

Round Duct Balancing Dampers – SP & SPM

Model: SP – Round Duct Damper with Manual Operator

Material:

Case: 0.55 mm Galvanised Mild Steel.

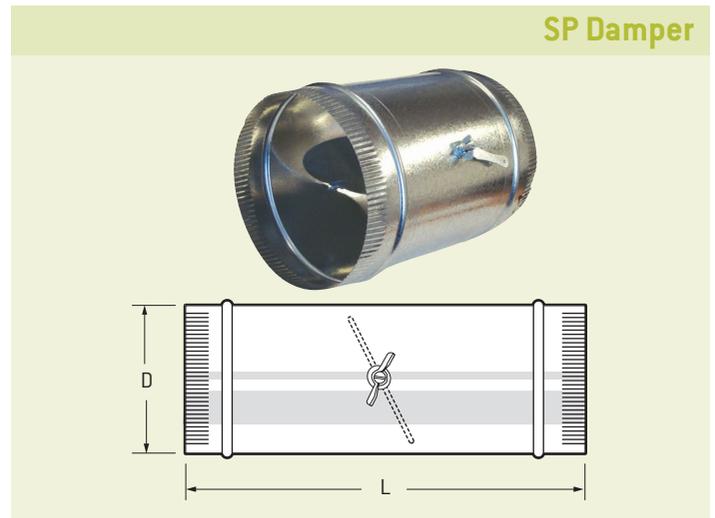
Blade: 0.75 mm Galvanised Mild Steel.

Bearings: Galvanised Steel Pins.

A robust, in-line, round duct balancing damper, with single disc blade and manual quadrant, with locking wing nut. Complete with crimped ends for ease of fitment within spiral ducting.

Typical utilised for low velocity, low pressure branch take-offs.
Install with blade horizontal.

Note: Not suitable for 'Shut Off' applications, (refer to section H, HCD product).



Guide Product Weights	
Size	Approximate Weight in Kg.
200 x 200	0.40
200 x 300	0.60
300 x 600	1.60
Size	EGL
300 x 200	0.60
400 x 200	0.80
600 x 200	1.20

Size 'D' Diameter	Size 'L' Length	Approximate Weight Kg
100	230	0.43
125	230	0.54
150	230	0.66
175	230	0.78
200	250	1.00
225	275	1.20
250	300	1.45
275	325	1.72
300	350	2.02
350	400	2.69

Model: SPM – Round Duct Damper with Hexagon Shaft for Motorised Operation

Material:

Case: 0.75 mm Galvanised Mild Steel.

Blade: 2 layers 0.75 mm Galvanised Mild Steel.

Bearings: 2 Piece Acetal.

Shaft: Aluminium Hexagon, 100 mm.

A robust, in-line, round duct balancing damper, suitable for motorised operation, complete with a sturdy double skin, single disc blade and extended shaft, to allow for insulation, (by others), when mounting the actuator.

Typically utilised for balancing of low or medium velocity and pressure, spiral duct.

Install with blade horizontal.

