MULTI-BLADE LOW LEAKAGE FIRE DAMPERS AIRFOIL BLADES • GALVANIZED OR STAINLESS STEEL USCG TYPE APPROVED FOR CLASS A-60 DIVISIONS MODELS: 1201-MDG AND 1201-MDS

Nailor Industries Inc.

APPLICATION:

Models 1201-MDG (galvanized) and 1201-MDS (stainless steel) are multi-blade low leakage fire dampers for use in marine applications which require USCG approval for installation in Class A-60 divisions.

QUALIFICATIONS:

- **International Maritime Organization Fire Test Procedures Code USCG Type Approval A-60. Approval Number 164.139/8/0.**
- **European Wheel Mark 1408/05.**
- **Southwest Research Institute Test report No. 01.29740.01.001a, 01.29740.01.001b**
- **Leakage: Less than 4 cfm/sq. ft. @ 1" w.g.**

STANDARD SPECIFICATION:

FRAME: 5" x 7/8" x 16 ga. (127 x 22 x 1.6) galvanized or stainless steel hat channel.

BLADES: 14 ga. (2.0) equivalent galvanized or stainless steel formed airfoil on 5 1/2" (140) centers. Opposed blade action.

LINKAGE: Concealed in frame. 12 ga. (2.7) plated or stainless steel.

AXLES: 1/2" (13) dia. plated or stainless steel double bolted to blade.

BEARINGS: 1/2" (13) dia. self-lubricating oilite bronze or sintered stainless steel.

JACKSHAFT: 1/2" (13) dia. plated or stainless steel. CCW rotation to open.

JAMB SEALS: Stainless steel.

FUSIBLE LINK: 165°F (74°) standard.

SLEEVE: 12" (305) long x 16 ga. (1.6) with 2" (51) flange on both ends. 10" (254) through 24" (610) long and 16 ga. (1.6) through 10 ga. (3.51) available. 12" (305) min. with MLS-300. Flange widths from 1" (25) to 3" (76) available.

MINIMUM SIZE: Vertical or Horizontal mount: 8" x 8" (200 x 200).

MAXIMUM SIZE: Single Section
Vertical or Horizontal mount: 36" x 36" (915 x 915).
Multiple Section Assembly
Vertical or Horizontal mount: 72" x 36" (1830 x 915).

BASE MODEL SELECTION:

- ❑ **1201-MDG** Galvanized construction.
- ❑ **1201-MDS** Type 304 Stainless Steel construction.
- ❑ **1201-MDS** Type 316 Stainless Steel construction.

SLEEVE SELECTION:

SLEEVE LENGTH AND GAUGE:

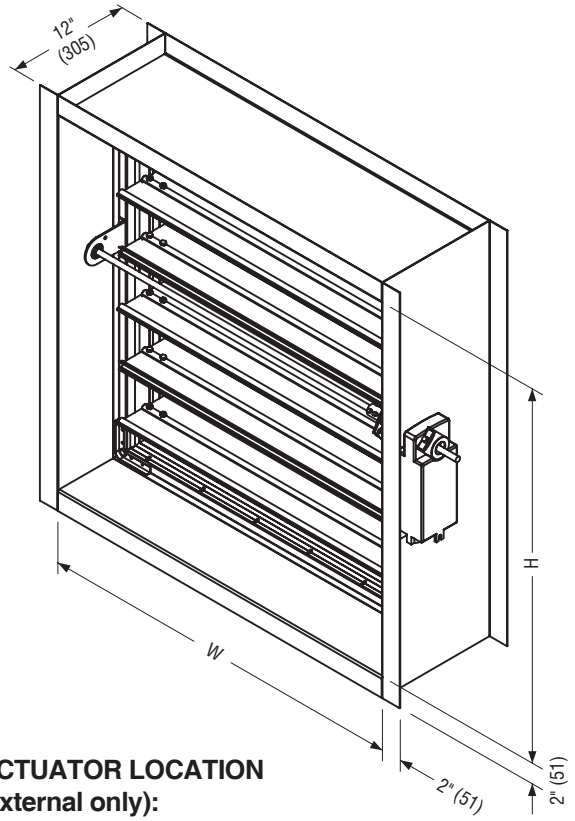
- ❑ Standard 12" (305) long x 16 ga. (1.6).
- ❑ Non-standard. Specify: ___ inches (mm) x ___ ga.

SLEEVE FLANGE:

- ❑ Standard 2" (51) flange.
- ❑ Non-standard flange. Specify: ___ inches (mm).

ACTUATOR SELECTION:

- ❑ Electric ❑ Pneumatic Model: _____ .
- ❑ **HLQ** Hand locking quadrant



ACTUATOR LOCATION (external only):

❑ Right hand (std.) ❑ Left hand

ACTUATOR FAIL POSITION:

❑ Closed (std.) ❑ Open

OPTIONS:

- ❑ **CWS** Continuous weld sleeve
- ❑ **300** MLS-300 position indicator package
- ❑ **212** 212°F (100°C) fusible link.

ACTUATORS

MODEL	SUPPLY (VOLTAGE OR PSI)	APPLICATION
MS4X09 MS8X09 MS4Y09 Honeywell FATPA HT 80 lb. - in.	120 VAC 24 VAC 230 VAC	Single Section (Fail Closed)
MS4120F MS8120F MS4620 Honeywell FATPA XT 175 lb. - in.	120 VAC 24 VAC 230 VAC	Single Section (Fail Closed or Open) or Multi-Section (Fail Closed)
331-4826 Siemens #3 8 - 13 psi spring	25 psi	Single Section (Fail Closed)
331-2961 Siemens #4 8 - 13 psi spring	25 psi	Multi-Section (Fail Closed)

Actuators are externally mounted only.
Additional actuators available. Contact factory.

Dimensions are in inches (mm)

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	11 - 13 - 26	1200	8 - 21 - 12	1201-MDG

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.