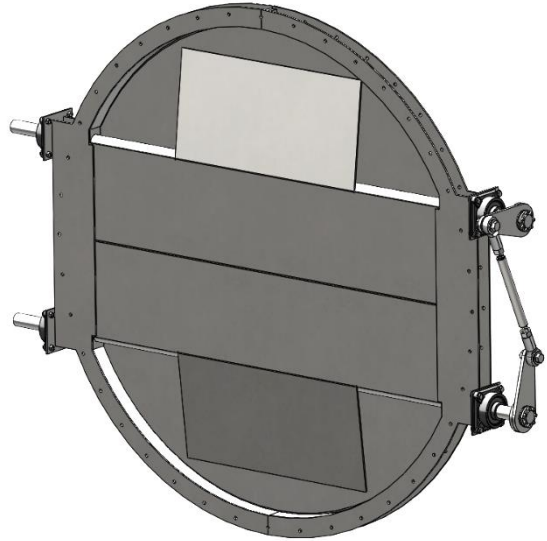


Standard Industrial Round Actuated Dual Blade Damper

VentilationComponents.com's round actuated dual blade dampers are durable and cost effective.



Application

- Use for tight shut off or balancing of an airstream
- Various sizes available, built to suit round 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 blades
- Can be fitted with a gear box and chain wheel, positioned rotary actuator, or cylinder lever actuator
- Available in a variety of materials
- Levers and link rod ensure blades move symmetrically

Benefits

- Short flange to flange connection
- Downstream air flow is more uniform than it would be with a single blade damper
- Simple, reliable, and easy to maintain
- Heavy duty construction

Options

Size

Sizes ranging from 36.00in to 120.00in inside flange are available. Larger sizes are available upon request.

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.

Actuator Mounting

The shaft ends, and any corresponding custom actuator mounting pieces, 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

