

# SUGGESTED SPECIFICATIONS

## TAMCO SERIES 1500 ENHANCED AIR-FOIL CONTROL DAMPER

- 15.0 Extruded aluminum (6063T5) damper frame shall not be less than .080" (2.03mm) in thickness. Damper frame to be 4" deep.
- 15.1 Blades to be extruded aluminum (6063T5) profiles. Aluminum end caps required and are to be press fitted to blade ends in order to seal hollow interior and reduce air leakage rate.
- 15.2 Blade and frame seals shall be of extruded silicone. Seals are to be secured in an integral slot within the aluminum extrusions. Silicone seals must be proven to maintain leak rates between -40°F (-40°C) and 212°F (100°C). Steel spring seals are not acceptable.
- 15.3 Bearings are to be composed of a Celcon inner bearing fixed to a  $\frac{7}{16}$ " (11.11mm) aluminum hexagon blade pin, rotating within a polycarbonate outer bearing inserted in the frame, resulting in no metal-to-metal or metal-to-plastic contact. "Oillite" type bearings are not acceptable.
- 15.4 Linkage hardware shall be installed in the frame side and constructed of aluminum and corrosion-resistant, zinc-plated steel, complete with cup-point trunnion screws for a slip-proof grip.
- 15.5 Dampers are to be designed for operation in temperatures ranging between -40°F (-40°C) and 212°F (100°C).
- 15.6 Dampers shall be available with either opposed blade action or parallel blade action.
- 15.7 Dampers shall meet Leakage Class I rating. Standard air leakage data to be certified under the AMCA Ratings Program.
- 15.8 Pressure drop of a fully open 48" x 48" (1220mm x 1220mm) damper shall not exceed .02" (.004kPa) w.g. at 1000 fpm (5.08 m/s).
- 15.9 Dampers shall be made to size required without blanking off free area.
- 15.10 Dampers shall be available in two mounting types: i.e., "Installed in Duct" or "Flanged to Duct".
- 15.11 Installation of dampers must be in accordance with current manufacturer's installation guidelines provided with each shipment of TAMCO dampers. (Note all technical information available on TAMCO's web site at [www.tamco.ca](http://www.tamco.ca) supersedes and takes precedence over all information contained within the printed catalog.)
- 15.12 Intermediate or tubular steel structural support is required to resist applied pressure loads for dampers that consist of two or more sections in both height and width. (See TAMCO Aluminum Damper Installation Guidelines.)
- 15.13 Acceptable product shall be TAMCO Series 1500 Enhanced Air-Foil Control Damper, as manufactured by T. A. Morrison & Co., Inc. (Tel: 1-800-561-3449, USA & Canada)