

Accessories

FOR DIRECT COUPLED ACTUATORS

ACCESSORIES

Compatibility Chart		SPRING RETURN								NON-SPRING RETURN					
		MSxx05A	MSxx10A	MSxx20A	MLxx75	MLxx85	MLxx95	ML41x5, ML81x5	MSxx09F	MSxx20F	MLxx61, MLxx74	MNxx20A	MNxx34A	MLxx84	MLxx94
ACTUATOR ACCESSORIES															
Control, Positioning, Feedback															
201052A	Auxiliary Switch (1 SPDT)										•				
201052B	Auxiliary Switch (2 SPDT)										•				
SW2-US	Auxiliary Switch (2 SPDT)	•	•	•								•	•		
32003532-005	High Temperature Auxiliary Switch (2 SPDT)							•	•						
200976C	Feedback Potentiometer (2000 ohm)										•				
200976A	Feedback Potentiometer (500 ohm)										•				
205860	Minimum Position Potentiometer	•	•	•	•	•	•				•	•	•	•	•
32006306-001	Resistor Kit (500 ohm); converts 4-20 mA signal to 2-10 Vdc	•	•	•	•	•	•				•			•	•
Q7002B1009	Universal Interface Module (Enclosed)	•	•	•	•	•	•				•	•	•	•	•
Mounting															
32007205-001	Actuator Mounting Plate	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32007205-006	Damper Axle Coupling	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32007205-002	Damper Blade Drive Lever (<24 in.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32007205-003	Damper Blade Drive Lever (>24 in.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32007205-007	Damper Crossover Jumper Bracket	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32007205-004	Damper External Drive Pin Clip	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32007205-005	Damper External Drive Pin Kit	•	•	•	•	•	•	•	•	•	•	•	•	•	•
210034	Foot Mounting Kit						•								
50001194-001	Foot Mounting Kit	•	•	•	•	•	•					•	•	•	•
205820A	Foot Mounting Kit				•	•								•	
205649	Mounting Bracket	•	•	•				•	•	•				•	•
205784	Mounting Bracket				•	•									
50006427-001	Flexible Anti-rotation Bracket	•	•	•								•	•		
32002993-001	Tandem Mounting Kit						•							•	•
50000407-001	Tandem Mounting Kit	•	•	•											
205840A	Tandem Mounting Kit (2-pos actuators only)				•	•									
210033	Wall Mounting Kit						•								



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ACTUATOR ACCESSORIES															
Rotation Limiters, Position Indicators															
205850B	Adjustable Stroke Stop Kit				•	•									
4074ENG	Stop Pin										•				
4074ENJ	Stroke Stop/Minimum Position Kit										•				
4074ENY	Stroke Stop Kit										•				
Ball Joints, Push Rods															
103598	Ball Joint (1/4 in.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27518	Ball Joint (5/16 in.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520A	Push Rod (5/16 in. dia., 5 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520Q	Push Rod (5/16 in. dia., 8 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520B	Push Rod (5/16 in. dia., 10 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520C	Push Rod (5/16 in. dia., 12 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520D	Push Rod (5/16 in. dia., 15 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520E	Push Rod (5/16 in. dia., 18 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520G	Push Rod (5/16 in. dia., 24 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520H	Push Rod (5/16 in. dia., 28 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520J	Push Rod (5/16 in. dia., 32 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520K	Push Rod (5/16 in. dia., 36 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
27520L	Push Rod (5/16 in. dia., 48 in. length)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Crankarms															
205685	Crank Arm Kit													•	
205846	Crank Arm Kit														•
26026G	Damper Crank Arm, 1/2 in. damper shaft	•	•	•	•	•	•	•	•	•	•	•	•	•	•
205830A	Rotary-to-Linear Kit	•	•		•	•					•				
205870	Shaft Adapter 1 in. with Crank Arm				•	•									
Shaft Adapters															
205753	Hub Insert 3/8 in.				•	•								•	
205755	Hub Insert 1/2 in.										•			•	•
205759	Hub Insert 5/8 in.										•			•	•
205849A	Hub Insert 5/8 in.														•
205617	Hub Insert 3/4 in.				•	•								•	
205856B	Hub Insert 3/4 in.														•
205843B	Hub Insert 1 in.														•
205880	Shaft Adapter 1 in.				•	•									
210035	Jackshaft 1 in. (1.06 in.) Adapter						•								
32003167-001	Shaft Adapter (3/8 in.)										•				
32003168-001	Short Shaft Adapter (3/4-1/2 in.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32003168-002	Short Shaft Adapter (5/8-1/2 in.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32003168-003	Short Shaft Adapter (9/16-1/2 in.)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
32004254-003	Self Centering Shaft Adapter											•			
32004254-002	Self Centering Shaft Adapter	•	•	•											
32004254-001	Self Centering Shaft Adapter												•		
4074EVK	Short Shaft Kit										•				

