BP4 SERIES LOCKOUT PIN
5000 lbf LOCKOUT LOAD CAPACITY

PNEUMATIC, DOUBLE ACTING RETRACTABLE PIN
SPRING EXTEND OPTION AVAILABLE:
AIR LOSS TRIGGERS MECHANICAL
SPRING EXTENSION

SOLID STATE CYLINDER SWITCH
70mm BORE INTEGRATED
PNEUMATIC CYLINDER

CONICAL NOSE OPTION SHOWN
FOR LOCKOUT AND
LOCATIONAL APPLICATIONS

OPTIONAL BARREL PROX
SWITCH BRACKET
WITH SWITCH DOG

FLAT NOSE OPTION SHOWN
FOR LOCKOUT APPLICATIONS

ALL RAMS ARE
HARDENED 4140
Rc 45 MIN.

LOCKOUT PIN APPLICATIONS
TURNTABLES
TRUNNION FIXTURES
TURN-OVER UNITS
LIFTERS & SLIDES
SAFETY COMPLIANCE

REVISED 6/13/16
# ORDERING INFORMATION

NOTE: ALL BOXES MUST BE FILLED IN FOR A COMPLETE PART NUMBER

<table>
<thead>
<tr>
<th>Pin Dia</th>
<th>Stroke (mm)</th>
<th>Actuator</th>
</tr>
</thead>
<tbody>
<tr>
<td>48mm Nominal</td>
<td>25mm</td>
<td>Pneumatic 70mm Bore - Single Rod - NPT</td>
</tr>
<tr>
<td></td>
<td>50mm</td>
<td>Pneumatic 70mm Bore - Single Rod - G Port</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pin Nose</th>
<th>Spring Extend</th>
<th>Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conical</td>
<td>No spring</td>
<td>No Switch</td>
</tr>
<tr>
<td>Flat</td>
<td>Spring Extend</td>
<td>LX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Precision</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Standard Tolerance (± .010” Extended Ram Axial Lash-Lockout Only at 2500lbf)</td>
</tr>
<tr>
<td>H</td>
<td>High Locational Tolerance (± .005” Extended Ram Axial Lash-Lock &amp; Locate at 1000lbf)</td>
</tr>
</tbody>
</table>

## SPRING EXTEND OPTION "E": SPRING FORCE

<table>
<thead>
<tr>
<th>STROKE</th>
<th>ACTUATOR 01/02</th>
<th>ACTUATOR 03/04</th>
</tr>
</thead>
<tbody>
<tr>
<td>25mm STROKE EXTENDED</td>
<td>100 LBF</td>
<td>60 LBF</td>
</tr>
<tr>
<td>50mm STROKE EXTENDED</td>
<td>80 LBF</td>
<td>40 LBF</td>
</tr>
<tr>
<td>FULLY RETRACTED</td>
<td>115 LBF</td>
<td>80 LBF</td>
</tr>
</tbody>
</table>

## Cylinder Switches

<table>
<thead>
<tr>
<th>Switch Option</th>
<th>Part Number</th>
<th>Manufacturer</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L3</td>
<td>L3 switch is weld field immune, comparable to World Switches (Dual sensor, single connector switch: 1 switch installed per cylinder)</td>
<td>Welker</td>
<td>4-Wire, 4-Pin, DC (PNP) M12 X 1 Quick Disconnect</td>
</tr>
<tr>
<td>L5</td>
<td>MK5113 (Single sensor, single connector switch: 2 switches installed per cylinder)</td>
<td>Ifm Efector</td>
<td>3-Wire, 4-Pin, DC (NPN) M12 X 1 Quick Disconnect</td>
</tr>
</tbody>
</table>

Standard Switch Option - All other options may affect price and delivery
FLAT PIN
RETRACTED POSITION
SHOWN WITH CYLINDER SWITCH OPTION "L0"

NOTES:
- ALL RAMS ARE HARDENED 4140 Rc 45 MIN.
- CYLINDERS INCLUDE MAGNETIC PISTON
- OPTIONAL SPRING EXTEND
  (AIR LOSS TRIGGERS MECHANICAL SPRING EXTENSION)
- MAX WEIGHT WITH 50mm STROKE: 21.5 lbf

CONICAL PIN
RETRACTED POSITION
SHOWN WITH CYLINDER SWITCH OPTION "B1" &
DOUBLE ROD OPTION

(800) 229-0890 www.welkerproducts.com
BP4 RECEIVERS

LOCATIONAL PIN RECEIVER (2-WAY)
ORDER AS #BRP01E90 FOR
CONICAL NOSE OPTION "1"
CARB & HARDENED Rc 45-50

LOCATIONAL PIN RECEIVER (4-WAY)
ORDER AS #BRP01E91 FOR
CONICAL NOSE OPTION "1"
CARB & HARDENED Rc 45-50

LOCKOUT PIN RECEIVER
(CLEARANCE)
ORDER AS #BRP01E92 FOR
NOSE OPTION "2"