

# Kinetrol Model 14-4900 Spring Unit

## Specification

### Spring Torque

Start 529 Nm / 4680 lbf ins  
Finish 447 Nm / 3960 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:** Pressure die cast aluminium alloy  
**Output Shaft:** Steel, zinc plated  
**Clock Type Spring:** Carbon spring steel

### Finish

Epoxy stove enamel

### Weight

29 kg / 64 lb

### Operating Temperature

-40°C to +80°C (-40°F to +176°F)



ATEX Category 2

## Options

- ISO Flange / Female drive spring option
- High temperature / Low temperature options
- Available in Blueline paint finish

## 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 14-4900 Spring Unit

## Product Code

144-020-4900  
Metric Spring Return Clockwise

144-030-4900  
Metric Spring Return Counter Clockwise

147-020-4900  
English Spring Return Clockwise

147-030-4900  
English Spring Return Counter Clockwise

## Mount Holes

4 x M16 x 28.5 deep on 98.8 PCD

4 x M16 x 28.5 deep on 140.0 PCD

4 x M16 x 28.5 deep on 98.8 PCD

4 x M16 x 28.5 deep on 140.0 PCD

4 x 5/8-11 UNC x 1.12" deep on 3.89" PCD

4 x 5/8-11 UNC x 1.12" deep on 5.51" PCD

4 x 5/8-11 UNC x 1.12" deep on 3.89" PCD

4 x 5/8-11 UNC x 1.12" deep on 5.51" PCD

For female drive part codes contact Kinetrol

## Dimensions