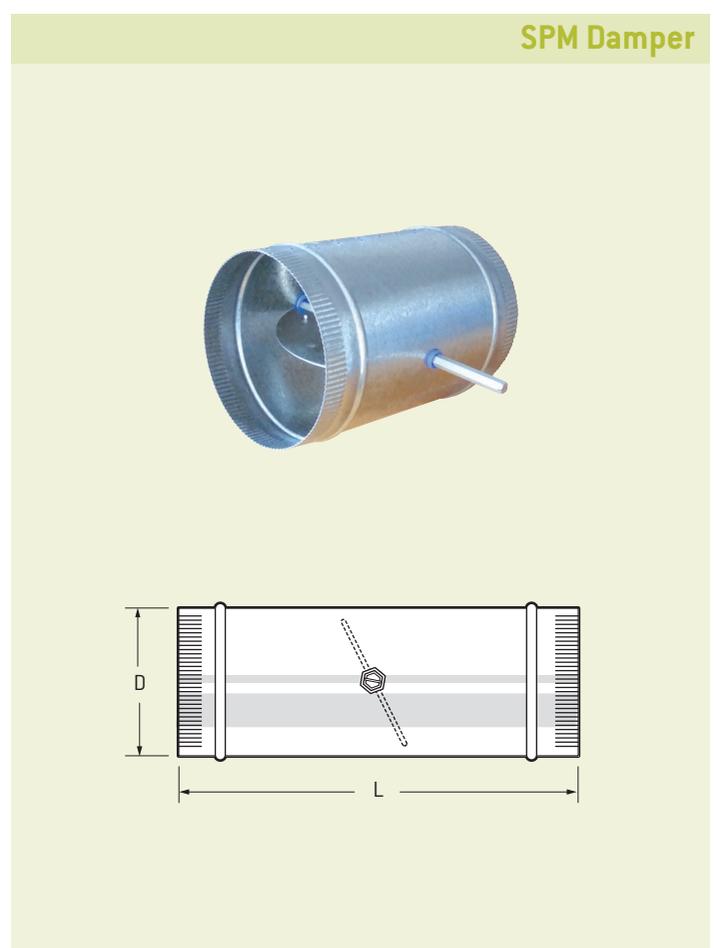
Notes

1. Not suitable for 'Shut Off' applications, [refer to section H, HCD product].

2. SPM damper length extended by 100 mm, for spring return applications.

3. A complete range of Rigid, Semi-Rigid and Flexible ducting is available, refer to Section J.

Size 'D' Diameter	Size 'L' Length	Approximate Weight Kg
100	300	0.56
125	300	0.77
150	300	0.94
175	300	1.08
200	300	1.31
225	300	1.51
250	300	1.74
275	325	2.06
300	350	2.44
350	400	3.27



Product Ordering Key and Suggested Specifications

Product Reference	Quantity +	Description	Listed Size, W x H or Diameter +	Specification
ADC-2	1	Access Door Tab Type with Cam Locks.	450 x 450	ADC-2 and ADH-2 - Access Doors shall be constructed from double skin galvanized mild steel and are complete with cam locks and hinges, as appropriate. Dove tailed frame tabs are supplied for ease of installation. All shall be as manufactured by Holyoake.
ADH-2	5	Access Door Tab Type Hinged with Cam Locks.	200 x 200	
APP	4	Access Pressed Panel.	APP-SML (250 x 150) APP-MED (300 x 200) APP-LGE (450 x 350)	APP - Access Pressed Panels shall be constructed from galvanized mild steel and are complete with locking knobs. All shall be as manufactured by Holyoake.
AS25L	3	Air Scoop, Blades Parallel to Long Dimension.	900 x 300	AS25/AS50 Air Scoops - shall be constructed from a zinc coated steel casing with gang operated parallel blades (at 25, or 50 mm Pitch) and a hinged pre-punched strip, for setting. All shall be as manufactured by Holyoake.
AS25S	1	Air Scoop, Blades Parallel to Short Dimension.	300 x 900	
AS50L	5	Air Scoop, Blades Parallel to Long Dimension.	900 x 300	
AS50S	7	Air Scoop, Blades Parallel to Short Dimension.	300 x 900	
CH		Cushion Head - Ordering Codes & Specifications are shown on Page 376K & 386K		
DA25	4*	25 mm Duct Flange 5.8 m length.		DUCT FLANGE Duct Flanging System - For secure airtight joints for ductwork, dampers, and accessories. All shall be as supplied by Holyoake.
DA35	4*	35 mm Duct Flange 5.8 m length.		
DA25	16*	25 mm Corner (with clips) for use with DA25 Flange.		
DC35L	16*	35 mm Corner (with clips) for use with DA35 Flange.		
DCJ	256*	140 mm long snap on 'J' Cleats.		
DM SEAL	3*	15 m roll of Duct Flange Gasket Tape.		
* Guide to form 8 o° 12 00 x 1200 Flange Assemblies.				
DUCT TAPE	5	Each.	Silver Duct Tape 48 mm x 55 mm.	Duct Tape - A premium grade polyethylene coated cloth duct tape. All shall be as supplied by Holyoake.
	1	Carton of 24.		
EGS	5	Equalising Grid, Square, or Short Blades (600 x 600 Maximum).	Grille/Diffuser Neck Size, or Nominal Neck Size	EGS / EGL - Equalising Grids shall be constructed from extruded aluminium blades and Casing, stainless steel friction wire interlaced with blade axles, hold the required setting. Bright zinc plated clips fix the grids to the neck of the diffusers, or grille. All shall be as manufactured by Holyoake.
EGL	4	Equalising Grid, Long Blades (600 x 600 Maximum).	Grille/Diffuser Neck Size, or Nominal Neck Size	
OBD-1	5	Extruded Black Anodised Aluminium - OBD.	200 x 200	OBD - Opposed Blade Dampers shall be constructed from extruded black anodised aluminium. All shall be as manufactured by Holyoake.
OBD-2	7	Extruded Black Anodised Aluminium - OBD.	300 x 300	
OBD-3	2	Extruded Black Anodised Aluminium - OBD.	500 x 200	

