













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 Bushing & 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, MCP1140, 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