



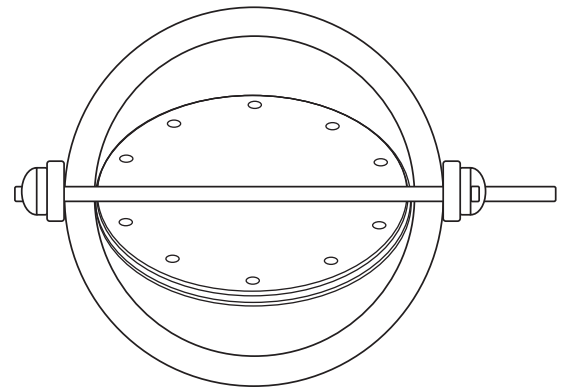
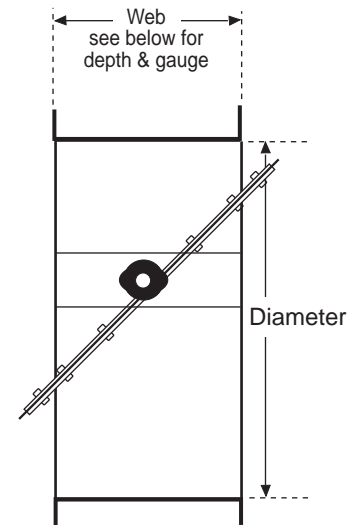
## MODEL PBD-500RS ROUND CONTROL DAMPER

### Standard Construction:

- Frame:** 8" (203 mm) deep, see dimension chart.  
**Blades:** 1/8" (3.2 mm) neoprene seal fastened between two layers of 10 ga. galvanized steel welded to shaft.  
**Bearings:** Ball bearings mounted external of frame with adjustable shaft seals.  
**Axles:** Continuous steel welded to blade, see dimension chart.  
**Operator:** Heavy duty quadrant.  
**Finish:** Epoxy coat.  
**Minimum Size:** 4" (101.6 mm) diameter.  
**Maximum Size:** 48" (1219 mm) diameter.  
**Maximum Temperature:** 250°F.  
**Maximum Pressure:** 15" w.g.  
**Maximum Velocity:** 6,000 fpm.

### Options:

- Bolt Holes:** Bolt holes laid out to specification.  
**Operators:** Motor Operators.  
**Materials:** Special Materials or gauges.  
**Notes:** • All dampers must be installed square and free from racking.



PBD-500RS - 02-05

Dimensions				
Diameter		Flange	Web	Axle Diameter
4" - 8" (101 mm - 203 mm)		1-1/4" (31.8 mm) x 10 ga.	6" (152 mm) x 10 ga.	1/2" (12.7 mm)
9" - 12" (228 mm - 304 mm)		1-1/2" (38 mm) x 10ga.	9" (228 mm) x 10 ga.	3/4" (19.1 mm)
13" - 24" (330 mm - 609 mm)		1-1/2" (38 mm) x 10ga.	9" (228 mm) x 10 ga.	3/4" (19.1 mm)
25" - 32" (635 mm - 813 mm)		2" x 1/4" (51 mm x 6.4 mm)	12" x 1/4" (304 mm x 6.4 mm)	3/4" (19.1 mm)
33" - 44" (838 mm - 1117 mm)		2" x 1/4" (51 mm x 6.4 mm)	12" x 1/4" (304 mm x 6.4 mm)	1" (25.4 mm)
45" - 48" (1143 mm - 1219 mm)		2" x 1/4" (51 mm x 6.4 mm)	12" x 1/4" (304 mm x 6.4 mm)	1-1/2" (38 mm)

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: