Stamping Solution

Hydraulic Die Retention Cylinder
ML#312447 & ML#312726

**BENEFITS**
- Drop-in replacement
- 50 to 4,000 psi operating pressure range - hydraulic
- Field repairable, increases value and provides longer life
- PHD offers rebuild program providing same warranty as new unit
- Spring extend for ease of setup
- Safe disassembly (springs decompress before bolts disengage - ML312447 only*)
- Chrome-plated rod increases life
- Other port threads available
- Improved holding force

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>ML#312447</th>
<th>IMPERIAL</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROKE</td>
<td>.315&quot;</td>
<td>8 mm</td>
</tr>
<tr>
<td>BORE</td>
<td>3.125</td>
<td>79.4 mm</td>
</tr>
<tr>
<td>MIN OPERATING PRESSURE</td>
<td>50 psi</td>
<td>3.45 bar</td>
</tr>
<tr>
<td>MAX OPERATING PRESSURE</td>
<td>4000 psi</td>
<td>276 bar</td>
</tr>
<tr>
<td>FORCE AT 4,000 PSI (276 bar)</td>
<td>29,515 lb</td>
<td>131 KN</td>
</tr>
</tbody>
</table>

*ML#312447

<table>
<thead>
<tr>
<th>ML#312726</th>
<th>IMPERIAL</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROKE</td>
<td>.320</td>
<td>8.13 mm</td>
</tr>
<tr>
<td>BORE</td>
<td>2.5</td>
<td>63.5 mm</td>
</tr>
<tr>
<td>MIN OPERATING PRESSURE</td>
<td>50 psi</td>
<td>3.45 bar</td>
</tr>
<tr>
<td>MAX OPERATING PRESSURE</td>
<td>6000 psi</td>
<td>414 bar</td>
</tr>
<tr>
<td>FORCE AT 6,000 PSI (414 bar)</td>
<td>29,452 lb</td>
<td>131 KN</td>
</tr>
</tbody>
</table>

*ML#312447

CP312447C
ML#312447

NOTES:
1) 2-1/2" BORE x .320" STROKE
2) 6000 PSI MAX OPERATING PRESSURE
3) SPRING EXTEND
4) UNIT SHOWN IN EXTEND POSITION
5) SEALS MADE FROM PARKER POLYMYTE
6) UNLESS TOLERANCED ALL DIMENSIONS ARE FOR REFERENCE

ML#312726

NOTES:
1) 2-1/2" BORE x 320° STROKE
2) 6000 PSI MAX OPERATING PRESSURE
3) SPRING EXTEND
4) UNIT SHOWN IN EXTEND POSITION
5) SEALS MADE FROM PARKER POLYMYTE
6) UNLESS TOLERANCED ALL DIMENSIONS ARE FOR REFERENCE