Low Cost Series SRM Air Cylinders with Piston Sensing Capability

Features
■ No Special Mounting Rail Required
■ Easy Mounting and Adjustment
■ Non-Contact Sensing
■ LED Indicator Standard
Series SRM
Stainless Steel Body Air Cylinders

Series SRM Premium Quality, Low Cost Air Cylinder — Complete with Piston Sensing Capability

Designed and built for maximum performance and reliability to meet your particular application requirements. Our advanced manufacturing know-how results in a lower initial cost that lets you stretch those tight design budgets without sacrificing quality.

The Series SRM air cylinder features include a reed switch that is easily adjustable anywhere on the cylinder body and no special mounting rail is required. It is compatible with Programmable Controllers, and the LED indicator is standard. A 39 inch shielded cable is standard and can be extended to 30 feet maximum by the user.

The Series SRM air cylinder with the unitized stainless steel body — totally integrates over 60 years of proven engineering capability and experience, high volume manufacturing capabilities, a broad distribution network plus the only computer linked nationwide regional warehouse system to provide you with what you need, when you need it.

Premium quality Series SRM cylinders are available from strategically located regional stocking warehouses and over 130 (stocking) distributor locations for quick delivery. Our system is unequalled for saving you downtime, delivery time, and freight costs.

For your low cost cylinder requirements we are — The One Source you can depend on for Total Cylinder Response-Ability. Worldwide.

For Cylinder Division Plant Locations – See Section H.
Here's why the low cost Series SRM light duty air cylinder with Piston Sensing Capability is your best choice…

Quality cost saving features include:

1 Cylinder Tube — Type 304 stainless steel, polished to a micro-inch finish on the I.D. To provide for low friction and long life. A matte finish on the O.D. to provide for smudge resistance.

2 Heads and Caps — Aluminum construction with precision machining to provide a smooth breakaway. The tube-to-head connection is a strong double rolled construction.

3 Piston Rods — Stainless steel rod material is standard on all sizes up to 1.50" bore. Stainless steel is also standard on block, trunnion and KDX mounts. Stainless steel piston rods are available on other bores and mounting styles at an additional cost.

4 Piston Body — Pistons are precision machined aluminum construction. Piston rod connections are threaded and anaerobic adhesive applied to provide for durable leakproof service.

5 Seals — All piston and rod seals are of a lip seal construction. Buna-N is standard on all models.

6 Rod Bushings — Oil impregnated bronze reamed to a close tolerance provides for a smooth operation and long life.

7 Unitized Construction — Precision double-rolled unitized construction provides durable, leak-proof service and long life.

8 Piston Magnet — Nitrile-Barium particle composite surrounds entire diameter for dependable service and long life.

9 Adjustable Reed Switch — Capable of either AC or DC operation. Available standard with LED indicator. For easy on, off indication.

10 Adjustable Solid State Switch — NPN Sinking or PNP Sourcing available standard with LED indicator. For easy on, off indication.

Standard Specifications

- 304 stainless steel cylinder body.
- Aluminum heads and caps.
- Stainless steel piston rods are standard up to 1.50" Bore.
- Stainless steel is also standard on block, trunnion, and KDX mounts. Stainless steel piston rods are available on other bores and mounting styles at an additional cost.
- Nominal pressure rating 250 psi.
- Standard temperature +14°F to +140°F.
- Mounting styles — 24 standard.
- Adjustable cushions
- Rod Wiper

For additional mounting styles please consult factory.

In line with our policy of continuing product improvement, specifications in this catalog are subject to change.
Series SRM
Stainless Steel Body Air Cylinders

Switch Specifications

<table>
<thead>
<tr>
<th>Reed Switch Assembly 1459030000*</th>
<th>Solid State Switch Assembly 1467140000* NPN Sinking 1467150000* PNP Sourcing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switching Logic</td>
<td>Normally open, SPST (Form A)</td>
</tr>
<tr>
<td>Supply Voltage Range</td>
<td>85 to 125 VAC or 5-30 VDC*</td>
</tr>
<tr>
<td>On-State Voltage Drop</td>
<td>1.7 V Maximum</td>
</tr>
<tr>
<td>Current Output Range</td>
<td>Up to 100 mA at 24 VDC</td>
</tr>
<tr>
<td>Burden Current</td>
<td>7 mA at 12 VDC</td>
</tr>
<tr>
<td>Power Rating</td>
<td>10 Watts (Resistive)</td>
</tr>
<tr>
<td>Leakage Current</td>
<td>Up to 200 mA at 24 VDC</td>
</tr>
<tr>
<td>LED Function</td>
<td>Red, Target Present</td>
</tr>
<tr>
<td>Minimum Current to Light LED</td>
<td>18 mA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reed Switch Assembly 1459030000*</th>
<th>Solid State Switch Assembly 1467140000* NPN Sinking 1467150000* PNP Sourcing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>14° to 140°F (-10° to 60°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-4° to 140°F (-20° to 60°C)</td>
</tr>
<tr>
<td>Enclosure Protection</td>
<td>Nema 6, IEC IP67</td>
</tr>
<tr>
<td>Lead Wire</td>
<td>2 conductor, 24 Gauge</td>
</tr>
<tr>
<td>Lead Wire Length</td>
<td>39 inches, 1 meter</td>
</tr>
<tr>
<td>Color of Cable</td>
<td>Black</td>
</tr>
<tr>
<td>Shock Resistance</td>
<td>30g</td>
</tr>
<tr>
<td>Vibration Resistance</td>
<td>10-55 Hz, 1.5 mm Double Amplitude</td>
</tr>
<tr>
<td>Color of Cable</td>
<td>Black (White*)</td>
</tr>
<tr>
<td>Part No.</td>
<td>1459030000*</td>
</tr>
</tbody>
</table>

