



DYNAMIC MULTI-BLADE FIRE DAMPER
 FOR USE IN DYNAMIC OR STATIC SYSTEMS
 1 1/2 HR. LABEL • VEE BLADE • SQUARE,
 RECTANGULAR OR OVAL DUCT CONNECTION
MODEL: D1253 (TYPE C SLEEVE ENC.)



QUALIFICATIONS:

- **UL 555 CLASSIFIED DYNAMIC FIRE DAMPER • 1 1/2 hr. Label (File #R9492).**
- **CAN/ULC-S112 CLASSIFIED FIRE DAMPER (File #R19569).**
- **California State Fire Marshal: Fire Damper Listing No. 3225-0935:101.**
- **City of New York Board of Standards and Appeals. Cal. No. 460-88-SA.**
- **Meets NFPA 80, 90A and 101 as well as IBC and NBC (Canada) Building Code requirements.**
- **Maximum velocity 3000 fpm @ 4" w.g. for single section sizes. 2000 fpm @ 4" w.g. for larger sizes.**

The D1250 Series Dampers are ideal for applications where building codes require a fire damper for the protection of ductwork penetrations in walls or floors that have a fire resistance rating of up to 2 hours.

The D1250 Series has been especially designed and tested to offer a rugged cost effective multi-blade damper well suited to the majority of commercial applications. Parallel blade action assures closure in dynamic (fans on) systems.

The D1250 Series features the industry proven over-center knee lock design with high torque spring/fusible link closure.

UL approved for installation with airflow in either direction and inverted mounting.

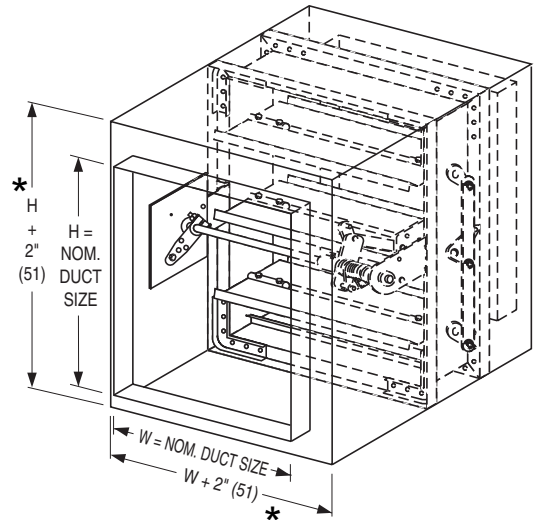
The D1250 is supplied as standard with an internal crank arm and locking screw which holds the damper in the fully open position, but may also be used for system balancing if required.

STANDARD SPECIFICATION:

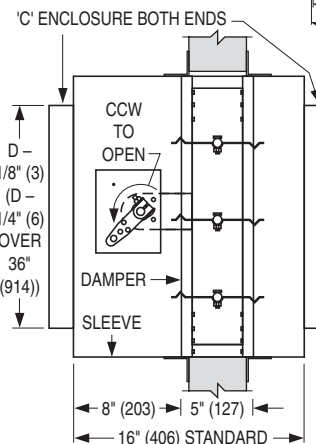
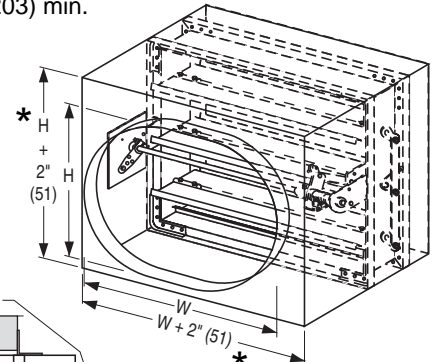
- Frame:** 5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized steel hat channel.
- Blades:** 6" (152) wide on 5 1/2" (140) centers. 16 ga. (1.6) galvanized steel vee groove design. Parallel action.
- Linkage:** Concealed in frame. 12 ga. (2.7) plated steel.
- Bearings:** 1/2" (13) dia. self-lubricating oilite bronze.
- Axles:** 1/2" (13) dia. plated steel bolted to blades.
- Jackshaft:** 1/2" (13) dia. cadmium plated steel. Internal locking quadrant is factory installed.
- Fusible Link:** 165°F (74°C) standard. 212°F (100°C) available.
- Min. Duct Size:** Vertical or Horizontal mount: 4" x 4" (102 x 102). (Overall damper size is 8" x 8" (203 x 203) min.).
- Max. Duct Size:** Single Section
 Vertical mount: 34" x 46" (864 x 1168).
 Horizontal mount: 28" x 38" (711 x 965).
 Multiple Section Assembly
 Vertical mount: 70" x 46" (1778 x 1168) or 34" x 94" (864 x 2388).
 Horizontal mount: 58" x 38" (1473 x 965) or 28" x 78" (711 x 1981).

SLEEVE/ENCLOSURE SELECTION:

- D1253** Standard factory sleeve 16" long x 20 ga. (406 x 1.0) (18 ga. for dampers over 84" (2134) in width).
- D1253** Non-standard sleeve. Specify _____ length _____ ga. Available up to 36" (914) dependent upon wall thickness and 10 through 20 ga. (3.5 through 1.0).



* or 8" (203) min.



Wall Thickness	Minimum Sleeve Length
4 (102)	16 (406)
8 (203)	20 (508)
12 (305)	24 (610)
16 (406)	28 (711)

OPTIONS:

- JSM** Flexible metal jamb seals
- BSS** Silicone blade seals
- MLS-300** Position indicator switch package
- QS1** Quick-set retaining angle (one side)
- QS2** Quick-set retaining angles (two sides)
- Special features** _____

For installation instructions, see IOM-MBFDINST.

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	11 - 22 - 11	D1200	8 - 28 - 07	D1250-4