

# Kinetrol Model 05 Spring Return Single Acting Actuator

## Specification

### Angle of Travel (adjustable)

74° - 100°

(restricted travel versions available)

### Displaced Volume

113 cm<sup>3</sup> / 6.9 in<sup>3</sup>

### Materials of Construction

**Casing:** Pressure die cast aluminium alloy

**Vane & Output Shaft:** Stainless steel

**Shaft bushes:** PTFE coated bronze (lead free)

**Seals:** Moulded polyurethane

**Seal expanders:** Stainless spring steel

**Clock Type Spring:** Carbon spring steel

### Finish

Epoxy stove enamel

### Weight

1.92 kg / 4.23 lb (excluding coupling)

### Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 2

## Spring Torques

### Metric Units - Nm

Actuator Model	Position of air OR spring return stroke	Pressure (bar)											
		1.7	2.0	2.4	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.2	5.5
05-120	Start						13.0	14.1	15.3	16.4	18.1	19.2	20.9
	Finish						8.5	9.6	11.3	13.0	14.7	15.8	17.5

### English Units - lbf ins

Actuator Model	Position of air OR spring return stroke	Pressure (psi)											
		25	30	35	40	45	50	55	60	65	70	75	80
05-120	Start						115	125	135	145	160	170	185
	Finish						75	85	100	115	130	140	155

## Options

- ISO Flange / Female drive spring option
- Limit switch boxes for open/closed indication - various switches including hazardous area
- Integral solenoid valve
- AP pneumatic positioner - full range of options
- EL electropneumatic positioner - full range of options
- P3 on/off positioner - full range of options including hazardous area
- Clear Cone monitor
- 180° and 120° model
- ISO adaptor
- G¼ or ¼ NPT air port option available - contact Kinetrol
- Spring to centre
- Geared manual override
- High temperature / Low temperature options
- VDI/VDE 3845 Namur accessory mounting option available - contact Kinetrol
- Available in Blueline paint finish

# Kinetrol Model 05 Spring Return Single Acting Actuator

## Product Code

## ● Air Ports

## ● Mount Holes

054-120 Metric Spring Return Clockwise	G $\frac{1}{8}$	6 x M5 x 10 deep on 34.9 PCD
054-130 Metric Spring Return Counter Clockwise	G $\frac{1}{8}$	6 x M5 x 10 deep on 34.9 PCD
057-120 English Spring Return Clockwise	$\frac{1}{8}$ NPT	6 x 10-24 UNC x 0.39" deep on 1.375" PCD
057-130 English Spring Return Counter Clockwise	$\frac{1}{8}$ NPT	6 x 10-24 UNC x 0.39" deep on 1.375" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

## Dimensions

