Eaton offers the world’s broadest line of industrial Hydraulic, Pneumatic, and Electro-Hydraulic cylinders. And now a wide range of Eaton’s Hydro-Line® standard, tie-rod Hydraulic and Pneumatic cylinders are offered with 3-day Express shipment.

Eaton Express – Hydro-Line® cylinder shipment program

Eaton Express... when you need it fast.
Eaton Express – Hydro-Line® cylinder shipment program

Program guidelines

- All Express orders received by 12:00pm CST will ship from Eaton’s facility by the end of the third day after order receipt.
- Eaton standard warranty applies to all cylinders shipped with Express shipment program.
- Maximum order quantity of five per model code, per ship-to address.
- The Express shipment program only applies to standard cataloged products within the scope of the offering listed in the table attached. The Express Shipment offering is subject to change in the future.
- Express orders must be on a separate order from non-Express items.
- All orders must be drop shipped to the end-customer’s location. Orders will not be shipped to U.S. distributor locations under this program. Exceptions will be made for shipments to Canada and Mexico only.
- No premium charge, standard distributor discounts apply.
- Email Express orders directly to Express@Eaton.com, or contact your Eaton customer service representative for assistance.
- Eaton reserves the right to refuse any order due to temporary inability to deliver.
- Valid customer ship-to information and routing instructions are required at the time of order placement, or previously established within the Eaton order entry system.

Eaton Express ready:

**N5**

**High pressure, Hydraulic tie rod**
- ANSI/NFPA
- Single rod
- 1.5”-6” Bore with stroke lengths to 60”
- Variety of mount styles including side lug, rectangular flange head/cap, rectangular head/cap, clevis, and no mount
- All rod end styles or minor modification
- Extra rod projection
- Standard SAE, NPTF, & BSPP porting in any position
- Standard cushions (optional)
- Stop tubes
- Normal & high temperature seals
- Additional wrench flats

**R5, HR5**

**Lower pressure, Hydraulic/Pneumatic tie rod**
- ANSI/NFPA
- Single rod
- 1.5”-6” Bore with stroke lengths to 60”
- Variety of mount styles including side lug, rectangular flange head/cap, clevis, and no mount
- All rod end styles or minor modification
- Extra rod projection
- Standard SAE & NPTF porting in any position
- Standard cushions (optional)
- Stop tubes
- Standard & high temperature Viton® seals
- Additional wrench flats

**TS, HTS**

**Medium pressure, Hydraulic/Pneumatic threaded**
- Single rod
- 3/4”-3” Bore with stroke lengths to 60”
- Variety of mount styles including side, head square, clevis, cap square, tapped head, threaded head
- All rod end styles (not modified)
- Extra rod projection
- Standard SAE & NPTF porting in most positions
- Standard cushions (optional)
- Stop tubes
- Standard & high temperature Viton® seals
- Additional wrench flats

**Hydro-Line® Q6**

**Aluminum, Pneumatic tie rod**
- ANSI/NFPA
- Single rod
- 1.5”-8” Bore with stroke lengths to 60”
- Variety of mount styles including side/end lugs, clevis, head/cap rectangular flange, head/cap square, extended tie rod, no mounts, and many more
- All rod end styles
- Extra rod projection
- Standard SAE & NPTF porting in any position
- Standard cushions (optional)
- Standard & high temperature Viton® seals
- Additional wrench flats
<table>
<thead>
<tr>
<th>Models</th>
<th>Bores</th>
<th>Rods</th>
<th>Rod Ends</th>
<th>Piston Rod Mods</th>
<th>Ports (Any Position)</th>
<th>Cushions (Any Position)</th>
<th>Road Ends</th>
<th>Piston Rod Ends</th>
<th>Cushions (Any Position)</th>
<th>Rod End Stops</th>
<th>Strokes Available</th>
<th>Non-Standard Ends</th>
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<tbody>
<tr>
<td>N5</td>
<td>single rod</td>
<td>1 -1/2&quot;</td>
<td>5/8&quot;</td>
<td>1, 1X, 2, 2X, 4, 5, 6 custom KK &amp; A Dims*</td>
<td>ERP, NPTF, or BSPP</td>
<td>Extra ports under size ports</td>
<td>With or without</td>
<td>Types: H, V, N, P, OR F</td>
<td>Types: N, V, P, or B</td>
<td>Up to 60&quot;</td>
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<tr>
<td>Q6</td>
<td>single rod</td>
<td>1 -1/2&quot;</td>
<td>5/8&quot;</td>
<td>1, 1X, 2, 2X, 4, 5, 6</td>
<td>None</td>
<td>None</td>
<td>With or without</td>
<td>Type N or type V</td>
<td>Type N or type V</td>
<td>All Except</td>
<td>Up to 60&quot;</td>
<td>No</td>
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**KK** = OD thread, "A" = thread length. "KK" threads are limited to standard threads in the catalog that are non-standard for that rod size/type. The thread length "A" < 2.5 X piston rod diameter.

**These mounts limited to 4" bores and smaller**
<table>
<thead>
<tr>
<th>Models</th>
<th>Bores</th>
<th>Rods</th>
<th>Rod Ends</th>
<th>Piston Rod Mods</th>
<th>Ports* (Most Position)</th>
<th>Port Modes</th>
<th>Cushions*,**</th>
<th>Rod Seals</th>
<th>Piston Seals</th>
<th>Mounts Available</th>
<th>Strokes Available</th>
<th>Stop Tube</th>
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<td>TS/HTS single rod</td>
<td>3/4&quot;</td>
<td>3/8&quot;</td>
<td>4, 6</td>
<td>ERP</td>
<td>SAE or NPTF</td>
<td>None</td>
<td>With or without</td>
<td>Type H or type V</td>
<td>Type N or type V</td>
<td>EE</td>
<td>Up to 60&quot;</td>
<td>No</td>
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<tr>
<td>1&quot;</td>
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<td>1/2&quot;</td>
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<td>4/6 wrench</td>
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</tbody>
</table>

* Port & cushion in location #1 for foot mount (EE), for mounting codes GG, CF and PP, ports position #4 only
** No cushion on 3/4" & 1" bore

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