Circuits

Reed Switch

<table>
<thead>
<tr>
<th>Part No. ..................</th>
<th>1459030000*</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOTE: Polarity must be observed for DC operation only.</td>
<td></td>
</tr>
</tbody>
</table>

PNP Sinking Output

<table>
<thead>
<tr>
<th>Part No. ..................</th>
<th>1467140000*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color of Cable</td>
<td>Black</td>
</tr>
<tr>
<td>“On” State Voltage Drop</td>
<td>0.7V Maximum</td>
</tr>
</tbody>
</table>

PNP Sourcing Output

<table>
<thead>
<tr>
<th>Part No. ..................</th>
<th>1467150000*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color of Cable</td>
<td>Gray</td>
</tr>
<tr>
<td>“On” State Voltage Drop</td>
<td>0.2V Maximum</td>
</tr>
</tbody>
</table>

Circuit for Switching Contact Protection (Inductive Loads)

(Required for proper operation 24V DC)

Put Diode parallel to loads following polarity as shown below.

D: Diode; select a Diode with the breakdown voltage and current rating according to the load.

Typical Example—100 Volt, 1 Amp Diode
CR: Relay coil (under 0.5W coil rating)
(Recommended for longer life 125 VAC)

Caution

- Use an ammeter to test reed switch current. Testing devices such as incandescent light bulbs may subject the reed switch to high in-rush loads.
- **NOTE:** When checking an unpowered reed switch for continuity with a digital ohmmeter the resistance reading will change from infinity to a very large resistance (2 M ohm) when the switch is activated. This is due to the presence of a diode in the reed switch.
- Anti-magnetic shielding is recommended for reed switches exposed to high external RF or magnetic fields.
- The magnetic field strength of the piston magnet is designed to operate with our switches. Other manufacturers' switches or sensors may not operate correctly in conjunction with these magnets.
- Current capacities are relative to operational temperatures.
- Use relay coils for reed switch contact protection.
- The operation of some 120 VAC PLC's (especially some older Allen-Bradley PLC's) can overload the reed switch. The switch may fail to release after the piston magnet has passed. This problem may be corrected by the placement of a 700 to 1K OHM resistor between the switch and the PLC input terminal. Consult the manufacturer of the PLC for appropriate circuit.
- Switches with long wire leads (greater than 15 feet) can cause capacitance build-up and sticking will result. Attach a resistor in series with the reed switch (the resistor should be installed as close as possible to the switch). The resistor should be selected such that R (ohms) >E/0.3.

Stainless steel worm gear type clamps must be ordered separately.

<table>
<thead>
<tr>
<th>Bore Size</th>
<th>Clamp Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot;</td>
<td>L073400050</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>L073400075</td>
</tr>
<tr>
<td>1 1/16&quot;</td>
<td>L073400100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bore Size</th>
<th>Clamp Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2&quot;</td>
<td>L073400200</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>L073400300</td>
</tr>
<tr>
<td>2&quot;</td>
<td>L073400600</td>
</tr>
</tbody>
</table>

For Cylinder Division Plant Locations – See Section H.
Series SRM
Stainless Steel Body Air Cylinders

9/16" Bore Size
Single Acting

Mounting Style N
Single Acting
Spring Return
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2"}, 1" \), \( \frac{1}{2}" \), 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0028 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style NR
Single Acting
Spring Return
Front Nose Mounting
Non-Rotating Hex Rod
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2"}, 1" \), \( \frac{1}{2}" \), 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0028 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style NRP
Single Acting
Spring Return
Rear Pivot Mounting
Non-Rotating Hex Rod
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2"}, 1" \), \( \frac{1}{2}" \), 2", 3", 4"
Maximum Stroke 6"

Optional Accessories:
L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style P
Single Acting
Spring Return
Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2"}, 1" \), \( \frac{1}{2}" \), 2", 3", 4"
Maximum Stroke 6"

Optional Accessories:
L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style R
Single Acting
Spring Extend
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2"}, 1" \), \( \frac{1}{2}" \), 2", 3"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0028 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

For additional information – call your local Parker Cylinder Distributor.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style RP
Single Acting
Spring Extend
Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2}" \), 1", 1\( \frac{1}{2} " \), 2", 3"
Maximum Stroke 6"

Optional Accessories:
L0 7130 0100 Rod Clevis
L0 7132 0100 Pivot Bracket with Pin

Mounting Style D
Double Acting
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2} " \), 1", 1\( \frac{1}{2} " \), 2", 3", 4"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0028 Foot Bracket

Mounting Style DXP
Double Acting
Double End or Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2} " \), 1", 1\( \frac{1}{2} " \), 2", 3", 4"
Maximum Stroke 12"

Optional Accessories:
L0 7130 0100 Rod Clevis
L0 7379 0028 Foot Bracket
L0 7380 0500 Hex Nuts

Mounting Style KDX
Double Acting
Double Rod
Double End Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2} " \), 1", 1\( \frac{1}{2} " \), 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0028 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style N
Single Acting
Spring Return
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: ½", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0032 Foot Bracket

Mounting Style NR
Single Acting
Spring Return
Front Nose Mounting
Non-Rotating Hex Rod
Standard Stroke Lengths: ½", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0032 Foot Bracket

