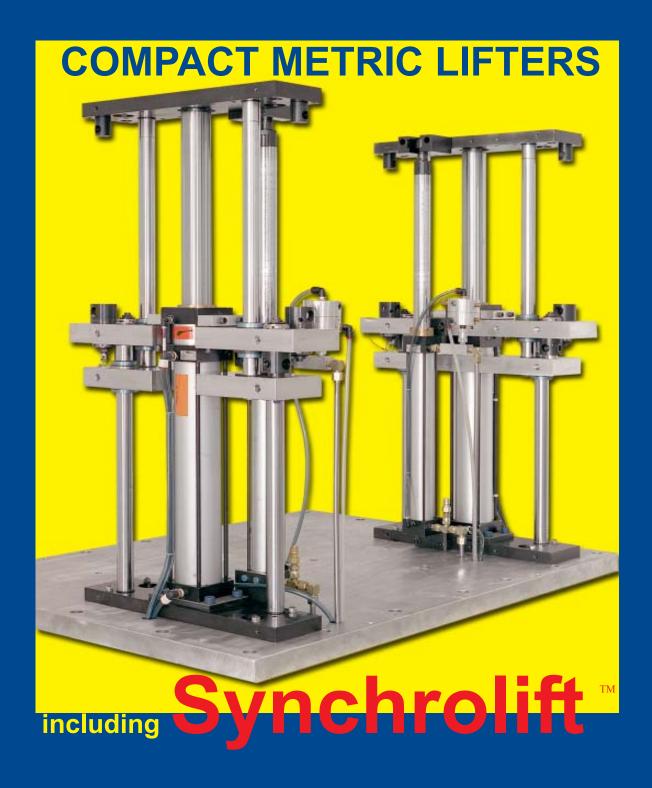
QS-9000 TE CERTIFIED



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SAFETY FEATURES

- Welker Locking cylinder stops load in mid-stroke in both directions upon air loss.
- Spiral retaining ring construction won't come apart if fasteners loosen.
- Manual lockouts standard
- 18mm Prox bosses and targets standard.
- Welker MRP Spring Extend Lock-out Pin can be added.

DESIGN FEATURES

- Compact closed height (no protruding shafts).
- Strokes up to 40" / 1000mm.
- Slim footprint
- · Mounting from base or side.
- 4",6",8" bore cylinders available with appropriate shaft sizes (English and Metric)
- Extremely rigid in extended position = High repeatability.
- · Symmetrically reversible.
- · Can lift overhung loads.
- Synchrolift synchronizes remotely mounted units.

U.S. Patent Numbers 5,690,315 - 6,408,736 - 6,408,740

MAINTENANCE

- Lube free cylinder.
- Lube free bearings and seals.
- Easy bearing replacement.
- Shafts can be individually removed.
- One side open for easy cylinder replacement.

DURABILITY

- Bearing spread in two directions.
- Hard chromed shafts standard.
- Lubrication free linear bearings with integrated seals.
- · Floating cylinder rod coupling.
- · Dual shocks in both directions.
- Dual hard stops in both directions.

DOWNLOAD PRINTS @
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SYNCHROLIFTTM

Lifters may be covered under one or more of the following or other patents: U.S. Patent No. 5,690,315 U.S. Patent No. 6,408,736 or U.S. Patent No. 6,408,740

Part Number: SLM-40 -STROKE-CYLINDER OPTION

Examples: SLM-40-300-WEL1

(300mm Stroke, NON-LOCK)

SLM-40-500-WEL4 (500mm Stroke, LOCK)

SLM-40-275-800-WEL8 (275mm Midpoint - 800mm Total Stroke, NON-LOCK, 3 POS.)



Lifts in tandem within 5mm tolerance Patented "Synchro Cylinder" Presently synchronized up to 4 lifters Connection leaves center of tool open



SSL 40 SHORT STROKE METRIC LIFTER See Page 6 for print & specifications

METRIC LIFTER



Part Number: CLM-40 -STROKE-CYLINDER OPTION

Examples:

CLM-40-300-WEL1 (300mm Stroke, NON-LOCK)

CLM-40-500-WEL4 (500mm Stroke, LOCK)

CLM-40-275-800-WEL8 (275mm Midpoint - 800mm Total Stroke, NON-LOCK, 3 POS.)

