

# Kinetrol Model 03 Spring Return Single Acting Actuator

## Specification

### Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

### Displaced Volume

60 cm<sup>3</sup> / 3.66 in<sup>3</sup>

### Materials of Construction

**Casing:** Pressure die cast ZL16 zinc 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

2.0 kg / 4.41 lb (excluding coupling)

### Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 1

## 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
03-120	Start						6.3	6.9	7.5	8.1	8.9	9.5	10.3
	Finish						4.1	4.7	5.5	6.4	7.2	7.8	8.7

### 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
03-120	Start						56	61	66	71	79	84	91
	Finish						37	41	49	56	64	69	77

## Options

- ISO Flange / Female drive spring option
- ISO adaptor
- Low pressure spring option
- Limit switch boxes for open/closed indication - various switches including hazardous area
- Integral solenoid valve
- Clear Cone monitor
- 180° and 120° model
- High temperature / Low temperature options
- VDI/VDE 3845 Namur accessory mounting option available - contact Kinetrol
- Available in Blueline paint finish

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## Product Code

## ● Air Ports

## ● Mount Holes

034-120 Metric Spring Return Clockwise	G $\frac{1}{8}$	4 x M5 x 10 deep on 31.1 PCD
034-130 Metric Spring Return Counter Clockwise	G $\frac{1}{8}$	4 x M5 x 10 deep on 31.1 PCD
037-120 English Spring Return Clockwise	$\frac{1}{8}$ NPT	4 x 10-24 UNC x 0.39" deep on 1.225" PCD
037-130 English Spring Return Counter Clockwise	$\frac{1}{8}$ NPT	4 x 10-24 UNC x 0.39" deep on 1.225" PCD

For female drive part codes contact Kinetrol

Visual red indicator supplied as standard

## Dimensions