Mounting Style NRP
Single Acting
Spring Return
Rear Pivot Mounting
Non-Rotating Hex Rod
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Optional Accessories: L0 7130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style P
Single Acting
Spring Return
Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: ½", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessories: L0 7130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style R
Single Acting
Spring Extend
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: ½", 1", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0040 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

For additional information – call your local Parker Cylinder Distributor.
Series SRM
Stainless Steel Body Air Cylinders

3/4" Bore Size
Single and Double Acting

Mounting Style RP
Single Acting
Spring Extend
Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: ½", 1", 2", 3", 4"
Maximum Stroke 6"

Optional Accessories: L0 7130 0200 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style D
Double Acting
Front Nose Mounting
Stainless Steel Rod Standard
Maximum Stroke 12"

Optional Accessory:
L0 7379 0040 Foot Bracket

Mounting Style DP
Double Acting
Rear Pivot Mounting
Stainless Steel Rod Standard
Maximum Stroke 12"

Optional Accessories: L0 7131 0200 Pivot Bracket
L0 7130 0200 Rod Clevis

Mounting Style DXP
Double Acting
Double End or Rear Pivot Mounting
Stainless Steel Rod Standard
Maximum Stroke 32"

Optional Accessories:
L0 7131 0200 Pivot Bracket with Pin
L0 7130 0200 Rod Clevis
L0 7379 0040 Foot Bracket

Mounting Style KDX
Double Acting
Double Rod
Double End Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0040 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

For Cylinder Division Plant Locations – See Section H.
3/4" Bore Size
Single and Double Acting

### Mounting Style BRN
**Single Acting**
- Spring Return
- Rear Block Mounting
- Stainless Steel Rod Standard
- Standard Stroke Lengths: 1", 2", 3", 4"
- Maximum Stroke 6"

*To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.*

### Mounting Style BRR
**Single Acting**
- Spring Extend
- Rear Block Mounting
- Stainless Steel Rod Standard
- Standard Stroke Lengths: 1", 2", 3", 4"
- Maximum Stroke 6"

*To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.*

### Mounting Style BFD
**Double Acting**
- Front Block Mounting
- Stainless Steel Rod Standard
- Standard Stroke Lengths: 1/2", 1", 2", 3", 4", 5", 6"
- Maximum Stroke 12"

### Mounting Style BRD
**Double Acting**
- Rear Block Mounting
- Stainless Steel Rod Standard
- Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
- Maximum Stroke 12"

### Mounting Style BFN
**Single Acting**
- Spring Return
- Front Block Mounting
- Stainless Steel Rod Standard
- Standard Stroke Lengths: 1/2", 1", 2", 3", 4"
- Maximum Stroke 6"

*To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.*

### Mounting Style BFR
**Single Acting**
- Spring Extend
- Front Block Mounting
- Stainless Steel Rod Standard
- Standard Stroke Lengths: 1", 2", 3", 4"
- Maximum Stroke 6"

*To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.*

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For additional information – call your local Parker Cylinder Distributor.
Series SRM  Trunnion Mounted Stainless Steel Body Air Cylinders

3/4” Bore Size
Single and Double Acting

Mounting Style TRN
Single Acting
Spring Return
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”
Maximum Stroke 6”

Mounting Style TRR
Single Acting
Spring Extend
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”
Maximum Stroke 6”

Mounting Style TFD
Double Acting
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1/2”, 1”, 2”, 3”, 4”, 5”, 6”
Maximum Stroke 12”

Mounting Style TRD
Double Acting
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”, 5”, 6”
Maximum Stroke 12”

Mounting Style TFN
Single Acting
Spring Return
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1/2”, 1”, 2”, 3”, 4”
Maximum Stroke 6”

Mounting Style TFR
Single Acting
Spring Extend
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”
Maximum Stroke 6”

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

For Cylinder Division Plant Locations – See Section H.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style N
Single Acting
Spring Return
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: ¹/₂", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge).
Specify when ordering.

Mounting Style NR
Single Acting
Spring Return
Front Nose Mounting
Non-Rotating Hex Rod
Standard Stroke Lengths: ¹/₂", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0040 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style NRP
Single Acting
Spring Return
Rear Pivot Mounting
Non-Rotating Hex Rod
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style P
Single Acting
Spring Return
Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: ¹/₂", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style R
Single Acting
Spring Extend
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: ¹/₂", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge).
Specify when ordering.

Mounting Style RP
Single Acting
Spring Extend
Stainless Steel Rod Standard
Standard Stroke Lengths: ¹/₂", 1", 1½", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge).
Specify when ordering.

For additional information – call your local Parker Cylinder Distributor.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style D
Double Acting
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4", 5", 6", 8", 10", 12"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0040 Foot Bracket

NOTE: Piston rod is available w/o wrench flat (at no extra charge). Specify when ordering.