Blade seal material

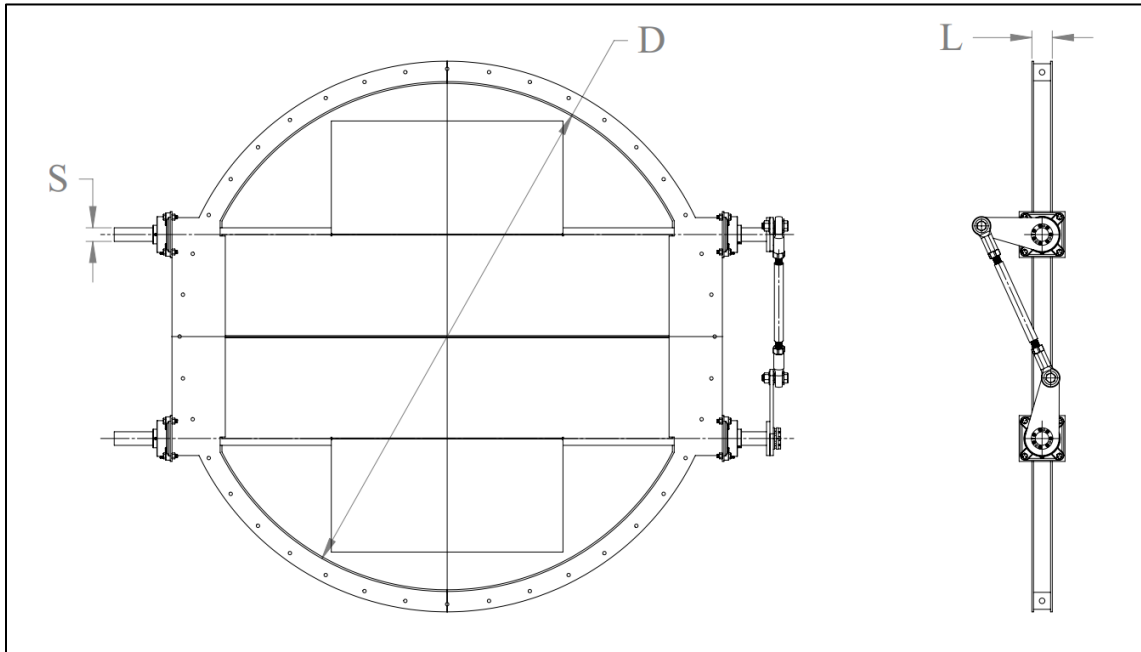
- High strength rubber hose

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



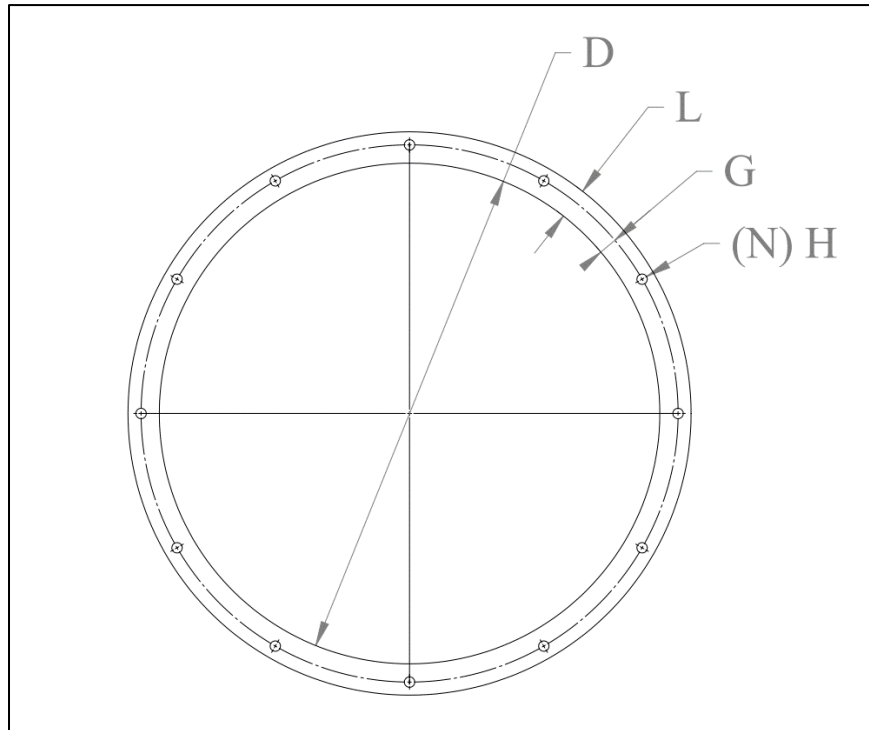
Item Number	"D" Nominal Size		Nominal Pressure Rating	"L" Length	"S" Shaft Size Diameter (Typ.-2)	Actuator Minimum Torque Required
	D _{LOWER}	D _{UPPER}				
	inches	inches				
DA-06-[36.00 to 39.00]-15	36.00	39.00	15	2.00	1.00	428
DA-06-[36.00 to 39.00]-30	36.00	39.00	30	2.00	1.00	806
DA-06-[36.00 to 39.00]-50	36.00	39.00	50	2.25	1.00	1395
DA-06-[39.01 to 46.00]-15	39.01	46.00	15	2.00	1.00	643
DA-06-[39.01 to 46.00]-30	39.01	46.00	30	2.00	1.00	1094
DA-06-[39.01 to 46.00]-50	39.01	46.00	50	2.25	1.00	1797
DA-06-[46.01 to 54.00]-15	46.01	54.00	15	2.00	1.00	856
DA-06-[46.01 to 54.00]-30	46.01	54.00	30	2.50	1.50	1308
DA-06-[46.01 to 54.00]-50	46.01	54.00	50	2.75	1.50	2120
DA-06-[54.01 to 62.00]-15	54.01	62.00	15	2.25	1.25	1006
DA-06-[54.01 to 62.00]-30	54.01	62.00	30	2.50	1.50	1758
DA-06-[54.01 to 62.00]-50	54.01	62.00	50	2.75	1.50	2389
DA-06-[62.01 to 70.00]-15	62.01	70.00	15	2.25	1.25	1204
DA-06-[62.01 to 70.00]-30	62.01	70.00	30	2.50	1.50	1996
DA-06-[62.01 to 70.00]-50	62.01	70.00	50	3.25	2.00	2194

