

The following installation details apply to model **RCS-15R**

Application

RCS-15R radial dampers are intended to be installed inside the duct in the airstream and adjusted at the face of diffusers.

Installation

1. The RCS-15R dampers are made and delivered as one piece unit. Prior to the installation make sure that the cable end is secure in the damper pivot coupling.
2. Position damper within the duct allowing for best cable run avoiding tight turns [4" (102) minimum radius] while keeping adjustment end in accessible position.
3. Damper should be square to the duct and free of any obstructions that might foul with the rotating blades.
4. Secure damper in position inside the duct using #10 self-drilling screws (not provided), minimum one screw per side.
5. Secure the end of the flex cable using the nylon clamp (provided) with #10 customer supplied hardware. The clamp may be positioned anywhere along cable length to keep adjustment end in accessible position.
6. Cable should rotate easily inside the nylon clamp.
7. Damper may be adjusted by using a 7/32" (6) open end wrench to the male square end of the cable. Dampers will hold their settings through the design velocity limits.

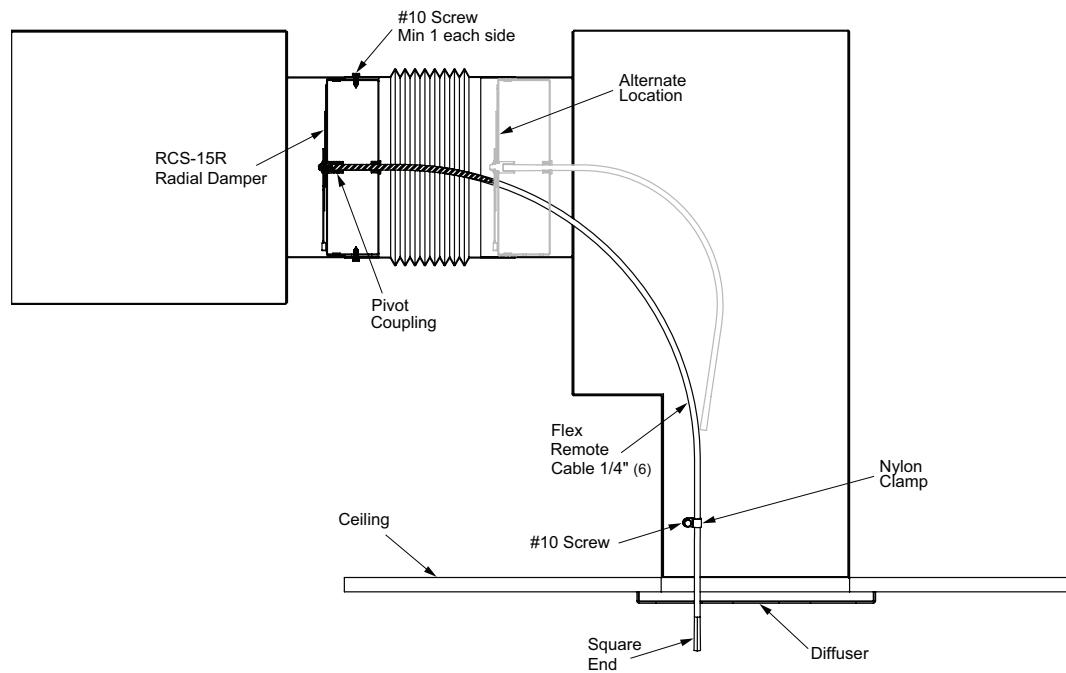


Fig. 1 RCS-15R Before Balancing

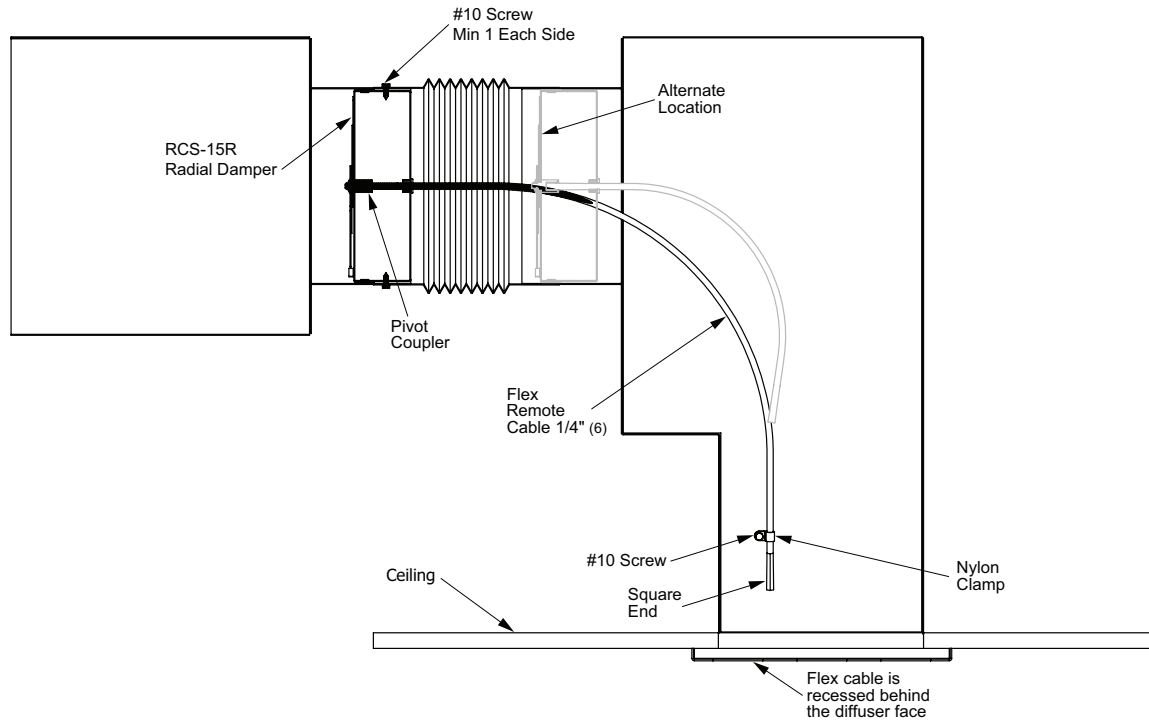


Fig. 2 RCS-15R After Balancing

Flexible cable lengthening

In cases where lengthening the flexible cable, a 5/16" (8). I.D. solid coupling can be used as seen in Fig. 3. The coupling is available as an option. Use a 3/32" (2) allen wrench to tighten the #10-32 x 3/16" (5) set screws.

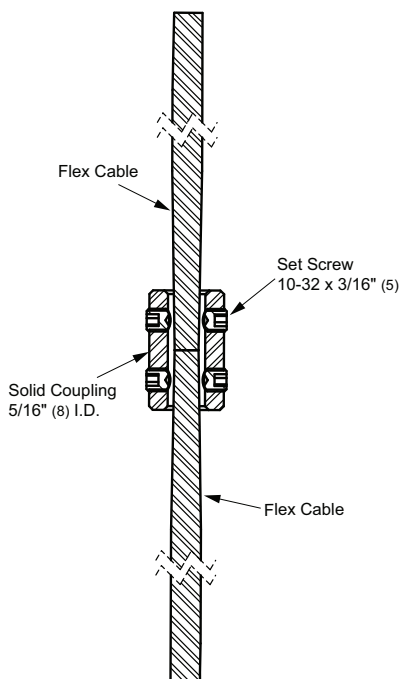
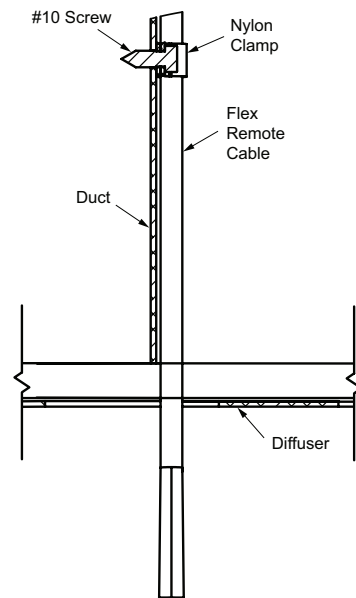


Fig. 3 Flex Cable Lengthening



Nylon Clamp Installation Detail