Mounting Style DP
Double Acting
Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4", 5", 6", 7", 8", 10", 12"
Maximum Stroke 32"

Optional Accessories:
L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style DXP
Double Acting
Double End or Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4", 5", 6", 7", 8", 10", 12"
Strokes over 12" must be supported at both ends
Maximum Stroke 32"

Optional Accessories:
L0 7130 0300 Rod Clevis
L0 7131 0200 Pivot Bracket

Mounting Style KDX
Double Acting
Double End Mounting — Double Rod
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0040 Foot Bracket

Mounting Style KDXH
Double Acting
Double End Mounting
Double Hollow Rod
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0040 Foot Bracket

For Cylinder Division Plant Locations – See Section H.
Series SRM Block Mounted Stainless Steel Body Air Cylinders

1-1/16" Bore Size
Single and Double Acting

Mounting Style BRN
Single Acting
Spring Return
Rear Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style BRR
Single Acting
Spring Extend
Rear Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

Mounting Style BFD
Double Acting
Front Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Mounting Style BRD
Double Acting
Rear Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 12"

Mounting Style BFN
Single Acting
Spring Return
Front Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style BFR
Single Acting
Spring Extend
Front Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

For additional information – call your local Parker Cylinder Distributor.
Series SRM Trunnion Mounted Stainless Steel Body Air Cylinders

1-1/16" Bore Size
Single and Double Acting

Mounting Style TRN
Single Acting
Spring Return
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Mounting Style TRR
Single Acting
Spring Extend
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Mounting Style TFD
Double Acting
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Mounting Style TRD
Double Acting
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 12"

Mounting Style TFN
Single Acting
Spring Return
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Mounting Style TFR
Single Acting
Spring Extend
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

For Cylinder Division Plant Locations – See Section H.
Series SRM
Stainless Steel Body Air Cylinders

1-1/4" Bore Size
Single Acting

Mounting Style N
Single Acting
Spring Return
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1/2", 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Optional Accessory:
L0 7379 0048 Foot Bracket

Mounting Style NR
Single Acting
Spring Return
Front Nose Mounting
Non-Rotating Hex Rod
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Optional Accessory:
L0 7379 0048 Foot Bracket

Mounting Style NRP
Single Acting
Spring Return
Double End or Rear Pivot Mounting
Non-Rotating Hex Rod
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Optional Accessories:
L0 7130 0400 Rod Clevis
L0 7132 0300 Pivot Bracket with Pin
L0 7379 0048 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style P
Single Acting
Spring Return
Double End or Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Optional Accessories:
L0 7130 0400 Rod Clevis
L0 7132 0300 Pivot Bracket with Pin
L0 7379 0048 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style R
Single Acting
Spring Extend
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

Optional Accessory:
L0 7379 0048 Foot Bracket

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

For additional information – call your local Parker Cylinder Distributor.
Series SRM
Stainless Steel Body Air Cylinders

1-1/4” Bore Size
Single and Double Acting

Mounting Style RP
Single Acting
Spring Extend
Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”
Maximum Stroke 6”

Optional Accessories:
L0 7130 0400 Rod Clevis
L0 7132 0300 Pivot Bracket with Pin
L0 7379 0048 Foot Bracket

Mounting Style D
Double Acting
Front Nose Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”, 5”, 6”
Maximum Stroke 12”

Optional Accessory:
L0 7379 0048 Foot Bracket

Mounting Style DXP
Double Acting
Double End or Rear Pivot Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”, 5”, 6”, 7”, 8”, 10”, 12”
Strokes over 12” must be supported at both ends
Maximum Stroke 32”

Optional Accessories: 144317 0048 Foot Bracket
L0 7130 0400 Rod Clevis
L0 7132 0300 Pivot Bracket with Pin
L0 7379 0048 Foot Bracket

Mounting Style KDX
Double Acting
Double End Mounting
Double Rod
Stainless Steel Rod Standard
Standard Stroke Lengths: 1”, 2”, 3”, 4”, 5”, 6”
Maximum Stroke 12”

Optional Accessory:
L0 7379 0048 Foot Bracket

Mounting Style KDXH
Double Acting
Double End Mounting
Double Hollow Rod
Standard Stroke Lengths: 1”, 2”, 3”, 4”, 5”, 6”
Maximum Stroke 12”

Optional Accessory:
L0 7379 0048 Foot Bracket

For Cylinder Division Plant Locations – See Section H.

For additional information – call your local Parker Cylinder Distributor.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style D
Double Acting
Front Nose Mounting
Stainless Steel Rod Standard
Maximum Stroke 12"
Optional Accessory: L0 7379 0048 Foot Bracket

Mounting Style DP
Double Acting
Rear Pivot Mounting
Stainless Steel Rod Standard
Maximum Stroke 12"
Optional Accessories: L0 7130 0400 Rod Clevis
L0 7131 0300 Pivot Bracket

Mounting Style DX
Double Acting
Double End Mounting
Stainless Steel Rod Standard
Strokes over 12" must be supported at both ends
Maximum Stroke 32"
Optional Accessory: L0 7379 0048 Foot Bracket

Mounting Style DXP
Double Acting
Double End Mounting
Stainless Steel Rod Standard
Strokes over 12" must be supported at both ends
Maximum Stroke 32"
Optional Accessories: L0 7379 0048 Foot Bracket
L0 7132 0400 Pivot Bracket with Pin
L0 7130 0400 Rod Clevis

Mounting Style KDX
Double Acting
Double End Mounting — Double Rod
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"
Optional Accessory: L0 7379 0048 Foot Bracket

Mounting Style KDXH
Double Acting
Double End Mounting
Double Hollow Rod
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"
Optional Accessory: L0 7379 0048 Foot Bracket

For Cylinder Division Plant Locations – See Section H.
1-1/2” Bore Size
Single and Double Acting

**Mounting Style BRN**
Single Acting
Spring Return
Rear Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

**Mounting Style BRR**
Single Acting
Spring Extend
Rear Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

**Mounting Style BFD**
Double Acting
Front Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

**Mounting Style BRD**
Double Acting
Rear Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

**Mounting Style BFN**
Single Acting
Spring Return
Front Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

**Mounting Style BFR**
Single Acting
Spring Extend
Front Block Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

---

For additional information – call your local Parker Cylinder Distributor.
Series SRM Trunnion Mounted Stainless Steel Body Air Cylinders

