

The Nailor Model 1091-UT, butterfly damper has been designed for all types of round ductwork applications and is suitable for use in the majority of low to medium pressure and velocity commercial HVAC systems. The damper may be used for two position or modulating control using a variety of electric or pneumatic actuators or may also be used as a manual balancing damper when used with the optional hand locking quadrant and positive shut-off is required.

STANDARD CONSTRUCTION:

FRAME: 16 ga. (1.6) galvanized steel. Re-inforcing tie-bars on 18" (457) dia. and above.

BLADE: 16 ga. (1.6) galvanized steel.

BEARINGS: 1/2" (13) dia. oilite bronze.

DRIVE SHAFT/AXLE: 1/2" (13) dia. plated steel. One piece continuous with two welded blade straps. Position indicator mark on drive shaft extension.

BLADE STOP: 10 ga. (3.5) full perimeter metal blade stop.

ACTUATOR MOUNTING BASE PLATE: Factory mounted bracket and baseplate supplied for field mounting of electric or pneumatic actuator.

AVAILABLE SIZES: 4" (102) through 20" (508) diameter in nominal 2" (51) increments.

TEMPERATURE RANGE: -50°F to 200°F (-45°C to +93°C)

OPTIONS:

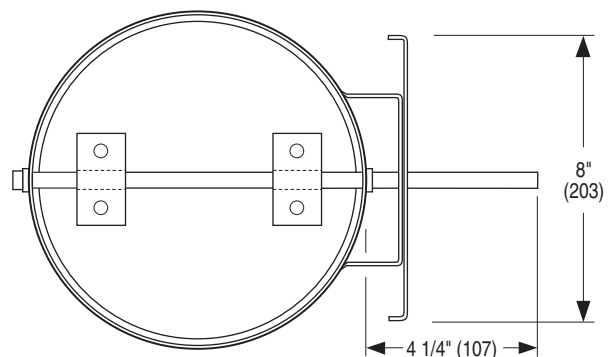
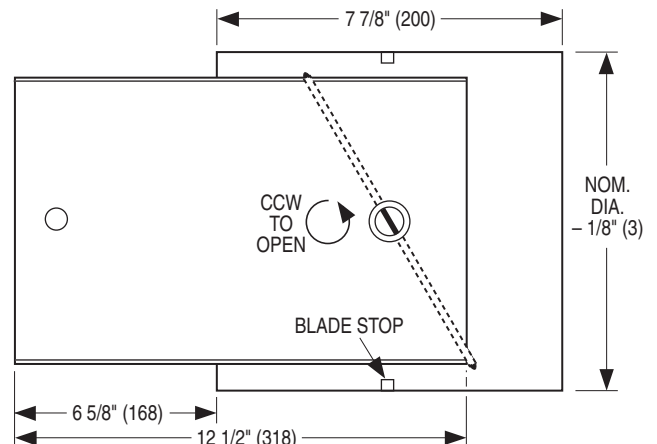
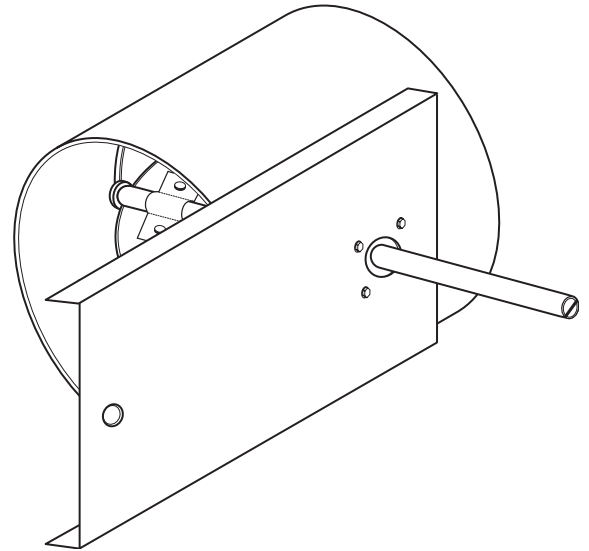
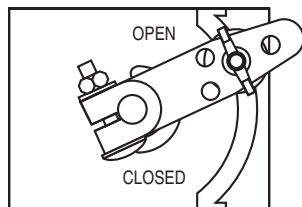
- ☐ HLQ Hand locking quadrant with 1" (25) stand-off bracket.
- ☐ HLQ2 Hand locking quadrant with 2" (51) stand-off bracket.
- ☐ Siemens 331-4826 factory supplied and mounted pneumatic actuator. NO or NC connection. Specify _____.
- ☐ Siemens GMA161.1P factory supplied and mounted electric actuator. 24 Vac modulating (0-10 Vac) spring return. Plenum rated cable.
- ☐ Special features. Specify _____.

PERFORMANCE:

Dampers are designed to operate in a clean, dry environment.

Maximum System Pressure: 4" w.g. (1 kPa).

Maximum Face Velocity: 2000 fpm (10 m/s).

**OPTIONAL
HAND LOCKING
QUADRANT**


Dimensions are in inches (mm).

SCHEDULE TYPE

PROJECT

ENGINEER

CONTRACTOR

DATE

B SERIES

SUPERSEDES

DRAWING NO.

10 - 16 - 25

1000

2 - 14 - 03

1091UT