

# MODEL AFDTI-25LT-4

Extruded Aluminum Damper • 6" Deep • 4" Airfoil Blades • Parallel or Opposed • Thermal Break

## Standard Materials and Construction

- FRAME:** 6" deep x 1 7/8" high x .125" thick (nominal) wall thickness 6063-T52/T6 extruded aluminum, and 2 thermal breaks filled with polyurethane and debridged for thermal isolation.
- BLADES:** 4" wide x .081" thick (nominal) wall thickness 6063-T52/T6 extruded aluminum, airfoil profile injected with a two-part polyurethane (CFC free) foam, and debridged for thermal isolation.
- AXLES:** 1/2" 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 1/2" dia. metal pivot riding in a celcon bearing. A 1/4" - 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" 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:** -70°F to +200°F

### Options

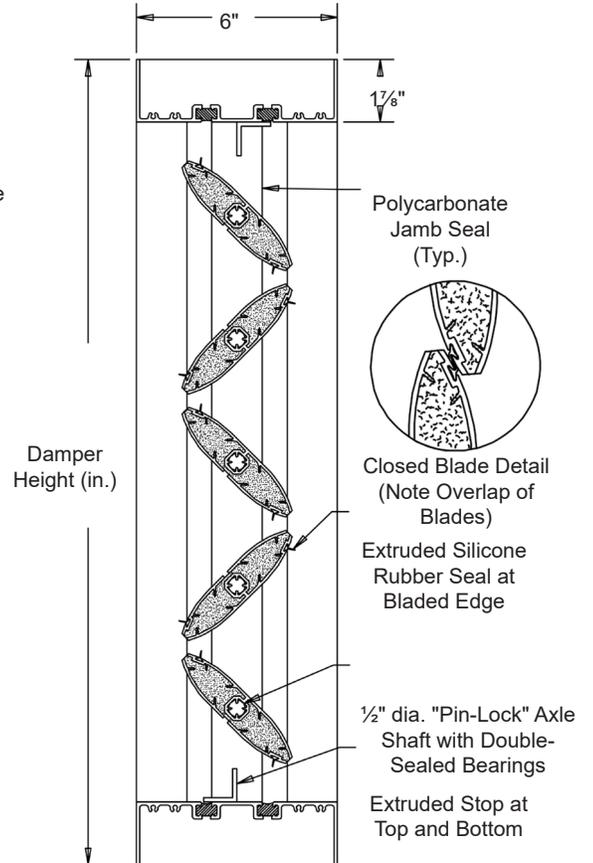
- Hand Quadrants
- 120V, 24V Electric, or Pneumatic Actuators
- Jackshaftering
- Auxiliary Switch
- Explosion Proof Housing

### Notes

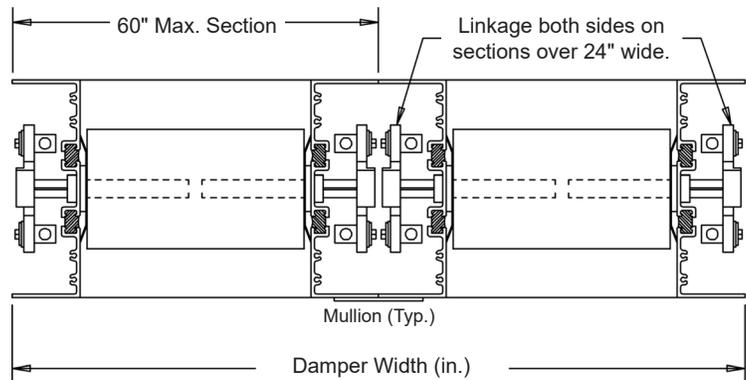
1. 1/4" nominal deduction will be made to the opening size given.
2. Dampers with multiple panels in both width and height may require structural support. It is recommended that large openings be designed with structural members so that dampers will span either width or height with a single panel. Structural support will not be provided with standard dampers.
3. Not recommended for blades installed vertically.
4. Approximate shipping weight is 6.5 lbs./sq.ft.

### Damper Sizes

Blades	Minimum Panel	Maximum Panel
Parallel	8"W x 10 7/8"H	60"W x 72"H
Opposed	8"W x 10 7/8"H	60"W x 72"H



Opposed Blade Damper (Shown)  
Parallel Blade Damper also available  
Not to scale.



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