1-1/2” Bore Size Single and Double Acting

Mounting Style TRN
Single Acting
Spring Return
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6”

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style TRR
Single Acting
Spring Extend
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6”

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

Mounting Style TFD
Double Acting
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12”

Mounting Style TRD
Double Acting
Rear Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12”

Mounting Style TFN
Single Acting
Spring Return
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6”

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Mounting Style TFR
Single Acting
Spring Extend
Front Trunnion Mounting
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4"
Maximum Stroke 6”

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

For Cylinder Division Plant Locations – See Section H.
Series SRM
Stainless Steel Body Air Cylinders

**Mounting Style N**
- **Single Acting**
- **Spring Return**
- Front Nose Mounting
- Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4"
- Maximum Stroke 6"

**Optional Accessory:**
L0 7379 0102 Foot Bracket

**Mounting Style NR**
- **Single Acting**
- **Spring Return**
- Front Nose Mounting
- Non-Rotating Hex Rod
- Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4"
- Maximum Stroke 6"

**Optional Accessory:**
L0 7379 0102 Foot Bracket

**Mounting Style NRP**
- **Single Acting**
- **Spring Return**
- Rear Pivot or Double End Mounting
- Non-Rotating Hex Rod
- Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4"
- Maximum Stroke 6"

**Optional Accessories:**
L0 7130 0500 Rod Clevis
L0 7132 0400 Pivot Brackets
L0 7379 0102 Foot Bracket

**Mounting Style P**
- **Single Acting**
- **Spring Return**
- Double End or Rear Pivot Mounting
- Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4"
- Maximum Stroke 6"

**Optional Accessories:**
L0 7130 0500 Rod Clevis
L0 7132 0400 Pivot Brackets
L0 7379 0102 Foot Bracket

**Mounting Style R**
- **Single Acting**
- **Spring Extend**
- Front Nose Mounting
- Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4"
- Maximum Stroke 6"

**Optional Accessory:**
L0 7379 0102 Foot Bracket

For additional information – call your local Parker Cylinder Distributor.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style D
Double Acting
Front Nose Mounting
Standard Stroke Lengths: \( \frac{1}{2} \), 1", 1\( \frac{1}{2} \), 2", 2\( \frac{1}{2} \), 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0102 Foot Bracket

Mounting Style DXP
Double Acting
Double End Mounting
Maximum Stroke 32"
Strokes over 12" must be supported at both ends

Optional Accessories:
L0 7130 0500 Rod Clevis
L0 7132 0400 Pivot Brackets
L0 7379 0102 Foot Bracket

Mounting Style KDX
Double Acting
Double End Mounting
Double Rod
Stainless Steel Rod Standard
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0102 Foot Bracket

Mounting Style KDXH
Double Acting
Double End Mounting
Double Hollow Rod
Standard Stroke Lengths: 1", 2", 3", 4", 5", 6"
Maximum Stroke 12"

Optional Accessory:
L0 7379 0102 Foot Bracket

For Cylinder Division Plant Locations – See Section H.
Series SRM
Stainless Steel Body Air Cylinders

2" Bore Size
Single Acting

Mounting Style N
Single Acting
Spring Return
Front Nose Mounting
Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style P
Single Acting
Spring Return
Double End or Rear Pivot Mounting
Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract a half inch.

Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style R
Single Acting
Spring Extend
Front Nose Mounting
Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style RP
Single Acting
Spring Extend
Rear Pivot Mounting
Maximum Stroke 4"

* To determine lengths for half inch stroke increments, determine length for next highest whole number stroke and subtract one inch.

Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7379 1200 Mounting Nut

For additional information – call your local Parker Cylinder Distributor.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style D
Double Acting
Front Nose Mounting
Maximum Stroke 12"

Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style DXP
Double Acting
Double End or Rear Pivot Mounting
Strokes over 12" must be supported at both ends
Maximum Stroke 32"

Optional Accessories: L0 7130 0500 Rod Clevis
L0 7132 0500 Pivot Bracket
L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Mounting Style KDX
Double Acting
Double End Mounting
Double Rod
Stainless Steel Rod Standard
Maximum Stroke 12"

Optional Accessories: L0 7379 0124 Foot Bracket
L0 7380 1200 Mounting Nut

Notes:

For Cylinder Division Plant Locations – See Section H.
Series SRM
Stainless Steel Body Air Cylinders

Mounting Style D
Double Acting
Front Nose Mounting
Maximum Stroke 12"

Optional Accessories:
L0 7139 0132 Foot Bracket
L0 7380 1400 Mounting Nut

Mounting Style DXP
Double Acting
Double End or Rear Pivot Mounting
Strokes over 12” must be supported at both ends
Maximum Stroke 32"

Optional Accessories:
L0 7130 0500 Rod Clevis
L0 7379 0132 Foot Bracket
L0 7132 0500 Pivot Brackets
L0 7380 1400 Mounting Nut

Mounting Style KDX
Double Acting
Double End Mounting
Double Rod
Stainless Steel Rod Standard
Maximum Stroke 12"

Optional Accessories:
L0 7379 0132 Foot Bracket
L0 7380 1400 Mounting Nut

For additional information – call your local Parker Cylinder Distributor.
### Series SRM

