LINEAR MOTOR

LINX® M-SERIES

Highly Dynamic Motion Systems

AT A GLANCE

- Highly dynamic
- Continuous force range of 80N to 287N
- Peak force up to 1,200N
- Modular heatsink
- Integrated position feedback
- Pneumatics retrofit friendly

THE LINX® RANGE

Zero net attractive forces improve efficiency with no down force, extending machine life.

LINX® IS BETTER

Our cylindrical linear motor design provides improved performance at a lower cost when compared to conventional flat linear and rotary motors.

FIT YOUR APPLICATION

The LinX® linear motor range are available in a variety of different sizes to allow for application specific solutions.

PROTECTION IS KEY

The motors are fully sealed rated to IP67, ensuring they are perfect for automation, machine tool, and food processing systems.
INTEGRATED POSITION FEEDBACK
- Absolute accuracy to ±0.5mm
- Resolution: 10μm

FORCER
- Compacted sizes
- Modular heatsink
- 600VDC bus voltage

SHAFT
- 50mm magnetic pitch
- Neutral magnetic field
- Stainless steel tube
- Wide stroke range

CAPABILITIES
- High speed
- High acceleration
- Pneumatics retrofit friendly
- IP67

See ‘Mover length’ in table below

82.75mm ø57 mm
-50mm magnetic pitch
- Neutral magnetic field
- Stainless steel tube
- Wide stroke range

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Mover Length (mm)</th>
<th>Shaft OD (mm)</th>
<th>Continuous Force (N)*</th>
<th>Peak Force (N)</th>
<th>Continuous Current (Amps)</th>
<th>Peak Current (A)</th>
<th>Resistance 25°C (Ω)</th>
<th>Inductance (mH)</th>
<th>Force Constant (N/Amps)</th>
<th>Weight (kg)</th>
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<td>643</td>
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All specifications are for reference only. Specifications are subject to change without notice.

* Continuous force is specified under natural convection WITH HEATSINK. This can be improved under forced air cooling or fluid cooling conditions.