



Young Regulator Co.

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Submit RAD-FS 12/2019

Flex Shaft Assembly

Damper - RAD

Flexible Steel Shaft - FS-XX

Application and Design

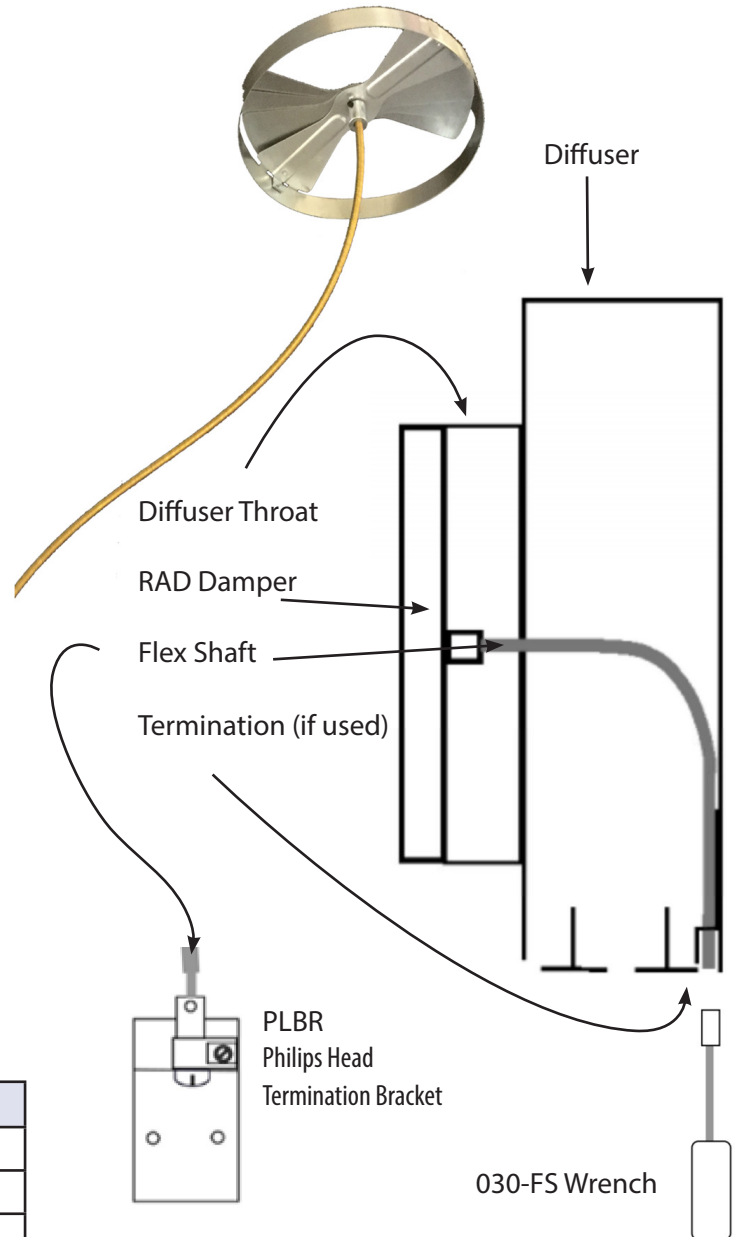
Flexible shafting is a direct, mechanical method for transmitting rotary motion between two points. The model RAD Radial Sliding Dampers are engineered for supply and return air distribution in heating, cooling and ventilation applications. The incremental shutter closure design permits precise control and does not interfere with diffuser air patterns. The bow tie steel shutters fan open or closed about a cast pivot. They are actuated from an opening in the diffuser using a socket wrench to rotate the pivthead that is coupled through a flexible steel shaft.

RAD DAMPER

Model RAD damper shutters are made of galvanized steel for maximum strength, corrosion resistance and dimensional stability. They have a standard mill finish. Dampers are available in even neck sizes from 6" to 12".

FLEXIBLE STEEL SHAFT

The flexible steel shaft is a single wire around which successive multi-stranded layers of wire are wrapped. It is .250" in diameter, has a brass finish, and is capable of delivering more than 50 ft-lbs of torque without damage. The standard shaft length is 12". Other lengths available, contact the factory. The minimum operating radius is 6".



Terminations	
No Termination	Flex Shaft Squared End
PLBR	Philips Head Termination Bracket
Note USE 030-FS Wrench for "No Termination" applications	

Quantity	Diameter	Flex Length	Termination	Notes
Project				Location
Contractor				Design Specifier