

M9000 Damper Accessory Kits

**M9000-150
Damper Mount
Linkage Kit with
M9000-152
Reinforcement
Plate**

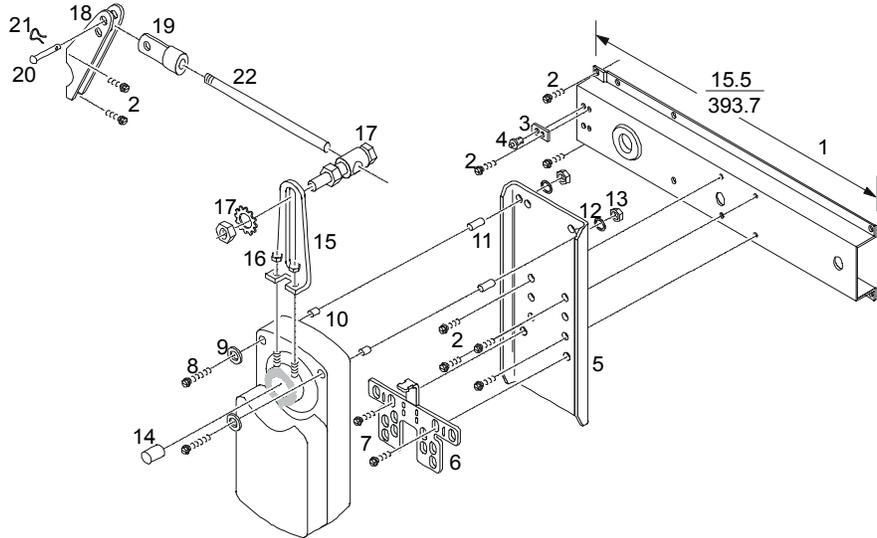


Figure 1: Damper Mount Linkage Kit, in./mm

Provides remote inside duct mounting for M9100 or M9200 Series actuators. Used on a 3-blade or larger Johnson Controls damper. Nominal spring return torque is 100 lb-in at the damper pin.

Table 1: Contents of Damper Mount Linkage Kit

Item	Description	Quantity	Item	Description	Quantity
1	Universal Mounting Bracket	1	12	Lock Washers	2
2	No. 12-24 x 1/2 in./13 mm Hex-head, Thread-forming Screws	9	13	Nuts	2
3	Bracket Reinforcement Link	1	14	Shaft Clamp Plug (from the M9000-153 Crank Arm Kit)	1
4	1/4 in. diameter x 11/32 in./ 8.7 mm Drive Rivet	1	15	M9000 Crank Arm (from the M9000-153 Crank Arm Kit)	1
5	Reinforcement Plate (M9000-152)	1	16	Nuts	*
6	Anti-rotation Bracket	*	17	Swivel Ball Joint	1
				Lock Washer	1
				Nut	1
7	Anti-rotation Bracket Screws	*	18	Blade Arm Bracket	1
8	Long Screws	2	19	Rod Connection Head	1
9	Washers (M9100 only)	2	20	Connection Head Pin	1
10	Inserts (M9100 only)	2	21	Connection Head Clip	1
11	Spacers	2	22	Rod	1

*Included with the actuator.

**M9000-151
Base Mount
Linkage Kit**

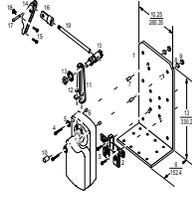


Figure 2: Base Mount Linkage Kit, in./mm

Provides remote inside duct mounting for M9100 and M9200 Series actuators. Used on a 3-blade or larger damper. Nominal spring return torque is 100 lb·in at the damper pin.

Table 2: Contents of Base Mount Linkage Kit

Item	Description	Quantity	Item	Description	Quantity
1	Upright Mounting Bracket	1	11	M9000 Crank Arm (from the M9000-153 Crank Arm Kit)	1
2	Anti-rotation Bracket	*	12	Nuts	*
3	Anti-rotation Bracket Screws	*	13	Swivel Ball Joint	1
				Lock Washer	1
				Nut	1
4	Long Screws	2	14	Blade Arm Bracket	1
5	Washers (M9100 only)	2	15	No. 12-24 x 1/2 in./13 mm Hex-head, Thread-forming Screws	2
6	Inserts (M9100 only)	2	16	Rod Connection Head	1
7	Spacers	2	17	Connection Head Pin	1
8	Lock Washers	2	18	Connection Head Clip	1
9	Nuts	2	19	Rod	1
10	Shaft Clamp Plug (from the M9000-153 Crank Arm Kit)	1			

*Included with the actuator.

M9000-153
Crank Arm Kit

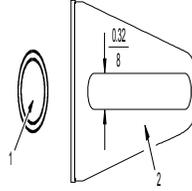


Figure 3: Crank Arm Kit, in./mm

Provides the crank arm and shaft plug for remote mounting the M9100 and M9200 Series actuators.

Table 3: Contents of Crank Arm Kit

Item	Description	Quantity
1	Shaft Clamp Plug	1
2	M9000 Crank Arm	1

M9000-154
1 in. Jackshaft
Coupler Kit

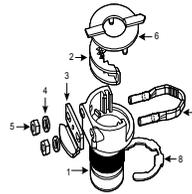


Figure 4: M9000-154 1 in. Jackshaft Coupler Kit

The M9000-154 1 in. Jackshaft Coupler Kit (1.05 in./26.7 mm maximum diameter) is for use with the M9108, M9116, M9124 Series, and M9216 Series electric motor actuators.

Table 4: Contents of 1 in. Jackshaft Coupler Kit

Item	Description	Quantity
1	Coupler	1
2	1.05 in. Clamp	1
3	Limit Stop	1
4	Washers	2
5	M6x1 Hex Nuts	2
6	Position indicator	1
7	1.05 in. U-bolt	1
8	Locking Clip	1

**M9000-800
Weathershield
Enclosure**

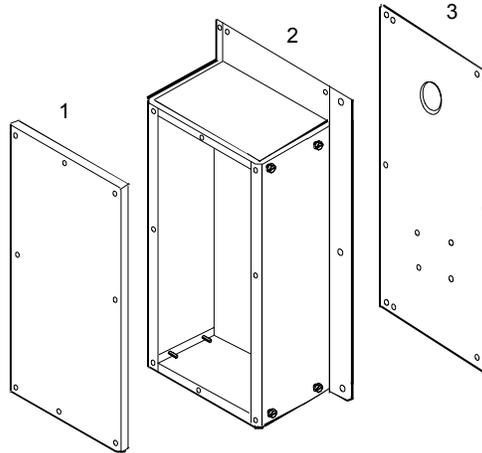


Figure 5: Weathershield Enclosure

Provides additional protection for M9100 and M9200 Series actuators that are mounted outdoors. Internal dimensions (H x W x D) are 13.75 in. x 7.75 in. x 6 in./349.25 mm x 196.85 mm x 152.40 mm.

Table 5: Contents of Weathershield Enclosure

Item	Description	Quantity
1	Cover	1
2	4-part Case	1
3	Actuator Mounting Plate	1
Included with Kit	No. 6-20 x 1/2 in. Screws	26



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