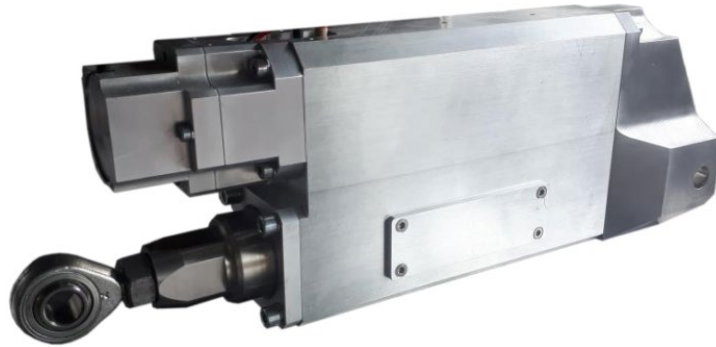


Update : 09/2019



Non-contractual photo

This compact positioner servo control a high load with high speed and accuracy. It can operate in harsh environments.

1 - Design

- This positioner is driven by a Brushless motor. Equipped with a high precision absolute encoder that allows a permanent knowledge of the position. The movement is provided by a precision ball screw. A power off brake locks the load when the positioner is stopped.
- The VMR 48-5000-S has a rod anti-rotation system, ensuring an easy implementation, since the tip does not rotate, thus avoiding oscillations, couples and wear interfaces.
- The VMR 48-5000-S produce bidirectionnal stress up to 5000 N at 15 mm/s
- The VMR 48-5000-S fit easily on many devices of positioning or servo.
- The positioner can operate at space stratospheric environment
- Particularly compact for its size : only 70mm wide

2 - Applications

- Hypersonic stratospheric glider
- Positioning and accurate orientation at high load

3 - Technical Specification

CHARACTERISTICS	VALUES
Stroke	48 mm
Maximum axial force	5000 N
Speed	15 mm/s for F = 5000 N (24V/10A)
Acceleration	685 mm/s ² (24V/10A)
Axial clearance	Zero Clearance (ball screw and prestressed bearing)
Hysteresis (backlash)	< 0.1 mm
Environnement	Stratospheric environnement
Dimensions	Actuator : 345mm x 135mm x 70mm ECU : 120mm x 110mm x 101mm
Mass	5,4 kg (actuator) 1.4 kg (ECU)
Motorization	Brushless Motor 24 V
Encoder	Absolute SSI

Nota : Technical data of this datasheet may be subject to modifications

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