

Kinetrol Model 14 Spring Unit

Specification

Spring Torque

Start 588 Nm / 5200 lbf ins

Finish 478 Nm / 4230 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 thermoset powder

Weight

50 kg / 110.32 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

☐ 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 Spring Unit

Product Code

144-020

Metric Spring Return Clockwise

144-030

Metric Spring Return Counter Clockwise

147-020

English Spring Return Clockwise

147-030

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