#### Stainless Steel Body Air Cylinders

#### Standard Accessories with Dimensions

<table>
<thead>
<tr>
<th>Standard Accessories</th>
<th>Part Number</th>
<th>Bore Used On</th>
<th>Dimensional Data</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Piston Rod Clevis</strong></td>
<td>L07130 0100</td>
<td>9/16</td>
<td>#10-32</td>
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<tr>
<td></td>
<td>L07130 0200</td>
<td>3/4</td>
<td>1/8-28</td>
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<td></td>
<td>L07130 0300</td>
<td>1/16</td>
<td>9/32-24</td>
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<tr>
<td></td>
<td>L07130 0400</td>
<td>1/4, 1/2</td>
<td>7/32-20</td>
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<td></td>
<td>L07130 0500</td>
<td>7/32, 2, 21/2</td>
<td>7/32-20</td>
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<tr>
<td><strong>Pivot Brackets</strong></td>
<td>L07131 0200</td>
<td>3/4, 1/16</td>
<td>1.19</td>
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<td>L07131 0300</td>
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<td><strong>Pivot Brackets</strong></td>
<td>L07132 0100</td>
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<td>.76</td>
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<td>L07132 0200</td>
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<td>L07132 0300</td>
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<td>1.18</td>
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<td></td>
<td>L07132 0400</td>
<td>1/2</td>
<td>1.75</td>
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<td></td>
<td>L07132 0500</td>
<td>1/2, 2, 21/2</td>
<td>1.75</td>
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<td><strong>Foot Bracket</strong></td>
<td>L07379 0028</td>
<td>9/16</td>
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<td>L07379 0032</td>
<td>3/4</td>
<td>1.62</td>
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<td></td>
<td>L07379 0040</td>
<td>3/4, 1/16</td>
<td>1.88</td>
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<td>L07379 0048</td>
<td>1/4, 1/2</td>
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<td></td>
<td>L07379 0102</td>
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<td></td>
<td>L07379 0132</td>
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<td>3.75</td>
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<tr>
<td><strong>Mounting Nut</strong></td>
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<td>9/16</td>
<td>.69</td>
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<td>L07380 0600</td>
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<td>.75</td>
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<td>L07380 0800</td>
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<td>L07380 0900</td>
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<td>L07380 1100</td>
<td>1/4, 1/2</td>
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<td></td>
<td>L07380 1200</td>
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<td></td>
<td>L07380 1400</td>
<td>21/2</td>
<td>2.06</td>
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**Series SRM Trunnion Brackets**

Select brackets for Series SRM Trunnion Mount Cylinders from the table below. (Note: Trunnion Brackets are ordered as a separate item from the cylinder.)

<table>
<thead>
<tr>
<th>Assembly No.</th>
<th>Bore Sizes</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>L076600200</td>
<td>3/4, 1/16, 1/2</td>
<td>1.75</td>
<td>1.38</td>
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<td>.25</td>
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<td></td>
<td>27</td>
<td>38</td>
<td>.500</td>
<td>.69</td>
<td>1.12</td>
<td>.37</td>
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</tbody>
</table>
## Series SRM Available Mounting Styles

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Bore Size</th>
<th>Recommended Max. Stroke (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>Nose mount, spring return</td>
<td>9/16&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3/4&quot;</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>1-1/16&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1-1/4&quot;</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>1-1/2&quot;</td>
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<tr>
<td></td>
<td></td>
<td>1-3/4&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2-1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>NR</td>
<td>Nose mount, spring return, hex rod (non-rotating)</td>
<td></td>
<td>6&quot;</td>
</tr>
<tr>
<td>NRP</td>
<td>Pivot and nose mount, spring return, hex rod</td>
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<td></td>
</tr>
<tr>
<td>P</td>
<td>Pivot mount, spring return</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Nose mount, spring extended</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RP</td>
<td>Pivot and nose mount, spring extend</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Nose mount, double acting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DP</td>
<td>Pivot and nose mount, double acting, pivot pin</td>
<td></td>
<td>12&quot; (under 3/4&quot; bore)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32&quot; (1/4&quot; &amp; up)</td>
</tr>
<tr>
<td>DXP</td>
<td>Pivot and nose mount, double acting, no pivot pin</td>
<td></td>
<td>12&quot; (under 3/4&quot; bore)</td>
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<td></td>
<td></td>
<td></td>
<td>32&quot; (1/4&quot; &amp; up)</td>
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<tr>
<td>DX</td>
<td>Threaded both ends, double acting</td>
<td>See DXP</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>See DXP</td>
<td></td>
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<td></td>
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<td>See DXP</td>
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<td></td>
<td></td>
<td>See DXP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KDX</td>
<td>Threaded both ends, double acting, double rod</td>
<td></td>
<td>6&quot; (under 3/4&quot; bore)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12&quot; (1/4&quot; &amp; up)</td>
</tr>
<tr>
<td>KDXH</td>
<td>Threaded both ends, double acting, hollow rod</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BRR</td>
<td>Rear block mount, single acting, spring return</td>
<td></td>
<td>6&quot;</td>
</tr>
<tr>
<td>BRD</td>
<td>Rear block mount, single acting, double acting</td>
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<td>12&quot;</td>
</tr>
<tr>
<td>BFN</td>
<td>Front block mount, single acting, spring return</td>
<td></td>
<td>6&quot;</td>
</tr>
<tr>
<td>BFR</td>
<td>Front block mount, single acting, spring extend</td>
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<td>6&quot;</td>
</tr>
<tr>
<td>TRN</td>
<td>Rear trunnion mount, single acting, spring return</td>
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<td>6&quot;</td>
</tr>
<tr>
<td>TRR</td>
<td>Rear trunnion mount, single acting, spring extend</td>
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<td>TFD</td>
<td>Front trunnion mount, double acting</td>
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<td>12&quot;</td>
</tr>
<tr>
<td>TRD</td>
<td>Rear trunnion mount, double acting</td>
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<td>12&quot;</td>
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<tr>
<td>TFN</td>
<td>Front trunnion mount, single acting, spring return</td>
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<td>6&quot;</td>
</tr>
<tr>
<td>TFR</td>
<td>Front trunnion mount, single acting, spring extend</td>
<td></td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

▲Recommended maximum stroke is 4" in models N, P, R & RP.
**Series SRM**  
**Stainless Steel Body Air Cylinders**

**Standard Options**

**Bumpers**  
Bumpers are available at extra cost. Add the following dimensions to the overall cylinder length by bore size.

