

### Standard Construction and Materials

**FRAME:** 5" deep x 12 GA. (.081" nominal) extruded aluminum. Hat channel with reinforcing bosses and groove inserts for silicone seals.

**BLADE:** 6" wide x .125" thick (nominal) extruded aluminum. Single unit airfoil design, with the pin-lock an integral section within the blade core.

**SHAFTS:** 1/2" dia. extruded aluminum, pin-lock design interlocking into blade section.

**BEARINGS:** "Double-Sealed" type with celcon inner bearing on axle riding in polycarbonate outer bearing inserted in frame so that outer bearing cannot rotate. Axle bearings to be designed for no metal-to-metal or metal-to-bearing riding surfaces. Interconnecting linkage to have celcon bearings to eliminate friction in linkage.

**SEALS:** Extruded silicone rubber seal. Stainless steel spring jamb seals.

**LINKAGE:** Installed in frame, out of airstream. Installation of assist linkage shall be determined by the factory and installed as necessary. All hardware to be non-corrosive reinforced material or plated steel.

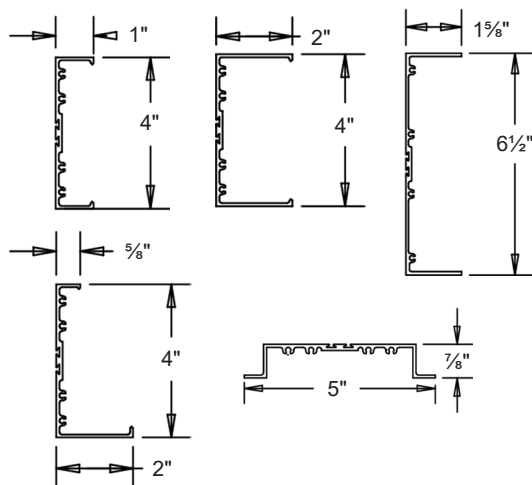
**FINISH:** Mill.

### Options

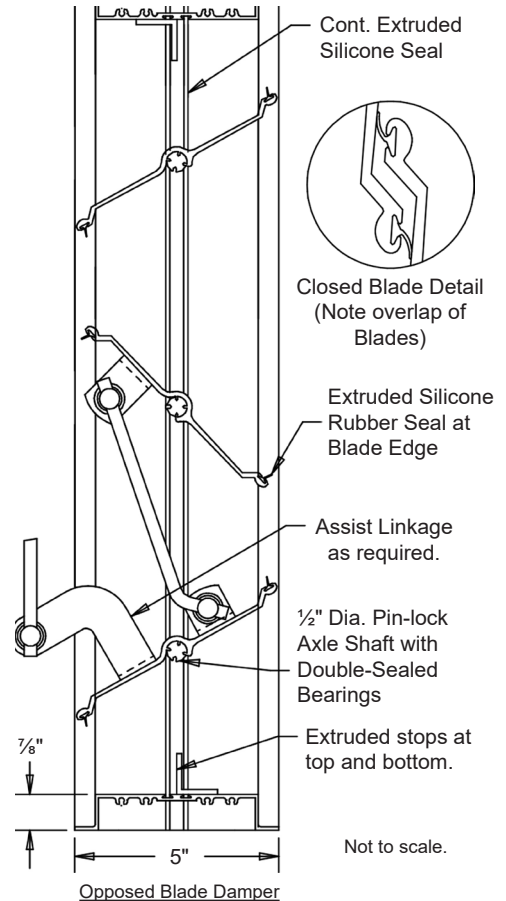
Hand Quadrants  
120V, 24V Electric, or Pneumatic Actuators  
Jackshafting  
Auxiliary Switch  
Explosion Proof Housing  
Clear anodize blades and frames (204-R1)  
304 Stainless steel jamb linkage  
Stainless steel bearings

