



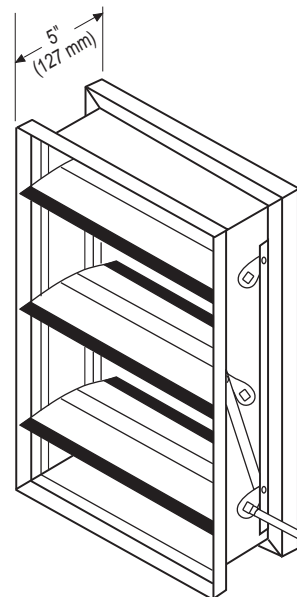
MODEL SCD-IB-59 INSULATED BLADE AIRFOIL CONTROL DAMPER

Standard Construction:

- Frame:** Roll-formed galvanized steel hat-section with staked corners with integral bracing.
- Blades:** Extruded Aluminum, 6" wide (152.4 mm) Airfoil Profile, heavy gauge 6063 T5 extrusion. Fiberglass insulated.
- Bearings:** Nylon. Press-fit into frame.
- Axles:** Square, plated steel.
- Seals:** Pressure sensitive 250°F dual durometer flade edge seals and flexible metal jamb seals.
- Linkage:** Concealed in frame. Linkage bars are 12 ga. galvanized steel.
- Finish:** Mill galvanized.
- Extended Shaft:** Removable, 6" long x 1/2" dia. (152 mm x 12.7 mm) plated steel coupled to square axle.
- Maximum Temperature:** 250°F
- Sizes:** Minimum size: 8"w x 8"h (203 mm x 203 mm)
Maximum size: Single section - 60"w x 72"h (1524 mm x 1829 mm)
Multiple section - size unlimited

Options:

- Bearings:** Bronze Oilite.
Press fit into frame.
- Notes:**
- Dampers fabricated 1/4" (6.4 mm) under opening size unless otherwise noted
 - All dimensions in () indicate millimeters
 - Not recommended with blades running vertically.
 - All dampers 32" and over are supplied with Jackshatting. (See Jackshatting & Enclosure submittal drawing for details).



Features

- The SCD-IB-59 series Control Dampers have been designed and tested to provide the ultimate in performance features for sophisticated HVAC systems. Fiberglass insulated blades minimize energy loss through the closed damper and makes the SCD-IB-59 ideal for outside air intake and exhaust applications. Streamlined ("airfoil") blades provide reduced turbulence and noise. Inflatable blade edge and jamb seals allow extremely tight sealing without unduly increasing torque requirements.
- The SCD-IB-59 series damper's rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. This insures on site performance equal to test results.
- The SCD-IB-59 series dampers have been leakage tested to AMCA standard 500 with the following results:

LEAKAGE cfm/SQ. FT.	AT 1.0" STATIC PRESSURE	AT 4.0" w.g.	AT 8.0" w.g.
	3.0	5.0	7.0

- SCD-IB-59 is available in either parrallel or opposed blade models.
- Factory installed electric or pneumatic operators are available.

Suggested Specification

Low Leakage Control dampers shall be Model: SCD-IB-59 by NCA Manufacturing. Damper blades shall be of double-skinned streamlined ("airfoil") construction for minimum pressure drop. Blades shall be insulated with fiberglass. Both blade edge and jamb seals shall be of the pressure sensitive type for low leakage. Dampers shall be rated for leakage and pressure drop to AMCA Standard 500. Leakage shall not exceed 5 cfm/sq. ft. at 4.0" static pressure.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

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Project:

Contractor:

Location:

Address:

Architect:

P.O. Number:

Engineer:

Date: