



HALRON

LUBRICANTS Inc.

Our Tanks to You™

Commercial & Industrial Lubricants

Automotive • Marine • Railroad • Aviation

Equipment - Sales & Service

Vehicle Lifts • Pumps • Reels • Meters • & More...

Environmental Service

Used: oil, oil filter, antifreeze, and absorbant collection

HALRON

EQUIPMENT



HALRON
LUBRICANTS Inc.

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GREEN BAY
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Green Bay, WI 54304
800-236-5845

WISCONSIN RAPIDS
611 25th Ave. North
Wisconsin Rapids, WI 54495
800-842-5766

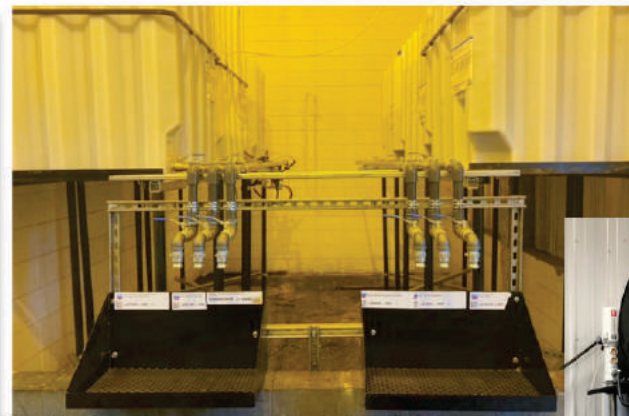
MADISON
4707 Pflaum Road
Madison, WI 53718
800-634-9937

MILWAUKEE
5933 N 55th Street
Milwaukee, WI 53218
800-634-9937

SPARTA, WI
1111 River Road
Sparta, WI 54656
800-634-9937



ATS ELECTRO-LUBE
INTERNATIONAL INCORPORATED



Your Trusted Partner



HALRON

LUBRICANTS Inc.

Our Tanks to You™



Halron Lubricants Annual Hoist Inspection Program

Flat Rate price per lift

Travel Time Rate *(additional rates apply if beyond 30 miles round trip)*

Mileage Rate *(additional rates apply if beyond 30 miles round trip)*

Program Information:

Halron will inspect each hoist for wear, damage, and safety concerns per Rotary and ALI specifications. Each hoist will receive a separate evaluation form documenting any concerns as well as an itemized estimate to repair. A CD copy of all inspection reports along with a paper copy of each will be provided to the customer upon completion.

- * Lifts must be empty during the inspection
- * Cable adjustments if needed will be completed at the time of the inspection.
- * All approved repairs from the estimates will receive a 10% discount.
- * Electronic Copies will also be kept by Halron as a service to the customer.
- * Halron will automatically schedule future Inspections with the customer.

Note: Halron Lubricants Inc. will not be liable for any failures or additional issues that arise with the hoist or hoists once the inspection has been completed. It is the sole responsibility of the customer to address any safety issues or repairs needed from the inspection reports and estimates.

Any hoists deemed unsafe will be noted on the report and brought to the customers attention. Again it is the responsibility of the customer to tag that hoist out of service if deemed necessary.

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SPOA10 Series ASYMMETRIC LIFTS

ENGINEERED FOR CARS and LIGHT TRUCKS **10,000 lbs. CAPACITIES**

Rotary's versatile asymmetric two-post lift is the only lift you'll ever need.

With options at every turn, you can customize the SPOA10 series to fit the needs of your shop and your techs.

Choose your:

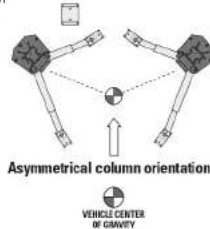
- Arm configuration
- Adapter type
- Lift height
- Power option
- Productivity accessories

Lifts feature:

- Original "Double S" column design
- Performance tested to 20,000 cycles
- Nationwide support
- ALI Gold Certified

True Asymmetrical Lifts

Columns are rotated 30° allowing maximum door opening on passenger cars for improved access to vehicle interior. This column rotation places the approximate center of gravity of the vehicle in line with the optimum load capability of the column, reducing unnecessary wear and tear on the column, carriage, and bearings.



ASYMMETRIC LIFT SPECIFICATIONS

*WITH SHOCKWAVE

Overall Height: 11' 8-1/2" / 12' 4-1/2"

Overall Width: 11' 5-3/8"

Drive-thru: 95 1/4"

Inside Columns: 107 1/4"

Min. Bay Size: 12' x 24'

Ceiling Height Min: 12' / 12' 6"

Motor / Voltage 10: 2 HP, 208-230V / 5 HP, 110V*

Time of Full Rise and Descent: 45 seconds / 40 seconds
25 seconds / 19 seconds*

*Actual rise and descent times vary depending on vehicle weight.



MODEL SHOWN:
SPOA10N700BL



MODEL SHOWN:
SPOA10N800BL



MODEL SHOWN:
SPOA10N8G0RD

SPOA10

Standard 2-stage arms with exclusive three-position flip-up FA adapters

Flip-up adapters feature great strength in a simple design. The entire assembly is joined with a single pin providing stable support in any position.



Select product photography is shown with optional accessories that are not standard with each lift purchase.

SPOA10 TRIO™

Includes TRIO™ 2-piece, three-stage arms with the choice of two adapter options / models

Patented two-piece, three-stage TRIO™ asymmetrical arms have a lower profile making spotting a vehicle fast and easy with better vehicle protection. The arms are lower than the poly-covered adapters providing clearance for vehicle panels and ground effects. Choose the best adapter set for each vehicle to be repaired all on the same arm.*



SPOA10-FA-TRIO



SPOA10-TA-TRIO



SPOA10-RA-TRIO

* EACH ADDITIONAL ADAPTER SET IS SOLD SEPARATELY

SPOA10-TRIO™ SW

SHOCKWAVE-EQUIPPED POWER

Includes TRIO™ 2-piece, three-stage arms plus exclusive DC SHOCKWAVE™ power with onboard 110v charger

SUPERCHARGE 2-POST LIFTS WITH SHOCKWAVE™



Dramatically accelerate productivity with Shockwave™. Rotary's exclusive Shockwave™ technology produces cycle times that are twice as fast as standard lifts. And with its Spotline™ laser that shoots down the hood and dash, centering and spotting a vehicle couldn't be easier. Shockwave's patent pending DC power system gives you lower cost and more reliable operation while using two standard Group 24 batteries.† Shockwave's built in battery charger uses 110v power, eliminating the need for expensive 220v wiring resulting in an installation savings of 80% or more. And, if your shop loses power, SHOCKWAVE-equipped lifts keep working.

Available on select 7,000 to 20,000 lbs. capacity lifts.

SCAN THIS VIDEO CODE TO LEARN ABOUT THE BENEFITS OF ROTARY SHOCKWAVE LIFTS



† Batteries are not included

	ASYMMETRIC LIFT MODELS BL = Blue / RD = Red	CONVENTIONAL 2-STAGE ARMS Flip Up Adapters (FA)	THREE-STAGE TRIO ARMS Flip Up Adapters (FA)	THREE-STAGE TRIO ARMS Truck Adapters (TA)	THREE-STAGE TRIO ARMS Round Adapters (RA)
STANDARD	SPOA10N700BL SPOA10N700RD	SPOA10N800BL SPOA10N800RD	SPOA10N8T0BL SPOA10N8T0RD	SPOA10N8G0BL SPOA10N8G0RD	
SHOCKWAVE EQUIPPED	SPOA10U705BL SPOA10U705RD	SPOA10U805BL SPOA10U805RD	SPOA10U8T5BL SPOA10U8T5RD	SPOA10U8G5BL SPOA10U8G5RD	
Rise*	STANDARD 72 3/4" - 78 3/8"	72 3/4" - 78 3/8"	72 3/4" - 78 3/8"	72 1/8" - 73 3/8"	72 1/16" - 73 5/16"
	SHOCKWAVE 75 3/4" - 81 3/8"	75 3/4" - 81 3/8"	75 3/4" - 81 3/8"	75 1/8" - 76 3/8"	75 1/16" - 76 5/16"
Front Arm Min/Max	20 1/2" - 40 3/4"	21 1/4" / 43 1/2"	20 1/2" / 40 3/4"	20 1/2" / 40 3/4"	20 1/2" / 40 3/4"
Rear Arm Min/Max	40 1/4" - 60 7/8"	32 3/4" / 61"	34 1/2" / 58 1/4"	34 1/2" / 58 1/4"	34 1/2" / 58 1/4"
Min Adapter Height	4 3/4"	4 3/4"	4 1/8"	4 1/8"	4 1/16"

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke. Heights and widths reflect standard settings. SPOA10 lift colors come standard with your choice of red or blue.

Rotary SPO10 Series SYMMETRIC LIFTS

ENGINEERED FOR CARS and LIGHT TRUCKS 10,000 lbs. CAPACITIES

Trust the industry standard symmetrical two post lift.

For over 30 years, Rotary Lift has built quality into every two-post we've designed. With industry-leading features, the SPO10 delivers everything your shop needs.

Choose your:

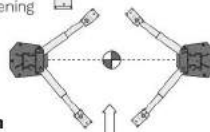
- Arm configuration
- Adapter type
- Lift height
- Power option
- Productivity accessories

Lifts feature:

- Original "Double S" column design
- Performance tested to 20,000 cycles
- Nationwide support
- ALI Gold Certified

True Symmetrical Lifts

Lift columns are not rotated providing more width between columns to accommodate larger vehicles and improve vehicle access - allows max door opening on trucks and vans for access to vehicle interior.



Vehicle load is centered between the columns to maximize lifting capacity

SYMMETRIC LIFT SPECIFICATIONS *WITH SHOCKWAVE

Overall Height: 11' 8-1/2" / 12' 4-1/2"

Overall Width: 11' 5-5/8"

Drive-thru: 10' 1/2"

Inside Columns: 11' 3/4"

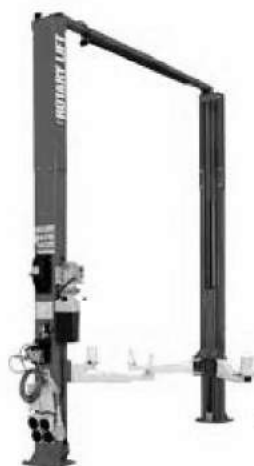
Min. Bay Size: 12' x 24'

Ceiling Height Min: 12' / 12' 6"

Motor / Voltage 10: 2 HP, 208-230V / 5 HP, 110V*

Time of Full Rise and Descent: 15 seconds / 10 seconds
25 seconds / 19 seconds*

* Actual rise and descent times vary depending on vehicle weight.



MODEL SHOWN:
SPO10N700BL



MODEL SHOWN:
SPO10U705RD



MODEL SHOWN:
SPO10N800BL

SPO10

Standard 2-stage arms with exclusive three-position flip-up FA adapters

Flip-up adapters

feature great strength in a simple design. The entire assembly is joined with a single pin providing stable support in any position.



Select product photography is shown with optional accessories that are not standard with each lift purchase.

SPO10-SW

SHOCKWAVE-EQUIPPED POWER Includes 2-stage conventional arms plus exclusive DC SHOCKWAVE™ power with onboard 110v charger

Two times faster than any other standard service lift. Achieve your goals of greater technician productivity and higher profits. Designed specifically for bays where service speed is essential.



SPO10 TRIO™

Includes TRIO™ 2-piece, three-stage arms with exclusive FA three-position adapters



SPO10 RA

3-stage conventional arms with thread-up padded RA adapters. Optional SHOCKWAVE™ power available.

RA adapters

are round padded polymer adapters that thread-up for additional positioning.



SPO10 TA

3-stage conventional arms with thread-up padded TA adapters. Optional SHOCKWAVE™ power available.

TA adapters

are frame-engaging padded polymer adapters that thread-up for additional adapter reach.



SYMMETRIC LIFT MODELS
BL = Blue / RD = Red

CONVENTIONAL 2-STAGE ARMS
Flip Up Adapters (FA)

THREE-STAGE TRIO ARMS
Flip Up Adapters (FA)

CONVENTIONAL 3-STAGE ARMS
Truck Adapters (TA)

CONVENTIONAL 3-STAGE ARMS
Round Adapters (RA)

	STANDARD	SPO10N700BL SPO10N700RD	SPO10N800BL SPO10N800RD	SPO10N5T0BL SPO10N5T0RD	SPO10N5G0BL SPO10N5G0RD
SHOCKWAVE EQUIPPED		SPO10U705BL SPO10U705RD	SPO10U805BL SPO10U805RD	SPO10U5T5BL SPO10U5T5RD	SPO10U5G5BL SPO10U5G5RD
Rise*	STANDARD SHOCKWAVE	72 5/8" - 78 1/8" 75 5/8" - 81 1/8"	72 3/4" to 78 1/4" 75 3/4" to 81 1/4"	72 11/16" to 75 3/16" 75 11/16" to 78 3/16"	72 1/2" to 74 3/4" 75 1/2" to 77 3/4"
Front Arm Min/Max		31" - 54"	30 1/2" - 54 7/8"	27 1/2" / 59"	27 1/2" / 59"
Rear Arm Min/Max		31" - 54"	30 1/2" - 54 7/8"	27 1/2" / 59"	27 1/2" / 59"
Min Adapter Height		4 5/8"	4 3/4"	4 11/16"	4 1/2"

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke. Heights and widths reflect standard settings.

** Actual rise and descent times vary depending on vehicle weight. SPO10 lift colors come standard with your choice of red or blue.



7,000 lbs. Capacity Lift Series

SPECIALTY LIFTS ENGINEERED FOR PRODUCTIVITY AND SAFETY



MODEL SHOWN:
SPOA7N6X0BL

SPOA7-MP

Quick service pad lift - low profile, drive-over adjustable pads spot vehicles quickly and accurately. Perfect for a quick-lube bay.

- 7,000 lbs. capacity
- 4 adjustable lift height options
- Available with SHOCKWAVE™ power
- Original "Double S" column design
- ALI Gold Certified

Improve vehicle reach with adjustable drive-over pads with hinged approach ramps



Rubber spacer blocks provide clearance

Four (4) each 1.5" and 3" blocks included



SPOA7-MP MODELS

BL = Blue / RD = Red

ADJUSTABLE
PAD LIFT
Movable Pads (MP)

STANDARD	SPOA7N6X0BL SPOA7N6X0RD
SHOCKWAVE EQUIPPED	SPOA7U6X5BL SPOA7U6X5RD
Rise*	STANDARD 70 5/8" to 73 5/8" SHOCKWAVE 73 5/8" to 76 5/8"
Overall Height	11' 8 1/2"
Overall Width	11' 5 3/8"
Drive-thru	78 1/8"
Inside Columns	107 1/4"
Pad Length Overall Retracted / Extended	71 1/8" to 87 1/4"
Min/Max Inside Distance Between Pads	39 7/8" - 56"
Min Pad Height	2 5/8"
Min Bay Size	12' X 24'
Ceiling Height Min With SHOCKWAVE	12' 12' 6"
Motor / Voltage With SHOCKWAVE	2 HP, 208-230V 5 HP / 110V
Time of Rise / Descent With SHOCKWAVE**	45 / 40 seconds 25 / 19 seconds

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke

** Times vary depending on vehicle weight
Heights and widths reflect standard settings



MODEL SHOWN:
SPOA7N5L0BL

SPOA7-LPA

Asymmetric lift with slimmer, ultra-low profile 2-stage arms. Arms are designed with a wider stance for greater clearance to lift low profile vehicles.

- 7,000 lbs. capacity
- Round, thread-up RA adapters
- 4 adjustable lift height options
- Available with SHOCKWAVE™ power
- Original "Double S" column design
- Multi-position wheel spotting dish
- ALI Gold Certified



The minimum arm reach, overall arm sweep and shorter arm gusset allows precise spotting to lift compact profile vehicles.



SPOA7-LPA MODELS

BL = Blue / RD = Red

LOW PROFILE
2-STAGE ARMS
Round Adapters (RA)

STANDARD	SPOA7N5L0BL SPOA7N5L0RD
SHOCKWAVE EQUIPPED	SPOA7U6L5BL SPOA7U6L5RD
Rise*	STANDARD 71 3/8" to 73 5/8" SHOCKWAVE 74 3/8" to 76 5/8"
Overall Height	11' 8 1/2"
Overall Width With SHOCKWAVE	12' 4-1/2"
Overall Width	11' 5 3/8"
Drive-thru	95 1/4"
Inside Columns	107 1/4"
Front Arm Min/Max	23 1/4" / 33 1/2"
Rear Arm Min/Max	33 1/2" / 54 3/4"
Min Adapter Height	3 3/8"
Min Bay Size	12' X 24'
Ceiling Height Min With SHOCKWAVE	12' 12' 6"
Motor / Voltage With SHOCKWAVE	2 HP, 208-230V 5 HP / 110V
Time of Rise / Descent With SHOCKWAVE**	45 / 40 seconds 25 / 19 seconds

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke

** Times vary depending on vehicle weight
Heights and widths reflect standard settings



ATO77

Space-saving asymmetric lift designed for maximum drive-thru clearance with minimal footprint. Over 14" narrower than standard two post lift - fits in a 11' wide bay. Power unit mounts on either side of lift - enter vehicles from either front or back of lift.

- 7,000 lbs. capacity
- 3-stage front arms / 2-stage rear arms with thread-up RA adapters
- Four (4) each adapter extensions at 3 1/2" and 5 1/8"
- Multi-position wheel spotting dish



ATO77

Lift available in blue only

3-STAGE
FRONT ARMS
2-STAGE
REAR ARMS
Round Adapters (RA)

STANDARD	ATO77N000MBL
Rise*	71 3/4" - 74"
Overall Height	11' 8 1/8"
Overall Width	10' 2 7/8"
Drive-thru	92 1/8"
Inside Columns	100 5/8"
Front Arm Min/Max	211/8" / 43 1/2"
Rear Arm Min/Max	32" / 58 1/8"
Min Adapter Height	3 3/4"
Min Bay Size	11' X 24'
Ceiling Height Min	12'
Motor / Voltage	2 HP, 208-230V
Time of Rise Time of Descent	45 seconds 40 seconds

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke

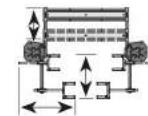


MODEL SHOWN:
TLO7N560BL

TLO7

Symmetrical turf maintenance lift. Service three and four wheel turf equipment and golf carts. Drive-over ramps and side rails provide the width and support of wide equipment. Can be converted to lift passenger cars and light trucks with optional arm kits.

- 7,000 lbs. capacity
- 3 adjustable lift height options
- Accommodates a 30" wheelbase
- Versatile small wheel attachment
- Wheel engaging - chocks wheels automatically
- Provides easy access to reels and hydraulic systems



TLO7

BL = Blue / RD = Red

Adjustable
Ramps
and Rails

STANDARD	TLO7N560BL TLO7N560RD
Rise*	68 3/8"
Overall Height	11' 8 1/2"
Overall Width	11' 5 5/8"
Drive-thru	91"
Inside Columns	114 1/2"
Min/Max Wheelbase	30" / 88"
Tire Fork Length	13"
Min Width Inside Tires	20 1/2"
Extended Width	13' 9"
Min Bay Size	12' X 24'
Ceiling Height Min	12'
Motor / Voltage	2 HP, 208-230V
Time of Rise Time of Descent	45 seconds 40 seconds

* Rise measures the highest position of the arm rail from floor to full cylinder stroke.
Heights and widths reflect standard settings.

Rotary SPO12 Series SYMMETRIC LIFTS

ENGINEERED FOR MEDIUM DUTY LIFTING 12,000 lbs. CAPACITIES

The SPO12 Series lifts: you can't find a better designed and better engineered medium-duty lift.

Its size, wider drive-thru and larger footprint make it optimal for shops that work on taller, heavier vehicles. And that's why it's chosen by more dealers and independent repair shops than any other lift in its category.

Choose your:

- Lift height and width
- Power option
- Productivity accessories



SPO12-TA

Symmetric lift with TA truck adapters and 3-stage arms for greater vehicle reach.



SPO12-SW

SHOCKWAVE-EQUIPPED POWER
Includes SHOCKWAVE™ DC power with onboard 110v charger providing 2X the lifting speed of conventional lifts.

Standard with three-stage arms and polymer Truck Adapters primarily used on framed vehicles.

Adjustable adapters thread-up and come with stackable inserts and storage rack. No metal to metal contact.



LIFT FEATURES

- Three-stage arms for greater reach
- Original "Double S" column design
- Performance tested to 20,000 lift cycles
- Nationwide support
- ALI Gold Certified

SPO12WIDE

Wider stance designed to provide an additional 17" of drive-thru width for larger trucks and vans.

Wide lift design provides the versatility for greater under vehicle access and less obstruction for service to battery electric vehicles.

SPO12-LC LOW CEILING DESIGN

Shorter overhead height designed for shops with lower ceiling bays.

- 11' 8" overall height
- 11' 9" minimum required ceiling height

Product photography is shown with optional accessories that are not standard with each lift purchase.

Standard SPO12 and SPO12-SW lifts are available in 4 adjustable lift height options / models

ADD UP TO 3' OF ADDITIONAL HEIGHT FOR EURO-STYLE CARGO VANS



Model shown: SPO12U7T5BL
SHOCKWAVE-powered lift with optional accessories and additional equipment

SYMMETRIC LIFT MODELS

BL = Blue / RD = Red



CONVENTIONAL 3-STAGE ARMS Truck Adapters (TA)



CONVENTIONAL 3-STAGE ARMS Truck Adapters (TA)



CONVENTIONAL 3-STAGE ARMS Truck Adapters (TA)

	STANDARD POWER	STANDARD MODEL SPO12N7T5BL SPO12N7T5RD	LOW CEILING MODEL SPO12N7TLBL SPO12N7TLRD	WIDE MODEL SPO12N7W6BL SPO12N7W6RD
	SHOCKWAVE EQUIPPED	SPO12U7T5BL SPO12U7T5RD	N/A	N/A
Rise*	STANDARD SHOCKWAVE	75 3/4" - 78 1/8" 75 3/4" - 78 1/8"	75 3/4" - 78 1/8" N/A	75 3/4" - 78 1/8" N/A
Overall Height		13' 8"	11' 8"	13' 11-1/2"
Overall Width		11' 5-5/8"	11' 5-5/8"	12' 10-5/8"
Drive-thru		102 3/8"	102 3/8"	119 3/8"
Inside Columns		114 7/8"	114 7/8"	131 7/8"
Front Arm Min/Max		27 1/2" / 59"		
Rear Arm Min/Max		27 1/2" / 59"		
Min Adapter Height		4 3/4"		
Min Bay Size		12' x 26'	12' x 26'	14' x 26'
Ceiling Height Min		13' 9"	11' 9"	14' 1/2"
Motor / Voltage 1Ø		2 HP, 208-230V / 5 HP - 110V with SHOCKWAVE		
Time of Full Rise		60 seconds / 25 seconds with SHOCKWAVE		

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke.

** Actual rise and descent times vary depending on vehicle weight. Heights and widths reflect standard settings. SPO12 lift colors come standard with your choice of red or blue.

Rotary SPO16/20 Series SYMMETRIC LIFTS

SUPER DUTY LIFTS WITH TRIO ARMS **16/20,000 lbs. CAPACITIES**

Pick up class 1 through class 5 vehicles with Rotary versatility.†

Super duty symmetric lifts with industry-leading versatility; pick up a greater variety of vehicles faster and easier than any lift of it's kind.†

Combine high capacity lifting, a low-profile stance, wider installation options and expanded arm reach possibilities and pick up a broad range of vehicles by choosing:

- Lift height and width
- Power options



WATCH AND LEARN ABOUT SPO20 LIFTS

Adjustable, thread-up adapters for easy vehicle contact

Standard with set of four (4) clip-on rubber pads for passenger cars and 10" (2 each) and 5" (4 each) stackable adapter extensions.



Optional round rubber adapters available.

Adjustable adapters designed for unibody vehicles.
LIFTING CAPACITY: 11,000 lbs.



LIFT FEATURES

- Patented three-stage TRIO™ arms with adjustable truck adapters
- Original "Double S" column
- Two height options
- Three width configurations
- 20 second lowering time
- ALI Gold Certified



MODEL SHOWN:
SPO16CTOBL



MODEL SHOWN:
SPO20UOTORD

SPO16-LC / 20-LC

LOW CEILING MODELS

Designed for shops with lower ceiling bays.

- Height range: 13' 6" to 14' 6"
- Available with SHOCKWAVE™ DC battery power

SPO16 CARGO

Standard 3-stage arm configuration designed to service longer van wheelbases and spot specific pickup points.

- 2 lift height options including low ceiling model

Minimum / Maximum arm reach:
36 13/16" to 74 13/16"



SPO16 / 20
Symmetric super-duty lift with 3-stage TRIO™ arms for greater vehicle reach.

SPO16-SW / 20-SW
SHOCKWAVE-EQUIPPED POWER
Includes SHOCKWAVE™ DC power providing 2X the lifting speed of conventional lifts.

SYMMETRIC LIFT MODELS

BL = Blue / RD = Red



THREE-STAGE TRIO ARMS
Thread Up Adapters



THREE-STAGE TRIO ARMS
Thread Up Adapters



CONVENTIONAL 3-STAGE ARMS
Thread Up Adapters



CONVENTIONAL 3-STAGE ARMS
Thread Up Adapters



THREE-STAGE TRIO ARMS
Thread Up Adapters



THREE-STAGE TRIO ARMS
Thread Up Adapters

STANDARD POWER	STANDARD MODEL SPO16N0T0BL SPO16N0T0RD	LOW CEILING MODEL SPO16N0TLBL SPO16N0TLRD	CARGO MODEL SPO16N0A0BL SPO16N0A0RD	CARGO LOW CEILING SPO16N0ALBL SPO16N0ALRD	STANDARD MODEL SPO20N0T0BL SPO20N0T0RD	LOW CEILING MODEL SPO20N0TLBL SPO20N0TLRD
SHOCKWAVE EQUIPPED	SPO16U0T0BL SPO16U0T0RD	SPO16U0TLBL SPO16U0TLRD	SPO16U0A0BL SPO16U0A0RD	SPO16U0ALBL SPO16U0ALRD	SPO20U0T0BL SPO20U0T0RD	SPO20U0TLBL SPO20U0TLRD
Lifting Capacity	16,000 lbs.	16,000 lbs.	16,000 lbs.	16,000 lbs.	20,000 lbs.	20,000 lbs.
Rise*	77 31/32" - 80 1/32"	77 31/32" - 80 1/32"	77 13/32" - 78 13/32"	77 13/32" - 78 13/32"	77 31/32" - 80 1/32"	77 31/32" - 80 1/32"
Overall Height	15' to 16' 6"	13' 6" to 14' 6"	15' to 16' 6"	13' 6" to 14' 6"	15' to 16' 6"	13' 6" to 14' 6"
Overall Width	NARROW: 12' 11" / STANDARD: 13' 5" / WIDE: 13' 11"					
Drive-thru	NARROW: 105 11/32" / STANDARD: 111 11/32" / WIDE: 117 11/32"					
Inside Columns	NARROW: 120 15/32" / STANDARD: 126 15/32" / WIDE: 132 15/32"					
Front Arm Min/Max	34 11/16" / 64"	34 11/16" / 64"	36 13/16" - 74 13/16"	36 13/16" - 74 13/16"	34 11/16" / 64"	34 11/16" / 64"
Rear Arm Min/Max	34 11/16" / 64"	34 11/16" / 64"	36 13/16" - 74 13/16"	36 13/16" - 74 13/16"	34 11/16" / 64"	34 11/16" / 64"
Min Adapter Height	5 31/32"	5 31/32"	5 13/32"	5 13/32"	5 31/32"	5 31/32"
Min Bay Size	15' x 30'					
Ceiling Height Min	15' 2" to 16' 8"	13' 8" to 14' 8"	15' 2" to 16' 8"	13' 8" to 14' 8"	15' 2" to 16' 8"	13' 8" to 14' 8"
Motor / Voltage 10	SPO16: 2 HP, 208-230V / SPO20: 4 HP, 208-230V / 5 HP - 110V with SHOCKWAVE					
Time of Full Rise**	81 seconds / 60 seconds at full capacity / 33 seconds at half capacity with SHOCKWAVE					

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke. ** Actual rise and descent times vary depending on vehicle weight.

SPO16 / 20 lift colors come standard with your choice of red or blue.

† NOTE Level bay floors provide the best underbody clearance needed to accommodate the broadest range of vehicles to spot and lift. Wide setting installations create the best tire clearance on shorter wheelbases. Vehicle axle weight MUST NOT EXCEED one half of total lift capacity. Maximum arm load is 1/4 of lift rated capacity. SPO16/20 lifts are designed for most class 4 and 5 vehicles. Some vehicles within each class may exceed arm capacity but not the lift capacity. Please consult vehicle axle information and lift manual for more information.

OPTIONAL 2-POST LIFT ACCESSORIES

FA Three-Position Flip-Up Adapter for 3-Stage TRIO™ Arms

KIT #T100274

For 10,000 lbs. capacity lifts. Allows for quick positioning on a variety of pick-up points.



RA Adapter for 3-Stage TRIO™ Arms

KIT #T100272 Set of four

(4) FJ6219 polymer pad round adapters, 10,000 lbs. capacity adapters thread-up to allow protection of the vehicle underbody for no metal to metal contact. Also available for use with stackable inserts.



RA Adapter for Conventional 3-Stage Arms

KIT #FJ6225 for 10,000 lbs. capacity lifts

Set of four (4) FJ6202 polymer pad round adapters.



TA Thread-Up Adapter for 3-Stage TRIO™ Arms

KIT #T100273 includes four

(4) T10564 adjustable truck adapters with rubber pads. Required use when lifting trucks and frame vehicles. Also available for use with stackable inserts. For 10,000 lbs. capacity lifts.



TA Thread-Up for Conventional 3-Stage Arms

KIT #FJ6197 includes (4) FJ6214 adapters

for 10,000 lbs. capacity lifts with standard arms.

Adapter Extensions

Adapter kit #T100271

Fits TRIO models SPOA10 RA / TA

Adapter kit #FJ7880BBK

Fits models SPO10 RA / TA and SPO12TA

Kits include four 3 1/2" and four 5" adapter extensions, mounting rack and hardware. Provides additional lifting height when vehicles require additional clearance or use on front or rear to level vehicle on lift.



Auxiliary Height Adapter Kits for FA Three-Position Flip-Up Adapters

Add 14 3/8" to 17 3/8" of additional overall adapter height. For use when raising certain vans or pickups.

Includes four adapters, mounting rack and hardware. 2,500 lbs. capacity per adapter.

#FJ6115BK

Adds 9 3/8" of height Includes (4) adapters

#FJ6195YL

Adds 12 3/8" of height Includes 2 adapters

#FJ6212KITYL

Shorter version Adds 7 3/8" of height Includes 4 adapters



Polymer Pad Adapter Kits for FA Adapters

Rubber contact surface protects undercoated surfaces. Includes four adapters, mounting rack and hardware. 2,500 lbs. capacity per adapter.

#FJ6138BK

Adds 1/2"

#FJ6190YL

Adds 1"

#FJ6139BK

Adds 2 1/2"



Specialty Adapters for GM Pickup Trucks



Extended Height Adapter for FA Adapters

#FJ6259KIT Flip Up Adapter Extensions

Adapter extensions for lifting 2019 Chevrolet Silverado and GMC Sierra 1500 trucks.

Four extensions for any lift with flip up adapters.

Kit includes (2) wide front adapters, (2) standard width rear adapters to keep the vehicle level.

- Maximum overall height: 9' 11/32"
- Capacity 2,500 lbs. per adapter

Drop-In Truck Adapter Kits for Standard and TRIO™ Arms

Adapter kits for lifting 2019 Chevrolet Silverado and GMC Sierra 1500 trucks.

- Maximum width: 7"
- Capacity 3,000 lbs. per adapter



#FJ6258KIT

Set of two for standard 2 or 3 stage arms.

These adapters are wider to fit the wider frame of the vehicle. You'll replace the front two adapters on the lift and continue to use the current truck adapters on the rear arm.

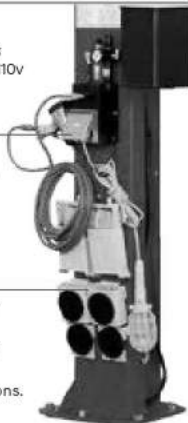
#FJ6257KIT

Set of two specifically designed for TRIO arms.

Air / Utility Box

Column mounted. Provides quick access to utilities. Includes two 110V electric outlets, air connection with filter/regulator/lubricator.

SHOWN: #FA5911BK



Adapters and Organizer Rack Kits

Accommodate more vehicles with more adapters plus keep them organized.

SHOWN: #FJ6100BK

Four FJ696, four FJ697 and four FJ698 adapters plus column or wall-mounted adapter organizer rack (FJ6108)

Available in different configurations. Consult factory for options.

Patented Tool Holder

Keeps air guns, torque sticks, and other tools within easy reach. Mounts into pre-drilled column holes.



#FA5919E

Wheel Wing™ Tire Arm

100 lbs. capacity Wheel Wing tire arm mounts on column arm and holds a tire at lift arm height. Folds away when not in use.

- Adjustable to fit various lift arms
- Includes set of 2 arms, 2 magnetic lug nut dishes, shims



#FA5974

MW-200 Tire Lift

Air operated tire and wheel lift. 200 lbs. capacity.

- Quick transfers to tire balancers with easy positioning of the tire and wheel
- Includes air hose and air tool connection



#MW-500

500 lbs. capacity model available

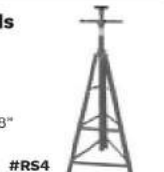
#MW-200

RS4 Adjustable Jack Stands 4,000 lbs. CAPACITY

Maximum height: 84"

Minimum height: 55 1/2"

Fine thread-up height: 1 5/8" to 7 1/8"



#RS4

SPOTLINE™ Laser Kit

Motion activated laser helps center vehicles in bays quickly and accurately. Laser guided system comes complete with motion sensor and mounting hardware.

#FA7815



TECH LIGHT™ Line Light 2

Attach the 2 ultra slim light wands to columns for effective, 2-post lighting where you need it. Supplied with 4 magnetic clips for easy positioning on columns.

Includes:

- (2) 96 LED lights with 25' of cable and 20W power supply
- 3' spiral cords - stretches to 16" for placement under vehicle
- Magnetic junction box
- Input voltage 100-240 V AC
- Each measures 34"

#FA5701



TECH LIGHT™ Line Light R

Rechargeable LED inspection hand lamp with top spot light. Supplied with flexible suspension clips holder with both hook and magnet for positioning the light where you need it.

Additional suspension solutions available as accessories.

- 180 lumen in main light operates for up to 3 hours
- 120 lumen in spot light operates for up to 6 hours
- 4 hour charging time

#FA5702



Lock Light™ Patent pending

Provides an instant green light visual confirmation when lift is lowered to its locks. Compatible with high-pressure lifts that use an electric/hydraulic power unit providing an unused pressure port is available.

Kit includes:

- Indicator light assembly
- Pressure switch
- Mounting bracket
- 10' of electrical wire



#FA834-KIT / 110V

#FA835-KIT / 220V

Extended Height Kits

Raise the overhead clearance on 10,000 and 12,000 lbs. capacity two-post lifts. Kits include column extensions and hardware.

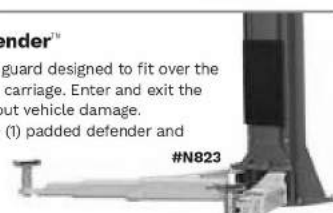
CONSULT FACTORY FOR OPTIONS



Door Defender™

Solid rubber guard designed to fit over the two-post lift carriage. Enter and exit the vehicle without vehicle damage. Includes one (1) padded defender and adhesive.

#N823



Column Base Plate Cover

Covers the base plates keeping mounting hardware hidden, safely enclosed and protected.

Fits standard SPOA10, SPOA9 and SPOA7 (200 series and above) lifts.



#N539

Two Post Lift Accessories



TWO POST LIFTS and Accessories



Extended Height GM Adapters



Extended Height Truck Adapters

1/2" Pad Adapter

1" Pad Adapter



2-1/2" Pad Adapter



T110564 TRIO ARMS



FJ6197 Thread-Up Frame Adapter



FJ6219 TRIO ARMS



FJ6225 Rubber Adapter for Unibody Vehicles



FJ7880BK
T100271 FOR TRIO ARMS
Stackable Adapter Extensions



Air/Electric Utility Box



Tool Holder



Door Defender Column Pad



TECH LIGHT 2 Post Light Kits



LOCK LIGHT Lift on Locks Indicator



WHEEL WING Adjustable Tire Arm 100# CAP.

AT07					Included	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPOA7							FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPOA10	FJ6133BK	FJ6115BK	FJ6138BK FJ6190YL FJ6139BK				FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPO10	FJ6133BK	FJ6115BK	FJ6138BK FJ6190YL FJ6139BK	FJ6197	FJ6225		FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPOA10-RA-TRIO				T110564	FJ6219	T100271	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPOA10-TA-TRIO				Included	FJ6219	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPO10-TA				Included	FJ6225	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPO10-RA				FJ6197	Included	FJ7880BK	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPO12-TA				Included	FJ6225	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPO15/SPO15-LC				Included		Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
SPO18/SPO18-LC				Included		Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974

Drive-On Lift Accessories

* Available in Red (RD) or Blue (BL) Order part number with color suffix



RUNWAY LIFTS and Accessories



6,000; 7,000; 9,000; 15,000 lb. Rolling Jacks



Oil Drain Pans



Drive-thru Ramps*



Bolt-on Alignment Kit*



Conversion Kits from SM18 to AR18*



Air/Electric Utility Box



Internal Airlines



Removeable Work Step



TECH LIGHT Runway Light Kits



LOCK LIGHT Lift on Locks Indicator

SM14/SMO14 - 100 Series	RJ7000Y	FC5967BK	S100151Y	S100129 - S S100130 - L S100131 - EL		FA915 Kit	FC5760-14	FC5663YL	FA5700	FA834 / 110V FA835 / 220V
AR14/ARO14 - 100 Series	(2) RJ7000Y Included	FC5967BK	S100151Y			FA915 Kit	Included	FC5663YL	FA5700	FA834 / 110V FA835 / 220V
SM18	RJ9000Y-1BK	FC5967BK	FC5825		S100126 - S S100128 - EL	FA915 Kit	FC5760-14	FC5663YL	FA5700	FA834 / 110V FA835 / 220V
SM30	RJ9000Y-2BK or RJ150BK	FC5968BK	FC5780-3	FC5396		FA2259BK			FA5700	FA834 / 110V FA835 / 220V
Y12	RJ6000Y	FC5967BK	Z100008				FC5760-14		FA5700	FA834 / 110V FA835 / 220V
YA12	(2) RJ6000Y Included	FC5967BK	Z100008				Included		FA5700	FA834 / 110V FA835 / 220V



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Madison, IN 47250, USA



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For additional world wide contact information and a complete guide to our product offering, visit us on the web at rotarylif.com.



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14,000 LBS. CAPACITY RUNWAY LIFTS

SM14

CLOSED FRONT DESIGN

14,000 lbs. Four Post Lift

Features three runway lengths



SHOWN:
SM14N100YBL

SHOCKWAVE LIFTS

SM14S-SW

SM14L-SW

SM14EL2-SW

CLOSED FRONT MODELS

SMO14

OPEN FRONT DESIGN

14,000 lbs. Four Post Lift

Features two runway lengths with an open front design for greater vehicle access



SHOWN:
SMO14101YBL

SHOCKWAVE LIFTS

SMO14L-SW

SMO14EL2-SW

OPEN FRONT MODELS

MODEL Lift Colors are Blue and Red	SM14 4 POST LIFT	SMO14 4 POST LIFT
STANDARD	SM14N100Y	SMO14N101Y
LONG	SM14N101Y	SMO14N102Y
EXTENDED	SM14N102Y	SMO14N102Y
SHOCKWAVE EQUIPPED	SM14U100Y SM14U101Y SM14U102Y	SMO14U101Y SMO14U102Y
Lift Capacity	14,000 lbs.	14,000 lbs.
Rise*	73 3/4ft* / 78 3/4ft	78 3/4ft
Width Overall	131 3/4ft	140 1/2ft
Length Overall	226ft / 250ft / 283ft	253ft / 286ft
Maximum Wheelbase	158ft / 182ft / 215ft	182ft / 215ft
Drive-Thru Width	116 1/4ft	116 1/4ft
Column Height	90ft	108 11/16ft
Width Between Runways	43ft to 46ft	43ft
Runway Width	20ft	20ft
Minimum Bay Size	15" x 23", 26" or 28"	15" x 26" or 28"
Motor / Voltage With SHOCKWAVE	2 HP / 208 - 230V 5 HP / 110V	2 HP / 208 - 230V 5 HP / 110V
Time of Full Rise With SHOCKWAVE**	65 seconds 35 seconds	65 seconds 35 seconds

*Rise measures floor to top of runways at full stroke. * STANDARD model rise measurement.

- Length and or width is 10 - 1/2ft longer with SHOCKWAVE unit mounted on column side or front.

**Actual times depend on vehicle weight.

Narrow bay SM14 models available. Consult factory for minimum bay size.



SHOWN:
X14N00100BL

X14

OPEN THROUGH

14,000 lbs. Scissor Lift

Open scissor design saves space and provides greater technician access with true vertical lifting

FEATURES:

- † 40ft Between Runways
- † Versatile 198ft Wheelbase Range
- † Intuitive Console Controls
- † Folding Ramps With Rear Chocks
- † 40ft Between Platforms for More Access
- † Recessed / Surface Mount Options
- † Alignment Model Available

MODEL Lift Colors are Blue and Red Power Unit Consoles are Gray	X14 SCISSOR LIFT
SURFACE MOUNT	X14N0010
Lift Capacity	14,000 lbs.
Rise*	72 3/4ft
Width Overall	91ft
Length Overall	277ft
Runway Length	216ft
Maximum Wheelbase	198ft
Lowered Height	10 3/4ft
Runway Width	25 1/2ft
Minimum Bay Size	14" x 27"
Motor / Voltage	5 HP / 230V
Time of Full Rise	77 seconds

*Rise measures floor to top of runway at full stroke.
Surface mounted measurement.

OPTIONAL LIFT ACCESSORIES

Contact the manufacturer for proper lift application

Air / Utility Box includes two 110v electric outlets, air connection with filter/regulator/lubricator

Ramp Kits for drive-thru capability and low-profile vehicles

Air Operated Tire and Wheel Lifts with air hose and air tool connection

SPOTLINE™ Laser Kit helps center vehicles in bays quickly and accurately

TECH LIGHT™ LED Runway Lighting Kit / Four light wands for effective lighting

TECH LIGHT™ Line Light R / LED inspection hand lamp with top spot light

Oil Drain Pans include splash guard, drain valve and dust cap

Lock Light™ provides green light visual confirmation when lift is lowered to its locks

Removable Work Steps for lifts with slots on sides of runways / SM14 lifts only



18,000 to 30,000 LBS. CAPACITY RUNWAY LIFTS



SHOWN:
SM18N000BL

SM18 HEAVY DUTY FOUR POST 18,000 lbs. Four Post Lift

FEATURES:

- † Two Runway Lengths
- † Single Point Air Lock Release
- † Dual Function Sentinel Lock• System
- † 3-Phase Power Available
- † Folding Ramps With Rear Chocks
- † Air / Filter / Lubricator
- † Optional Internal Airline Kit
- † Alignment Conversion Kits Available
- † Converts to a Drive-Thru Lift



RFL 25 HEAVY DUTY FOUR POST Drive-On Forklift Service Lift 25,000 lbs.

FEATURES:

- † Single Point Air Lock Release
- † Dual Locking System
- † 3-Phase Power Available
- † Folding Ramps With Rear Chocks
- † Air / Filter / Lubricator
- † Optional Internal Airline Kit



SHOWN:
SM30N010BL

SM30 HEAVY DUTY FOUR POST 30,000 lbs. Four Post Lift

FEATURES:

- † Three Runway Lengths
- † Single Point Air Lock Release
- † Dual Locking System
- † 3-Phase Power Available
- † Folding Ramps With Rear Chocks
- † Air / Filter / Lubricator
- † Internal Airline Kit
- † Alignment Conversion Kits Available
- † Converts to a Drive-Thru Lift

MODEL Lift Colors are Blue and Red

SM18 4 POST LIFT

STANDARD EXTENDED	SM18N000 SM18N001
Lift Capacity	18,000 lbs.
Rise*	68fl
Width Overall	11" 5 3/4fl
Length Overall	22" 11 2/16fl 25" 11 2/16fl
Max. Wheelbase	194fl / 230fl
Drive Thru Width	10" 1/8fl
Runway Width	22fl
Min Bay Size	16" x 27" or 30"
Motor / Voltage	2 HP / 208 - 230V
Time of Full Rise	65 seconds

*Rise measures floor to top of runway at full stroke.

MODEL Lift Colors are Blue and Red

RFL25 4 POST LIFT

STANDARD	RFL2500
Lift Capacity	25,000 lbs.
Rise*	68 3/4fl
Width Overall	12" 4 13/16fl
Length Overall	22" 5fl
Max. Wheelbase	163fl
Drive Thru Width	11"
Runway Width	24fl
Min Bay Size	16" x 26"
Motor / Voltage	4 HP / 208 - 230V
Time of Full Rise	95 seconds

*Rise measures floor to top of runway at full stroke.

MODEL Lift Colors are Blue and Red

SM30 4 POST LIFT

STANDARD LONG EXTENDED	SM30N010 SM30N011 SM30N012
Lift Capacity	30,000 lbs.
Rise*	68 3/4fl
Width Overall	12" 4 13/16fl
Length Overall	25" 9 1/2fl 28" 9 1/2fl 31" 9 1/2fl
Max. Wheelbase	235fl / 271fl / 307fl
Drive Thru Width	11"
Runway Width	24fl
Min Bay Size	16" x 27" or 30"
Motor / Voltage	4 HP / 208 - 230V
Time of Full Rise	95 seconds

*Rise measures floor to top of runway at full stroke.

OPTIONAL LIFT ACCESSORIES / Contact the manufacturer for proper lift application

Air / Utility Box includes two 110v electric outlets, air connection with filter/regulator/lubricator

Ramp Kits for drive-thru capability / SM18 and SM30 lifts

Air Operated Tire and Wheel Lifts with air hose and air tool connection

TECH LIGHT™ LED Runway Lighting Kit / Four light wands for effective runway lighting

Oil Drain Pans include splash guard, drain valve and dust cap

Removable Work Steps for lifts with slots on sides of runways

Alignment Conversion Kits transform your existing flat top runway lift into a fully functioning alignment lift



ALIGNMENT DRIVE-ON LIFT SERIES

ALIGNMENT-READY LIFTS ENGINEERED FOR CARS and COMMERCIAL VEHICLES

WHAT COMES STANDARD WITH EVERY ROTARY ALIGNMENT LIFT?

VERSATILITY: it's the standard to which Rotary lifts are built. Service a wide variety of vehicles with the right choice.

Rotary's alignment lifts are compatible with all available Rotary and most available wheel alignment systems giving your shop more flexible options for repairs and bay setup.

SUPERCHARGE ARO14 LIFTS WITH SHOCKWAVE™

Two times faster than standard service lifts! Designed specifically when service speed is essential, Shockwave-equipped lifts create greater technician productivity and higher profits.



SCAN AND WATCH SHOCKWAVE IN ACTION

Shockwave-equipped lifts include:

- Spotline™ laser-assisted spotting with motion sensor
- Patented 110v DC power system with built-in battery charger



ARO14 OPEN FRONT DESIGN

14,000 lbs. Four Post Lift

FEATURES:

- Two 7,000 lbs. Capacity Rolling Jacks
- Two Turning Radius Gauges
- Dual Function Sentinel Lock™ System
- Available with SHOCKWAVE™ power
- Internal Airlines
- Rear Slip Plates
- Air Filter / Regulator / Lubricator

XA14 OPEN THROUGH DESIGN

14,000 lbs. Scissor Lift

FEATURES:

- Space saving open design
- True Vertical Lifting
- Two 7,000 lbs. Rolling Jacks
- Two Turning Radius Gauges
- Air Actuated Rear Slip Plate Locks
- Recessed / Surface Mount Options

AR18 HEAVY DUTY FOUR POST

18,000 lbs. Four Post Lifts

FEATURES:

- Two 9,000 lbs. Rolling Jacks
- Two Turning Radius Gauges
- Dual Function Sentinel Lock™ System
- Adjustable alignment components
- Internal Airline Connections
- Air / Filter / Lubricator

MODEL
Lift Colors are Blue and Red

**ARO14
4 POST LIFT**

STANDARD	ARO14N101Y
EXTENDED	ARO14N102Y
SHOCKWAVE EQUIPPED	ARO14U101Y ARO14U102Y
Lift Capacity	14,000 lbs.
Rise*	78 3/4"
Width Overall †	140 1/2"
Length Overall †	253" / 286"
Max. Wheelbase	182" / 215"
Max. Two Wheel Align	176 1/4" / 209"
Max Four Wheel Align	164 3/4"
Min. Four Wheel Align	89"
Runway Width	20"
Min Bay Size	15' x 26" or 28'
Motor / Voltage With SHOCKWAVE	2 HP / 208 - 230V 5 HP / 110V
Time of Full Rise With SHOCKWAVE**	65 seconds 35 seconds

*Rise measures floor to top of runway at full stroke.

**Actual times depend on vehicle weight.

† Length and or width is 10 - 1/2" longer with SHOCKWAVE unit mounted on the side or front of column.

MODEL
Lift Colors are Blue and Red

**XA14
SCISSOR LIFT**

SURFACE MOUNT	XA14N0110
Lift Capacity	14,000 lbs.
Rise*	72 3/4"
Width Overall	91"
Length Overall	211"
Max. Wheelbase	138"
Max. Two Wheel Align	193"
Min. Four Wheel Align	85 1/2"
Runway Width	25 1/2"
Min Bay Size	14' x 27"
Motor / Voltage	5 HP / 230V
Time of Full Rise	77 seconds

*Rise measures floor to top of runway at full stroke.

OPTIONAL LIFT ACCESSORIES

Air / Utility Box mounts easily on any column post and provides two 110v electric outlets and air connection with filter/regulator/lubricator.

Ramp Kits allow for drive-thru capability / includes two ramps and hardware.

MW-200 / MW-500 Air Operated Tire and Wheel Lifts 200 lbs. and 500 lbs. capacities / includes air hose and air tool connection.

SPOTLINE™ Laser Kit Motion activated laser helps center vehicles in bays quickly and accurately.

MODEL
Lift Colors are Blue and Red

**AR18
4 POST LIFT**

STANDARD	AR18110
EXTENDED	AR18111
Lift Capacity	18,000 lbs.
Rise*	70"
Width Overall	137 11/16"
Length Overall	276 1/4" / 312 1/4"
Max. Wheelbase	194" / 230"
Max. Two Wheel Align	173 5/8" / 209 5/8"
Max Four Wheel Align	158"
Min. Four Wheel Align	88"
Runway Width	22"
Min Bay Size	13' x 27" or 30"
Motor / Voltage	2 HP / 208 - 230V
Time of Full Rise	65 seconds

*Rise measures floor to top of runway at full stroke.

TECH LIGHT™ LED Runway Lighting Kit

Attach four light wands to runways for effective, efficient lighting.

TECH LIGHT™ Line Light R

Rechargeable LED inspection hand lamp with top spot light.

Oil Drain Pans include splash guard, drain valve and dust cap.

Lock Light™ provides an instant green light visual confirmation when lift is lowered to its locks.

Removable Work Steps for 14K and 18K four-post lifts with slots on sides of runways.

ARO22

OPEN FRONT DESIGN

22,000 lbs. Four-Post Lifts

FEATURES:

- 9,000 lbs. capacity front jack
- 15,000 lbs. capacity rear jack
- Stainless steel radius gauges
- Intuitive single point controls
- Air locking rear slip plates
- LED lights integrated into platforms
- Patented articulating roller system – balances roller load for extended life
- Dual function Sentinel Lock™ System
- Internal airline
- Air / Filter / Lubricator
- ALI Gold Certified



SHOWN:
ARO22N000

OPTIONAL SMARTFILL™ INTEGRATED AIR INFLATION SYSTEM

Our SmartFILL™ system allows tires to be set to the desired psi while the technician performs other work. Dual tire filling enables separate pressure settings for front and rear axle tires.

MODEL
Lift Colors are Blue and Red

ARO22
4 POST LIFT

STANDARD EXTENDED	ARO22N000 ARO22N001
Lift Capacity	22,000 lbs.
Rise*	74"
Width Overall	158"
Length Overall	272 3/4" / 308 3/4"
Max. Wheelbase	194" / 230"
Max. Two Wheel Align	179" / 215"
Max Four Wheel Align	165"
Min. Four Wheel Align	82"
Runway Width	26"
Min Bay Size	16' x 26' cr 30'
Voltage	208 - 230V
Time of Full Rise	97 seconds

*Rise measures floor to top of runway at full stroke.



WHEEL ALIGNMENT SYSTEMS

NO TOWERS NEEDED WITH THESE PORTABLE CONSOLE SYSTEMS

Rotary's mobile TOWER-FREE alignment systems are easy-to-use, super accurate and do not require a dedicated bay. Rotary's equipment provides vehicle feedback faster and easier than any other comparable equipment thanks to our patented clamping systems, measuring heads and cameras.

Learn more about our wheel service equipment at rotarywheelservice.com.



R1090PRO | 3D ALIGN

HIGH PERFORMANCE SYSTEM

Exclusive solid vision technology. Bluetooth® transmission between the front measuring heads and the control unit maximizes workspace because of its lack of obstructions. Remote control located at each sensor with automatic positioning of the cameras and recognition of the sensors.

FEATURES:

- No run-out compensation
- No interruptions with transmission signals
- No limitations - can be used at any height
- Fixed cameras and exclusive 3D targets
- 10" Android tablet used as a remote indicator
- Self-centering three-point clamps
- Automatic lift level compensation

SCAN CODE FOR
R1090 VIDEO



R1070 | PRO CCD

TOTAL DRIVE AUTO and LIGHT TRUCK

Simply access programs by selecting 5 command keys that guide the alignment tech through the step by step measuring process. Mobile cabinet equipped with a powerful PC, an A4 printer and hangers for charging the wheel clamps. 8-CCD sensor wheel alignment system uses infrared transmission among measuring heads and Bluetooth® communication between the front head and the control unit. Quickly enter vehicle information by model or VIN number and begin the process via a 3D animated workflow.

FEATURES:

- Quick charge supports
- Safe print documentation
- 3D Graphic Animation Interface

SCAN CODE FOR
R1070 VIDEO



R1065 | MOBILE TABLET ALIGNER

HANDHELD TABLET CONNECTS VIA WIFI

Affordable tablet operated, tower-free and computer-free system provides the ultimate usage of shop space. Always have live readings while making adjustments anywhere in the bay. All the characteristic angles of both vehicle axles are controlled by means of four measuring heads with 8 CCD sensors and infra-red transmission. Open cabinet stores clamps and accessories. Pair of self-centering 4 point clamps, with removable claws are standard equipment.

FEATURES:

- Fast installation and set up
- Can be used in multiple bays
- Bluetooth® transmission
- Quick charge supports
- NEW front / rear measuring heads

SCAN CODE FOR
R1065 VIDEO



R5000HD | CTA PRO

SUITED FOR LARGER COMMERCIAL VEHICLES

The double inclinometer allows caster adjustment without steering. No run out clamps enable the user to skip out of any compensation procedures. This 6-CCD sensor wheel alignment system features infra-red transmission among measuring heads. Bluetooth® transmission between front measuring heads and control unit. Special side supports allow housing and recharging the measuring head batteries.

FEATURES:

- Standard fast clamps
- No run-out compensation
- 19" color monitor
- 4 LED sensors

SCAN CODE FOR
R5000HD VIDEO



Rotary wheel aligners are manufactured using the following patents: US Patent No. 9,453,724 B2 / US Patent No. 9,300,864 B2.

Rotary SMARTLIFT® VERSATILITY

GREATER PRODUCTIVITY / HIGHER PROFITS

PATENTED SMARTLIFT® TRIO™ ARMS

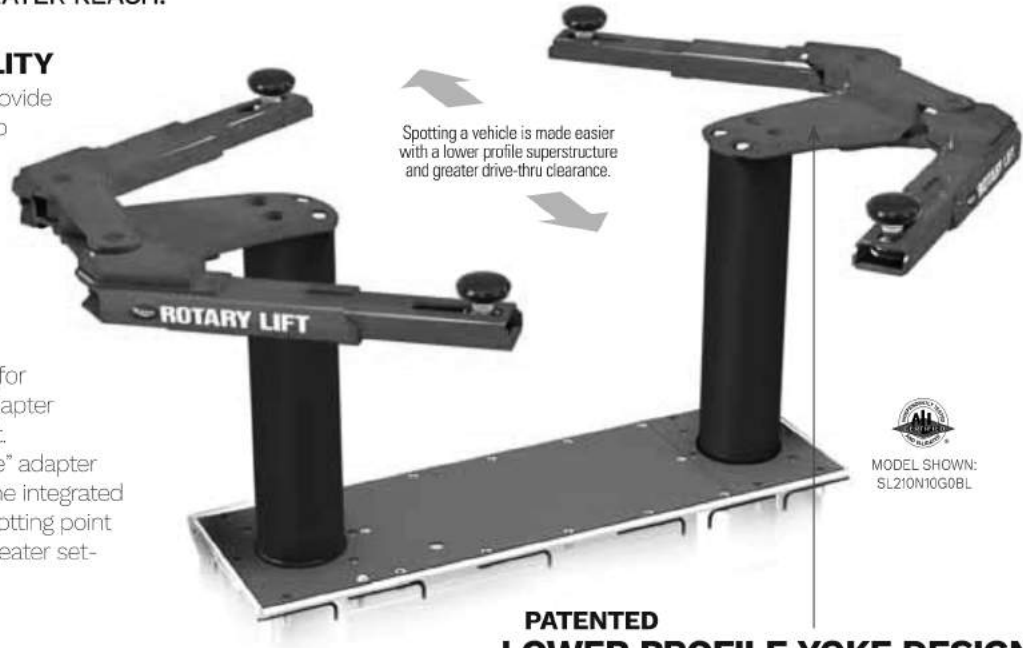
THREE STAGES OF FLEXIBILITY IN A LOW-PROFILE, TWO-PIECE ARM DESIGN EQUALS FASTER SPOTTING SPEED WITH 18% GREATER REACH.

LIFTING VERSATILITY

SMARTLIFT TRIO™ arms provide technicians the flexibility to match the right adapter with the vehicle being lifted helping ensure proper contact.*

TRIO™ SPOTTING SPEED

TRIO™ 3-stage arms allow for quick positioning of the adapter to the vehicle pickup point. The lightweight "third stage" adapter adjustment easily slides the integrated adapter to the vehicles spotting point saving technicians even greater set-up time.



AVAILABLE ON 10,000 and 12,000 lbs. CAPACITY SMARTLIFTS



MODEL SHOWN:
SL210N10G0BL

PATENTED LOWER PROFILE YOKE DESIGN EASIER ENTRY AND EXIT TO SERVICE BAY

GREATER VEHICLE CLEARANCE AND DRIVE-THRU BETWEEN LIFT AND VEHICLE.



MORE CLEARANCE
BETWEEN LIFT AND VEHICLE



GREATER DRIVE THRU
CLEARANCE BETWEEN
LIFT AND VEHICLE

TRIO™ 3-STAGE ARM RANGE

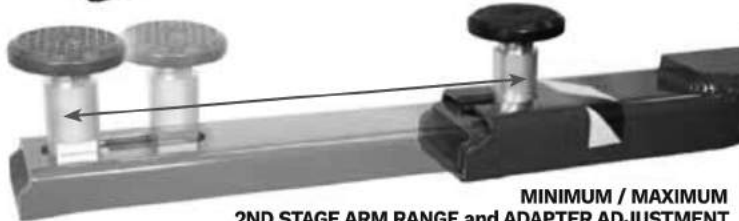
STAGE ONE

Provides micro adjustment range at full arm retraction.



STAGE TWO

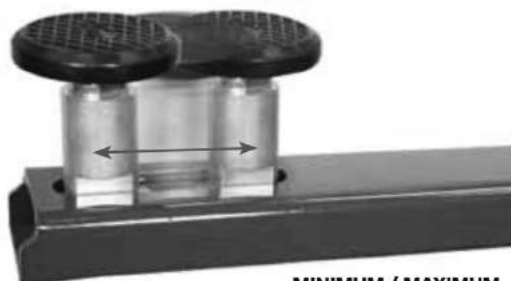
Single inner arm shown at full retraction and full extension



MINIMUM / MAXIMUM
2ND STAGE ARM RANGE and ADAPTER ADJUSTMENT

STAGE THREE RANGE

The patented "third stage" adapter easily and quickly slides to adjust the adapter to the pinpoint vehicle contact locations.



MINIMUM / MAXIMUM
3RD STAGE ARM ADAPTER ADJUSTMENT



WATCH AND
LEARN ABOUT
TRIO LIFTS



*SMARTLIFT TRIO LIFTS COME STANDARD WITH YOUR CHOICE OF FA, RA OR TA ADAPTERS. EACH ADDITIONAL ADAPTER SET IS SOLD SEPARATELY.

TA ADAPTERS ARE STANDARD ON 12,000 LBS. CAPACITY SL212 TRIO LIFTS.

Rotary SMARTLIFT® PERFORMANCE
FEATURES AND SERVICEABILITY

EXCLUSIVE FEATURES AND PATENTED DESIGNS MAKE SMARTLIFT® THE PREFERRED INGROUND LIFTS.



MODEL SHOWN:
SL210N10GOBL

PATENTED TRIO™ 2-PIECE, 3-STAGE ARM
 with integrated "third stage" adapter adjustment.



3-position wheel spotting dish
 Helps techs spot vehicles correctly every time.

PATENTED Easy Access™



Reduce routine cylinder repair time by as much as 75%, saving hours of downtime.

EXCLUSIVE Smartguard® COATED PLUNGERS
 Prevent corrosion and increase the service life of your lift.

ACCESSIBLE GREASE FITTINGS
 Easy, ground level access for technicians.



PATENTED EXCLUSIVE, LOCKING SYSTEM FOR TROUBLE-FREE OPERATION

The locking mechanism uses a patented cylinder which features stainless steel and polymer construction for maximum corrosion resistance and service life.



EASY TO REMOVE NON-SKID CENTER COVER

Allows for all interior systems maintenance to be performed from the surface. Air fittings, hydraulic hoses, and air lock cylinder can be easily serviced.

PATENTED LIQUID DETECTION SYSTEM PREVENTS DOWNTIME

On LDS equipped lifts, the patented system signals the user if liquid accumulates in the containment.



LOCKING SYSTEM
 Engages every 3", is fully accessible for maintenance and has lower to lock function at the power unit.

SINGLE-PIECE RECYCLED POLYMER CONTAINMENT

The lift is protected from the environment and the environment is protected from the lift.



CUSTOMIZE SMARTLIFT FOR YOUR SERVICE FACILITY

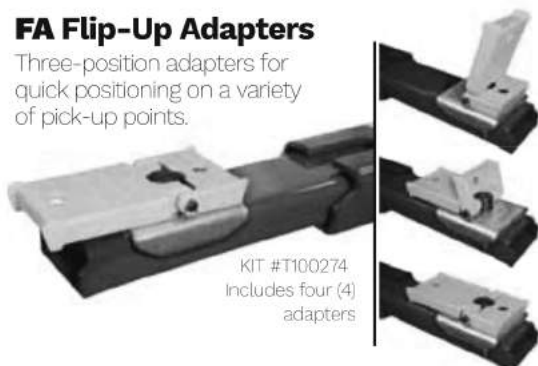
ADAPTER KITS

VERSATILE TRIO™ ARM ADAPTERS ARE INTERCHANGEABLE WITH THREE OPTIONS*

Technicians can choose the best optional adapter set for their lifting needs.

FA Flip-Up Adapters

Three-position adapters for quick positioning on a variety of pick-up points.



KIT #T100274
Includes four (4)
adapters

RA Round Adapters

Adapters thread-up to allow protection of the vehicle underbody components or undercoating for no metal to metal contact.



SET OF 4 / KIT #T100272

Also available for use with stackable inserts

TA Frame Adapters

Auxiliary adjustable thread-up adapter with rubber pads allow for protection of underbody vehicle components or undercoating.



SET OF 4 / KIT #T100273

STANDARD adapters on SL212 TRIO lift

Required use when lifting trucks and frame vehicles. Also available for use with stackable inserts

STACKABLE ADAPTER INSERTS

Light-weight steel construction designed to provide additional lifting height when vehicles require additional clearance.

Standard on SL210-TA and SL212 lifts

Shown: KIT#T100271 Set of (4) 3.5" and set of (4) 5" tall extensions



***SMARTLIFT SL210 TRIO lifts come standard with your choice of FA, RA or TA adapters.**

Each additional adapter set is sold separately. TA adapters are standard on 12,000 lbs. capacity SL212 TRIO lifts.

OPERATING CONTROLS

POWER UNIT CONFIGURATIONS

WALL-MOUNTED OR ON PEDESTAL STAND



Conventional Controls

Efficient and easy to use, power units feature a heavy-duty electric motor with single "up" button switch and a single lowering valve release handle.*



One Touch Control with Liquid Detection System

Raising and lowering the lift is simplified with a single button. The lift can be lowered and the safety locks disengaged with one finger.*

*Increase the rise speed of your lift 22% with an optional 3-phase power unit.

Bench Controls

Improve your facility's image and increase your technician's productivity. Available for conventional and SHOCKWAVE-equipped lifts.

Contact Rotary for details.



Shown: Work bench with center bench controls

Supercharged SHOCKWAVE™ Equipped Rotary Lifts: The World's Fastest and Most Trusted Lift

Dramatically accelerate productivity with exclusive Shockwave™ technology and witness cycle times that are twice as fast as standard lifts.

Shockwave Equipped Smartlifts come with the SPEED, CHOICE, and RETURN on investment that will help you achieve your goals of greater technician productivity and higher profits. Designed specifically for bays where service time is paramount, Shockwave Equipped lifts are the fastest in the world – and they're only available from Rotary.

Shockwave™ equipped lifts feature:

- Spotline™ motion activated spotting laser. Center vehicles in bays quickly and accurately
- Patented DC power system gives you an inexpensive and reliable operation while using two standard Group 24 batteries.* Power units can be wall or pedestal mounted.
- The built in battery charger uses 110v power, eliminating the need for expensive 220v wiring, and, if your shop loses power, SHOCKWAVE-equipped lifts keep on working.

Watch your productivity increase, the number of service orders increase and be shocked at the increase in revenue!



WATCH AND LEARN ABOUT SHOCKWAVE

Wall or ceiling mounted laser

Spotline™ spotting laser helps spot vehicles the first time.

* BATTERIES ARE NOT INCLUDED

SMARTLIFT® LIFTING OPTIONS / MODELS

8,000 / 10,000 / 12,000 LBS. CAPACITIES

SL210

Includes TRIO™ 2-piece, three-stage arms

- 10,000 lbs. capacity
- Available with SHOCKWAVE™ DC battery power
- Multi-position wheel spotting dish
- ALI Gold Certified

Three models / adapter options

SL210-FA

FA Flip-Up Adapters

SL210-RA

RA Round Adapters

SL210-TA

TA Truck Adapters



MODEL SHOWN:
SL210N1000BL

SL212-TA

Includes TRIO™ 2-piece, three-stage arms with truck adapters. Designed for light and medium duty trucks.

- 12,000 lbs. capacity
- Available with SHOCKWAVE™ DC battery power
- Multi-position wheel spotting dish
- ALI Gold Certified



Comes standard with lightweight, adjustable thread-up aluminum truck adapters with rubber pads. A set of (4) 3.5" and set of (4) 5" stackable adapter inserts are standard.



MODEL SHOWN:
SL212N110BL

SMARTLIFT MODELS

Standard Colors are Blue and Red



SL210-FA THREE-STAGE TRIO ARMS

Flip Up Adapters (FA)



SL210-RA THREE-STAGE TRIO ARMS

Round Adapters (RA)



SL210-TA THREE-STAGE TRIO ARMS

Truck Adapters (TA)



SL212-TA THREE-STAGE TRIO ARMS

Truck Adapters (TA)

STANDARD	SL210N1000	SL210N10GO	SL210N10T0	SL212N1110
SHOCKWAVE EQUIPPED	SL210U1000	SL210U10G0	SL210U10T0	SL212U1110
Lift Capacity		10,000 lbs.		12,000 lbs.
Capacity per Arm		2,500 lbs.		3,000 lbs.
Rise*	75 5/8" to 81 1/8"	74 3/4" to 76"	75" to 76 1/4"	75" to 76 1/4"
Overall Width		108 1/4"		98 5/8"
Drive-Thru		88"		87 3/8"
Reach Min. / Max.	21 1/4" to 44 5/8"	18 7/8" to 41 5/8"	18 7/8" to 41 5/8"	22" to 46"
Minimum Adapter Height	4 5/8"	3 3/4"	4"	4"
Min. Bay Size		11' x 24'		11' x 26'
Ceiling Height Minimum	Required ceiling height equals rise with tallest adapter extensions plus height of vehicle			
Voltage Single Phase	208-230V / 110V with SHOCKWAVE			
Electrical Usage Ø	.01kWh per cycle			
Guide Plunger Diameter	8 1/2"			
Time of Full Rise / Descent With SHOCKWAVE**	53 seconds / 24 seconds 25 seconds / 19 seconds			

* Rise measures lowest and highest position of the supplied adapters from floor to full cylinder stroke.

** Actual rise and descent times vary depending on vehicle weight. Lift colors come standard with your choice of red or blue.

SL210-MP8

Drive-over pad lift with moveable, low profile lift pads for quick and accurate vehicle spotting and lifting. Ideal for quick service bays, pads extend and retract allowing ample area when spotting the vehicle.

- 8,000 lbs. capacity
- Available with SHOCKWAVE™ DC battery power
- ALI Gold Certified

Standard with two (2) composite polymer rubber adapter pad kits. Pads are placed on platforms to increase height for vehicle spotting.



MODEL SHOWN:
SL210N8X0



KIT #FJ2487E

Set of four 1-1/2" (38mm) pad adapters and set of four 3" (76mm) pad adapters



SMARTLIFT MODELS

Standard Colors are Blue and Red

SL210-MP8 DRIVE - OVER MOVEABLE PAD LIFT

STANDARD	SL210N8X0
SHOCKWAVE EQUIPPED	SL210U8X0
Lift Capacity Capacity per Pad	8,000 lbs. 2,000 lbs.
Rise*	75 1/4" to 76 3/4"
Overall Width	78 1/4"
Width Between Pads	36 3/4"
Pad Reach Min. / Max.	29 3/4" to 74 3/4"
Minimum Pad Height	2 3/4"
Pad Width / Pick-up Area	20"
Minimum Bay Size	11' x 24'
Ceiling Height Minimum	Ceiling height equals rise with tallest adapter extension plus height of vehicle
Motor / Voltage With SHOCKWAVE	2 HP / 208-230V 5 HP / 110V
Guide Plunger Diameter	8 1/2"
Time of Full Rise / Descent With SHOCKWAVE**	53 seconds / 24 seconds 25 seconds / 19 seconds

* Rise measures lowest to highest adapter pad from floor to full cylinder stroke.

** Actual rise and descent times vary depending on vehicle weight.

Lift colors come standard with your choice of red or blue.

OPTIONAL ACCESSORIES

Specialty Adapters and Extensions for Lifting 2019 Chevrolet Silverado and GMC Sierra 1500 trucks. These adapters are wider to fit the wider frame of the listed trucks.

Extended Height Adapter for FA Adapters

#FJ6259KIT Flip Up Adapter Extensions

Kit includes (2) wide front adapters, (2) standard width rear adapters to keep the vehicle level.

- Maximum overall height: 9 11/32"
- Capacity 2,500 lbs. per adapter



Drop-In Truck Adapter Kits for TRIO™ Arms

- Maximum width: 7"
- Capacity 3,000 lbs. per adapter



#FJ6257KIT

Set of two specifically designed for TRIO arms.

You'll replace the front two adapters on the lift and continue to use the current truck adapters on the rear arm.

MW-200 Tire Lift

Air operated tire and wheel lift.
200 lbs. capacity.

- Quick transfers to tire balancers with easy positioning of the tire and wheel
- Includes air hose and air tool connection

#MW-500

500 lbs. capacity model available

#MW-200



TECH LIGHT™ Line Light R

Rechargeable LED inspection hand lamp with top spot light. Supplied with flexible suspension clips holder with both hook and magnet for positioning the light where you need it.

- 180 lumen in main light operates for up to 3 hours
- 120 lumen in spot light operates for up to 6 hours
- 4 hour charging time

#FA5702



Auxiliary Height Adapter Kits for FA Three-Position Flip-Up Adapters

For use when raising certain vans or pickups. Includes four adapters, mounting rack and hardware. 2,500 lbs. capacity per adapter.



FJ6115BK

Adds 9 3/8" of height

#FJ6195YL

Adds 12 3/8" of height

#FJ6212KITYL

Shorter version

Adds 7 3/8" of height

Includes (4) adapters

Includes 2 adapters

Polymer Pad Adapter Kits for FA Adapters

Rubber contact surface protects undercoated surfaces. Includes four adapters, mounting rack and hardware. 2,500 lbs. capacity per adapter.

#FJ6138BK

Adds 1/2"



#FJ6190YL

Adds 1"

#FJ6139BK

Adds 2 1/2"



Wheel Wing™ Tire Arm

100 lbs. capacity Wheel Wing tire arm mounts on arm and holds a tire at lift arm height. Folds away when not in use.

- Adjustable to fit various lift arms
- Includes 2 arms, 2 magnetic lug nut dishes, shims

#FA5974



RS4 Adjustable Jack Stands 4,000 lbs. CAPACITY

Maximum height: 84"

Minimum height: 55 1/2"

Fine thread-up height: 1 5/8" to 7 1/8"

#RS4



Lock Light™ Patent pending

Provides an instant green light visual confirmation when lift is lowered to its locks. Compatible with high-pressure lifts that use an electric/hydraulic power unit providing an unused pressure port is available.

Kit includes:

- Indicator light assembly
- Pressure switch

#FA834-KIT / 110V
#FA835-KIT / 220V



SPOTLINE™ Laser Kit

Motion activated laser helps center vehicles in bays quickly and accurately. Laser guided system comes complete with motion sensor and mounting hardware.

#FA7815

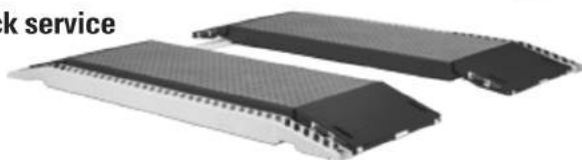


RLP77 Double Scissor Lift

7,700 lbs. CAPACITY

Low profile, compact, drive-over pad lift design with integrated folding ramps accommodates a variety of vehicle types.

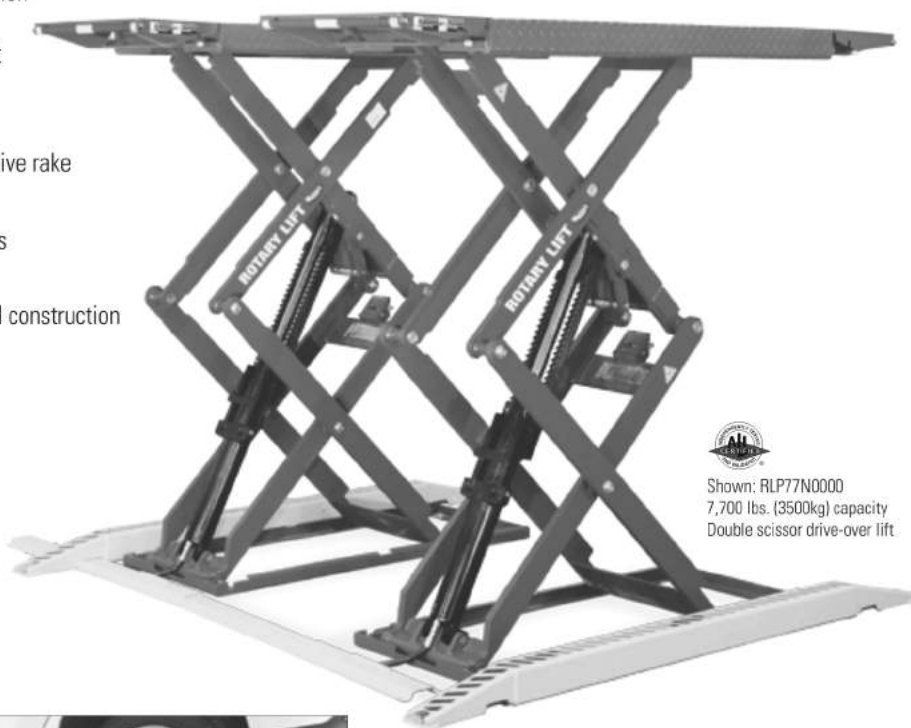
Engineered for quick service repairs and shops with small spaces.



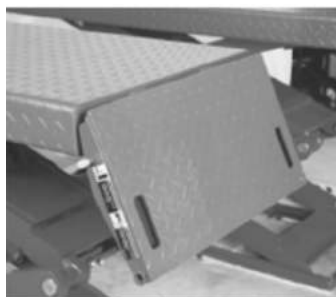
Watch the
PRODUCT VIDEO
rotarylif.com

The RLP77 features the industry's most innovative equalization and locking systems

- **Synchrodrive™ Equalization system**
Exclusive, patent pending hydraulic equalization system that maintains platform equalization during lifting and lowering cycles prevents out of level situations with platforms - uses no electronics or sensors
- Incorporated locking system features a negative rake tooth design - 24 lock positions
- Low drive-over clearance allows for effortless positioning of low profile vehicles
- Patent pending composite high strength steel construction
- 78" rise height
- Lift dampener for soft lift landing
- Surface or flush mounted option
- ALI Gold Label Certified



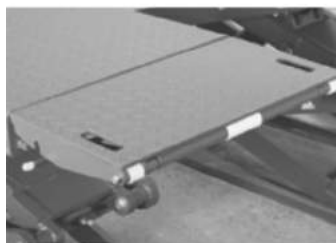
Shown: RLP77N0000
7,700 lbs. (3500kg) capacity
Double scissor drive-over lift



Underhung ramps with polymer rollers maximize vehicle spotting footprint. The ramps fold up, lock in place and increase lifting capabilities by extending the pick-up point surface area.



Hinged ramps drop down to a 65 degree angle for easy access to wheels.



Oversized platforms feature a durable, powder coated diamond plate surface.



Polymer rubber adapter pads are used for vehicle contact.

SPECIFICATIONS / RLP77

Capacity	7,700 lbs.
Maximum Rise	78 3/4" surface mounted 74 5/8" recessed mounted
Lowered Height	4 1/8"
Overall Length	85"
Overall Width	85"
Runway Width	24 3/4"
Width Between Platforms	23 5/8"
Platform Length	59" 85" with ramps extended
Ramp Length	13"
Motor/Voltage	Single Phase - 4 Hp, 60Hz, 230V
Time of Full Rise	39 seconds
Compressed Air Connection	85 - 110 psi

Available in Blue and Gray / Control console is gray

R1090

PRO 3D ALIGNMENT SYSTEM

HIGH PERFORMANCE SYSTEM WITH SOLID VISION TECHNOLOGY

Equipped with fixed cameras, tire grabbing clamps and remote controlled sensors.

- Automatic positioning of the cameras
- Automatic recognition of the targets
- ADAS ready

3D CAMERAS COMMUNICATE VIA BLUETOOTH

No cables or interruptions during alignment process.

AUTOMATIC LIFT LEVEL COMPENSATION

This innovative wireless system can be used on a number of service of lifts thanks to its automatic flatness compensation.

AUTOMATIC CAMERA POSITIONING - ALIGNMENT READINGS IN SECONDS

No adapters required while obtaining caster readings

NO MINIMUM BAY SIZE REQUIRED

Wireless capability with the mobility to move from bay to bay

FAST AND EASY SET UP

with Console or Tablet Operated System

- Includes Android Tablet as a REMOTE indicator

Easy to follow alignment process with updated graphics that feature a time saving On Rack Test Drive Program

- Animated instructions
- Easy to read results
- Adjustment Illustrations
- Live adjustments
- Email or print alignment report



Bluetooth transmission between measuring heads and control unit.

Large 32" HD Monitor



Handheld tablet allows techs to read and make adjustments anywhere in the bay!

New portable cabinet with increased storage.

Compact size for workshops with limited space.

PRECISION TARGET READING HIGH RESOLUTION FIXED CAMERAS

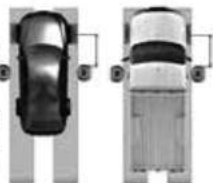
New smaller, rubber armored, wireless measuring heads with digital display keyboard with remote-control function



SINGLE SENSOR SUPPORT PROVIDES HEAD POSITION ON RUNWAYS FOR MULTIPLE VEHICLE WHEELBASES

Quick clamp to the lift, this pivoting support avoids damage with obstacles while lowering.

Requires a single head position to measure different wheel base vehicles.



QUICK RELEASE BATTERY CHARGE STATION

Convenient charge station on cabinet unit top. Swap batteries without losing readings. 8-hour battery life allows a full day of work.



EXCLUSIVE 3DT® TARGETS with Solid Vision Technology EXTREMELY FAST NO ROLL-BACK COMPENSATION REQUIRED FOR MOST VEHICLES

- Extremely light
- No electronic components inside
- Built in leveling display
- No maintenance required



3 POINT + QUICK LOCKING TIRE CLAMPS

FAST SETUP with 4 self-centering 3 point tire clamps - includes quick locking units and ABS claws.



8" - 24" (203-610mm)



19" - 36" (480-914mm)



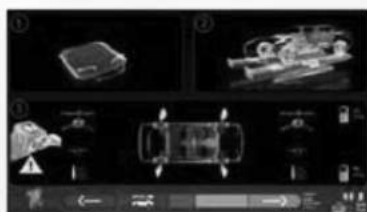
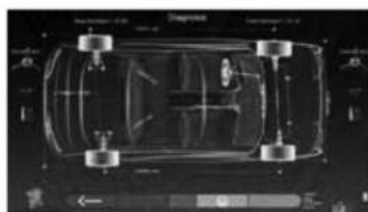


Always have live readings while making adjustments

The standard magnet kit is adhered to the back of the tablet allowing positioning directly to the lift or vehicle during the measuring processes.

HANDHELD TABLET CONNECTS VIA WIFI

Take the alignment tablet with you as you make assessments, adjustments and collect the necessary data to get the job done from anywhere in the bay.



UPDATED ANIMATED INSTRUCTIONS AND GRAPHICS GUIDE THE ALIGNMENT PROCESS

INCLUDES Spoiler Program for lowered vehicles - measures sport and tuned car bodies.

R1090PRO ADVANTAGES

TOWER FREE SYSTEM

Maximize available workspace.

Don't give up valuable bayspace in your shop.

NO MINIMUM BAY SIZE REQUIRED

No fixed obstacles or obstruction in front of lift.

Portable aligner console can be positioned anywhere for the ultimate convenience.

NO COMPENSATION or ROLL BACK*

No physical rolling or pushing of the vehicle to make runout compensation. Automatic and instant 3D target visualization.

*FOR MOST VEHICLES

NO INTERRUPTIONS

Perfect transmission signals. Always.

NO LIMITATIONS Can be used at any height!

No need to dedicate bays for alignment service only.

Use the aligner in more than one bay location with optional sensor supports.



SCAN CODE FOR
PRODUCT VIDEO

STANDARD EQUIPMENT

- 1 control unit with PC, 32" monitor, keyboard, printer, mouse and mouse pad
- TABLET for running the Connect APP
- Wi-Fi dongle
- Remote control located on each sensor
- 2 measuring heads
- Extra set of batteries (2)
- 4, STDA35E/3D 3-point clamps with targets
- Set of 6 extensions for dually wheels
- 1 brake pedal depressor
- 1 steering wheel lock
- Instruction manual
- Runs on WINDOWS 10
- Two years free vehicle data updates
- 3-Year Parts Warranty
- 1-Year Labor Warranty

OPTIONAL EQUIPMENT

STDA3D/QC

Kit of two stands for model R1080. For use with the R1080 Sensors as a Quick Alignment Check.



#S130205 Turning Radius Gauge

Single 1.5ft tall stainless steel radius gauge
No Pointer / 1-1/2ft tall
4,500 lbs. (2,041kg) capacity
(2 required)



#S130237 Turning Radius Gauge

Single 1.5ft tall stainless steel radius gauge
No Pointer / 1-11/16ft tall
4,500 lbs. (2,041kg) capacity
(2 required)



#WS0036

Cordless VIN Scan Tool

Includes charging/communication base, and 4-port USB adapter.

TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
FRONT AXLE			
Total toe	+/- 2"	+/- 2"	+/- 20"
Partial toe	+/- 1"	+/- 1"	+/- 20"
Set-back	+/- 2"	+/- 2"	+/- 5"
Camber	+/- 2"	+/- 3"	+/- 10"
Caster	+/- 5"	+/- 10"	+/- 18"
King pin	+/- 5"	+/- 10"	+/- 18"
REAR AXLE			
Total toe	+/- 2"	+/- 2"	+/- 20"
Partial toe	+/- 1"	+/- 1"	+/- 20"
Set-back	+/- 2"	+/- 2"	+/- 5"
Camber	+/- 2"	+/- 3"	+/- 10"
Thrust angle	+/- 2"	+/- 2"	+/- 5"
Power supply	110v / 1Ø / 60 Hz		



Bluetooth transmission between measuring heads and control unit.

R1070

PRO CCD

TOTAL DRIVE AUTOMOTIVE and LIGHT TRUCK WHEEL ALIGNER

R1070 SPEED

8-CCD sensor wheel alignment system

Infrared transmission among measuring heads and Bluetooth® communication between the front head and the control unit.

The 1070 wireless aligner displays programs and data in easy to use 3D graphics. Access programs by selecting 5 command keys that guide the tech through the step by step measuring process. Enter vehicle information by model or VIN number and begin the process via a 3D animated work-flow. Simply access programs by selecting 5 command keys that guide user step by step in the measuring process.

Portable - position wheeled aligner console anywhere for the ultimate convenience. Maximize available workspace without OBSTRUCTIONS.

Equipped with a powerful PC, 19fi monitor, A4 printer and mobile cabinet for storage and attaching and charging measuring heads.

8-CCD MEASURING HEADS

Infra-red data transmission works well even in difficult lighting conditions.



WIRELESS KEYBOARD
with remote-control function.



INTEGRATED QUICK CHARGE HANGERS

Cabinet supports house the measuring-heads and recharge batteries while in storage.



LED REPEATER

Synoptic LED signal repeaters on each measuring head.



SCAN CODE FOR PRODUCT VIDEO



PATENT PENDING 3 POINT + QUICK LOCKING TIRE CLAMPS
FAST SETUP with 2 pairs of self-centering 3 point tire clamps, with quick locking units and ABS claws.



8" - 24"
(203-610mm)

PROGRAM FEATURES

EASY VEHICLE SELECTION

Quick enter vehicle by model or VIN number. Summary and comparison of diagnosis / repair values on a single screen.

EASY DATA

Ø Data management and display program with more than 90,000 vehicle data sheets
Ø Customer data bank for recording 20,000 jobs
Can search by customer name or vehicle plate

ANIMATED INSTRUCTIONS / 3D ANIMATION

EASY ALIGNMENT DISPLAYS

QUICK RUN OUT*

Measure wheel run out by moving the vehicle by only 30°
Ø 20" to 6" / Ø 24" to 7" / Ø 27" to 8" / Ø 31" to 9"
Ø 500mm to 150mm / Ø 600mm to 170mm
Ø 700mm to 200mm / Ø 800mm to 230mm
* Run out not required on most vehicles

QUICK DIAGNOSTIC

The quick measurement of axle set back, wheelbase and track width, may highlight any errors in the vehicles chassis symmetry.

10° / 20° CCD STEERING ACKERMANN

The steering procedure is carried out electronically through the CCD sensors, so caster and SAI are precisely measured.

VEHICLE SPOILER PROGRAM

Automatically activated to measure sport and tuned car bodies.

STANDARD EQUIPMENT

- 1 control unit with PC, 19fi monitor, keyboard, printer and battery charger
- 2 front and rear measuring heads
- 4, 3-point STDA35E clamps with targets
- Set of 6 extensions for dually wheels
- 1 brake pedal depressor
- 1 steering wheel lock
- Instruction manual on USB drive

EASY UPDATE SMART CARD for quick data bank update. USB KEY to save and restore customer data. FREE 24 month specification updates with purchase.



OPTIONAL EQUIPMENT

#WS0036 Cordless VIN Scan Tool

Includes charging/communication base, and 4-port USB adapter.



TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
FRONT AXLE			
Total toe	+/- 2'	+/- 2'	+/- 20'
Partial toe	+/- 1'	+/- 1'	+/- 20'
Set-back	+/- 2'	+/- 2"	+/- 5'
Camber	+/- 2'	+/- 3"	+/- 10'
Caster	+/- 5'	+/- 10"	+/- 18'
King pin	+/- 5'	+/- 10"	+/- 18'
REAR AXLE			
Total toe	+/- 2'	+/- 2'	+/- 20'
Partial toe	+/- 1'	+/- 1"	+/- 20'
Set-back	+/- 2'	+/- 2"	+/- 5'
Camber	+/- 2'	+/- 3"	+/- 10'
Thrust angle	+/- 2'	+/- 2"	+/- 5'
Power supply	110v / 1Ø / 60 Hz		

R1065

MOBILE TABLET ALIGNER

Affordable tablet operated, tower-free system provides the ultimate usage of shop space!

Handheld tablet is used without a WIFI connection.

CONNECTS TO MEASURING HEADS VIA BLUETOOTH

Always have live readings while making adjustments

The standard magnet kit is adhered to the back of the tablet allowing positioning to the cart, directly to the lift or vehicle during the measuring processes.



Bluetooth®
Bluetooth transmission between measuring heads and control unit.

Portable aligner cart is positioned anywhere in the bay for maximum shop convenience.

COMPUTER FREE ALIGNMENT SYSTEM - FAST SET UP

No computer software updates required

WIRELESS MEASURING HEADS COMMUNICATE VIA BLUETOOTH

No cables or interruptions during alignment process

NO MINIMUM BAY SIZE REQUIRED

Wireless capability with the mobility to move from bay to bay

PERSONALIZED ALIGNMENT REPORT EMAILED TO CUSTOMER

Insures customer satisfaction or print to a local WIFI printer

ACCURATE 2 STEP RUN OUT PROCESS

Tablet tells the operator when to stop, and when to roll forward during the run-out process.

UPDATED ANIMATED INSTRUCTIONS AND GRAPHICS GUIDE THE ALIGNMENT PROCESS

INCLUDES Spoiler Program for lowered vehicles - automatically activated to measure sport and tuned car bodies.

Make assessments, adjust readings and collect vehicle data anywhere in the bay.



SCAN CODE FOR PRODUCT VIDEO

SENSOR KEYPAD

GREEN LED signals when charging
RED LED signals when unit is on



NEW FRONT & REAR MEASURING HEADS

State-of-the-art design for the wireless sensors. All the characteristics of both vehicle axles are measured by 4 CCD measuring heads that include 2 CCD cameras each.

All measuring heads include a bearing on the shaft and the Right Rear includes an encoder to speed the Run Out process. The 4 measuring heads charge while stored on cart.

STANDARD EQUIPMENT

- 10fl Android tablet
- 8 CCD camera system
 - 4 sensors with 2 CCD cameras
- 4 STDA33EU wheel clamps
- 1 brake pedal depressor
- 1 steering wheel lock
- 3-Year parts warranty
- 1-Year labor warranty



STDA33EU 4 point wheel clamps
Self-centering clamps with removable claws. Set of 4.

OPTIONAL EQUIPMENT*

STDA35E 3 point wheel clamps
Self-centering clamps with quick locking arms and ABS claws. Set of 2 clamps.

STDA41 extended claws
Long metal claws for vans
Set of 8 claws / 2.2fl

STDA96 3 point wheel clamps
Self-centering clamps with quick locking arms and ABS claws. Manual diameter adjustment. Set of 2 clamps.

#WS0036 Cordless VIN Scan Tool
Includes communication /charging base, and 4-port USB adapter

* Optional wheel clamps shown are purchased as an option and cannot be substituted for standard STDA33EU clamps.

TOTAL MEASURING RANGE / R1065

TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
FRONT AXLE			
Total toe	+/- 2"	+/- 2"	+/- 20"x2
Partial toe	+/- 1"	+/- 1"	+/- 20"
Set-back	+/- 2"	+/- 2"	+/- 5"
Camber	+/- 2"	+/- 3"	+/- 10"
Caster	+/- 5"	+/- 10"	+/- 18"
King pin	+/- 5"	+/- 10"	+/- 18"
REAR AXLE			
Total toe	+/- 2"	+/- 2"	+/- 20"x2
Partial toe	+/- 1"	+/- 1"	+/- 20"
Set-back	+/- 2"	+/- 2"	+/- 5"
Camber	+/- 2"	+/- 3"	+/- 10"
Thrust angle	+/- 2"	+/- 2"	+/- 5"
Power supply	110v / 10 / 60 Hz		

FEATURES

- Mobile cart with built-in sensor chargers - long lasting batteries work all day
- Fast installation and set up
- Can be used in multiple bays
- Use on any runway lift with alignment kit

R5000

CTA PRO

Add alignment to your shops offering of services and see significantly higher income production with much faster operating times and no loss of accuracy.

COMMERCIAL TRUCK ALIGNMENT SYSTEM

SPEED and EFFICIENCY with 6-CCD sensor system

Infrared transmission among measuring heads and Bluetooth® communication between the front heads and the control unit.

SIMPLE SYSTEM TO LEARN WITH FAR LESS TRAINING TIME

The double inclinometer allows caster adjustment without steering. No run out clamps enable user to skip out of any compensation procedures. Special side supports allow housing and recharging the measuring head batteries.

UNIVERSAL USE / FLOOR / PIT or LIFT

Portable console can be positioned in any available bay space.

Maximize available workspace without OBSTRUCTIONS.

PATENTED STANDARD FAST TIRE CLAMPS

FAST SETUP / NO RUN-OUT COMPENSATION

30" TIRE DIAMETER MINIMUM



The wheeled control unit houses the computer, printer and monitor and stores clamps and accessories.

Bluetooth®
Bluetooth transmission between measuring heads and control unit.

TWSR SENSORS

BUS and TRUCK APPLICATION

Front heads have extended drop-down sensor frame.



LED REPEATER ON FRONT SENSORS

LEDs on the head inform operator when adjustment angle is within specification range.

4 REMOTE CONTROLS

Operate the system from any head.

4 LED SENSORS

allow alignment readings up to 59 feet.



QUICK CHARGER

contacts for battery charging.

Special side supports on cabinet allow housing and recharging of the measuring head batteries.



STANDARD EQUIPMENT

- 1 control unit with PC, 19" monitor, keyboard, printer and battery charger
- 2 front and rear measuring heads
- 4 STDA92 tire clamps

- 2 STDA29L front turnplates
- 1 brake pedal depressor
- 1 steering wheel lock



SCAN CODE FOR PRODUCT VIDEO

OPTIONAL APPLICATIONS



TRAILER ALIGNMENT / Up to 8 axles

HD / PASSENGER COMBO KIT

#STDA159VSG

Adding this kit and a set of 4 passenger tire clamps (2 per part number) will allow the R5000 to align compact passenger cars up to Class 8 vehicles.

Contact factory for detailed information.



TRUCK TRAILER ALIGNMENT FIXTURE

#STDA49N

CCD CALIBRATION KIT

#STDA14



PROGRAM FEATURES

DATA MANAGEMENT

Data bank with vehicle data sheets already entered and further blank sheets to be filled.

- Customer data bank for recording jobs with search by customer name or vehicle plate number.
- Summary and comparison of diagnosis/repair values on a single screen.
- Measurement of multiple axles vehicles using an extremely easy-to-follow procedure.

User's instructions with animated graphics measure axle offset electrically without wasting time manually measuring.

TECHNICAL DATA	ACCURACY	MEASURING RANGE	TOTAL RANGE
FRONT AXLE			
Total toe	+/- 3'	+/- 2'	+/- 20'
Partial toe	+/- 1'	+/- 1'	+/- 2" 30'
Set-back	+/- 2'	+/- 2'	+/- 5'
Camber	+/- 2'	+/- 3'	+/- 10'
Caster	+/- 5'	+/- 10"	+/- 18"
King pin	+/- 5'	+/- 10"	+/- 18"
REAR AXLE			
Total toe	+/- 3'	+/- 2'	+/- 20'
Partial toe	+/- 1'	+/- 1'	+/- 2" 30'
Set-back	+/- 2'	+/- 2'	+/- 5'
Camber	+/- 2'	+/- 3'	+/- 10'
Thrust angle	+/- 2'	+/- 2'	+/- 5'
Power supply	110v / 1Ø / 60 Hz		

R180 PRO 3D AUTO TECHNOLOGY

ELECTRONIC BALANCER with MICROPROCESSOR

EQUIPPED WITH AUTO WHEEL DIMENSION
SONOR and LASER RIM SCANNER

PERFECT BALANCING WITH MAXIMUM SPEED AND PRECISION

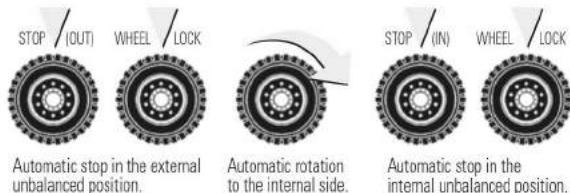
AUTOMATIC BALANCING MODE

The R180 saves time and material cost.

Faster efficient balancing reduces wheel weight consumption while reducing spins and repositioning time lost. Interactive screen output identifies hidden weight location position, provides detailed analysis for precision weight placement.

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



AUTOMODE

After lowering the hood the sonar automatically detects wheel dimension.

- The laser scans rim profile
- Balancing program is auto selected
- Adhesive weights are positioned and memorized
- Wheel spoke quantities are checked and position for proper location of hidden weights is located
- Easily switch readout from ounces to grams

PROGRAM FEATURES



MONITOR KEYBOARD

Linked directly to a standard monitor, this durable touch-pad allows for a "gloved" input with the convenience of a touch screen monitor.



LASER WHEEL SCANNER

The laser pointer indicates the exact positioning for weights



SCAN CODE FOR
PRODUCT VIDEO

GUIDED BALANCING PROCEDURE

The functions related to each key vary according to use and are identified by icons on the display for easier understanding. Residual static readings are displayed throughout service functions.

SPOKE

Hidden weight program

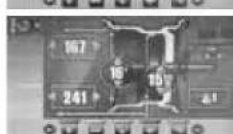


SPLIT PROGRAM



ALU-S

3 automatic ALU S programs



STANDARD ACCESSORIES

OPTIONAL ACCESSORIES SEE PAGE 5

HW150400132 / 2.07" - 4.35" (52.5-110.7mm)

Seven-piece Pro Collet Kit 40mm

- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper = Better Mounting
- No Wheel Hub Interference



GAR 112

Light truck cone
3.75" - 5" (95-124 mm)



GAR 345
Large quick nut
replacement lock



Caliper and Pliers



Wheel diameter: 10" - 30"

Tire width: 1.5" - 22"

Maximum tire diameter: 44"

R180 PRO 3D AUTO services:



Optional equipment may be required

DIMENSIONS:

HEIGHT: 57.125" / 66.5" with hood up
WIDTH: 53.625"
DEPTH: 30.375" / 35.625" with hood up

TECHNICAL DATA	R180
Max. assembly weight	176 lbs. (80kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 1Ø

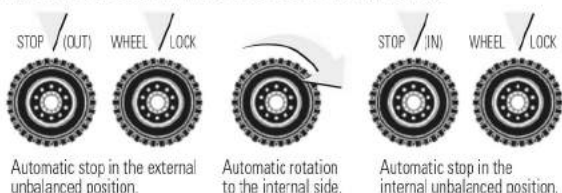
R155 PRO 3D AUTO TECHNOLOGY

ELECTRONIC BALANCER with MICROPROCESSOR

ALL THE FEATURES FOR THE MOST DEMANDING PROFESSIONALS

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



EASY OPERATION

Interactive inputs guide tech during all phases of the balancing process.



Automatic storage of distance and diameter.



Automatic programs.

INTERNAL DATA ARM



Quick selection and rim run-out measurement with internal data gauge.



LASER BLADE

The laser pointer indicates the exact positioning for weights



DOUBLE LED

LINKED KEYBOARD



MONITOR KEYBOARD

Linked directly to a standard monitor, this durable touch-pad allows for a "gloved" input with the convenience of a touch screen monitor.



QUICK LOCK



WIDTH GAUGE

3D wheel tire sensor caliper for automatic measure of rim width



Wheel diameter: 10" - 30"

Tire width: 1.5" - 22"

Maximum tire diameter: 44"

R155 PRO 3D services:



Optional equipment may be required

DIMENSIONS:

HEIGHT: 57.625" / 66.5" with hood up
WIDTH: 50.25"
DEPTH: 37.75"

TECHNICAL DATA	R155
Max. assembly weight	154 lbs. (70kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 1Ø



SCAN CODE FOR PRODUCT VIDEO

STANDARD ACCESSORIES OPTIONAL ACCESSORIES SEE PAGE 5



HW150400132 / 2.07" - 4.35" (52.5-110.7mm)

Seven-piece Pro Collet Kit 40mm

- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper For Better Mounting
- No Wheel Hub Interference



Caliper and Pliers



GAR 345
Large quick nut
replacement lock



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)

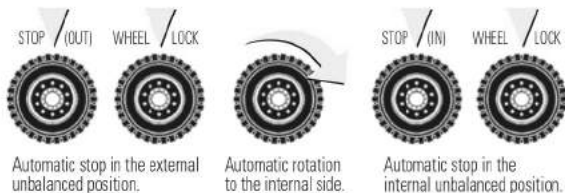
R148PRO^{2D} TECHNOLOGY

ELECTRONIC BALANCER with MICROPROCESSOR

EQUIPPED WITH AUTO WHEEL DIMENSION CALIPER
PERFECT BALANCING WITH AUTOMATIC MEASUREMENT OF WHEEL
DISTANCE AND DIAMETER.

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



AUTOMATIC DISTANCE + DIAMETER MEASUREMENT

Caliper for automatic distance and diameter measurement.
Automatic ALU S program.



LARGE DIGITAL DISPLAYS

12 PROGRAM FEATURES
FOR CAR, LIGHT TRUCK
AND MOTORCYCLE WHEELS



Wheel diameter: 10" - 30"
Tire width: 1.5" - 22"
Maximum tire diameter: 44"

R148 PRO 2D services:



Optional equipment may be required

DIMENSIONS:
HEIGHT: 52" / 66.5" with hood up
WIDTH: 46.625"
DEPTH: 37"

STANDARD ACCESSORIES OPTIONAL ACCESSORIES SEE NEXT PAGE



HW150400132 / 2.07" - 4.35" (52.5-110.7mm)

Seven-piece Pro Collet Kit 40mm

- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper For Better Mounting
- No Wheel Hub Interference



Caliper and Pliers



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)



GAR 345
Large quick nut
replacement lock

TECHNICAL DATA	R148
Max. assembly weight	154 lbs. (70kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 1Ø

R138 SHOP

2D LOW ROTATION SPEED

FIRST LEVEL COMPUTERIZED BALANCER

Motorized balancer at a great value compliments any shop.

Its small footprint and lower rotational speed offers features even the most demanding operator will appreciate. A heavy-duty 40mm shaft, large 10.5" offset for deep rims, easy to read display and standard accessories completes this great package.

PROGRAM FEATURES



AUTO STOP ON TOP AUTO LOCK

Automatic start when the cover is lowered and automatic stop of the wheel in the external unbalanced position.



CALIPER FOR AUTOMATIC DISTANCE + DIAMETER MEASUREMENT

Automatic ALU S program



**Includes HIDDEN
WEIGHT program**

STANDARD ACCESSORIES



GAR 111
Passenger tire cone kit
1.75" - 4" (44-104 mm)



GAR 112
Light truck cone
3.75" - 5" (95-124 mm)



GAR 101
Quick nut
replacement lock

Caliper
and Pliers



**LARGE DIGITAL
DISPLAY**



Wheel diameter: 10" - 26"
Tire width: 1.5" - 22"
Maximum tire diameter: 35.4"

R138 SHOP 2D services:



Optional equipment may be required

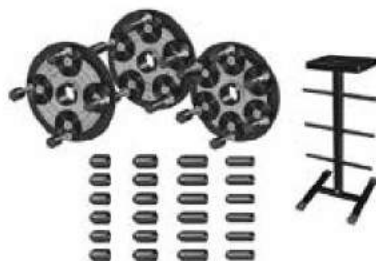
DIMENSIONS:
HEIGHT: 46.5" / 62.875" with hood up
WIDTH: 39.5"
DEPTH: 29.125"

TECHNICAL DATA	R138
Maximum assembly weight	143 lbs. (65kg)
Read out accuracy	1 g
Cycle time	6 seconds
Rotation speed (rpm)	<100
Power supply	110v / 60 Hz / 1Ø

OPTIONAL ACCESSORIES / R180 / R155 / 148 / 138 BALANCERS



GAR113
Light truck cone
4.65" - 6.8" (118-174mm)
Vans and light trucks



SHOWN: HW210400002
Series IV Quick Plate Kit 40mm

HW200299409
North American Flange Plate Kit 40mm



GAR124 Spacer for all balancers
May be used with GAR112 and
the #8, 9, 10 & 11 collets

HW150400110
2.07" - 4.76" (52.5mm-122mm)

Nine-piece Pro Collet

Kit 40mm

- Clad Wheel Problem Solver
- Static Imbalance Solution
- Lower Taper For Better Mounting Surface with No Wheel Hub Interference
- Includes collets #1 thru #9



GAR324 Wheel lift with automatic
compensation of wheel weight
Memorizes wheel weight - when the
wheel is removed from the balancer,
there are no forces on balancer shaft.

R544 PLUS TRUCK 3D

VERSATILE COMMERCIAL TRUCK BALANCER

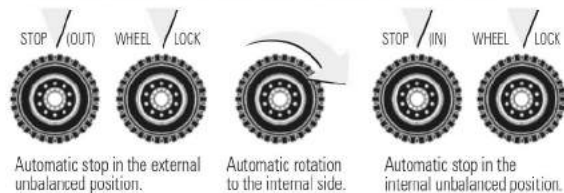
Fast and accurate balancing of commercial, passenger vehicle and motorcycle wheels.

MICROPROCESSOR CONTROLLED with PROGRAMS FOR SELF-CALIBRATION and DIAGNOSTICS

One single low rotation spin provides a readout of out of balance values and gives the related position on the wheel. Operator enters the wheel diameter and width automatically with the gauge.

AUTOMATIC LOCK IN POSITION

Automatic start when the cover is lowered.



3D AUTOMATIC DATA INPUT



Digital caliper with optical sensor, and alloy shaft sliding bushes.

Auto storage of distance and diameter up to 26"



Integrated LED lights and laser

GAR 266T WIDTH SENSOR

3D wheel tire sensor caliper for automatic measure of rim width



AIR BRAKE

An electro-pneumatic brake keeps the wheel in the unbalance position.



Pneumatic air lock nut on wheel shaft comes standard.



GAR 351 Standard air lock nut



SCAN CODE FOR PRODUCT VIDEO



STANDARD CALIBRATION KIT

Width Calipers
Weight Pliers
Calibration Weight



Wheel diameter: 10" - 30"

Tire width: 1.5" - 22"

Maximum tire diameter: 51"

R544 PLUS services:



Optional equipment may be required

DIMENSIONS:

HEIGHT: 58.375" / 73.875" with hood up

WIDTH: 78.625"

DEPTH: 35" / 44.25" with hood up

TECHNICAL DATA	R544
Maximum assembly weight	441 lbs. (200kg)
Read out accuracy	10 g 1 g
Rotation speed (rpm)	100 80
Power supply	110v / 60 Hz / 10

STANDARD ACCESSORIES



GAR 111 Passenger tire cone kit
1.75"-4"
(44-104 mm)



GAR 112 Light truck cone
3.75"-5"
(95-124 mm)



GAR 113 Light truck cone
4.65"-6.8"
(118-174 mm)



GAR 122 Truck spacer

GAR124 Spacer

May be used with GAR112 and the #8,9,10,11 collets

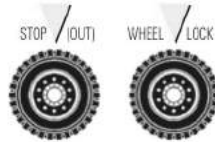
GAR 114 202/221/281
2 Cones for trucks
7.9" - 8.7" - 11"

R540 RLTD TRUCK 2D

2D TECHNOLOGY ELECTRONIC BALANCER with MICROPROCESSOR

AUTO STOP ON TOP / AUTO LOCK

Automatic stop of the wheel in the external unbalanced position.



AUTOMATIC BALANCING MODE

Versatile machine designed for easy, fast and accurate balancing of motorcycle, car and commercial wheels.

Microprocessor controlled with self-calibration and self-diagnostics.

Specific balancing programs for static, dynamic and ALU wheels. One single spin with low rotation speed provides all the values. Readout of out of balance values and the related position on the wheel. Wheel diameter and width in inches or millimeters. Unbalance readout in grams or ounces.



LARGE DIGITAL DISPLAY
Integrated keyboard



**STANDARD
AIR TIRE LIFT**
441 Lbs. capacity

STANDARD ACCESSORIES



GAR 111
Passenger tire cone kit
1.75" - 4" (44-104 mm)



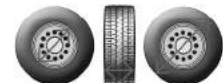
CALIBRATION KIT



GAR 344
Quick lock

AIR BRAKE

An electro-pneumatic brake keeps the wheel in the unbalance position.



Wheel diameter: 10" - 30"
Tire width: 1.5" - 22"
Maximum tire diameter: 51"

R540 RLTD services:



Optional equipment may be required

DIMENSIONS:
HEIGHT: 40"
WIDTH: 69.5"
DEPTH: 26.25"



GAR 112
Light truck cone
3.75" - 5"
(95-124 mm)



GAR 113
Light truck cone
4.65" - 6.8"
(118-174 mm)



GAR 122
Truck
spacer

GAR124 Spacer

May be used
with GAR112 and
the #8,9,10,11 collets



GAR 114 202/221/281
2 Cones for trucks
7.9" - 8.7" - 11"

TECHNICAL DATA	R540
Maximum assembly weight	441 lbs. (200kg)
Read out accuracy	10 g 1 g
Rotation speed (rpm)	100 80
Power supply	110v / 60 Hz / 1Ø

OPTIONAL ACCESSORIES / R544 PLUS / R540 RLTD

CAMION / TRUCK / LKW APPLICATION

GAR 171 three finger adapter
(3X170, 186, 205, 222, 245)

GAR 172 four finger adapter
(4X275, 285) 202-221-281

GAR 173 five finger adapter
(5X225, 286, 335)



**SHOWN:
GAR 172**
Four finger
adapter



HW700E400020
Truck centering disc
Fits 219.9mm / 8.65"
and 220.8mm / 8.69"
Requires GAR173
and/or GAR172 for use



GAR 266T WIDTH SENSOR

3D wheel tire sensor
caliper for automatic
measure of rim width

Standard with
R544 PLUS balancer
Can be added to older
R544 Series models

NOT available for R540 balancer

544 PROTRUCK2D

VERSATILE TRUCK WHEEL BALANCER DESIGNED FOR FAST AND ACCURATE BALANCING OF COMMERCIAL TRUCK WHEELS

Microprocessor controlled with self-calibration and self-diagnostics.
Specific balancing programs for static, dynamic and ALU wheels.

