CLM SERIES LIFTERS

COMMERCIALLY AVAILABLE LIFTERS THAT PROVIDE ALL THE DESIRED FEATURES APPLICATIONS DEMAND. CLM LIFTERS ARE COMPACT, ROBUST, AND EASY TO INSTALL. THEY ARE DESIGNED TO OPERATE SUCCESSFULLY IN HARSH ENVIRONMENTS.

AVAILABLE WITH PNEUMATIC, HYDRAULIC, OR ELECTRIC/SERVO ACTUATORS

LIFTER APPLICATIONS:
- WELD GUNS
- NUT RUNNERS
- GEO TOOLING
- MACHINING HEADS
ORDERING INFORMATION

CLM40-STROKE-{CYLINDER}

Stroke is 50mm - 1000mm

See Chart Below

ORDERING EXAMPLES:
TO ORDER UNIT WITH WELKER 4" BORE X 150mm STROKE LOCKING CYL W/ NPT PORTS, AS SHOWN, ORDER AS:
#CLM40-150-WEL4
TO ORDER UNIT WITH WELKER 4" BORE X 150mm STROKE LOCKING CYL W/ G PORTS, ORDER AS:
#CLM40-150-50-WEL6

CAPACITY:
60psi LOAD CAP. FOR STD LOCKING & NON-LOCKING AIR CYL:
365lbf (EXTEND) - 325lbf (RETRACT)
MIN. 60psi TORELEASE LOCKING CYLINDERS

WEIGHTS IN LBS (WEIGHTS SHOWN ARE APPROXIMATE, WILL VARY WITH OPTIONS)

<table>
<thead>
<tr>
<th>STROKE (mm)</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>600</th>
<th>700</th>
<th>800</th>
<th>900</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLM40</td>
<td>252</td>
<td>261</td>
<td>269</td>
<td>278</td>
<td>287</td>
<td>295</td>
<td>304</td>
<td>313</td>
<td>321</td>
<td>330</td>
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</tbody>
</table>

*FOR HYDRAULIC AND SERVO UNITS CONTACT WELKER. (DO NOT SCALE DRAWING)
### ORDERING INFORMATION

**CLM50-STROKE-{CYLINDER}**

Stoke is 50mm - 1000mm

See Chart Below

<table>
<thead>
<tr>
<th>CYL OPTION</th>
<th>CYL TYPE</th>
<th>CYL BORE</th>
<th>CYL BRAKE PORTS</th>
<th>MAIN CYL PORTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>-WEL1</td>
<td>NON-LOCK</td>
<td>6&quot;</td>
<td>N/A</td>
<td>3/4 NPT</td>
</tr>
<tr>
<td>-WEL2</td>
<td>NON-LOCK</td>
<td>6&quot;</td>
<td>N/A</td>
<td>#12 SAE</td>
</tr>
<tr>
<td>-WEL3</td>
<td>NON-LOCK</td>
<td>6&quot;</td>
<td>N/A</td>
<td>3/4 G</td>
</tr>
<tr>
<td>-WEL4</td>
<td>LOCK</td>
<td>6&quot;</td>
<td>1/4 NPT</td>
<td>3/4 NPT</td>
</tr>
<tr>
<td>-WEL5</td>
<td>LOCK</td>
<td>6&quot;</td>
<td>#4 SAE</td>
<td>#12 SAE</td>
</tr>
<tr>
<td>-WEL6</td>
<td>LOCK</td>
<td>6&quot;</td>
<td>1/4 G</td>
<td>3/4 G</td>
</tr>
<tr>
<td>-WEL7</td>
<td>NON-LOCK</td>
<td>8&quot;</td>
<td>N/A</td>
<td>3/4 NPT</td>
</tr>
<tr>
<td>-WEL8</td>
<td>NON-LOCK</td>
<td>8&quot;</td>
<td>N/A</td>
<td>#12 SAE</td>
</tr>
<tr>
<td>-WEL9</td>
<td>NON-LOCK</td>
<td>8&quot;</td>
<td>N/A</td>
<td>3/4 G</td>
</tr>
</tbody>
</table>

