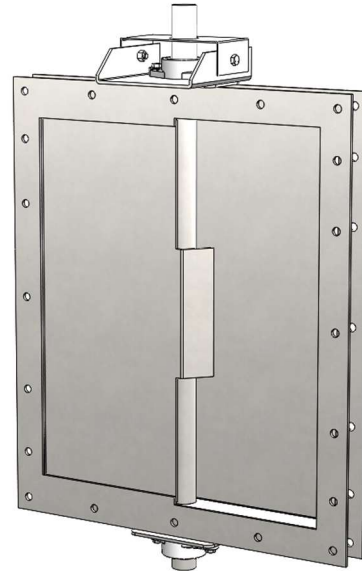


# Standard Industrial Rectangular Actuated Damper

VentilationComponents.com's rectangular actuated dampers are durable and cost effective.



## Application

- Use for tight shut off or balancing of an air stream
- Various sizes available, built to suit rectangular ducts and equipment
- Differential pressure ratings ranging from 15inWC to 50inWC available, with higher pressure ratings up to 100inWC available upon request

## Features

- Flanged inlet and outlet connections
- Tight sealing positive stop blade
- Can be fitted with manual locking quadrant gear box with chain wheel, positioned rotary actuator, or cylinder lever actuator
- Available in a variety of materials

## Benefits

- Short flange to flange connection
- Duct can be disconnect on one side to leave branch isolated
- Simple, reliable, and easy to maintain
- Heavy duty construction

## Options

### Size

Sizes ranging from 8.00in x 8.00in to 48.00in x 48.00in inside flange are available. For larger sizes, see our rectangular multi blade dampers.

### Pressure rating

Three different pressure ratings are offered: up to 15inWC, up to 30inWC, and up to 50inWC. Custom pressure ratings up to 100inWC are available upon request.

### Flange bolt pattern

The flange bolt patterns follow our standard. Different patterns are available upon request.

### Shaft End Type

The shaft end, and corresponding custom actuator mounting piece, are built to suit.

### Actuator supply

An actuator and accessories can be supplied upon request.

### Materials

A variety of materials are offered to suit different applications.

#### Primary material

- 304 stainless steel
- 316 stainless steel
- Corten steel
- Carbon steel painted, moderate exposure

#### Bearing type

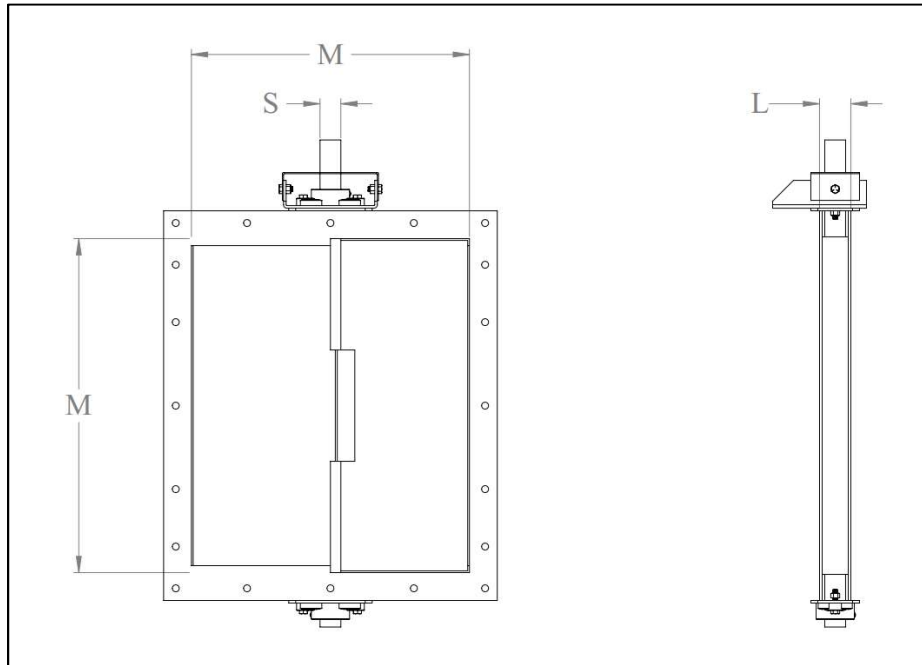
- Regular
- High temperature

#### Hardware material

- 304 stainless steel
- 316 stainless steel
- Type 18-8 stainless steel
- Zinc chromate grade 5
- Carbon steel grade 5

Other materials not listed are available upon request.