<table>
<thead>
<tr>
<th>Bore Size</th>
<th>9/16&quot;</th>
<th>1/4&quot;</th>
<th>1 1/8&quot;</th>
<th>1 1/4&quot;</th>
<th>1 1/2&quot;</th>
<th>1 3/4&quot;</th>
<th>2&quot;</th>
<th>2 1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring Return</td>
<td>.062&quot;</td>
<td>.125&quot;</td>
<td>.125&quot;</td>
<td>.125&quot;</td>
<td>*</td>
<td>.125&quot;</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Spring Extend</td>
<td>.062&quot;</td>
<td>.125&quot;</td>
<td>.125&quot;</td>
<td>.125&quot;</td>
<td>*</td>
<td>.125&quot;</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Double Acting</td>
<td>.125&quot;</td>
<td>.25&quot;</td>
<td>.25&quot;</td>
<td>.25&quot;</td>
<td>*</td>
<td>.250&quot;</td>
<td>.250&quot;</td>
<td></td>
</tr>
<tr>
<td>K-type</td>
<td>.125&quot;</td>
<td>.312&quot;</td>
<td>.25&quot;</td>
<td>.25&quot;</td>
<td>.25&quot;</td>
<td>*</td>
<td>.250&quot;</td>
<td>.250&quot;</td>
</tr>
</tbody>
</table>

*Bumpers are furnished as standard and do not affect overall length.*

**Stainless Steel Piston Rods**  
Corrosion resistant stainless steel is the standard piston rod material for all bore sizes up to and including 1.50 inch bore at no additional cost. The only exception to the stainless steel standard is when a hollow rod or non-rotating hexagonal rod option is specified. Stainless steel is also the standard material on block, trunnion and KDX mounts. Stainless steel is available on other sizes for an additional charge.

**Rod Wiper**  
Series SR/SRM cylinders can be fitted with a rod wiper that is specially designed to prevent contaminants from clinging to the piston rod and damaging the piston rod seal. Available in 3/4", 1-1/16", and 1-1/2" bores, the piston rod wiper can be added to the SR/SRM and SRD/SRDM series.

**Adjustable Cushion Option**  
Cushions can be selected on nine bore sizes, ranging from .75" bore to 3.0" bore with mounting styles D, front nose mount, and DXP, rear pivot mount. Adjustable cushions are optional at either end or both ends of Series SR/SRM cylinders.

**Cushion Adjusting Needle Valves**  
The fine-thread cushion needle valves make precise adjustment quick and easy. The needle valve is fully captured to allow for safe cushion adjustment while cylinder is pressurized. The brass needle valves are corrosion resistant. The standard position for needle valve adjustments is position 1, 90° from the port. See port location table for Series SR Cylinders.

**Check Seal Cushion**  
The “Check Seal” system offers excellent cushioning efficiency and long cushion seal life. This seal is specifically designed for cushion applications and has a long history in our products. Extensive side by side testing of the check seal in Series SR cylinders significantly outlasted and outperformed competitors’ o-ring shaped seals.

The Check Seal’s unique geometry exhibits the dynamic sealing capabilities of a lipseal. As the cushion sleeve enters the Check Seal at the end of stroke, the Check Seal blocks the air from exhausting directly through the port and forces the air through the adjustable needle valve orifice. The exhaust airflow is precisely metered to control the desired rate of deceleration of the cylinder piston.

During stroke reversal, the check valve action of the Check Seal induces a fast out-of-cushion response. The Check Seal floats forward in the retainer groove as the cushion sleeve exits the Cushion Seal, thereby creating a path for maximum air flow around the Check Seal to access the piston face. The quick response of the Check Seal design yields faster cycle times and increased productivity.
Use the graphs below to determine whether a cylinder will adequately decelerate a load without damage to the cylinder. Find the point on the graph where the piston rod speed intersects the weight of the load. Any cylinder bore size above the intersect point will adequately decelerate the load at that speed.

### Critical Mounting Dimensions for Series SR and SRM Cylinders with Adjustable Cushions

In most cases, cylinder mounting dimensions are not affected when cushions are specified. Standard catalog dimensions apply when cushions are specified at either end of a DXP mount and when specified at the head end only of a D mount. The only exception to standard catalog dimensions is when a cushion is specified on the cap end or both ends of a D mount. Please consult Table A for the critical mounting dimensions on D mount SR and SRM cylinders with cushions both ends or cushions cap end only. Table B shows the cushion lengths for SR and SRM cylinders.