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ACTUATOR ACCESSORIES															
Enclosures															
32003036-001	Weather Enclosure	•	•	•	•	•	•	•	•	•	•	•	•	•	•
50005859-001	NEMA 4 Enclosure	•	•	•							•	•	•		
7640QW	Metal Enclosure										•				
Miscellaneous															
32000085-001	Strain Relief Fitting (10 pack)	•	•	•								•	•		
AT120A1004	120 to 24 Vac Transformer (20 VA)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AT140A1000	120 to 24 Vac Transformer (40 VA)	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Table 1. Accessory Details.

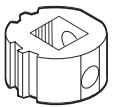
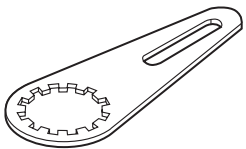
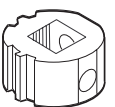
OS Number	Description	Used With		Instructions (Form Number)
103598	Ball Joint (1/4 in.)	All Actuators and Dampers		
200976A	Auxiliary Feedback Potentiometer (0 to 500 ohm)	ML6161, ML6174, ML7161, ML7174		63-2249
200976C	Auxiliary Feedback Potentiometer (0 to 2000 ohm)	ML6161, ML6174, ML7161, ML7174		
201052A	Auxiliary Switch Package, Single	ML6161, ML6174, ML7161, ML7174		63-2218
201052B	Auxiliary Switch Package, Double	ML6161, ML6174, ML7161, ML7174		
205617	Hub Insert, 3/4 in. (19mm)	150 lb-in. NSR Actuators (ML Series)	 205753 M11562	
205649	Mounting Bracket	150 and 300 lb-in. NSR and SR (except 25, 53 and 142 lb-in) Actuators		
205685	Crank Arm Kit	150 lb-in. NSR Actuators (ML Series)	 205685 M11590	
205753	Hub Insert, 3/8 in. (10mm)	150 lb-in. NSR and 25 and 53 lb-in. Actuators (ML Series)	 205753 M11562	
205755	Hub Insert, 1/2 in. (13mm)	150 lb-in. NSR and 25, 53 lb-in. Actuators (ML Series)		
205759	Hub Insert, 5/8 in. (16mm)	150 lb-in. NSR and 25, 53 lb-in. Actuators (ML Series)		
205784	Mounting Bracket	25 and 53 lb-in. SR Actuators (ML Series)		

Table 1. Accessory Details. (Continued)

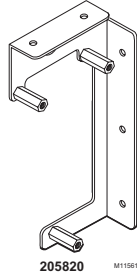
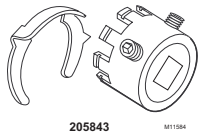
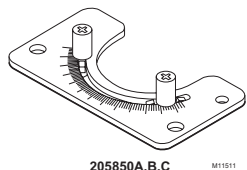
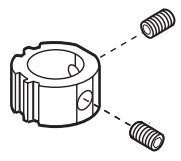
OS Number	Description	Used With		Instructions (Form Number)
205820A	3-Point Mounting Kit: • Bracket • Hexagonal standoffs (3) • Screws (3) • Lockwashers (3)	150 lb-in. NSR and 25 and 53 lb-in. Actuators (ML Series)		63-2500
205830A	Rotary-to-Linear Kit: • crankarm • balljoints (2) • nuts (2)	35 and 70 lb-in. NSR and 25, 44, 53, and 88 lb-in. SR Actuators		63-2501
205840A	Tandem Mount Kit (Series 60 and 80 only) • bracket • hexagonal standoffs • shaft	150 lb-in. NSR and 25 and 53 lb-in. Actuators (ML Series)		63-2502
205843B	Hub Insert, 1 in. (25mm) Round	300 lb-in. NSR Actuators (ML Series)		
205846	Crank Arm Kit	300 lb-in. NSR Actuators (ML Series)		
205849A	Hub Insert, 5/8 in. (17mm) Round	300 lb-in. NSR Actuators (ML Series)		
205850B	End Stop Kit	25 and 53 lb-in. SR Actuators (ML Series)		62-0138
205856B	Hub Insert, 3/4 in. (19mm) Round	300 lb-in. NSR Actuators (ML Series)		
205860	Electronic Remote Minimum Position Potentiometer	ML7164 Proportional Actuators		63-2529

