

Ceiling Radiation Damper • Four Insulated Blades • Retangular Frame • For Static Systems • Galvanized Steel

Standard Materials and Construction

- FRAME:** 22-GA galvanized steel, one piece, 2²¹/₃₂" standard depth.
- BLADES:** 22-GA galvanized steel.
- INSULATION:** 1/2" thick gypsum.
- FUSIBLE LINK:** 165°F.
- SPRING:** Extension type.
- FINISH:** Mill.

Options

- 212°F Fusible Link
- Thermal Blanket
- Top Extension (see chart below)
- Bottom Extension (see chart below)
- Top and Bottom Extension (see chart below)

Notes

1. The larger dimension is always the width, and is parallel to the blades.
2. Dampers are provided 1/4" undercut on 1" increments.
 - Standard 1/4" undercut:
 - A. For installation where the damper is to be installed inside a steel duct.
 - B. For lay-in installation where the damper is to be installed directly into the tee bar grid of the ceiling.
 - Optional Exact Size (No undercut):
 - For surface mount ductless installation, where the damper is to be installed over the neck of a grille or lay-in diffuser.
3. This ceiling damper is used to provide the required fire and heat radiation protection of HVAC penetrations of floor, ceiling and roof-ceiling assemblies with restrained or unrestrained assembly Fire Resistance Ratings of 2 hour or less, in accordance with UL-263. Standard fire dampers (1 1/2 hr. and 3 hr.) do not provide the necessary heat radiation protection. Ceiling dampers are also called Ceiling Fire Dampers, Radiation Dampers, and Radiation Shields. See our UL-Approved Installation Instructions for various installation requirements and procedures. Approved ceiling designs are illustrated by design number in UL's Fire Resistance Directory.

UNDERWRITERS LABORATORIES INC.®
 CLASSIFIED STATIC CEILING DAMPER
 FIRE RESISTANCE RATING 2 HR



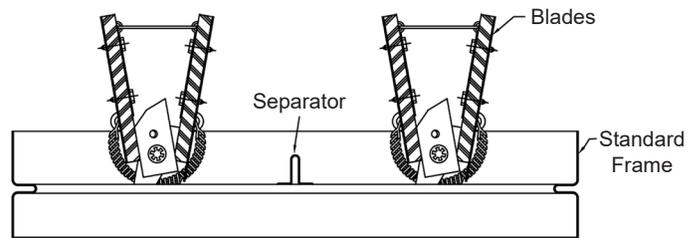
ARROW UNITED INDUSTRIES

FILE # R16561



This ceiling radiation damper meets the construction and performance requirements of:

- Underwriters Laboratories Inc. Standards 555C
- National Fire Protection Association Standards 90A and 101
- New York City MEA Listing #110-99-M
- California State Fire Marshal Listing #3226-1328:105
- 1 hour Combustible Ceiling Assemblies
- 1 hour and 2 hour Non-Combustible Ceiling Assemblies

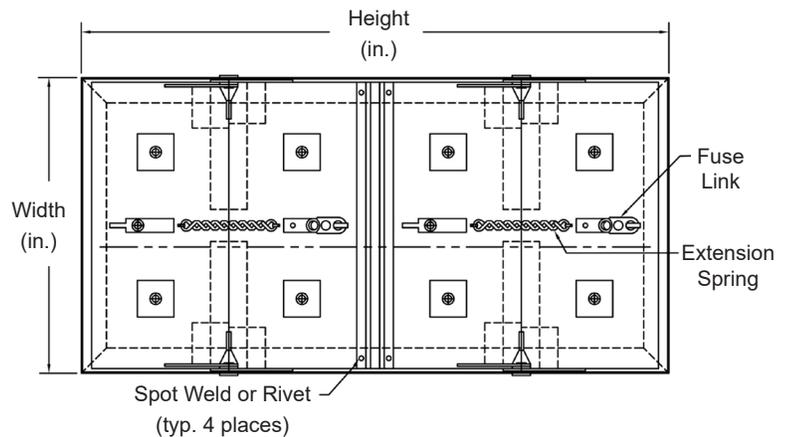


Damper Sizes

Horizontal (Ceiling) Mount Only	
Min Panel	Max Panel
3 3/4"W x 18 3/4"H	24"W x 24"H (576 sq.in.)

Frame Extension Chart

Min Panel	Heights: 18 3/4" - 20"	Heights: 20 3/4" - 24"
Top Extensions	9 1/4"	9 1/4"
Bottom Extensions	6 1/8"	6 1/8"
Top & Bottom Extensions	9 1/4"	10 3/4"



												
Item #	Qty	Damper Size	Top	Bottom	165°F	212°F						
Arch. / Eng.:			Extensions		Fusible Link							
Contractor:					EDR:		ECN:		Job:			
Project:					Date:		DWN:		DWG:			

