

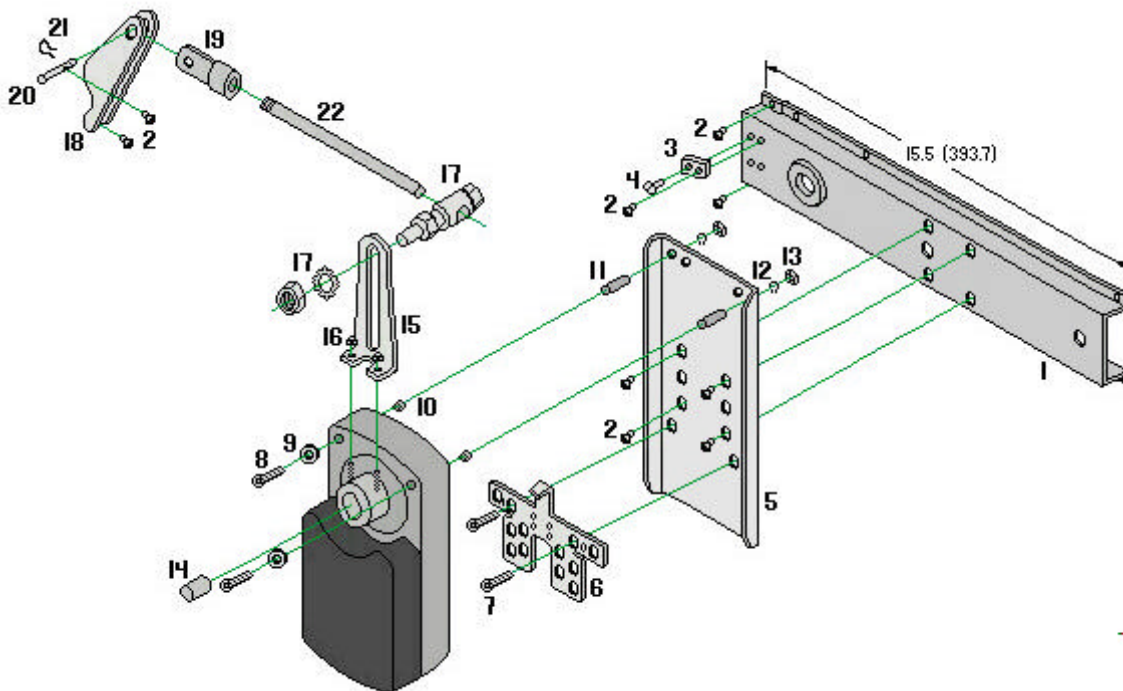
Damper Mount Linkage Kit

Provides remote inside duct mounting for Bray NR and SR Model actuators. Used on a 3-blade or larger damper. Nominal spring return torque is 100 lb-in at the damper pin.

CONTENTS

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

* Included with the actuator.



