

Update : 07/03/2019



Non-contractual photo

1 - Description

The VMR-160-300-R push or pull loads up to 300N with a speed of 100mm /s.

The movement is generated by a DC motor, directly coupled to a high efficiency screw ball system.

This configuration allows to freely drive the actuator even power off. DC motor provides maximum power, and high torque at low speed.

The motor position is known at any time thanks to an absolute multi-turn encoders.

The piston rod is equipped with an anti-rotation system for an easy assembly.

The piston rod is provided with a ball joint, for an easy integration. The rear of the positioner has a rigid fork.

2 - Applications

- Industrial robotics,
- Embedded Robotics

3 - Dimensions

- **Body** : 60x60x465mm (without connection)
- **Rod** : Ø30, tapping M10, length between retracted axis : 521mm

4 - Customized solution

- Customized rod or body
- Strength / speed / stroke / operating voltage
- Customized bond interfaces, length of the rod
- Engine cooling.
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5 - Characteristics

- **Stroke:** 160mm
- **Speed:** 100mm/s
- **Force max:** 300N
- **Reversible effort at OFF mode:** 15N (+/-5N)
- **Mass:** 4,5kg
- **Power supply:** 28 VCC
- **Connectics:** Out by 2 cables 5m
- **Working temperature:** -20 à +50°C
- **Anti-rotation:** yes
- **Remote Control system:** optional

6 - Assembling plan (preliminary)