**ORDERING EXAMPLES:**

TO ORDER UNIT WITH WELKER 6" BORE X 150mm STROKE NON-LOCKING CYL W/ NPT PORTS, AS SHOWN, ORDER AS:

#CLM50-150-WEL1

TO ORDER UNIT WITH WELKER 6" BORE X 150mm STROKE LOCKING CYL W/ G PORTS, ORDER AS:

#CLM50-150-WEL6

**CAPACITY:**

6" BORE

60psi LOAD FOR STD LOCKING & NON-LOCKING AIR CYL:

850lbf (EXTEND) - 800lbf (RETRACT)

8" BORE

60psi LOAD FOR STD LOCKING AIR CYL:

1500lbf (EXTEND) - 1400lbf (RETRACT)

MIN. 60psi TO RELEASE LOCKING CYLINDERS

**WEIGHTS IN LBS (WEIGHTS ShOWN ARE APPROXIMATE, WILL VARY WITH OPTIONS)**

<table>
<thead>
<tr>
<th>STROKE (mm)</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>600</th>
<th>700</th>
<th>800</th>
<th>900</th>
<th>1000</th>
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</thead>
<tbody>
<tr>
<td>CLM50</td>
<td>557</td>
<td>569</td>
<td>581</td>
<td>593</td>
<td>605</td>
<td>617</td>
<td>629</td>
<td>641</td>
<td>653</td>
<td>665</td>
</tr>
</tbody>
</table>

(ENGINEERED PRODUCTS)

(800) 229-0890 www.welkerproducts.com

SHEET 3
GENERAL DIMENSIONS
CLM40

CUSTOMER SUPPLIED 18mm PROX SWITCHES
SHOWN REPRESENT OPTIONAL MOUNTING LOCATIONS

32X M12x1.75 TAP THRU
16X TOP PLATE
16X BOTTOM PLATE

4X Ø12.0 P.F. THRU
2X TOP PLATE
2X BOTTOM PLATE

4X UNIT HAS 18X1 TAP THRU FOR 18mm PROX AND CROSS
DRILLED WITH Ø20mm THRU FOR STANDARD Ø3/4" LOCKOUT PIN.
UNIT CAN BE FIELD ROTATED TO ANY USER POSITION.

2X M10 SHCS @ LOCATION "C" SHOULD BE
LEFT CLEAR IF SHIMMING IN THE
RETRACTED POSITION IS REQ'D.

DO NOT SCALE DRAWING

ENGINERED PRODUCTS
(800) 229-0890 www.welkerproducts.com
GENERAL DIMENSIONS
CLM50

4X Ø16.0 P.F. THRU
2X TOP PLATE
2X BOTTOM PLATE

8X M16x2 TAP THRU
4X TOP PLATE
4X BOTTOM PLATE

2X Ø16.0 S.F. THRU

125.00 [4.921]
110.00 [4.331]
100.00 [3.937]
0.00 [0.000]
100.00 [3.937]
110.00 [4.331]
125.00 [4.921]

4X Ø16.5 DRILL THRU

2X M10 SHCS @ LOCATION "C" SHOULD BE LEFT CLEAR IF SHIMMING IN THE RETRACTED POSITION IS REQ'D.

4X UNIT HAS 18X1 TAP THRU FOR 18mm PROX AND CROSS DRILLED WITH Ø20mm THRU FOR STANDARD Ø3/4" LOCKOUT PIN. UNIT CAN BE FIELD ROTATED TO ANY USER POSITION.

332.5 [13.09] + STROKE
230.0 [9.06] + STROKE

16X M16x2 TAP Φ25.0
8X NEAR SIDE
8X FARSIDE
32X M12x1.75 TAP Φ20.0 FARSIDE

2X M10 SHCS @ LOCATION "C" SHOULD BE LEFT CLEAR IF SHIMMING IN THE RETRACTED POSITION IS REQ'D.