DS3 DOUBLE SHEAR LOCKOUT UNIT

APPLICATIONS
TRUNNIONS & LINEAR MOTION LOCKOUT

DOUBLE SHEAR PIN ALLOWS FOR 10,000 LBF. SIDE LOAD CAPACITY

SUITABLE FOR AUTOMATIC OR MANUAL TOOLING

OPTIONAL SPRING EXTEND FEATURE TO MAINTAIN ENGAGEMENT IN THE ABSENCE OF AIR PRESSURE

HIGH STRENGTH MATERIALS WITH CORROSION AND WELD SPATTER RESISTANT SURFACE

MAINTENANCE FREE OPERATION
ORDERING INFORMATION

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

Actuator
30 Welker 70mm Bore w/ NPT ports
31 Welker 70mm Bore w/ G ports
32 70mm Bore Dbl Rod w/ NPT ports
33 70mm Bore Dbl Rod w/ G ports

Spring Extend
0 No spring
E Spring Extend

Switch
00 No switch
LX See cylinder switch chart below

Foot Pedal
X None
F Pneumatic Foot Pedal Valve

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

<table>
<thead>
<tr>
<th>Switch</th>
<th>Part Number</th>
<th>Manufacturer</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>L3</td>
<td>SWITCH L3*</td>
<td>Welker</td>
<td>4-Wire, 4-Pin, DC (PNP) M12 X 1 Quick Disconnect</td>
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<tr>
<td></td>
<td>L3 switch is weld field immune, comparable to World Switches. Dual sensor switch, 1 per cylinder</td>
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<tr>
<td>L5</td>
<td>MK5113</td>
<td>ifm Efector</td>
<td>3-Wire, 4-Pin, DC (NPN) M12 X 1 Quick Disconnect</td>
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<tr>
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<td>Single sensor switch, 2 switches per cylinder</td>
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Standard Switch Option - All other options may affect price and delivery

*Note that some mid and low frequency DC resistance applications (i.e. aluminum resistance welding applications) may cause a fault. In these applications, it is recommended that the sensor be ignored/bypassed during the welding cycle.
NOTE: LOADS GREATER THAN 3,000lbf
REQUIRE CUSTOMER MOUNTING TO BE
HIGH STRENGTH STEEL AND GRADE
12.9 BOLTS.
DISK ORDERING INFORMATION

**Disk Diameter**
- 204 Standard Diameters: 204, 305, 407

**Number of Holes (See Hole Note)**
- 08 Number of Holes are Evenly Spaced About Diameter

**Bore Type**
- **E** English Bore
- **M** Metric Bore

THRU BORE OF KEYLESS COUPLER
OPTION 'E' Ø1.500 +0.002/-0.000
OPTION 'M' Ø40.00 +0.05/-0.00
RECOMMENDED SHAFT SIZE IS NOMINAL +0.00/-0.05 [+0.000/-0.002]

FOR 204mm DISK, 75mm
FOR 305mm DISK, 125mm
FOR 407mm DISK, 175mm

**HOLE NOTE:** Ø36.0 THRU
MAX NUMBER OF HOLE VARIES W/DISK DIA
FOR 204mm DISK (8) HOLES MAX
FOR 305mm DISK (12) HOLES MAX
FOR 407mm DISK (16) HOLES MAX

**ASSEMBLY WEIGHTS**
- 204mm DIA w/COUPLER = 9lbm
- 305mm DIA w/COUPLER = 23lbm
- 407mm DIA w/COUPLER = 43lbm

CONTACT WELKER FOR CUSTOM ASSEMBLIES
1. SPECIAL HOLE PATTERNS
2. SPECIAL DISK DIAMETERS
3. KEYLESS COUPLER THRU BORE SIZES
4. HIGHER TORQUE CAPACITIES

SHEET 4