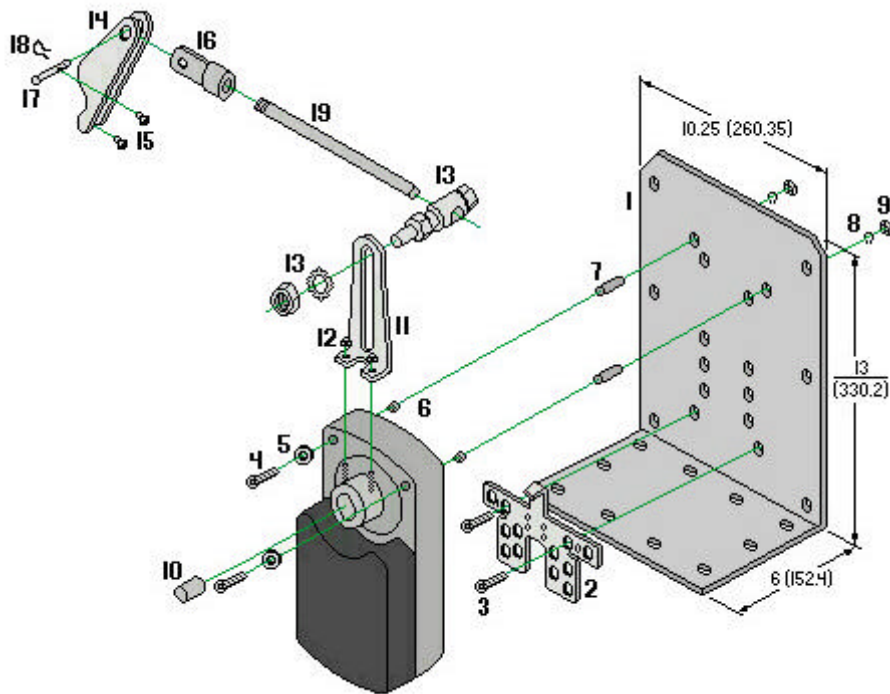
Base Mount Linkage Kit

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

CONTENTS

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

* Included with the actuator.



CA Series Accessories

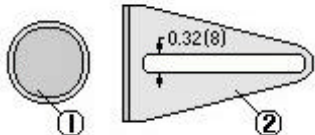
NR / SR Model Kits

Crank Arm Kit

Provides the crank arm and shaft plug for remote mounting the NR and SR Model actuators.

CONTENTS

Item	Description	Qty
1	Shaft Clamp Plug	1
2	Bray Crank Arm	1

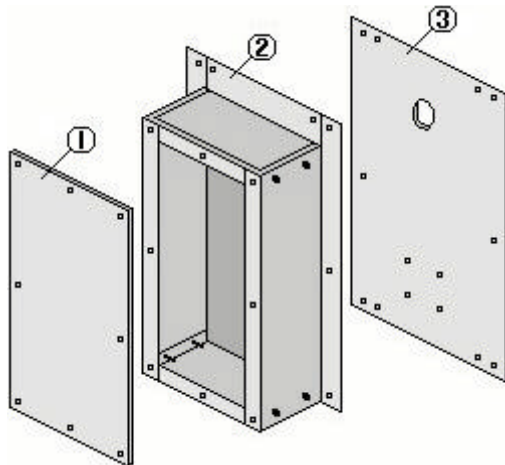


Weathershield Enclosure

Provides additional protection for NR and SR Model actuators that are mounted outdoors. Internal dimensions (H x W x D) are 13.75" x 7.75" x 6" (349.25mm x 196.85mm x 152.40mm)

CONTENTS

Item	Description	Qty
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

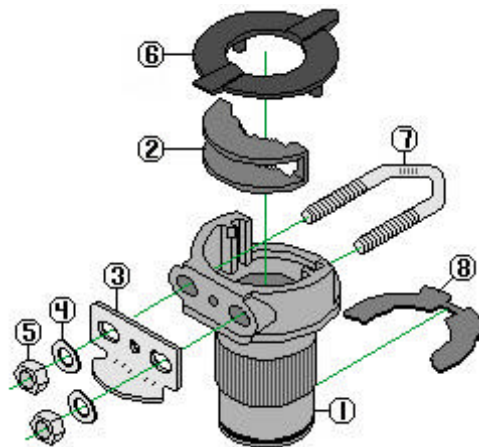


Jackshaft Coupler Kit

The Bray-154 1" Jackshaft Coupler Kit [1.05" (26.7mm) maximum diameter) is for use with the NR-2208, NR 2216, NR-2224 and SR-2216 Model electric motor actuators.

CONTENTS

Item	Description	Qty
1	Coupler	1
2	1.05 in. clamp	1
3	Limit Stop	1
4	Washers	2
5	M6 x 1 Hex Nuts	2
6	Position Indicator	1
7	1.05 in. U-bolt	1
8	Locking Clip	1



CA Series Accessories

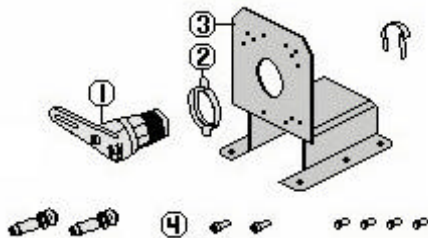
B Model Kits

Floor Mount Kit ASK71.1U

This kit allow foot mounting of the Bray actuators. This kit should be used for in-the-airstream applications, and generally, anywhere a foot-mounted actuator could be mounted.