+ Example

ACCESSORIES

Product Ordering Key and Suggested Specifications

Product Reference	Quantity +	Description	Listed Size, W x H, or Diameter +	Specification
PDI	3	Pressure Differential Indicator Sensor.	100 DIA	PDI/PDIA/FM-PDI/FM-PDIA/DM-PDIA/PDI-BS/PDIA-BS- Pressure Differential Indicator sensors and Flow Measuring and Flow Balancing stations shall be constructed from small diameter tubing with Galvanised steel sleeves and disc dampers where appropriate. All shall be as manufactured by Holyoake.
PDIA	7	Pressure Differential Indicator Sensor - Amplified.	150 DIA	
FM-PDI	2	PDI Flow Measuring Station.	300 DIA	
FM-PDIA	3	PDI Flow Measuring Station - Amplified.	400 DIA	
DM-PDIA	6	Flange Mounted PDIA for Rectangular Ducts.	Size 150	
PDI-BS	3	Flow Balancing Station.	100 DIA	
PDIA-BS	3	Flow Balancing Station - Amplified.	175 DIA	
PREMI-CH		PREMI-AIRE™ Cushion Head - Ordering Codes and Specification are shown on Page 386K.		
PREMI-AIRE™		PREMI-AIRE™ Pre-Insulated Duct System. See Page 387K.		
RD	20	Radial Balancing Damper.	RD 150	RD - Radial Balancing dampers shall be constructed from Galvanised Mild steel with UV Stabilized Fire Rated Polymer Drive Pinions. All shall be as manufactured by Holyoake.
SAB	10	Self Aligning Bend.	SAB 100	SAB - Self Aligning Bends shall be manufactured in four segments from Galvanized steel, to allow 90° to 180° bends. They shall be crimped both ends to insert into Spiroloc ducting. All shall be as manufactured by Holyoake.
SB (For use with CRA, CRP, CSRL, CSRLA, CSRV and CMP).	4	Sectorising Baffles.	Inlet DIA Neck Connection 300 DIA.	SB - Sectorising Baffles are satin etched black on steel and shall be manufactured in 45° sections, except CMP. All shall be as manufactured by Holyoake.
SPIN CON	10	Spin Connector (Suitable for Rigid, Semi Rigid and Flexible Ducting).	Nominal Duct DIA 300 DIA.	Spin Connectors/Spin Collars – shall be constructed from Galvanized Steel of 0.45 mm for sizes 100 - 250 mm and 0.55 mm for sizes 251 - 400 mm. For connection of Duct to Duct (Spin Con), or to provide a circular duct connection (Spin Collar), to a square, or rectangular plenum. All shall be as manufactured by Holyoake.
SPIN COL	5	Spin Collar (Suitable for Flexible Ducting).	Nominal Duct DIA 200 DIA.	
SSD	2	Stream Splitter Damper.	Neck Size 900 mm x 300 mm.	SSD - Stream Splitter Dampers shall be constructed from zinc coated steel finished in matt black and shall be designed to control volume and direction from a main to a branch duct. All shall be as manufactured by Holyoake.
SRA **	7	Square to Round Adaptor.	Nom W x H x DIA.	SRA/RRA/SSA – Square to Round, Rectangular to Round and Square to Square Adaptors shall be constructed from 0.55mm Galvanized Steel and shall be complete with a circular spin collar to suit circular duct, or a square duct connection. All shall be as manufactured by Holyoake.
RRA **	6	Rectangular to Round Adaptor.	Nom W x H x DIA.	
SSA **	7	Square to Square Adaptor.	Nom (W x H) x Nom (W x H).	
** (For use with HI35, EC125, OBD-1, 2, 3, RD, BD 85 and other options).				
TRV	5	Throwing Reduction Vanes.	300 mm x 300 mm 5 Vanes.	TRV - Throw Reducing Vanes shall be manufactured from sheet Aluminium and shall be affixed to the rear of a CMP Diffuser. All shall be as manufactured by Holyoake.
TVS	2	Turning Vane, Short Blades.	150 mm x 300 mm.	TVS/TVL – Turning Vanes have curved blades and shall be constructed from extruded aluminium. They shall be hinged and complete with a pre-punched strip for fixing. All shall be as manufactured by Holyoake.
TVL	2	Turning Vane, Long Blades.	300 mm x 150 mm.	
TVA-90	3	Turning Vane Arrangement, Inlet Adaptor.	Diffuser Neck 150 mm x 150 mm.	TVA-90/TVMAI-90/TVAI-90 and TVMA-90 - Turning Vane arrangements shall be constructed from zinc coated steel and finished in matt black and shall be designed to provide a better discharge pattern and accurate flow data, as appropriate. All shall be as manufactured by Holyoake.
TVMA-90	1	Turning Vane Arrangement with PDIA, Inlet Adaptor.	300 mm x 150 mm.	
TVAI-90	5	Turning Vane Arrangement, Inlet Adaptor (Insulated).	375 mm x 375 mm.	
TVMAI-90	2	Turning Vane Arrangement with PDIA, Inlet Adaptor (Insulated).	300 mm x 300 mm.	

+ Example