

TECHNICAL DATA SHEET**DS 081****NON CONTROLLED UNLESS STATED OTHERWISE**

PAGE

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ISSUE

7

DATE

8 June 2023

APPROVED

M.T.P.

TITLE.	Instructions for Installation of Type CRM Mountings and Hangers for Marine Ductwork Applications
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Details of isolators as Leaflet PL003

- The CRM (Captive Rubber Mount) rubber hardness must be selected in accordance with the rated load capacities detailed on our appropriate drawings.
- Each CRM is identified by the stamped rubber hardness number on the coupling connector i.e. 65.
See the photograph to the right for an example.
- Sections of isolated pipe work, exhaust or ductwork including flexible bellows must be supported rigidly in the correct position using solid scaffold and or bracing. This may be set high to allow for compression of the mountings / hangers under load.
- The CRM must be fixed to a solid bracket (supplied by others) or seating using the 2 No. M12 fixing holes in the required position or as shown in our installation drawings.



Pipes, exhaust and ductwork may need supporting on either side of changes in direction, with additional hangers or mounts to support heavy fittings and vertical drops. Hangers may be placed at 45 degree angles to horizontal pipe work run as shown in figure 3, to ensure that ship sea way motion does not result in excessive movement. Mounts / hangers may be paired up on opposite sides along the length of the pipe work at suitable centres.

- Typical mounting arrangements are shown in figures 1 to 6.
- Heat resistant pads with oversized reinforcing washers supplied must be used for exhaust mounting arrangements where drop rod connections are not being used. See figure 2. Mountings in this arrangement must be shimmed before loading using steel plates to the correct height of the mounting bracket to avoid distortion and stressing of isolated pipe work / exhaust.
- Drop rod connections on vertical and horizontal installations must utilise turnbuckle adjustment to maintain alignment of the pipe work / exhaust when the rigid supports are removed.

Figure 1

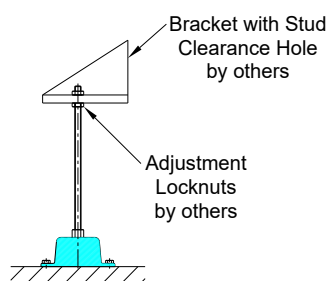
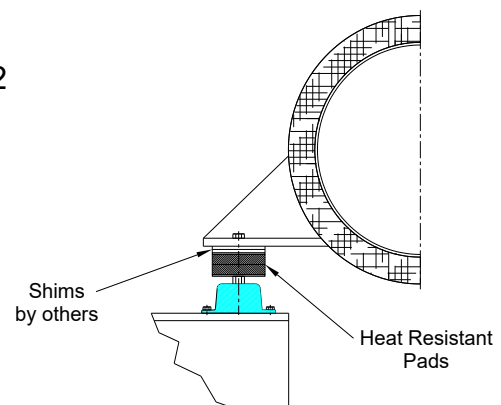


Figure 2



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- Steel tubes should be used on drop rod stud lengths over 450 mm to avoid buckling. See figure 6.
- Oversized reinforcement washers supplied with all mountings must be installed between mounting coupling and heat pad steel reinforcing plate for proper load distribution.

Figure 3

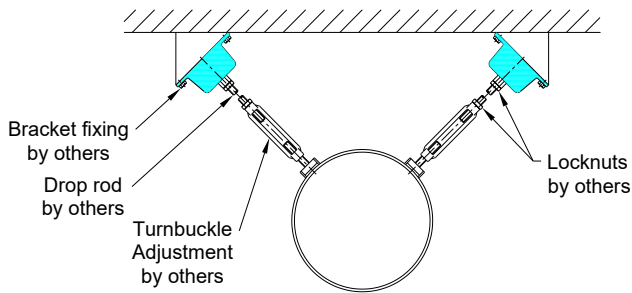


Figure 4

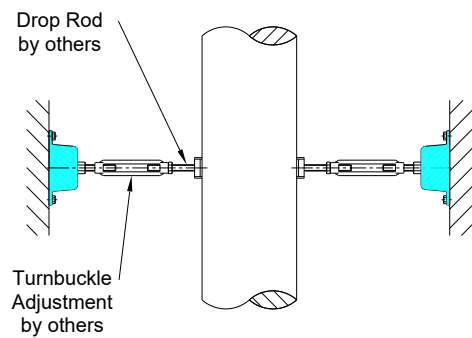


Figure 5

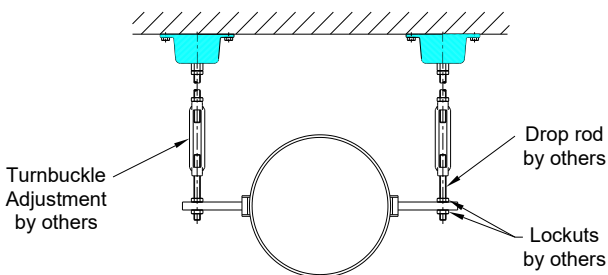
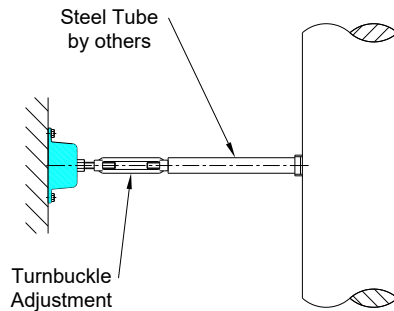


Figure 6



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



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