### Data and dimensions

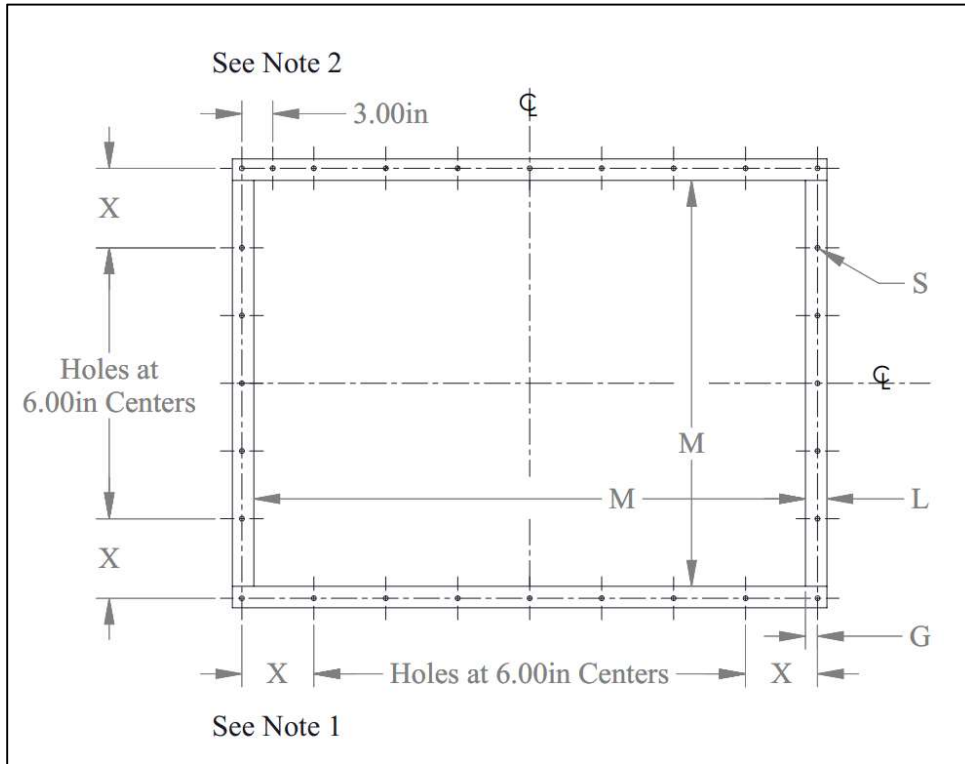


Item Number	"M" Largest Dimension Width or Height		Nominal Pressure Rating	"L" Length	"S" Shaft Size Diameter	Actuator Minimum Torque Required
	M <sub>LOWER</sub>	M <sub>UPPER</sub>				
	inches	inches				
DA-07-[8.00 to 16.00]-15	8.00	16.00	15	1.50	1.00	38
DA-07-[8.00 to 16.00]-30	8.00	16.00	30	1.50	1.00	71
DA-07-[8.00 to 16.00]-50	8.00	16.00	50	1.50	1.00	118
DA-07-[16.01 to 24.00]-15	16.01	24.00	15	1.50	1.00	89
DA-07-[16.01 to 24.00]-30	16.01	24.00	30	2.00	1.50	178
DA-07-[16.01 to 24.00]-50	16.01	24.00	50	2.25	1.50	296
DA-07-[24.01 to 31.00]-15	24.01	31.00	15	2.25	1.50	206
DA-07-[24.01 to 31.00]-30	24.01	31.00	30	2.25	1.50	401
DA-07-[24.01 to 31.00]-50	24.01	31.00	50	2.75	2.00	693
DA-07-[31.01 to 39.00]-15	31.01	39.00	15	2.25	1.50	337
DA-07-[31.01 to 39.00]-30	31.01	39.00	30	3.00	2.00	684
DA-07-[31.01 to 39.00]-50	31.01	39.00	50	3.00	2.00	1176
DA-07-[39.01 to 46.00]-15	39.01	46.00	15	3.00	2.00	603
DA-07-[39.01 to 46.00]-30	39.01	46.00	30	3.00	2.00	948
DA-07-[39.01 to 46.00]-50	39.01	46.00	50	3.50	2.50	1719
DA-07-[46.01 to 48.00]-15	46.01	48.00	15	3.50	2.50	679
DA-07-[46.01 to 48.00]-30	46.01	48.00	30	4.00	2.50	1215
DA-07-[46.01 to 48.00]-50	46.01	48.00	50	4.00	3.00	1858

Notes

1. Nominal Size to be specified by customer.
2. 3D model files and general arrangement drawings with installation details available upon order.

