



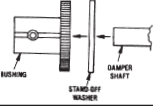




















PARTS & ACCESSORIES

ELECTRIC/ELECTRONIC ACTUATORS

Illustration	Model	Description	For Use With
	CME-1000 Series	Auxiliary (rotary) switches (also for damper shaft mounting) See preceding page for part numbers and specifications	CEP-4000, CSP-5001, MEP-1500, MEP-5000, TSP-5000 series actuators
	CME-2001 CME-2002	Snap-on feedback potentiometers 7.5K ohm @ 90° potentiometer 750 ohm @ 90° potentiometer	CEP-4000, MEP-1500 series actuators
	CME-2003	Snap-on feedback potentiometer 10K ohm, 1/3 watt potentiometer	MEP-5000 series tri-state (not fail safe) models
	CME-7001 CME-7002	End Switch Kit SPDT End Switch DPDT End Switch	MEP-7000, MEP-7700 series actuators
	HCO-1151 HCO-1152	NEMA 3R Weather Enclosure for MEP-5000 series actuators for MEP-7000/7700 series actuators	used as weatherproof enclosure
	HMO-4536	Stroke Stop Kit	MEP-7000, MEP-7700 series actuators
	HMO-4509	Kit to mount auxiliary switches or feedback potentiometers directly on 1/2" OD extended damper shaft	CME-1000 series end switches; CME-2001, CME-2002 potentiometers
	HFO-0011	Reducer bushing for mounting actuator on 3/8" damper shaft	MEP-1500, MEP-5000 series actuators
	HMO-4517	Front mounting bracket & hardware for use when connecting to damper with linkage assembly	MEP-1200 series actuators
	HMO-4518 HMO-4520 HMO-4526	Wiring connectors 2-part snap-in connector for 1/2" flexible metal conduit Compression bushing for plenum wire strain relief Female connector for 1/2" rigid conduit	MEP-1200, MEP-1260, MEP-1270, MEP-5000, MEP-5060, MEP-5070, MEP-5370 series actuators
	HPO-0062	Replacement motor/gear box	CEP/CSP Actuators with date codes after 9225 (June 1992)
	VTD-12 VTD-18 VTD-24 VTD-36 VTD-48	5/16" diameter plated pushrod 12-inch long pushrod 18-inch long pushrod 24-inch long pushrod 36-inch long pushrod 48-inch long pushrod	used as required to connect between actuator linkages and damper shaft linkages
	VTD-0804	Swivel ball joint for connecting 5/16" pushrod to crankarm	VTD-1400 series or other crankarms
	VTD-1403 VTD-1404 VTD-1405 VTD-1406	Slotted crankarm For 3/8" shaft (3.18" maximum radius) For 1/2" shaft (3.18" maximum radius) For 1/2" shaft (4.93" maximum radius) For 3/8" shaft (4.93" maximum radius)	used to connect actuator linkage to damper shaft

PARTS & ACCESSORIES

PNEUMATIC ACTUATORS

Illustration	Model	Description	For Use With
	HLO-1008	Drive pin for cross-hole drilled in 1/2" shaft (use with HLO-1009)	MCP-3631
	HLO-1009	Push-on retainer clip for use with HLO-1008	MCP-3631
	HLO-1004 HLO-1006 HLO-1016	Drive bushing/collar for mounting actuator to 1/2" damper shaft Bushings & collar set Drive bushing only Collar only	MCP-3631
	HLO-1011	Shaft adaptor to mount MCP-3631 actuator to 3/8" shaft	MCP-3631
	VTD-12 VTD-18 VTD-24 VTD-36 VTD-48	5/16" diameter plated pushrod for damper connections 12-inch long pushrod 18-inch long pushrod 24-inch long pushrod 36-inch long pushrod 48-inch long pushrod	used as required to connect between actuator linkages and damper shaft linkages
	VTD-0803	Swivel ball joint for installing in end of actuator shaft (accepts 5/16" pushrod)	MCP-1020, 1030, MCP-1040, 5140 MCP-1241, 5140, 5145
	VTD-0804	Swivel ball joint for connecting 5/16" pushrod to crankarm	VTD-1400 series crankarms
	VTD-1007 VTD-1100 VTD-1205 VTD-1601 VTD-1809	Parts for U-shaped clevis damper linkage on 3" and 4" actuators U-shaped clevis section only Clevis pin for VTD-1007 Cotter pin for VTD-1100 Threaded extension to attach VTD-1007 to end of actuator shaft Bolt to attach VTD-1007 to VTD-1601 (two 1/4" lockwashers required)	MCP-1130, 1140, 1231, MCP-1241, 5140, 5145
	VTD-1151 VTD-1153	Shaft collar with set screw to limit actuator return stroke Collar for 2" actuators Collar for 3" and 4" actuators	MCP-1020 MCP-1030, 1130, 1040, MCP-1140, 5140, 5145
	VTD-1403 VTD-1404 VTD-1405 VTD-1406	Slotted crankarm for connecting actuator linkage to damper shaft For 3/8" shaft (3.18" maximum radius) For 1/2" shaft (3.18" maximum radius) For 1/2" shaft (4.93" maximum radius) For 3/8" shaft (4.93" maximum radius)	MCP-1020, 1030, 1040, 1241, 5140, 5145, 8031, 8035 actuators with crankarm damper linkage
	VTD-1414 VTD-1415	3-hole crankarm for connecting actuator linkage to damper shaft (holes on 1-3/8", 2", 2-11/16" radius) For 3/8" diameter shaft For 1/2" diameter shaft	MCP-1020, 1030, 1040, 1241, 5140, 5145, 8031 8035 actuators with crankarm damper linkage
	HPO-0038 VTD-9422 VTD-9423 VTD-9424 VTD-9426	Replacement actuator diaphragms For all MCP-3631 actuators For all 2" actuators For all 3" actuators For all 4" actuators For all 6" actuators	MCP-3631 MCP-1020 MCP-1030, 1130, 1231 MCP-1040, 1140, 1241, 5140 MCP-1160, MCP-5160