METRIC LIFTER PART SPECIFICATIONS

PART NUMBER	CLM 40 Nonlock *	CLM 40 Lock	CLM 50 Nonlock	CLM 50 Lock	CLM 50 Lrg. Bore-NL*
Stroke Increment	5mm	5mm	5mm	5mm	5mm
Maximum Stroke	1000mm	1000mm	1000mm	1000mm	1000mm
Extend Capacity	375	375	850	850	1510
Retract Capacity	330	330	805	805	1465
Recommended Max.					
Overhung Load	150 lbf-ft.	150 lbf-ft.	300 lbf-ft.	300 lbf-ft.	300 lbf-ft.
Recommended Max.					
CG Offset	36"	36"	36"	36"	36"
Cylinder Options	See Cylinder C	hart			
Weight	215 lbs.	230 lbs.	450 lbs.	475 lbs.	475 lbf.
l	+2.71 lbf./ 25mm stroke		+3.88 lbf./ 25mm stroke		
* Welker Cylinder					

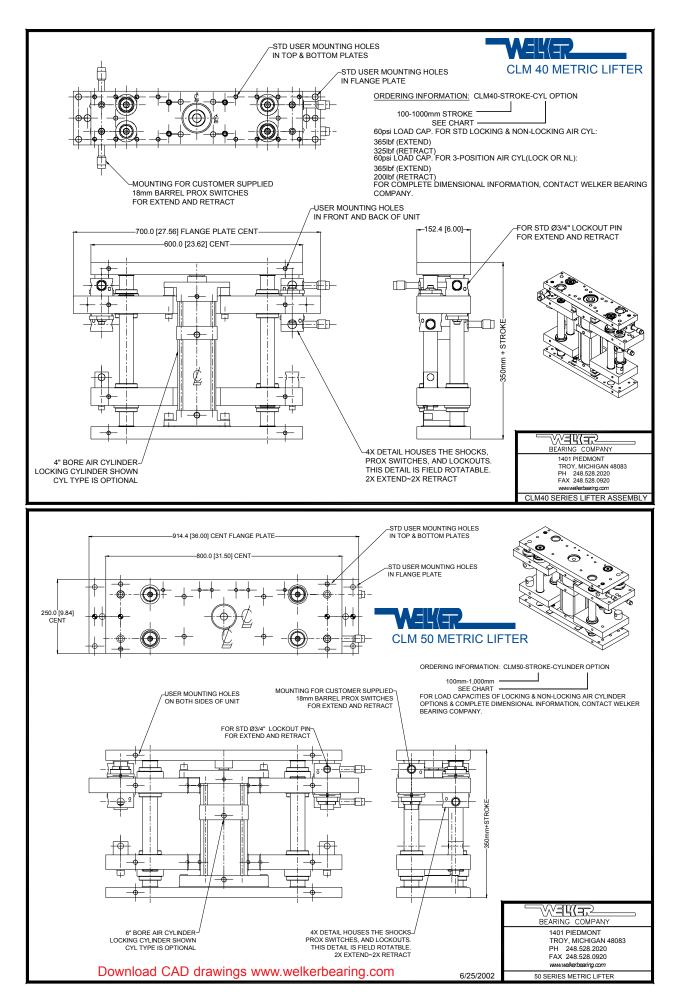


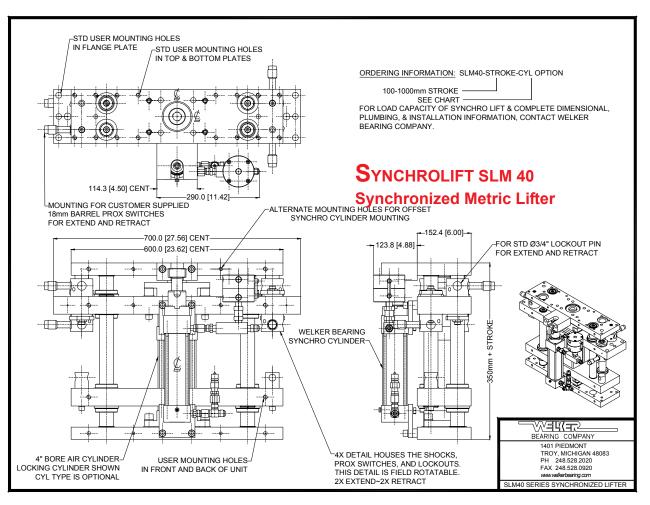
METRIC LIFTERS & SYNCHROLIFT

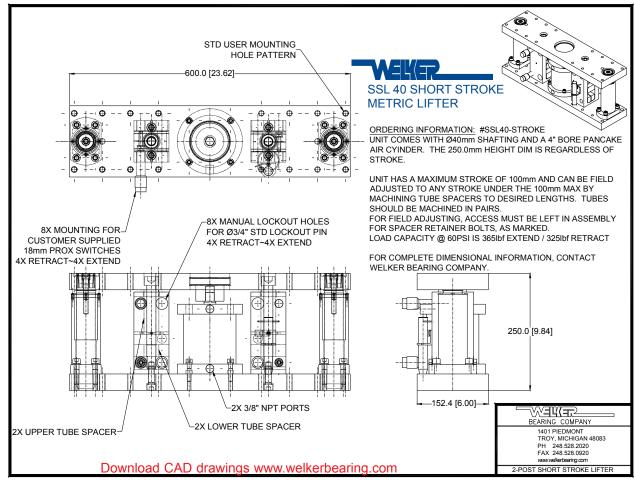
CYLINDER OPTIONS FOR ALL METRIC LIFTERS

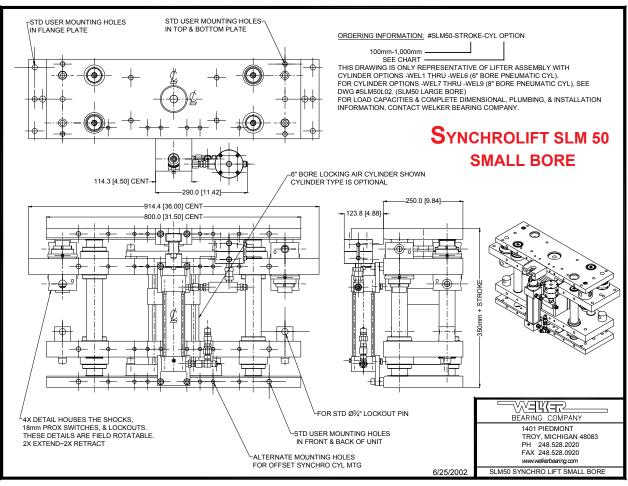
CYLINDER	CYLINDER TYPE	CYLINDER BORE	CYLINDER BRAKE	MAIN CYLINDER
OPTION			PORTS	PORTS
CLM 40 LIFTER	SLM 40 LIFTER			
-WEL 1	NON-LOCK	4"	N/A	1/2 NPT
-WEL 2	NON-LOCK	4"	N/A	#10 SAE
-WEL 3	NON-LOCK	4"	N/A	1/2 ISO-G
-WEL 4	LOCK	4"	1/4 NPT	1/2 NPT
-WEL 5	LOCK	4"	#4 SAE	#10 SAE
-WEL 6	LOCK	4"	1/4 ISO-G	1/2 ISO-G
-WEL 7	NL 3 POS.	4"	N/A	1/2 NPT
