

# Kinetrol Model 21 Spring Unit

## Specification

### Spring Torque

Start 5456 Nm / 48286 lbf ins

Finish 4464 Nm / 39506 lbf ins

For actuated torques see single acting spring return actuator torque data sheets

For reduced spring torques contact Kinetrol

### Angle of Travel

0° - 90°

### Materials of Construction

**Casing:** Sand cast aluminium alloy

**Output Shaft:** Steel, zinc plated

**Clock Type Spring:** Carbon spring steel

### Finish

Epoxy thermoset powder

### Weight

323.6 kg / 713.6 lb

### Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 2

## Options

- ☐ ISO Flange / Female drive spring option
- ☐ Low pressure spring option
- ☐ High temperature / Low temperature options

## Non Kinetrol Actuator Application Notes

Kinetrol spring units can be used in non Kinetrol actuator applications however the following must be considered.

A static gasket is provided to seal the base plate mounting face but the user's shaft must also be sealed to prevent water ingress into the spring housing.

External stops will need to be used to prevent the spring angle of travel from exceeding 90°.

See Kinetrol installation, operation and maintenance instructions for application example.

# Kinetrol Model 21 Spring Unit

## Product Code

214-020

Metric Spring Return Clockwise

214-030

Metric Spring Return Counter Clockwise

217-020

English Spring Return Clockwise

217-030

English Spring Return Counter Clockwise

## Mount Holes

8 x M30 x 50 deep on 226.3 PCD

8 x M30 x 50 deep on 226.3 PCD

8 x 1 $\frac{1}{8}$ -7 UNC x 2.00" deep on 8.91" PCD

8 x 1 $\frac{1}{8}$ -7 UNC x 2.00" deep on 8.91" PCD

For female drive part codes contact Kinetrol

## Dimensions

