WEDGE LOCK S01631

IDEAL FOR PRESS STATION APPLICATION:
REDUCES DEFLECTION IN LIFT & LOCATE STATION

INTEGRATED WORLD SWITCH
FOR POSITION SENSING

RAM RETRACTS INSIDE BODY
ALLOWING TIGHT POSITIONING
OF BACKUP

ANTI-ROTATE SQUARE RAM
MACHINED OF HARDENED ALLOY
STEEL. ENABLES WEDGE TO BE
POSITIONED IN 90° INCREMENTS

10° WEDGE PROVIDES SECURE
LOCATION AND EASY RETRACTING

PNEUMATIC ACTUATOR
NPT OR G PORTS

STEEL BODY MAXIMIZES
SIDE LOAD CAPACITY

INSTALLATION EXAMPLE:
LAST 5mm OF RAM EXTENSION IS
UNDER SPRING FORCE TO SEAT
AGAINST BACKUP, NOT DEFLECT IT

RELEASED 5/26/20

Welker Engineered Products      1401 Piedmont, Troy MI 48083      (800) 229-0890      www.welkerproducts.com
ORDERING INFORMATION

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

Stroke
050 50mm Stroke

Actuator
01 Pneumatic - NPT
02 Pneumatic - G Port

Switch
00 No Switch
CE See World Switch chart

Port Position
A P1 Port Position
B P2 Port Position
C P3 Port Position
D P4 Port Position

Ram Position
0 P3 Position
1 P4 Position
2 P1 Position
3 P2 Position

WORLD SWITCH CHART

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Part Number</th>
<th>Manufacturer</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO1 EXTEND</td>
<td>Ni2-Q6.5-AN6-0.1-FS 4.4X3/S304</td>
<td>Turck</td>
<td>4-Wire, 4-Pin, DC M12 X 1 (NPN)</td>
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<tr>
<td>SO1 RETRACT</td>
<td>NBN2-F581-100S6-EB-V1</td>
<td>Pepperl &amp; Fuchs</td>
<td>4-Wire, 4-Pin, DC M12 X 1 (PNP)</td>
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<tr>
<td></td>
<td>BES-Z02KR2-PSC20F-P100-S04-V</td>
<td>Balluff</td>
<td>3-Wire, 4-Pin, DC M12 X 1 (PNP)</td>
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<tr>
<td></td>
<td>IN5374</td>
<td>Efector</td>
<td>3-Wire, 4-Pin, DC M12 X 1 (PNP)</td>
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<td>WWS001A</td>
<td>WELKER</td>
<td>4-Wire, 4-Pin, DC M12 X 1 (PNP)</td>
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Standard Switch Option - All other options may affect price and delivery

Note: All applications require Welker Engineering approval.
GENERAL DIMENSIONS

LOAD CAPACITY

<table>
<thead>
<tr>
<th>LINE PRESSURE</th>
<th>DYNAMIC*</th>
<th>STATIC</th>
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<tbody>
<tr>
<td>60 PSI</td>
<td>485 LBF</td>
<td>5000 LBF</td>
</tr>
<tr>
<td>80 PSI</td>
<td>650 LBF</td>
<td>5000 LBF</td>
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* DYNAMIC LOAD CAPACITY IS THE MAXIMUM ALLOWABLE LOAD APPLIED ON WEDGE WHICH WILL ALLOW UNIT TO RETRACT AT GIVEN LINE PRESSURE.