-WEL 8	NL 3 POS.	4"	N/A	#10 SAE
-WEL 9	NL 3 POS.	4"	N/A	1/2 ISO-G
-WEL 10	LOCK 3 POS.	4"	1/4 NPT	1/2 NPT
-WEL 11	LOCK 3 POS.	4"	#4 SAE	#10 SAE
-WEL 12	LOCK 3 POS.	4"	1/4 ISO-G	1/2 ISO-G
CLM 50 LIFTER	SLM 50 LIFTER			
-WEL 1	NON-LOCK	6"	N/A	3/4 NPT
-WEL 2	NON-LOCK	6"	N/A	#12 SAE
-WEL 3	NON-LOCK	6"	N/A	3/4 G
-WEL 4	LOCK	6"	1/4 NPT	3/4 NPT
-WEL 5	LOCK	6"	#4 SAE	#12 SAE
-WEL 6	LOCK	6"	1/4 G	3/4 G
-WEL 7	NON-LOCK	8"	N/A	3/4 NPT
-WEL 8	NON-LOCK	8"	N/A	#12 SAE
-WEL 9	NON-LOCK	8"	N/A	3/4 G

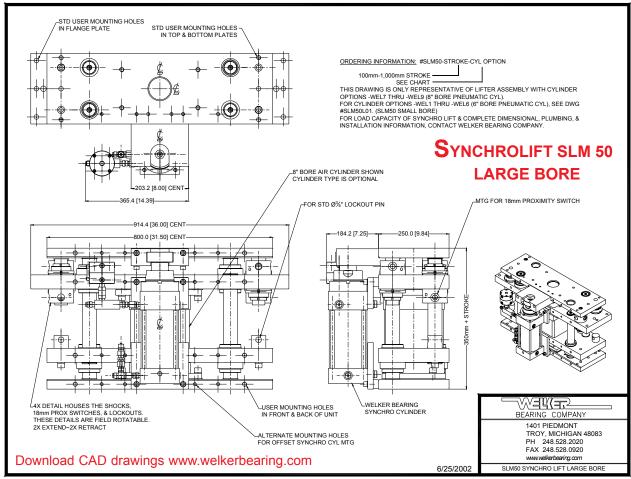
³ Position cylinder provides a hard & repeatable midpoint (Patent Pending)













WELKER PRODUCTS

- Lubrication Free Linear Slides & Gibs
- Lubrication Free Powered Slides
- Lubrication Free Shot Pin Packages
- Lubrication Free Lock-out Pin Packages
- Lubrication Free Gapless Locating Pin Clamp Packages
- Rulon® Filled PTFE Bearings
- Laminate Composite Bearings
- Welker Friction Rollers
- Cast Bronze Bearings
- Simplicity™ Bearing Systems
- High Performance Plastic Bearings

Call your Welker representative for specific application information. (800) 229-0890

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