Table 1. Accessory Details. (Continued)

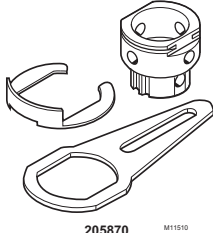
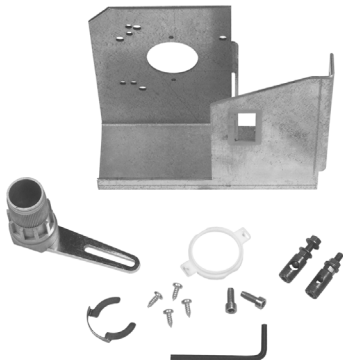
OS Number	Description	Used With		Instructions (Form Number)
205870	Shaft Adapter, 1 in. with Crank Arm • hub insert • crankarm • retainer clip • actuator hub	25 and 53 lb-in. SR Actuators (ML Series)		63-2532
205880	Shaft Adapter, 1 in. • hub insert • shaft bushing • actuator hub	25 and 53 lb-in. SR Actuators (ML Series)		63-2532
210033	Frame Mount Kit • bracket • crankarm • balljoints (2) • hex key, 5 mm • bearing ring • hub clip • sheet metal screws (4) • tapite screws (2)	142 lb-in. Spring Return Actuators (ML Series)		62-0145
210034	Floor Mount Kit • bracket • crankarm • balljoints (2) • hex key, 5 mm • bearing ring • hub clip • sheet metal screws (4) • tapite screws (2) • hex nuts 1/4-20 (4) • hex bolts 1/4-20 (4) • lockwashers (4) • washers, fender (4)	142 lb-in. Spring Return Actuators (ML Series)		62-0146
210035	Jackshaft 1 in. (1.06 in.) Adapter	142 lb-in. Spring Return Actuators (ML Series)		62-3062
26026G	Damper Crank Arm, 1/2 in. damper shaft	All Actuators and Damper		
27518	Ball Joint (5/16 in.)	All Actuators and Dampers		

Table 1. Accessory Details. (Continued)

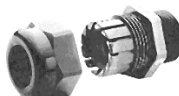
OS Number	Description	Used With		Instructions (Form Number)
27520A	Push Rod (5/16 in. dia., 5 in. length)	All Actuators and Dampers		
27520B	Push Rod (5/16 in. dia., 10 in. length)	All Actuators and Dampers		
27520C	Push Rod (5/16 in. dia., 12 in. length)	All Actuators and Dampers		
27520D	Push Rod (5/16 in. dia., 15 in. length)	All Actuators and Dampers		
27520E	Push Rod (5/16 in. dia., 18 in. length)	All Actuators and Dampers		
27520G	Push Rod (5/16 in. dia., 24 in. length)	All Actuators and Dampers		
27520H	Push Rod (5/16 in. dia., 28 in. length)	All Actuators and Dampers		
27520J	Push Rod (5/16 in. dia., 32 in. length)	All Actuators and Dampers		
27520K	Push Rod (5/16 in. dia., 36 in. length)	All Actuators and Dampers		
27520L	Push Rod (5/16 in. dia., 48 in. length)	All Actuators and Dampers		
27520Q	Push Rod (5/16 in. dia., 8 in. length)	All Actuators and Dampers		
32000085-001	Strain Relief Fitting (10 pack)	MS and MN Series Actuators		
32002993-001	Tandem Mount Kit	142 lb-in. Spring Return and 300 lb- in. Non-Spring Return Actuators (ML Series only)		62-0160
32003036-001	Weather Enclosure • enclosure • gasket • dome plug (2) • pan-head screw (10)	All Actuators		62-0164
32003167-001	3/8 in. Shaft Adapter	ML6161, ML6174, ML7161, ML7174, ML7999		66-1121
32003168-001	Short Shaft Adapter (3/4 in. to 1/2 in.)	All Actuators and Dampers		
32003168-002	Short Shaft Adapter (5/8 in. to 1/2 in.)			
32003168-003	Short Shaft Adapter (9/16 in. to 1/2 in.)			