<table>
<thead>
<tr>
<th>Bore Size</th>
<th>.75&quot;</th>
<th>.88&quot;</th>
<th>1.06</th>
<th>1.25</th>
<th>1.50</th>
<th>1.75</th>
<th>2.00</th>
<th>2.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>A + Stroke</td>
<td>3.40</td>
<td>3.49</td>
<td>4.31</td>
<td>4.12</td>
<td>5.25</td>
<td>5.06</td>
<td>5.06</td>
<td>5.06</td>
</tr>
<tr>
<td>A + Stroke</td>
<td>0.28</td>
<td>0.28</td>
<td>0.38</td>
<td>0.31</td>
<td>0.42</td>
<td>0.47</td>
<td>0.47</td>
<td>0.47</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bore Size</th>
<th>.75&quot;</th>
<th>.88&quot;</th>
<th>1.06</th>
<th>1.25</th>
<th>1.50</th>
<th>1.75</th>
<th>2.00</th>
<th>2.50</th>
</tr>
</thead>
<tbody>
<tr>
<td>A + Stroke</td>
<td>0.28</td>
<td>0.28</td>
<td>0.31</td>
<td>0.38</td>
<td>0.31</td>
<td>0.38</td>
<td>0.47</td>
<td>0.47</td>
</tr>
<tr>
<td>A + Stroke</td>
<td>3.40</td>
<td>3.49</td>
<td>4.31</td>
<td>4.12</td>
<td>5.25</td>
<td>5.06</td>
<td>5.06</td>
<td>5.06</td>
</tr>
</tbody>
</table>

* .88" & 3.00" Bores not available in SRM Series.
For Cylinder Division Plant Locations – See Section H.

Series SRM Trunnion Brackets
Select brackets for Series SRM Trunnion Mount Cylinders from the table below. (Note: Trunnion Brackets are ordered as a separate item from the cylinder.)

<table>
<thead>
<tr>
<th>Assembly No.</th>
<th>Bore Sizes</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>L076600200</td>
<td>7/16&quot;, 1/4&quot;, 1/2&quot;</td>
<td>1.75</td>
<td>1.38</td>
<td>1.50</td>
<td>1</td>
<td>.25</td>
<td>.25</td>
<td>.27</td>
<td>.38</td>
<td>.500</td>
<td>.69</td>
<td>1.12</td>
<td>.37</td>
</tr>
</tbody>
</table>

Magnet Actuated Switches with Quick Connect
The standard lead wire length for magnet actuated switches is 39" (1 meter). Switches are also offered with a 6 (six) inch lead with a male quick connect option. Shown below is the switch for Series SRM cylinders.

Switches with 6" leads and male “quick-connect” end

<table>
<thead>
<tr>
<th>Series</th>
<th>Reed</th>
<th>NPN Sinking</th>
<th>PNP Sourcing</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRM</td>
<td>145903000C*</td>
<td>146714000C*</td>
<td>146715000C*</td>
</tr>
</tbody>
</table>

* Stainless steel worm gear type clamps must be ordered separately.

Cordset with Female Quick Connect
A female connector is available for all switches with the male quick connect option. The male plug will accept a snap-on or threaded connector. Cordset part numbers and other manufacturer's part numbers are listed below:

<table>
<thead>
<tr>
<th>Cable Length</th>
<th>Threaded Connector</th>
<th>Snap-On Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 meters</td>
<td>086620T005</td>
<td>086620S005</td>
</tr>
<tr>
<td>2 meters</td>
<td>086620T002</td>
<td>086620S002</td>
</tr>
</tbody>
</table>

Cordset Specifications:
- Connector: Oil resistant polyurethane body material, PA 6 (Nylon) contact carrier, spacings to VDE 0110 Group C, (30 VAC / 36 VDC)
- Contacts: Gold plated beryllium copper, machined from solid stock
- Coupling Method: Snap-Lock or chrome plated brass nut
- Cord Construction: Oil resistant black PUR jacket, non-wicking, non-hygrosopic, 300V. Cable end is stripped and tinned.
- Conductors: Extra high flex stranding, PVC insulation
- Temperature: -40 to 194°F (-40 to 90°C)
- Protection: NEMA 1, 3, 4, 6P and IEC IP67
- Cable Length: 6.56 ft (2m) or 16.4 ft (5m)
How To Order Series SRM Air Cylinders

Each Series “SRM” cylinder can be specified by using the symbols in the chart below to develop a model number. Select only those symbols that represent the cylinder features desired, and place them in sequence indicated by the example at the top of the chart. Switches and clamps must be ordered separately.

<table>
<thead>
<tr>
<th>Bore Size</th>
<th>Cushion Head</th>
<th>Double Rod</th>
<th>Mounting Style</th>
<th>Series</th>
<th>Piston</th>
<th>Seals</th>
<th>Special</th>
<th>Non-Standard Rod</th>
<th>Non-Standard Rod Dim.</th>
<th>Cushion Cap</th>
<th>Stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.06</td>
<td>C</td>
<td>K</td>
<td>D</td>
<td>SRM</td>
<td>B</td>
<td>W</td>
<td>S</td>
<td>Y</td>
<td>3</td>
<td>C</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Specify: 0.56-7/16, 0.75-7/8, 1.06-1 1/8, 1.25-1 1/4, 1.50-1 1/2, 1.75-1 3/4, 2.00-2, 2.50-2 1/2

When cushion head is required.

Specify: N, NR, NRP, P, RP, D, DP, DXP, DX, DXH, A, RA, AP, AR, BRN, BR, BFD, BRD, BFN, BFR, TR, TRN, TRH, TFD, TRD, TFN or TFR.

Specify: W only when rod wiper required.

Use only if special modifications are required, except piston rod end.

Specify Y for stainless steel piston rod.

Stainless steel is standard on all bore sizes up to and including 1.50” Bore.

Note: Due to insufficient port depth, port adapter fitting cannot be used for head end ports of 9/16” bore cylinders. Use barbed fitting.

For additional information – call your local Parker Cylinder Distributor.