Item Number	"D" Nominal Size		Nominal Pressure Rating	"L" Length	"S" Shaft Size Diameter (Typ.-2)	Actuator Minimum Torque Required
	D _{LOWER}	D _{UPPER}				
	inches	inches				
DA-06-[70.01 to 78.00]-15	70.01	78.00	15	2.50	1.50	1489
DA-06-[70.01 to 78.00]-30	70.01	78.00	30	3.00	2.00	2208
DA-06-[70.01 to 78.00]-50	70.01	78.00	50	3.25	2.00	2565
DA-06-[78.01 to 86.00]-15	78.01	86.00	15	2.75	1.50	1785
DA-06-[78.01 to 86.00]-30	78.01	86.00	30	3.25	2.00	2507
DA-06-[78.01 to 86.00]-50	78.01	86.00	50	3.75	2.25	2936
DA-06-[86.01 to 94.00]-15	86.01	94.00	15	2.75	1.50	1990
DA-06-[86.01 to 94.00]-30	86.01	94.00	30	3.50	2.00	2808
DA-06-[86.01 to 94.00]-50	86.01	94.00	50	4.00	2.50	3451
DA-06-[94.01 to 101.00]-15	94.01	101.00	15	3.25	2.00	2149
DA-06-[94.01 to 101.00]-30	94.01	101.00	30	3.50	2.00	3101
DA-06-[94.01 to 101.00]-50	94.01	101.00	50	4.00	2.50	3677
DA-06-[101.01 to 108.00]-15	101.01	108.00	15	3.25	2.00	2475
DA-06-[101.01 to 108.00]-30	101.01	108.00	30	4.00	2.50	3590
DA-06-[101.01 to 108.00]-50	101.01	108.00	50	4.00	2.50	4048
DA-06-[108.01 to 120.00]-15	108.01	120.00	15	3.75	2.50	2803
DA-06-[108.01 to 120.00]-30	108.01	120.00	30	4.50	3.00	3873
DA-06-[108.01 to 120.00]-50	108.01	120.00	50	4.50	3.00	4419

