HEAVY DUTY ROUND CONTROL DAMPER

MODEL: HDCD92R



STANDARD CONSTRUCTION

FRAME:
Steel channel

BLADES:
Steel, stiffened as required

MAXIMUM TEMPERATURE:
250 deg. F is standard

FINISH:
Aluminium paint with some parts mill

AXLES:
Continuous, plated steel axle, angle reinforced as required.
See table below for axle dia.

CONTROL SHAFT:
Axle extends 6” from frame

BEARINGS:
Grease lubricated ball bearings bolted to frame

BLADE STOP:
½” x ¼” Steel bar on dampers under 17” in dia.
½” x ½” steel bar on damper 17” in dia. And larger.

MINIMUM SIZE
4” dia

MAXIMUM SIZE
72” dia

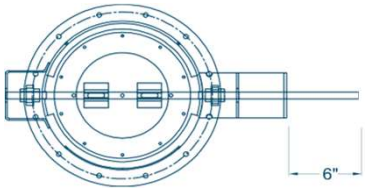
OPTIONAL BOLT HOLES AS SHOWN
S= Holes Straddle Axle (Shown)
M=diameter Of Holes
H= Number Of Holes (Even Number Only)
T= Holes Parallel With Axle O (Not Shown)

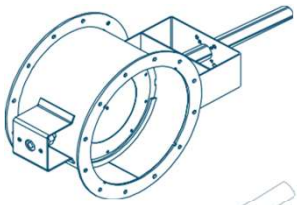
Dimensions in brackets () indicate millimeters.

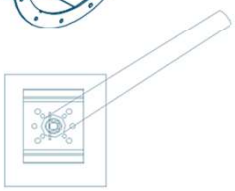
Inside diameter (D)		Blade	Axle	Frame	
Above	Through	Thickness	Diameter	Flange (F)	Web(C)
4" (102)	8 3/4" (222)	1/4" (6)	1/2" (13)	1 1/4" X 10 ga,	6"x 10 ga.
8 3/4" (222)	11 3/4" (299)	1/4" (6)	3/4" (19)	1 1/4" X 10 ga.	9"x 10 ga.
11 3/4" (299)	14" (356)	1/4" (6)	3/4" (19)	1 1/2" X 10 ga.	9"x 10 ga.
14" (356)	24" (610)	1/4" (6)	3/4" (19)	1 1/2" X 1/4"	9"x 10 ga.
24" (610)	32"(813)	1/4" (6)	3/4" (19)	2"xl/4"	9" xl/4"
32" (813)	44"(1118)	1/4" (6)	1" (25)	2"xl/4"	9" xl/4"
44" (1118)	48" (1219)	1/4" (6)	11/2" (38)	2"xl/4"	9" xl/2"
48" (1219)	52" (1321)	1/4" (6)	11/2" (38)	2 1/2" X 5/16"	9" xl/4"
52" (1321)	72" (1829)	3 / 8" (101)	2" (51)	2 1/2" X 5/16"	9" xl/4"

FRAME	BLADES	SEALS
Steel channel	Steel stiffened as required	Silicone 400 deg F (204 deg C) Blade seal
304 Stainless steel (OPT)	304 Stainless steel (OPT)	Axle shaft seal

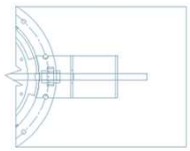
BEARINGS	AXLE	ACCESSORIES (OPT)
Re-lubricable ball bearing bolted to frame	Plated continuous 6" extension beyond frame	Bolt holes in 1 flange
Re-lubricable ball bearing mounted outboard of frame W/ shaft seals (OPT)	304 Stainless steel (OPT)	Bolt holes in both flanges
		Manual actuator no.
		Manual actuator cl..
		Electric actuator
		Pneumatic actuator







Hand Quadrant



Out Board Bearings W / Shaft Seals (Opt)

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