



ORV / HORV Series Slit Type Rodless Linear Actuators

Our most popular series has attracted many OEM customers because of the cost reduction this model offers when compared to other slit type actuators. The unique oval piston design provides the smallest height dimension and most lightweight option based on similar bore and stroke models.

- Non-Guided Oval Bore Slit Type
- Oval Piston Design Allows for High Force in a Small Envelope
- Utilizes Standard Integrated 4 mm Sensor Groove
- Double Acting Operation
- High Strength Stainless Steel Band for Long Life & Low Leakage
- RoHS Compliance

Improve the performance and reduce the size of your next generation machine. Koganei sets the standard for supplying innovative high-quality solutions with unmatched reliability. Optimized designs, with a wide variety of styles and sizes, increase speed to market as well as provide solutions for most applications. Expedite deliveries with product stocked in the USA.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.

Operations

Double Acting

ORV / HORV Series Slit Type Rodless Linear Actuators

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| Model | Operation | Bore mm | Standard Strokes mm [in] | Max Stroke mm [in] | Port Size metric [imperial] | Max Force - Push N [lbf] | Max Force - Pull N [lbf] | Speed Range mm/s [in/s] | Pressure Range MPa [psi] | Temperature Range °C [°F] |
|----------------------------|---------------|---------|---------------------------|--------------------|-----------------------------|--------------------------|--------------------------|-------------------------|---------------------------|---------------------------|
| ORV / HORV | Double Acting | 16 | 25 - 800 [upon request] | 2000 [78.7] | M5 x 0.8 [10-32 UNF] | 161 [36] | 161 [36] | 80 - 500 [3.1 - 19.7] | 0.15 - 0.8 [21.8 - 116.0] | 0 - 60 [32 - 140] |
| ORV / HORV | Double Acting | 25 | 50 - 1000 [upon request] | 2000 [78.7] | Rc 1/8 [1/8 NPT] | 251 [56] | 251 [56] | 80 - 500 [3.1 - 19.7] | 0.15 - 0.8 [21.8 - 116.0] | 0 - 60 [32 - 140] |
| ORV / HORV | Double Acting | 32 | 50 - 1000 [upon request] | 2000 [78.7] | Rc 1/4 [upon request] | 643 [145] | 643 [145] | 80 - 500 [3.1 - 19.7] | 0.15 - 0.8 [21.8 - 116.0] | 0 - 60 [32 - 140] |
| ORV / HORV | Double Acting | 40 | 100 - 1200 [upon request] | 2000 [78.7] | Rc 1/8 [1/8 NPT] | 1,005 [226] | 1,005 [226] | 80 - 500 [3.1 - 19.7] | 0.15 - 0.8 [21.8 - 116.0] | 0 - 60 [32 - 140] |
| ORV / HORV | Double Acting | 50 | 100 - 1200 [upon request] | 2000 [78.7] | Rc 3/8 [upon request] | 1,570 [353] | 1,570 [353] | 80 - 500 [3.1 - 19.7] | 0.15 - 0.8 [21.8 - 116.0] | 0 - 60 [32 - 140] |

Focused on providing industry leading pneumatic, fluid handling, and electrical automation components and assemblies for the OEM market | Think KOGANEI