




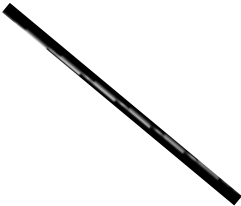




	Description	Actuator Model			Part No.
		EN44/ EN88	EN132/ ES62	EN221/ EN310/ ES142	
	Actuator Commissioning Tool A portable instrument for exercising, calibrating and testing resistive, proportional (voltage/current), incremental (floating) and On/Off actuators.	•	•	•	985-047
	Hex Key 24 Pk.	•			985-054P24
	Adjustment Tool 10 Pk.		•		985-098P10
	Rotary to Linear Kit Allows a direct-coupled actuator to provide a linear drive; can be used to simultaneously drive a set of opposing or adjacent dampers with a single actuator.	•			ASK71.5
	Crank Arm Kit Allows a direct-coupled actuator to provide an auxiliary linear drive; can be used to simultaneously drive a set of opposing or adjacent dampers with a single actuator.		•	•	ASK71.13 ASK71.3
	Rotary to Linear Kit with Universal Mounting Bracket For use in applications where the actuator can be rigidly surface-mounted and a linear stroke output is required.	•			ASK71.6
	Crank Arm Kit with Bracket For use in applications where the actuator can be rigidly surface-mounted and a linear stroke output is required.		•	•	ASK71.14 ASK71.4









	Description	Actuator Model			Part No.
		EN44/ EN88	EN132/ ES62	EN221/ EN310/ ES142	
	<p>Universal Crank Arm For linear applications requiring connection to damper shaft when ball joint connection is not possible.</p> <p>- Shaft sizes 3/8 to 1".</p>	•	•	•	ASK71.9
	<p>Tandem Mounting Bracket Provides an extended anti-rotation pin which allows dual mounting of 2-position and floating models.</p>			•	ASK73.1
	<p>Tandem Mounting Bracket For dual mounting of ES142M2 model only.</p>			•	ASK73.2U
	<p>Floor Mount Kit For airstream applications and where a foot-mounted actuator can be used. Ideal replacement of a Honeywell MOD motor. Includes crank arm, Teflon support-bearing ring and mounting fasteners.</p>	•			ASK71.6
			•		ASK71.11
				•	ASK71.1U
	<p>Frame Mount Kit For direct mounting to damper frame. Includes a crank arm to generate a linear stroke, a Teflon support-bearing ring to minimize side-loading on the actuator's output bearing and other mounting fasteners.</p>			•	ASK71.2U
		<p>Combined Floor/Frame Mount Kit</p>		•	
	<p>Damper Push Rods 5/16" (8mm) dia.</p>	•	•	•	
	• 12" (30 cm) Length				338-041
	• 15" (38 cm) Length				338-042
	• 18" (46 cm) Length				338-043
	• 24" (61 cm) Length				338-044
	• 36" (91 cm) Length				338-045
• 48" (122 cm) Length				338-046	



	Description	Actuator Model			Part No.
		EN44/ EN88	EN132/ ES62	EN221/ EN310/ ES142	
	Anti-rotation Bracket 24 Pk.	•			985-055P24
	Mounting Screws 48 Pk.	•			985-053P48
	Anti-rotation Bracket			•	985-006
	Anti-rotation Bracket		•		985-092
	Standard Shaft Adapter Replacement for a standard self-centering shaft adapter				
	<ul style="list-style-type: none"> Up to 3/4" (20 mm) D Up to 1" (25 mm) D 	•	•		985-093 985-004
	Large Shaft Adapter Accepts up to 1-1/20" (27 mm) diameter shaft and can be used for coupling to 1.05" (27 mm) jackshafts that are slightly oversized. Note: When used with an EN310, accepts shaft diameters from 3/4 to 1-1/20" (19 to 27 mm).			•	ASK74.1U
	3/8 to 5/8" (8-10mm) Actuator Shaft Insert For small shaft diameters	•			ASK78.3U
	5/8 to 3/4" (10-19mm) Actuator Shaft Insert for high force, small shafts. For ASK74.1U with EN310 models / 20 Pk.			•	985-052P20
	Replacement Standard Visual Position Indicators/10 Pk.	•	•	•	985-051P10 985-094P10 985-003



	Description	Actuator Model			Part No.
		EN44/ EN88	EN132/ ES62	EN221/ EN310/ ES142	
 985-035P25  ASK76.1  985-008P20	1/2" (13mm) Conduit Adapter/1 ea.	•			ASK76.1U
	1/2" (13mm) Conduit Adapters/20 Pk.	•			ASK76.1UP20
	1/2" (13mm) Conduit Adapters/20 Pk. For 1/2" NPT connector			•	985-008P20
	1/2" (13mm) Male Conduit Adapter/25Pk.			•	985-035P25
	Actuator Weather Shield Cost effective solution for indoor or outdoor applications requiring a single actuator. For applications requiring tandem mount actuators, use our Nema 4/4X type actuator enclosure listed below. Option: Heater and Stat for extreme conditions.	•	•	•	WS-1
	NEMA 4/4X Type Enclosure Custom machined to fit most ball, butterfly and globe valve assemblies with a single commercial actuator. Some dual commercial actuators fit into one enclosure. Designed for indoor or outdoor use to provide primarily a degree of protection against corrosion, windblown dust and rain, and splashing or hose directed water.	•	•	•	N4-ENC
	External Auxiliary Switch Kit. Includes dual switch package rated to 250 Vac, mounting screws and adapter rings.		•	•	EXAUX-S2

**Commercial Actuator Accessories List Prices (\$)**

Model No.	Description	List Price (\$)
985-047	Actuator Commissioning Tool	1,572
985-054P24	Hex Key 24 Pk. for EN44 and EN88 Actuators	19
985-098P10	Adjustment Key/10 Pk. for EN132, ES62, EN221, EN310 and ES142 Actuators	27
ASK71.5	Rotary to Linear Kit	58
ASK71.13	Crank Arm Kit for EN132 and ES62 Actuators	53
ASK71.3	Crank Arm Kit for EN221, EN310 and ES142 Actuators	92
ASK71.6	Rotary to Linear Kit w/ Universal Mounting Bracket	81
ASK71.14	Crank Arm Kit with Bracket for EN132 and ES62 Actuators	79
ASK71.4	Crank Arm Kit with Bracket for EN221, EN310 and ES142 Actuators	121
ASK71.9	Universal Crank Arm	26
ASK73.3	Tandem Mounting Bracket for EN132 and ES62 Actuators	50
ASK73.1	Tandem Mounting Bracket for EN221, EN310 and ES142 Actuators (2 Pos. & Floating)	51
ASK73.2U	Tandem Mounting Bracket for EN221, EN310 and ES142 Actuators (Modulating)	147
ASK71.6	Floor Mounting Kit for EN44 and EN88 Actuators	81
ASK71.1U	Floor Mounting Kit for EN221, EN310 and ES142 Actuators	110
ASK71.11	Combined Foot/Frame Mount Kit for EN132 and ES62 Actuators	92
ASK71.2U	Frame Mount Kit for EN221, EN310 and ES142 Actuators	116
338-041	5/16" (8 mm) Dia. Damper Push Rods - 12" (30 cm) Length	11
338-042	5/16" (8 mm) Dia. Damper Push Rods - 15" (38 cm) Length	14
338-043	5/16" (8 mm) Dia. Damper Push Rods - 18" (46 cm) Length	12
338-044	5/16" (8 mm) Dia. Damper Push Rods - 24" (61 cm) Length	16
338-045	5/16" (8 mm) Dia. Damper Push Rods - 36" (91 cm) Length	18
338-046	5/16" (8 mm) Dia. Damper Push Rods - 48" (122 cm) Length	21
985-055P24	Anti-Rotation Bracket for EN44 and EN88 Actuators	56
985-053P48	Anti-Rotation Bracket Mounting Screws for EN44 and EN88 Actuators	8
985-092	Anti-Rotation Bracket for EN132 and ES62 Actuators	8
985-006	Anti-Rotation Bracket for EN221, EN310 and ES142 Actuators	8
985-093	Replacement Standard Shaft Adapter for EN132 and ES62 Actuators	25
985-004	Replacement Standard Shaft Adapter for EN221, EN310 and ES142 Actuators	44
ASK74.1U	Large Shaft Adapter for EN221, EN310 and ES142 Actuators	41
ASK78.3U	3/8" Actuator Shaft Insert for EN44 and EN88 Actuators	17
985-052P20	5/8" to 3/4" Actuator Shaft Insert for EN221, EN310 and ES142 Actuators	99
985-051P10	Replacement Standard Visual Position Indicators/10 Pk. for EN44 and EN88 Actuators	19
985-094P10	Replacement Standard Visual Position Indicators/10 Pk. for EN132 and ES62 Actuators	16
985-003	Replacement Standard Visual Position Indicators/10 Pk. for EN221, EN310 and ES142 Actuators	73

Pricing Continued Next Page



Commercial Actuator Accessories List Prices (\$) Continued

Model No.	Description	List Price (\$)
ASK76.1	1/2" Conduit Adapter/1 ea. for EN44 and EN88 Actuators	31
ASK76.1/UP20	1/2" Conduit Adapters/20 Pk. for EN44 and EN88 Actuators	516
985-008P25	1/2" Conduit Adapters for 1/2" NPT Connector/25Pk. for EN221, EN310 and ES142 Actuators	59
WS-1	Actuator Weather Shield	233
N4-ENC	NEMA 4 type enclosure	615
EXAUX-S2	External Auxiliary Switch for in-service standard model actuators	175