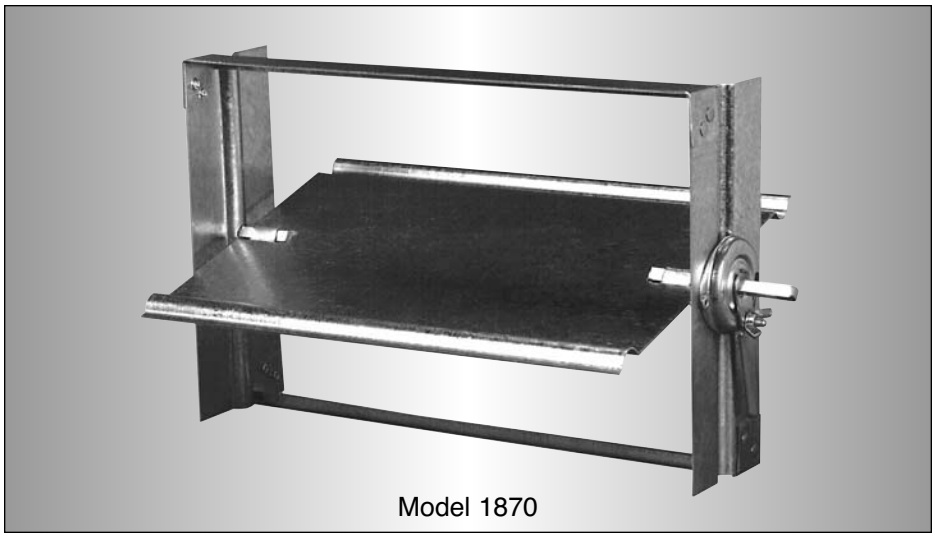
- **FOR MANUAL BALANCING**
- **SINGLE BLADE**
- **GALVANIZED STEEL**

MODEL: 1870



Model 1870

The Model 1870 Manual Balancing Damper is an economical branch duct balancing damper designed for use in most metal and fibre ductboard HVAC systems. The low profile frame and sills provide maximum free area. The ribbed forms in the blade and frame are for extra strength. A locking manual hand quadrant is provided with each damper.

STANDARD CONSTRUCTION:

FRAME: 3" wide x 18 ga. (102 x 1.3) galvanized steel.

BLADES: 20 ga. (1.0) galvanized steel up to 24" x 12" (610 x 305).
18 ga. (1.3) galvanized steel above 24" x 12" (610 x 305).

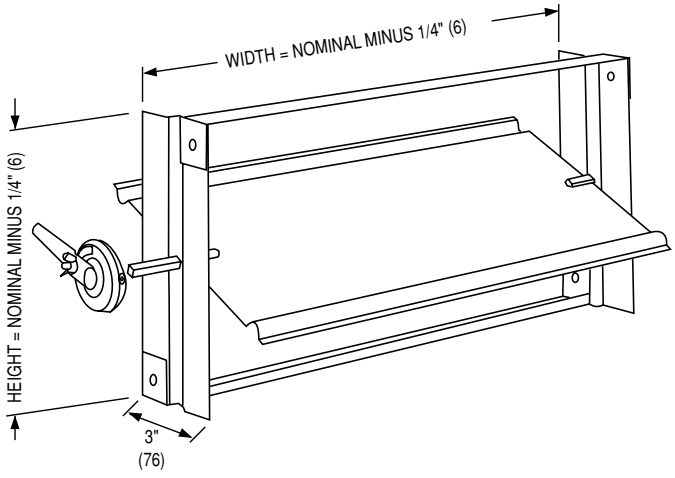
SHAFT: 1/4" (6) square plated steel.

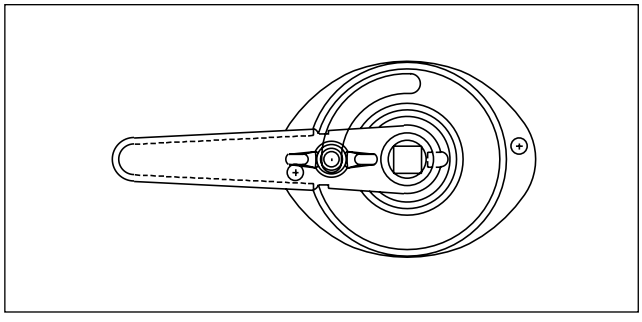
QUADRANT: Plated steel with locking operator (shipped loose).

MINIMUM SIZE: 4" x 4" (102 x 102).
All units are manufactured 1/4" (6) under nominal size.

MAXIMUM SIZE: 36" x 12" (914 x 305).
All units are manufactured 1/4" (6) under nominal size.

For larger sizes refer to Models 1810 and 1820.





LOCKING QUADRANT

MODEL: 1870

PERFORMANCE DATA:

Maximum System Pressure: 2" w.g. (0.49 kPa)

Maximum Face Velocity: 1500 fpm (7.6 m/s)

Temperature Range: -50°F to 180°F (-45°C to 82°C)

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

AVAILABLE OPTIONS / ACCESSORIES:

The following construction options and accessories are available on Model 1870.
See page B55 for detailed description of options/accessories.

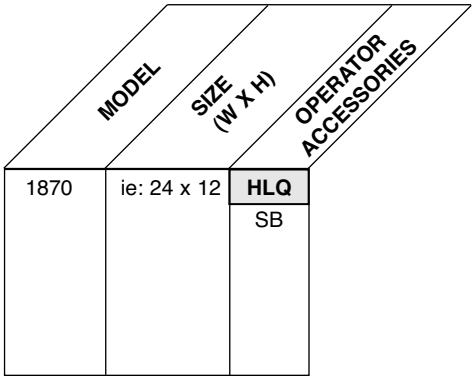
	CODE	DESCRIPTION
MANUAL QUADRANT MOUNTING BRACKET:	SB	2" (51) Stand-off Bracket for Hand Quadrant (for externally insulated duct)

HOW TO ORDER OR TO SPECIFY

MODEL: 1870

HOW TO ORDER:

Standard construction is shown in highlighted box. Option codes are listed below. See above for description of options.



SUGGESTED SPECIFICATION:
Provide and install, as shown on plans and/or schedules, single blade manual balancing dampers meeting or exceeding the following criteria: Frame shall be constructed of 18 ga. (1.3) galvanized steel with structural ribs for maximum strength and low profile for maximum free area. Blades shall be constructed of 20 ga. (1.0) galvanized steel up to 24" x 12" (610 x 305); 18 ga. (1.3) galvanized steel above 24" x 12" (610 x 305), with structural ribs for extra strength. Blade shafts to be 1/4" (6) square plated steel, complete with a hand locking quadrant for positive setting of blade at any position. Standard of acceptance: Nailor Industries Model 1870.