

# Kinetrol Model 30 Spring Return Single Acting Actuator

## Specification

### Angle of Travel (adjustable)

80° - 100°

(restricted travel versions available)

### Displaced Volume

50025 cm<sup>3</sup> / 3050 in<sup>3</sup>

### Materials of Construction

**Casing:** Sand cast aluminium alloy

**Vane & Output Shaft:** SG iron, zinc plated

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

**Seals:** Moulded polyurethane

**Seal expanders:** Stainless spring steel

**Clock Type Spring:** Carbon spring steel

### Finish

Epoxy thermoset powder

### Weight

753 kg / 1660 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
30-120	Start									6771.0	7179.0	7772.0	8184.0
	Finish									5134.0	5598.0	6200.0	6696.0

### 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
30-120	Start									59923	63693	68782	72428
	Finish									45436	49542	54870	59260

Factory assembled actuator/spring return assemblies have the spring pretension set for "balanced" torque output when the actuator is operated by air at 5.5 bar (80 psi). Factory assemblies can be preset for different air pressures below 5.5 bar (80 psi) on request.

## Options

- ☐ Low pressure spring option
- ☐ EL electropneumatic positioner - full range of options
- ☐ Limit switch boxes for open/closed indication - various switches including hazardous area
- ☐ P3 on/off positioner - full range of options including hazardous area
- ☐ AP pneumatic positioner - full range of options
- ☐ High temperature / Low temperature options

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## Product Code

## ● Air Ports

## ● Mount Holes

304-120	G1	8 x M30 x 50 deep on 226.3 PCD
Metric Spring Return Clockwise		
304-130	G1	8 x M30 x 50 deep on 226.3 PCD
Metric Spring Return Counter Clockwise		
307-120	1 NPT	8 x 1 $\frac{1}{8}$ -7 UNC x 2.00" deep on 8.91" PCD
English Spring Return Clockwise		
307-130	1 NPT	8 x 1 $\frac{1}{8}$ -7 UNC x 2.00" deep on 8.91" PCD
English Spring Return Counter Clockwise		

For female drive part codes contact Kinetrol

## Dimensions