### Notes

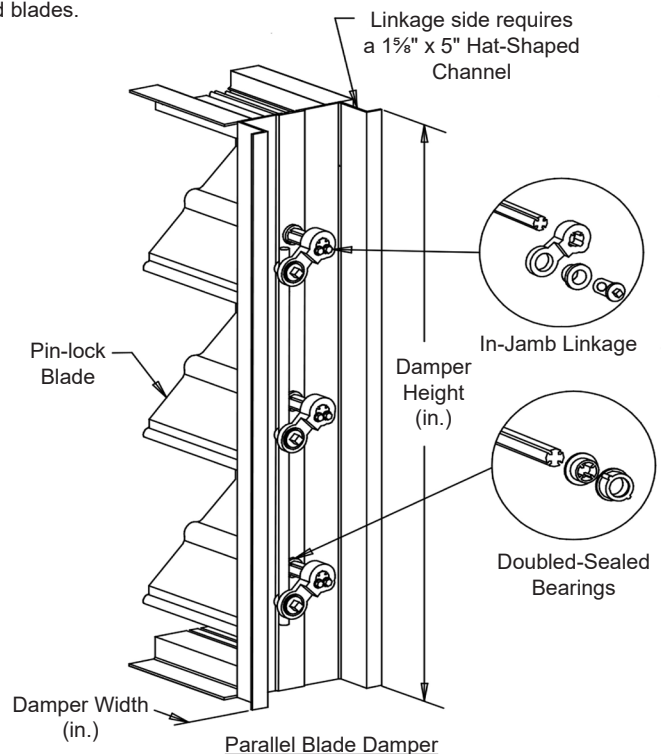
1. Nominal deductions will be made to the opening size given.
2. Please specify blade operation: AAP parallel blades or AAO opposed blades.
3. Approximate shipping weight is 5.5 lbs./sq.ft.



Optional Frames  
.125" nominal thickness



Opposed Blade Damper



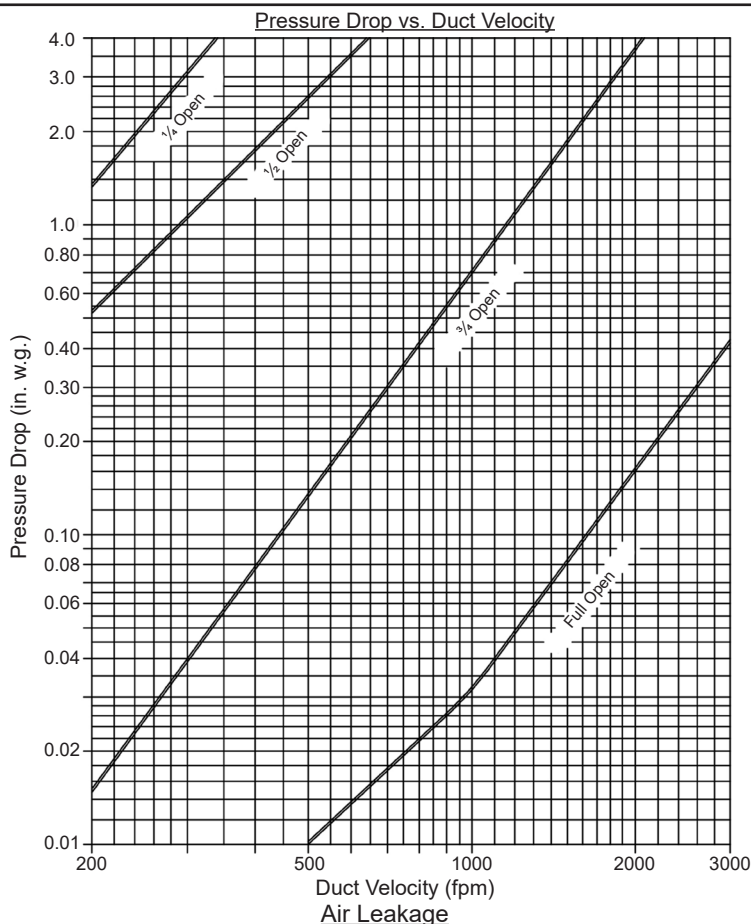
Parallel Blade Damper

For handwritten orders, use the schedule block on page 2.

In the interest of product development, Cesco Products reserves the right to make changes without notice.

### Performance Data

Pressure drop ratings are based on AMCA Standard 500-D using test set-up Fig. 5.3 for damper installed with duct upstream and downstream. Static pressures are corrected to .075 lb/cu.ft. air density.



Air Leakage ratings are based on AMCA Standard 500-D using test set-up Fig. 5.4. The test results indicate exceptional low leakage. Damper leakage performance meets specifications required less than 1/2% of 1% for damper range of sizes.

Maximum Damper Width	Maximum System Static Pressure	Maximum System Velocity	Air Leakage (CFM/sq.ft.)
48"	2.0" w.g.	2000 FPM	7.5 CFM/sq.ft.
36"	2.5 w.g.	2500 FPM	10.5 CFM/sq.ft.
24"	2.5" w.g.	2500 FPM	10.5 CFM/sq.ft.
12"	4.0" w.g.	3000 FPM	13.2 CFM/sq.ft.

<b>Item #</b>	<b>Qty</b>	<b>Damper Width</b>	<b>Damper Height</b>	
<b>Arch. / Eng.:</b>				
<b>Contractor:</b>				
<b>Project:</b>				
<b>EDR:</b>		<b>ECN:</b>		<b>Job:</b>
<b>Date:</b>		<b>DWN:</b>		<b>DWG:</b>



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