Table 1. Accessory Details. (Continued)

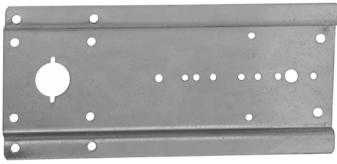
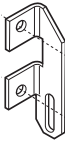
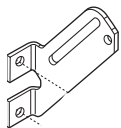
OS Number	Description	Used With		Instructions (Form Number)
32003532-005	High Temperature Dual Switch Assembly	ML4105, ML8105, ML4115, ML8115, ML4125, ML8125, ML4135, ML8135, MS4209, MS4309, MS4709, MS4809, MS8209, MS8309		62-0212
32004254-001	Self-Centering Shaft Adapter	N20 Actuators	 Note: Usually supplied with actuator	
32004254-002	Self-Centering Shaft Adapter	S05, S10, S20 Actuators		
32004254-003	Self-Centering Shaft Adapter	N34 Actuators		
32006306-001	Resistor Kit (500 ohm); converts 4-20 mA signal to 2-10 Vdc Bag of six (6)	ML6161, ML6174, ML7161, ML7174		
32007205-001	Direct Coupled Actuator Mounting Bracket	Damper with External Actuator Mounting (i.e., 32007205-005 Kit)		62-0196
32007205-002	Damper Blade Drive Lever (Small)	Dampers less than 24 in. high	 M20860	62-0196
32007205-003	Damper Blade Drive Lever (Large)	Dampers greater than 24 in. high	 M20861	62-0196
32007205-004	Retaining Clip, Damper External Drive Pin	Damper with External Actuator Mounting (i.e., 32007205-005 Kit)		62-0196
32007205-005	Damper External Drive Pin Kit • drive pin clip (32007205-004) • shaft extension • mounting bracket	Damper with External Actuator Mounting (i.e., 32007205-005 Kit)		62-0196
32007205-006	Damper Axle Coupling	Multi-Section Dampers		62-0196

Table 1. Accessory Details. (Continued)

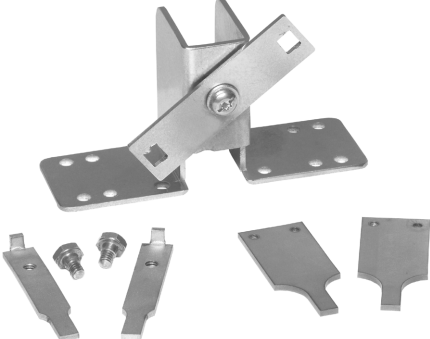
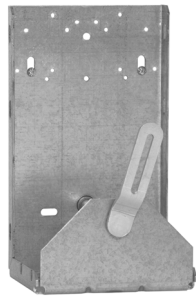
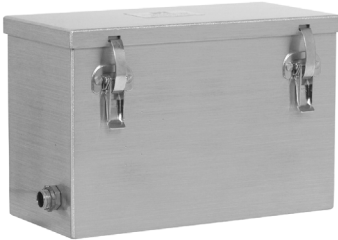
OS Number	Description	Used With		Instructions (Form Number)
32007205-007	Jumper Bracket • lever linkage • 1/4-20 x 1/2 bolts (4) • 1/4-20 x 1/2 nuts (4) • 45° drive lever (2) • 14 x 3/4 HWH Tek fasteners (4)	Multi-Section Dampers		62-0196
4074ENG	Stop Pin	ML6161, ML6174, ML7161, ML7174		
4074ENJ	Minimum Position Kit	ML6161, ML6174, ML7161, ML7174		
4074ENY	3/8 in. Shaft Kit	ML6161, ML6174, ML7161, ML7174		
50000407-001	Tandem Mounting Kit • bracket • swivel arm, bolt, nut, washer • mounting arms for spring return DCA (2) • anti-rotation bolts (2) • mounting arms for non-spring return DCA (2)	MS and MN Series Actuators		
50001194-001	Foot- or Frame-Mounting Kit • self-tapping mounting screws (2) • foot mount bracket • bronze bearings (2) • crank arm and drive shaft • shaft collar (balljoints and pushrod sold separately)	MS and MN Series Actuators		62-0204
50005859-001	NEMA 4 Enclosure	MS and MN Series; MLxx61 and MLxx74 Series Actuators		
50006427-001	Flexible Anti-rotation Bracket			

Table 1. Accessory Details. (Continued)

OS Number	Description	Used With		Instructions (Form Number)
7640QW	Enclosure for Conduit Connection	ML6161, ML6174, ML7161, ML7174		63-2252
AT120A1004	120 to 24 Vac Transformer (20 VA)	All Actuators		68-0054
AT140A1000	120 to 24 Vac Transformer (40 VA)			
Q7002B1009	Universal Interface Module (Enclosed) with adjustable zero and span	All Actuators		63-2551
SW2-US	Auxiliary Switch Package (2 adjustable SPDT switches)	MS and MN Series Actuators		

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