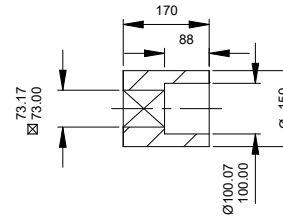


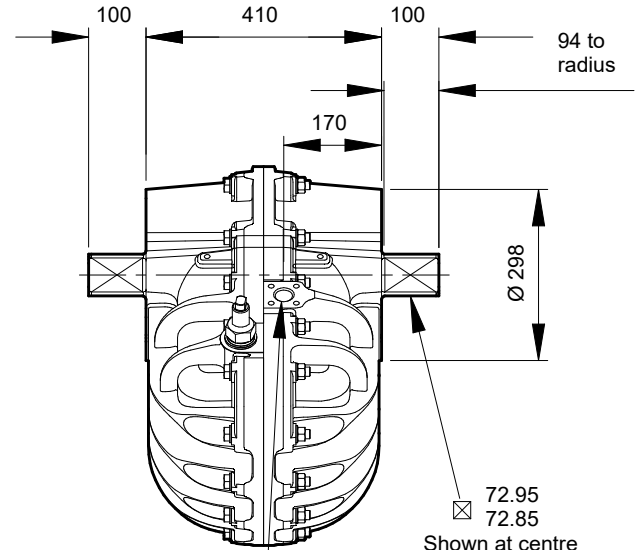
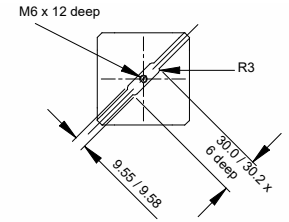
Model 21



Standard Coupling
(supplied with actuator weight 34 lbs/15.4 kg)



Vane Slot detail both ends



Specification

Output Torque

118503 lbf ins/13589 Nm
at 100 psi/7 bar

Angle of Travel (adjustable)

80° - 100°
(restricted travel versions available)

Displaced Volume

1915 in³/31386 cm³

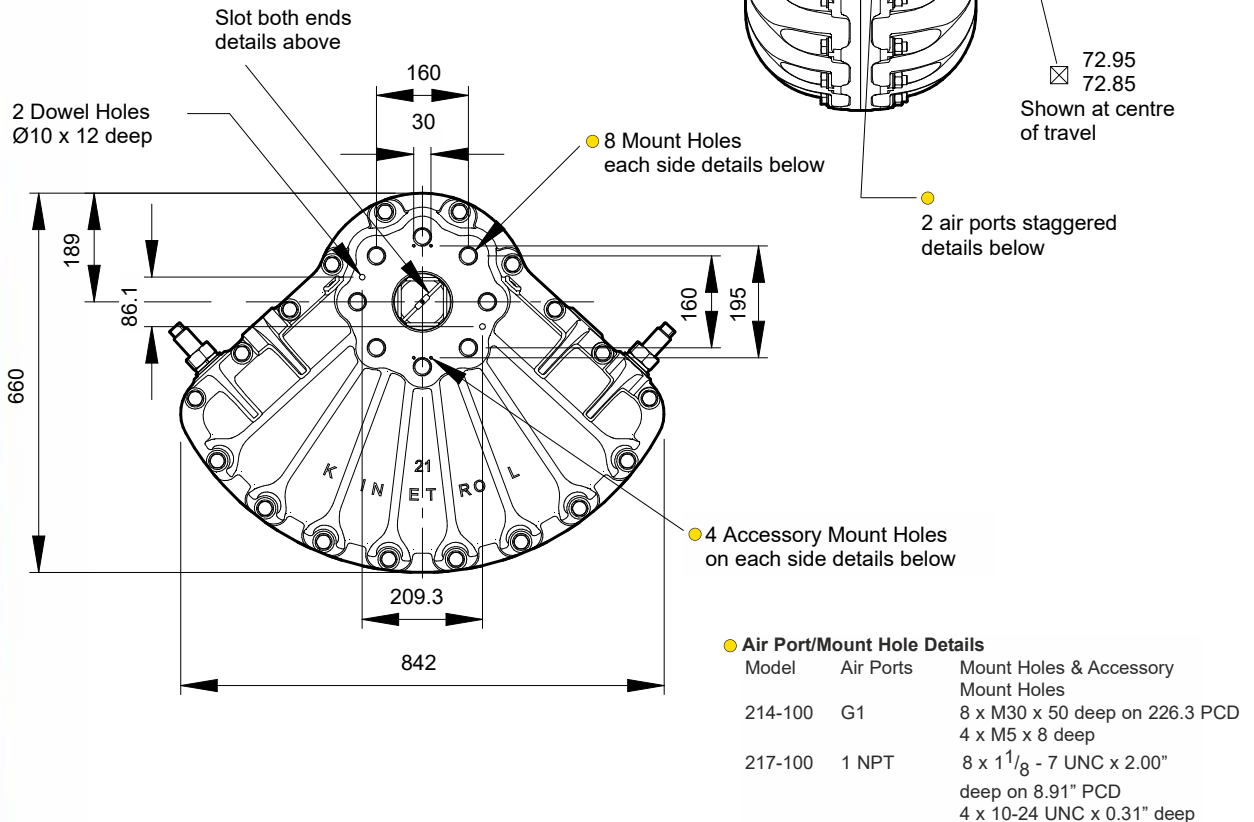
Finish

Epoxy stove enamel

Weight

390 lb/177.0 kg
(excluding coupling)

For further information see General Specification on page 5.



Options

- Fail safe spring return units - clockwise or counter clockwise see pages 27-29
- Female drive and mounting details to DIN 3337 and ISO 5211 see pages 57/58
- Limit switch boxes for open/close indication - various switches for hazardous areas see pages 31-34
- Geared manual override see page 55
- AP pneumatic positioner - full range of options see pages 41/42
- Code identification see page 30
- EL electropneumatic positioner - full range of options see pages 39/40
- Torque outputs see pages 6-8
- See pages 57-60 for English dimensions and dimensions of spring options
- Low temperature option see page 5



Actuator General Specification

Materials of Construction:

Casing:

Models 0M0, 01, 02, & 03 - Pressure die cast ZL16 zinc alloy.

Models 05, 07, 08, 09, 10, 12, 14, 15, 16, 18, 21, 30 & 60 - Die cast or sand cast aluminium alloy.

Vane & Output Shaft:

Models 0M0, 01, 02, 03 and 05 - Stainless steel.

Models 07 to 60 - SG iron, zinc plated.

Shaft bushes: PTFE coated bronze (lead free).

Seals: Moulded polyurethane.

High and low temperature seals also available - contact Kinetrol.

Seal expanders: Stainless spring steel.

Couplings: Weldable mild steel, zinc plated.

Working temperature range:

Standard: -40°C (-40°F) to +80°C (176°F).

High temperature option: -20°C (-4°F) to +100°C (212°F) using temperature seals for higher temperatures with special equipment - contact Kinetrol.

If consulted Kinetrol may, under certain circumstances/conditions, be prepared to extend its high temperature limits

Low temperature option: -54°C (-65°F) to +60°C (140°F) using temperature seals include option "W" at end of actuator coding.

Maximum recommended working pressure: 100 psi (7 bar)

Maximum overload pressure: 150 psi (10 bar)

Certification

