Standard Construction and Materials

FRAME: 5" wide x .081" thick (nominal) 6063-T52/T6 extruded aluminum, hat shaped channel.

BLADES: 4" wide x .081" thick (nominal) 6063-T52/T6 extruded aluminum, airfoil profile injected with a two part polyurethane (CFC free) foam, and debridged for thermal isolation.

AXLES: ½" dia. extruded aluminum, "Pin-Lock" design, interlocking into blade section.

LINKAGE: Concealed in jamb of heavy aluminum. Crank arm permanently locked to blade axle by two stainless steel fasteners. The crank arm contains a ½" dia. metal pivot riding in a celcon bearing. A ¼ - 20 set screw with locking patch ties the $^5/_{16}$" dia. aluminum linkage rod. The linkage of each damper is individually adjusted.

BEARINGS: "Double-sealed" type with celcon inner bearing riding inside a polycarbonate outer bearing positively locked into frame, designed so that there shall be no metal-to-metal or metal-to-bearing riding surfaces.

SEALS: Extreme low temperature seal system, extruded silicone rubber blade edge seal that fits into a ribbed groove insert in blades with an extruded polycarbonate seal at jambs.

FINISH: Mill

TEMP. LIMITS: -40°F to +200°F

Options

Frame - Optional .125" thick (nominal) 6063-T52/T6 extruded aluminum
Hand Quadrants
120V, 24V Electric, or Pneumatic Actuators
Jackshafting
Auxiliary Switch
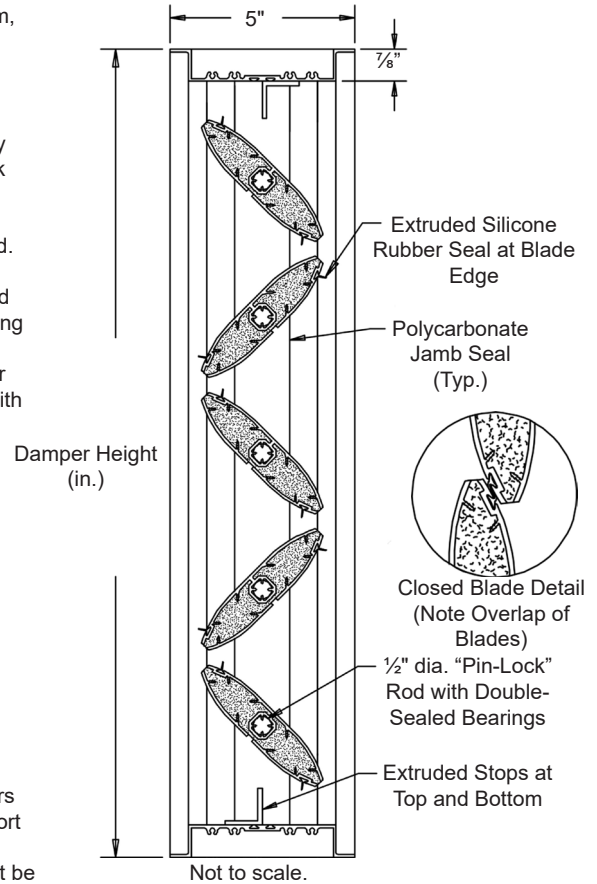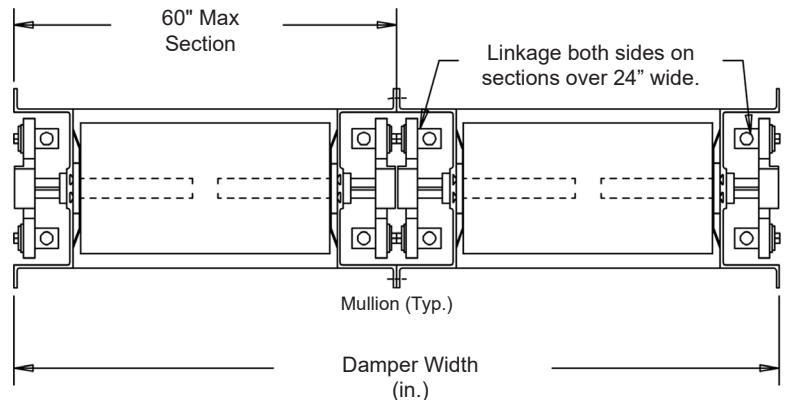Explosion Proof Housing

Notes

1. Nominal deductions will be made to the opening size given.
2. Dampers with multiple panels in both width and height may require structural support. It is recommended that large openings be designed with structural members so that dampers will span either width or height with a single panel. Structural support will not be provided with standard dampers.
3. Dampers more than one panel wide or high and operated with one actuator must be jackshafted. Factory supplied actuators are shipped loose to be mounted external as standard.
4. Not recommended for blades installed vertically.
5. Approximate damper weight is 6.5 lbs./sq.ft.

Damper Sizes

Blade Type	Minimum Panel	Maximum Panel
Parallel	6"W x 8⅞"H	60"W x 72"H
Opposed	6"W x 8⅞"H	60"W x 72"H

5"

⅞"

Damper Height (in.)

Extruded Silicone Rubber Seal at Blade Edge

Polycarbonate Jamb Seal (Typ.)

Closed Blade Detail (Note Overlap of Blades)

½" dia. "Pin-Lock" Rod with Double-Sealed Bearings

Extruded Stops at Top and Bottom

Not to scale.

Opposed Blade Model shown (Parallel Blade Model also Available)

60" Max Section

Linkage both sides on sections over 24" wide.

Mullion (Typ.)

Damper Width (in.)

Item #	Qty	Width	Height	Para.	Oppo.	Actuator Model	Interior	Exterior	N.C.	N.O.	
		Damper Size		Blade Position			Location		Function		Union Made
Arch. / Eng.:						EDR:		ECN:		Job:	
Contractor:											
Project:						Date:		DWN:		DWG:	