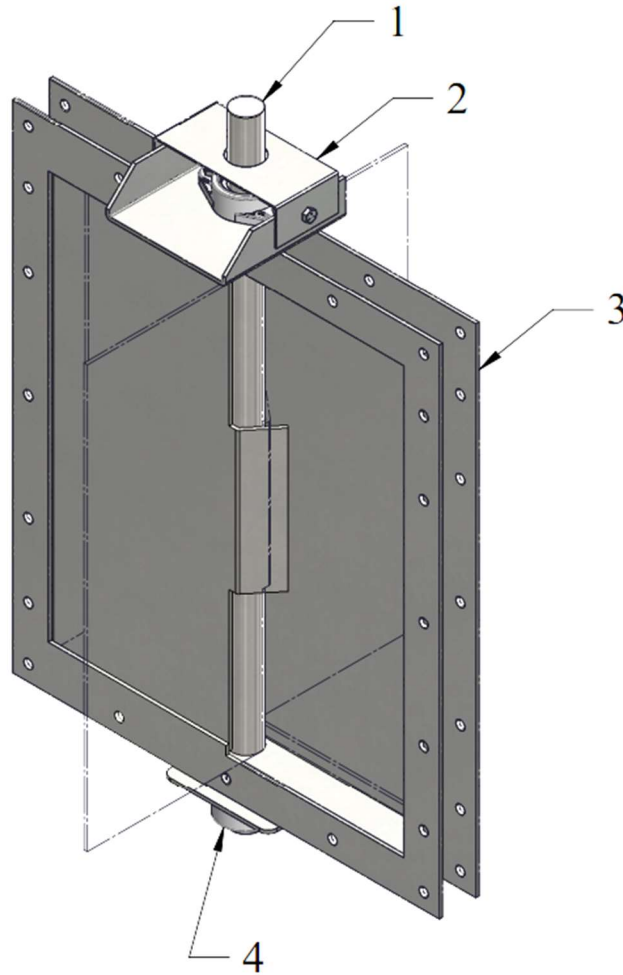
### Standard rectangular flange details



"M" Largest Dimension Width or Height		"L" Flange Leg	"G" Gauge	"S" Hole Diameter	Bolt Size
$M_{\text{LOWER}}$	$M_{\text{UPPER}}$				
inches	inches	inches	inches	inches	inches
0	31.00	1.50	0.875	0.500	3/8
31.01	39.00	2.00	1.125	0.500	3/8
39.01	78.00	2.50	1.375	0.625	1/2
78.01	101.00	3.00	1.750	0.625	1/2
101.01	120.00	4.00	2.250	0.625	1/2

Notes

1. "X" is minimum 2.50in and maximum 8.50in.
2. If "X" is greater than 6.00in, add an extra hole 3.00in from corner hole.
3. Holes always land on centerlines and corners.



### Parts list

Number	Quantity	Description
1	1	Shaft and blade weldment
2	1	Actuator mount piece
3	1	Main weldment
4	2	Bearing

Notes

1. All hardware provided, unit is assembled when delivered.

## How to order

To fully specify the DA-07 Rectangular Actuated Damper, make a selection from the code boxes below.

**Example:** DA-07-C-2-R-3-30-S-C-C, shown below, is a rectangular actuated damper with 316 stainless steel as the primary material, regular bearings, type 18-8 stainless steel hardware, a 30inWC pressure rating, and our standard bolt pattern. The customer has specified that the damper be 44.00in height and 20.00in width and has provided instructions for the shaft end and actuator mount requirements.

1	2	3	4	5	6	7	8	9	10
DA	07	C	2	R	3	30	S	C	C
Specifications									
Please provide a drawing for our approval of a 44.00in height and 20.00in width rectangular actuated damper, as specified, with a shaft end and actuator mount that suits the rotary actuator in the attached document.									

1 Equipment type			
DA	Damper		
2 Equipment sub-type			
07	Rectangular Actuated Damper		
3 Nominal size			
C	Customer Specified Size		
4 Primary material			
1	304 Stainless Steel	4	Painted Carbon Steel, Moderate Exposure
2	316 Stainless Steel	C	Customer Specified Material
3	Corten Steel		
5 Bearing type			
R	Regular	C	Customer Specified Type
H	High Temperature		
6 Hardware material			
1	304 Stainless Steel	4	Zinc Chromate Grade 5
2	316 Stainless Steel	5	Carbon Steel Grade 5
3	Type 18-8 Stainless Steel	C	Customer Specified Material
7 Pressure rating			
15	15inWC, Up to 4500fpm	50	50inWC, Up to 6000fpm
30	30inWC, Up to 5000fpm	C	Customer Specified Pressure Rating
8 Flange bolt pattern			
S	Standard	C	Customer Specified Flange Bolt Pattern
9 Actuator and accessories supply			
C	Customer	V	VentilationComponents.com
10 Shaft end type and mount details			
C	Customer Supplied Details	V	VentilationComponents.com Supplied Details

Many types of customizations are available upon request.

**Note:** There are various factors which should be considered when selecting a damper for a specific application. Some of these factors are outside of the scope of this data sheet. If you have any questions regarding the application, compatibility, or use of this damper, contact [VentilationComponents.com](http://VentilationComponents.com) for more information.





Contact@VentilationComponents.com