Notes

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

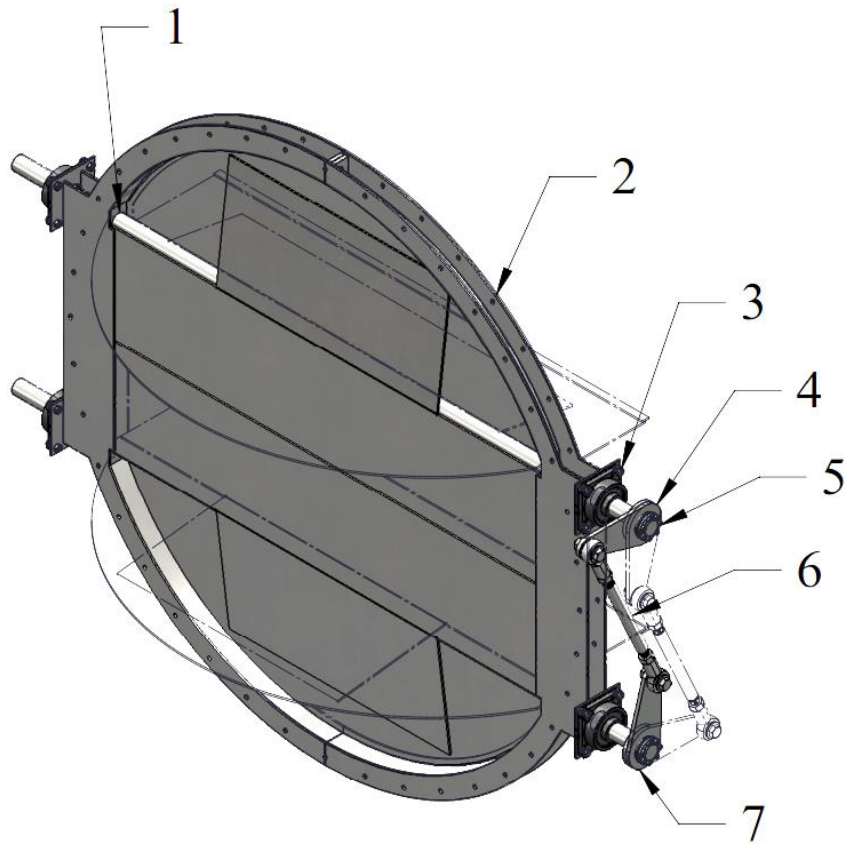
Standard round flange details



"D" Nominal Size		"L" Flange Leg	"G" Gauge	"N" Number of Holes	"H" Hole Diameter	Bolt Size
D _{LOWER} inches	D _{UPPER} inches					
0	8.00	1.50	0.875	4	0.500	3/8
8.01	16.00	1.50	0.875	8	0.500	3/8
16.01	24.00	1.50	0.875	12	0.500	3/8
24.01	31.00	1.50	0.875	16	0.500	3/8
31.01	39.00	2.00	1.125	20	0.500	3/8
39.01	46.00	2.50	1.375	24	0.625	1/2
46.01	54.00	2.50	1.375	28	0.625	1/2
54.01	62.00	2.50	1.375	32	0.625	1/2
62.01	70.00	2.50	1.375	36	0.625	1/2
70.01	78.00	2.50	1.375	40	0.625	1/2
78.01	86.00	3.00	1.750	44	0.625	1/2
86.01	94.00	3.00	1.750	48	0.625	1/2
94.01	101.00	3.00	1.750	52	0.625	1/2
101.01	108.00	4.00	2.250	56	0.625	1/2
108.01	120.00	4.00	2.250	60	0.625	1/2

Notes

1. Holes always land on centerlines.



Parts list

Number	Quantity	Description
1	4	Blade seal
2	1	Main weldment
3	4	Bearing
4	1	Upper blade weldment
5	2	Adjustable hub
6	1	Adjustable linkage
7	1	Lower blade weldment

Notes

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

How to order

To fully specify the DA-06 Round Actuated Dual Blade Damper, make a selection from the code boxes below.

Example: DA-06-C-2-H-R-3-30-S-C-C, shown below, is a round actuated dual blade damper with 316 stainless steel as the primary material, high strength rubber hose blade seals, 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 64.00in diameter and has provided instructions for the shaft end and actuator mount requirements.

1	2	3	4	5	6	7	8	9	10	11
DA	06	C	2	H	R	3	30	S	C	C
Specifications										
Please provide a drawing for our approval of a 64.00in diameter round actuated dual blade damper, as specified, with an upper shaft end and custom actuator mount that suits the cylinder actuator in the attached document.										

1	Equipment type									
DA	Damper									
2	Equipment sub-type									
06	Round Actuated Dual Blade 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	Blade seal material									
H	High Strength Rubber Hose				C	Customer Specified Material				
6	Bearing type									
R	Regular				C	Customer Specified Type				
H	High Temperature									
7	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				
8	Pressure rating									
15	15inWC, Up to 4500fpm				50	50inWC, Up to 6000fpm				
30	30inWC, Up to 5000fpm				C	Customer Specified Pressure Rating				
9	Flange bolt pattern									
S	Standard				C	Customer Specified Flange Bolt Pattern				
10	Actuator and accessories supply									
C	Customer				V	VentilationComponents.com				
11	Upper and lower shaft end types 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 for more information.

Contact@VentilationComponents.com