CONTENTS

Item	Description	Qty
1	Crank Arm	1
2	Support Bearing Ring	1
3	Mounting Bracket	1
4	Fasteners	All Supplied

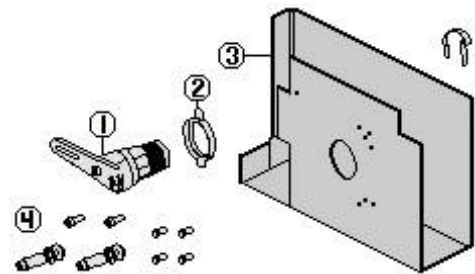


Frame Mount Kit ASK71.2U

This kit allows mounting of the Bray actuators directly to a damper frame. This kit should be used with louvers and vents and in applications where use of the floor mount kit is not pos-

CONTENTS

Item	Description	Qty
1	Crank Arm	1
2	Support Bearing Ring	1
3	Mounting Bracket	1
4	Fasteners	All Supplied

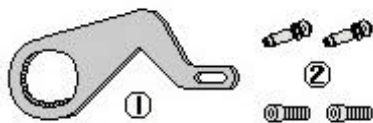


Crank Arm Kit ASK71.3

This kit allows a direct coupled actuator to provide an auxiliary linear drive. This crank arm kit can be used to simultaneously drive a set of opposing or adjacent dampers with a single actuator.

CONTENTS

Item	Description	Qty
1	Crank Arm	1
2	Fasteners	All Supplied





CA Series Accessories

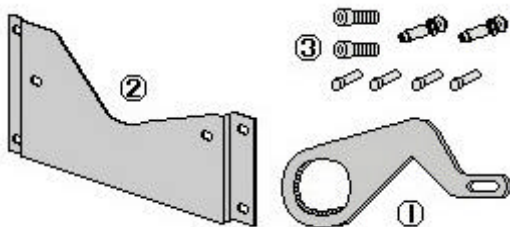
B Model Kits

Crank Arm Kit with Mounting Bracket ASK71.4

This kit allows economical mounting of a Bray actuator to a variety of surfaces. This kit should be used in applications where the actuator can be rigidly surface mounted and a linear stroke output is required.

CONTENTS

Item	Description	Qty
1	Crank Arm	1
2	Mounting Bracket	1
3	Fasteners	All Supplied

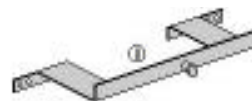


Tandem Mount Bracket ASK73.1

This bracket provides an extended anti-rotation pin that allows two B Model Bray actuators to directly drive a single damper shaft. For use with two and three-position actuators.

CONTENTS

Item	Description	Qty
1	Tandem Mount Bracket	1
2	Fasteners	All Supplied



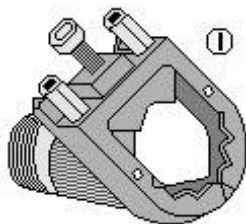
Crank Arm Kit with Mounting Bracket ASK74.1

This shaft adapter will attach to a 1.05" (26.6mm) diameter shaft, whereas, the standard self-centering adapter will accept up to a 1.00" (25.4mm) diameter shaft. This special adapter can be used for coupling to 1" jackshafts that are slightly oversized.

BCA/BBB: 3/8 to 1.05" (9.5 to 26.6mm) shaft sizes.
BIB: for >3/4" (19mm) shaft sizes.

CONTENTS

Item	Description	Qty
1	Shaft Adapter	1
2	Fasteners	All Supplied



Bray[®] CONTROLS

Commercial Division

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