

# (OBN) Opposed Blade Non-Sealed Balancing Damper

## Description:

The OBN non-sealed balancing dampers offer a sturdy steel construction. The damper frame is a 16ga galvanized welded hat channel design to keep the damper square and true to form. The blades are formed 16ga galvanized with linkage in the airstream for better blade operation. Bronze oilite bushings offer low maintenance and ease of operation. Dampers of the same height can easily operate sectioned together by linking the blade with a connecting rod from one damper section to the blade of the next damper section. Please consult factory for best options.

## Standard Construction:

**List dampers duct size (WxH) width x height. All dampers will be 1/4" smaller both ways**

- Frame:** 16ga galvanized formed hat channel welded construction
- Frame Dimensions:** 3- 7/8" Hat channel (11/16 x 5/8 x 2-1/2 x 5/8 x 11/16)
- Blades:** 16ga galvanized rib formed (3V), 8" maximum blade width
- Finish:** Mill
- Bushings:** Bronze 1/2" round oilite
- Control rod:** 1/2" round CRS plated 9" long
- Axles:** 1/2" round x 2-1/2" long CRS plated
- Hardware:** Plated steel - brass pivots - 1/4" round linkage rods
- Mfg. options:** Stainless Steel – all stainless steel  
Aluminum – aluminum with st. stl set screws, bronze bushings/pivots
- Options:** Quadrants 1/2" round – either galvanized or stainless steel (both with cast handle).  
Above quadrants with 2" standoff in galvanized, stainless steel or aluminum.  
Plate on control rod side to install in existing duct.  
Nylon bushings installed upon request

**Maximum single section width:** 48"

**Maximum single section size:** 48" x 72"

**Multiple section assembly:** Yes - Call factory for best options

**Minimum size:** 6" x 6"

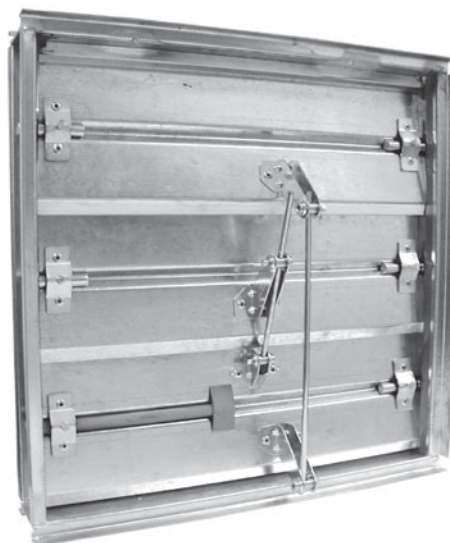
**Minimum multi-blade size:** 6" x 12"

**One blade style:** 11" blade height and under

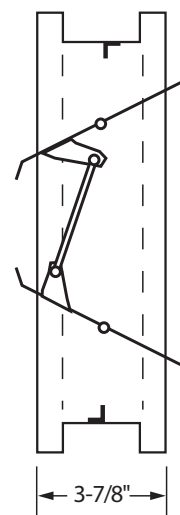
**Multi-blade style:** 12" blade height and above

**Maximum velocity:** 2000 fpm

Damper height	Number of blades
11" and under	1 blade
12"-18"	2 blades
19"-24"	3 blades
25"-32"	4 blades
33"-40"	5 blades
41"-48"	6 blades
49"-55"	7 blades
56"-63"	8 blades
64"-72"	9 blades



**Model: OBN**  
Opposed Blade  
Non-Sealed Damper



**Standard Metal Products Mfg. LLC**

DAMPERS & LOUVERS FOR THE HVAC INDUSTRY

WWW.SMPMFG.COM



YELLOW LABEL