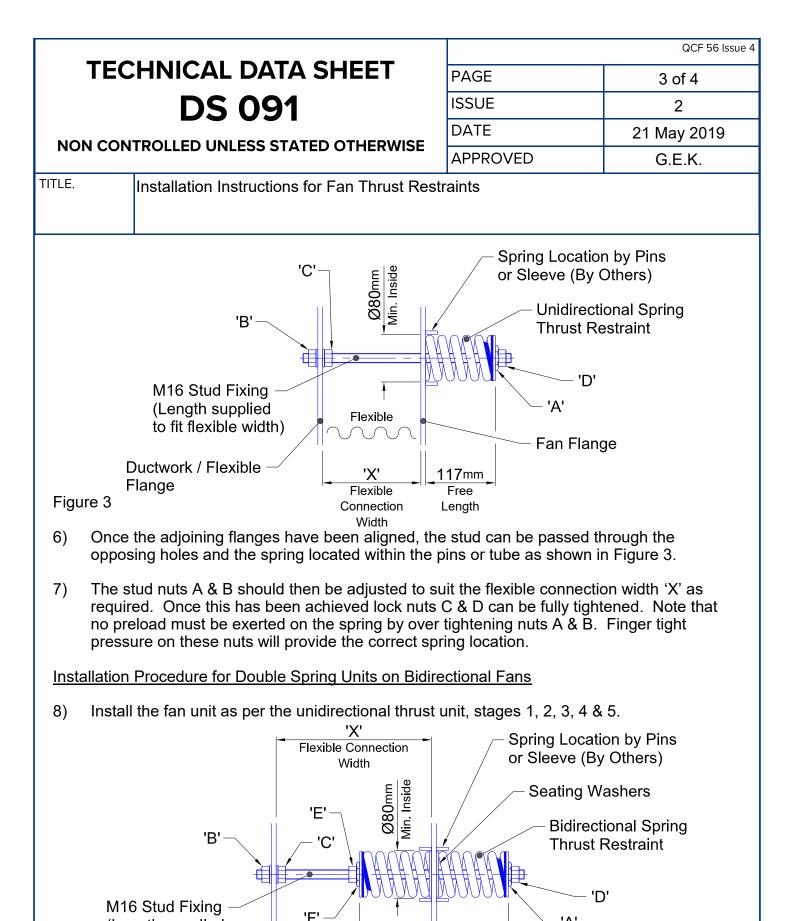
Figure 1 - Suspended unidirectional axial flow fan.



- 1) The size and position of the thrust restraint and main isolation springs must be calculated and verified by Christie & Grey Ltd technical department.
- 2) The fan unit must be installed on its selected isolator units in accordance with Christie & Grey Ltd installation instruction data sheets as follows:-

Enclosed Spring Mountings	DS 026
Open Spring Mountings	DS 027
Spring Hangers	DS 029

- 3) Provision for the thrust restraint must be made within the existing adjoining ductwork and fan flange. Pins or steel tubes must be installed on the fan flange for the location of the spring as detailed in Figure 3.
- 4) The connecting ductwork must be correctly aligned with the fan flange by either shimming or adjustment of the isolator units. Note, this should be done on all isolators to ensure a level installation.
- 5) The standard M16 stud provided with the thrust restraint will be supplied to suit the flexible connection width 'X' and flange thicknesses and must be stipulated when ordering (see Figure 3).



Flexible

121mm

Free

Length

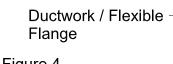
121mm

Free

Length

'A'

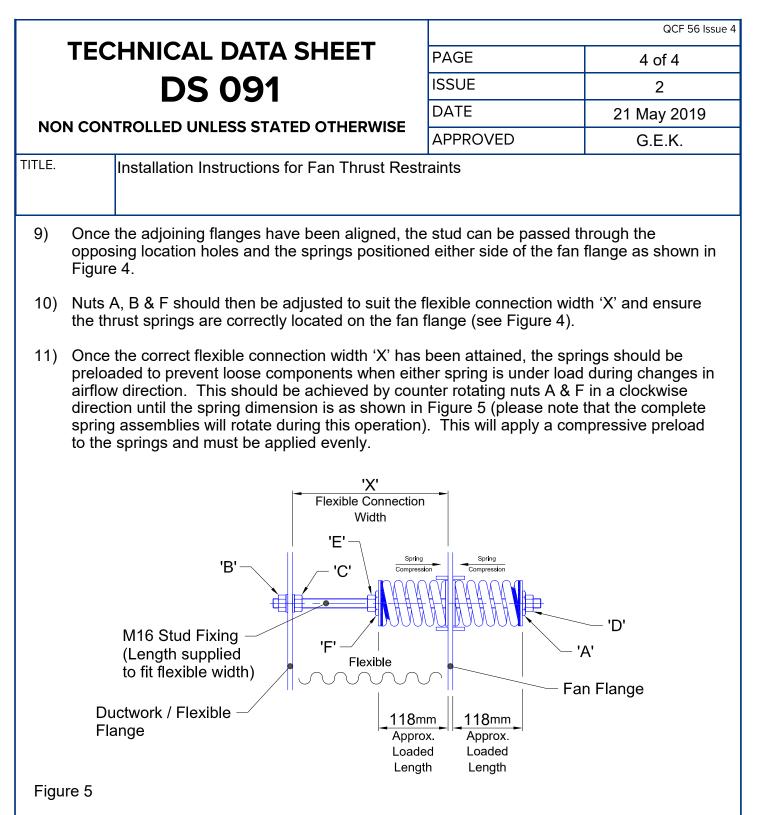
Fan Flange



(Length supplied

to fit flexible width)

Figure 4



12) Once this has been achieved locknuts C, D & E can be fully tightened.

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



Morley Road, Tonbridge, Kent TN9 1RA, England Telephone : +44 (0) 1732 371100 E-mail : sales@christiegrey.com web site: www.christiegrey.com