One single spin with low rotation speed provides all the values.
Readout of out of balance values and the related position on the wheel.
Wheel diameter and width in inches or millimeters.
Unbalance readout in grams or ounces.



SCAN CODE FOR
PRODUCT VIDEO



R544 8"-8.7"-11"
(Ø 202 - 221mm, 281mm)
Complete with cones for trucks.



R544
Shown with
optional GAR266T
width sensor arm

AIR LOCK

Model comes with pneumatic
locking of the wheel.

AIR LIFT
441lbs. capacity



GAR 351
Standard air lock nut

AIR BRAKE

An electro-pneumatic
brake keeps the wheel
in the unbalance position.



2D AUTOMATIC DATA INPUT

Digital calliper with optical sensor,
with alloy shaft sliding on bushes.
Automatic storage of distance and
diameter up to 26".



WHEEL AIR LOCK IN POSITION > PRECISION WHEEL LIFT > SPEED



R1200 LEVERLESS PRO

PREMIUM CENTER LOCKING CHANGER

AUTOMATIC LEVERLESS TIRE CHANGER WITH SYNCHRONIZED DUAL BEAD BREAKING ROLLERS

HUB MOUNTED, DUAL ROLLER SYSTEM REQUIRES NO TOOLS

There's no metal-to-metal contact with patented leverless mount / demount tool. Demount and mount the most challenging tire and wheel combinations.

0-15 RPM VARIABLE SPEED TURNTABLE MOTOR

Exclusive inverter regulates rotational speed and slows as the stress on the bead increases, avoiding any damage to the tire.

STANDARD with THE R1200

- fl Integrated pneumatic wheel lift
- fl 3-position pedestal with self-locking plate
 - handle wheels with a 10fi to 30fi diameter
- fl Quick-lock rim clamping device with guard
- fl Easy to use 2-button controls
- fl Centering adapter / double conic
- fl Rubber turntable guard
- fl Pin protectors for centering pulling unit
- fl Power-assisted press arm seats bead to rim
- fl Foot pedal controls for inflation, rotation and wheel lift
- fl Inflation station
- fl Storage cabinet
- fl Tire paste lubricant and brush

OPTIONAL ACCESSORIES

VSG1000A158

Universal flange for reverse, and Chrome Clad wheels

VSG1000A152

Light truck adapter for centering locking tire changer - 19.5fi wheels

VSG1000A102

5 stud kit 110mm long for reverse rims. Used on VSG1000A87

VSG1000A86

Re-positionable side mirror



EASY TIRE MOUNTING
with plastic tool, dual rollers and power-assisted top bead press arm.



SCAN CODE FOR PRODUCT VIDEO



DUAL BEAD-BREAKING ROLLERS

Accurate and easy positioning and operation of both rollers and mount / demount tool.

R1200 LEVERLESS PRO services:



Optional equipment may be required

TECHNICAL DATA	R1200
Handle wheels from*	10"-26" / 12"-28" / 14"-30"
Maximum wheel width	19"
Maximum wheel diameter	45"
Bead breaker power (each arm)	2,645 Ft/Lbs
Bead breaker movement	Automatic / Manual indent
Rotation motor	2Hp / 1.5 Kw inverter motor
Recommended air supply	115-145 PSI / 8-10 bar
Power supply	220v / 1Ø / 60 Hz

* 3-position base can be adjusted to fit larger wheels up to 30"

R1150 LEVERLESS

LEVERLESS, HUB MOUNTING CHANGER REQUIRES NO TIRE TOOL

Service the most challenging tire and wheel combinations - low profiles, runflats, exotic rims and other specialty jobs. No metal to metal contact with leverless mount / demount tool.

Change difficult light truck combinations such as 17.5fi and 19.5fi super duty wheels using optional centering adapter VSG1000A152.

0-15 RPM VARIABLE SPEED TURNTABLE MOTOR

Exclusive inverter regulates rotational speed and slows as the stress on the bead increases, avoiding any damage to the tire.

STANDARD with THE R1150

- fl Quick locking wheel centering adapter
- fl Locking system suitable for reverse rims
- fl Easy to 2-button controls for roller position
- fl Integrated pneumatic wheel lift
- fl Pedal operated inflation with side bead blaster
- fl Full range of bead clamps and adapters
- fl Double cone
- fl Tire paste lubricant and brush

OPTIONAL ACCESSORIES

VSG1000A158

Universal flange for reverse, and Chrome Clad wheels

VSG1000A152

Light truck adapter for centering locking tire changer - 19.5fi wheels

VSG1000A102

5 stud kit 110mm long for reverse rims. Used on VSG1000A87

VSG1000A118

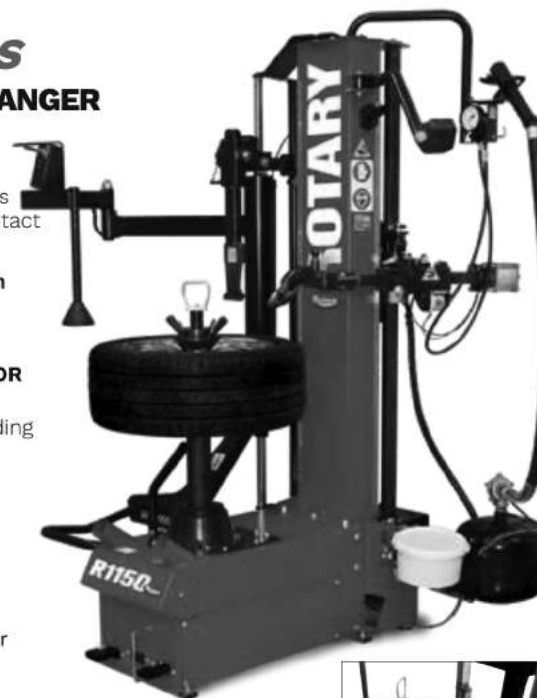
Match mounting roller

VSG1000A135

Bead breaker

VSG1000A86

Reposition-able mirror



EASY TIRE MOUNTING
with plastic tool, roller and rotating helper arm.



EASY ROLLER BEAD-BREAKING FEATURE

Automatic roller side-movement with memorized position for bead breaking lower side of tire.



SCAN CODE FOR PRODUCT VIDEO

R1150 LEVERLESS services:



Optional equipment may be required

TECHNICAL DATA	R1150
Handle wheels from*	10"-26" / 12"-28" / 14"-30"
Maximum tire width	15"
Maximum tire diameter	45"
Bead breaker power (each arm)	2,645 Ft/Lbs
Bead breaker movement	Automatic
Rotation motor	2Hp / 1.5 Kw inverter motor
Recommended air supply	115-145 PSI / 8-10 bar
Power supply**	220v / 1Ø / 60 Hz

* 3-position base can be adjusted to fit larger wheels up to 30"

**SHIPS WITH NEMA 16 - 20 PLUG

R247D.CL CENTER LOCKING

HIGH VOLUME SWING ARM CHANGER

Easy to use center post mounting design increases productivity and reduces the risk of wheel damage. Comes standard with metal and plastic mounting and demounting heads.

The double-acting bead breaker cylinder is designed to work on low-profile and large steel or alloy rims.

VARIABLE SPEED CONTROL INVERTER

Avoid any tire damage by slowing rotational speed as the stress on the bead increases.

FEATURES

- fl Quick locking wheel centering system
- fl Integrated wheel lift
- fl Lower bead lifting roller
- fl Pneumatic top bead pressing tool
- fl Hand controlled side bead breaker
- fl Powerful 220v drive motor
- fl Storage cabinet
- fl Tire paste lubricant and brush

OPTIONAL ACCESSORIES

VSG1000A158

Universal flange for reverse, and Chrome Clad wheels

VSG1000A102

5 stud kit 110mm long for reverse rims. Used with VSG1000A87

VSG1000A152

Light truck adapter for centering locking tire changer - 19.5fi wheels

VSG1000A11

Bead tire lever

VSG1000A18

Bead pushing roller

STANDARD PLASTIC TOOL HEAD

VSG800A60

Tool with support



INTEGRATED WHEEL LIFT

R247D.CL services:



Optional equipment may be required

TECHNICAL DATA	R247D.CL
Rim clamping	10"-30"
Maximum rim width	15"
Maximum tire diameter	47"
Max. bead breaker opening	15"
Bead breaker cylinder power at 145 psi	6,745 LBS
Rotation motor	2Hp / 1.5 Kw inverter
Recommended air supply	115-145 PSI / 8-10 bar
Power supply*	220v / 1Ø / 60 Hz VARIABLE SPEED

*SHIPS WITH NEMA L6 - 20 PLUG

R145DR

AUTOMATIC TILTBACK CHANGER

High performance, top-of-the-range tire changers model with double-acting bead breaker cylinder.

Designed for low-profile and large-sized steel or alloy rims. Works easily on any wheel up to a maximum width of 17fi

FEATURES

- fl 2 position centering lock / 10fi-26fi range
- fl Hand controlled bead breaker
- fl Double synchronization for load distribution
- fl Adjustable tool guide for alloy rim protection
- fl Bolt caps to prevent hooking of air hoses
- fl Integrated helper arm included
- fl Lower bead lifting roller
- fl Pneumatic top bead pressing tool
- fl Filter / Tire paste lubricant and brush

Inverter 0-16 Variable Speed Control Feature

Designed with an innovative electrical motor inverter, techs are able to regulate the chucking table rotation speed to reduce the stress on the bead to avoid any damage to the tire. 220V drive motor.

STANDARD ACCESSORIES

VSG800A117 (2 x kit)

Tool protection kit for metal mount / demount head

VSG800A11 Qty. of 1

Bead breaker protection

VSG800A11K Qty. of 5

VSG800A6 (24fi - 26fi)

Clamp Protectors (4 pcs)

VSG800A26

Blade with adjustment inclination. Allows to break the bead at the correct angle. 145D Model.

OPTIONAL ACCESSORIES

VSG800A107 Fast Fit Motorcycle Adapters

+ 5fi from outside

SMALL WHEEL ADAPTER VSG800A111

Reduces clamping capacity to 8fi for ATVs and lawn equipment tires. - requires VSG800A107 wheel clamps

STANDARD PLASTIC TOOL HEAD

VSG800A126

Tool with support



TILTBACK CHANGER with helper arm

R145DR services:



Optional equipment may be required

TECHNICAL DATA	R145 / R145DR
Chuck rotation speed (rev/min)	0-16 rpm / 7.3 rpm (D version) 7.3 rpm (110v version)
Maximum torque to chuck	885 Ft/Lbs (1200 Nm)
Self-centering lock: external	10"-26"
Self-centering lock: internal	12"-28.5"
Tool working span	8"-32"
Maximum tire diameter	45" (1143mm)
Maximum tire width	17" (431mm)
Bead breaker cylinder power at 145 psi	6,745 Ft/Lbs (3060 kg)
Power supply* (Model 145DR) Motor	220v / 1Ø / 60 Hz / 1 Hp

*SHIPS WITH NEMA L6 - 20 PLUG



SCAN CODE FOR PRODUCT VIDEO

R146RP SUPER SWINGARM PRO MAX

HIGH PERFORMANCE / EXTRA-HEIGHT SPEEDCHANGER

The hand controlled R146RP SUPER includes an air-driven PLUS91SA HELPER ARM.

This bead top pressing and tire lifting device for large and special tires features a lower bead lifting roller and pneumatic top bead pressing tool.

NOTE: PLUS91SA IS NOT INSTALLED PRIOR TO DELIVERY

FEATURES

- fl Hand controlled, double-acting bead breaker
- fl Extra large 46fi frame
- fl 110v drive motor supplies needed torque
- fl Air tank located in column
- fl Gear box is supported by steel plates to avoid flex
- fl Removable pedal assembly for easy maintenance
- fl Valve tray
- fl Tire paste lubricant and brush

STANDARD R146R SUPER ACCESSORIES

BEAD PUSHING ROLLER VSG800A59

For PLASTIC mount / demount head

BEAD PUSHING ROLLER VSG800A18

For METAL mount / demount head

STORAGE TRAY VSG800A77

Column mounted

SHOWN: PLUS91SA HELPER ARM



Demounting lower bead

WHEEL LIFT ATTACHMENT VSG800A69

Works with PLUS91SA helper arm to safely lift tire and wheel assemblies



STANDARD R146R SERIES ACCESSORIES

PLASTIC TOOL HEAD

VSG800A60 Tool head with support

VSG800A117 Tool protection kit for metal mount / demount head (2 x kit)

VSG800A6 Clamp Protectors / 24fi - 26fi (4 pcs)

VSG800A11 Bead breaker protection / Qty. of 1

VSG800A11K / Qty. of 5

OPTIONAL ACCESSORIES

VSG800A107 Motorcycle Adapters

+ 5fi from outside



SMALL WHEEL ADAPTER VSG800A111KIT

Reduces clamping capacity to 8fi for ATVs and lawn equipment tires.
- requires VSG800A107 wheel clamps



SHOWN: R146RPS

ADDITIONAL R146 SERIES SWINGARM MODELS

R146R Base Model / Electric Motor

R146RA Base Model / Air Motor

R146RP Base Model / Electric Motor with Helper Arm

R146RAP Base Model / Air Motor with Helper Arm

R146RAPS Base Model / Air Motor with Helper Arm with additional super accessories package



SCAN CODE FOR
R146 PRODUCT
VIDEO

R146R Series services:



Optional equipment may be required

TECHNICAL DATA	R146 SERIES
External clamping	10" - 26"
Maximum torque to chuck	885 Ft/Lbs (1200 Nm)
Internal clamping	12" - 28.5"
Max. tire diameter	45" (1143 mm)
Max. tire width	15" (380 mm)
Max. bead breaker opening	15" (380 mm)
Bead breaker cylinder power at 145 psi	6,745 Ft/Lbs (3060 kg)
Power supply	110v / 1Ø / 60 Hz

SHOWN: R146R



R140i SWINGARM SHOP

TOP QUALITY / ENTRY LEVEL PRICE

Heavy duty swing arm structure with exclusive 110v single speed motor provides needed torque and the rigid self-centering chuck with wide clamping range handles a variety of needs. Equipped with galvanized, double-operating bead breaker cylinder.

FEATURES

- fl Tire Diameters of 40fi
- fl 22fi Outside Clamping
- 24fi Inside Clamping
- fl Removable pedal assembly for easy maintenance
- fl Tire paste lubricant and brush

OPTIONAL UPGRADE PLUS91N HELPER ARM

Bead top pressing and tire lifting device for large and special tires.

STANDARD PLASTIC TOOL HEAD VSG800A60

Tool head with support

OPTIONAL ACCESSORIES

MOTORCYCLE WHEEL CLAMPS

VSG800A99

+ 5fi from the outside for 20fi - 22fi tables

VSG800A111 SMALL WHEEL ADAPTER

Reduces clamping capacity to 8fi for ATVs and lawn equipment tires. Use with rim clamp tire changers only - requires VSG800A99 wheel clamps.

R140i Series services:



Optional equipment may be required

TECHNICAL DATA	R140i
External clamping	11" - 22"
Internal clamping	13" - 24.5"
Max. tire diameter	40.5" (1030 mm)
Max. tire width	12" (305 mm)
Max. bead breaker opening	15" (380 mm)
Bead breaker force	6,745 Ft/Lbs (3060 kg)
Rotation speed	7.3 rpm
Max. torque turntable	885 Ft/Lbs (1200 Nm)
Power supply	110v / 1Ø / 60 Hz

HEAVY DUTY CHANGERS

R501PLUS

SPEEDCHANGER HD

SUPER FAST TIRE CHANGER

Dismount and mount a truck tire in 30 seconds with 4 roller system

Simple tire dismounting: front bead-breakers keep the bead in the drop center while rear breakers continue their course until dismounting is complete.

Four roller system positioned on both sides of the wheel in opposite positions are supported by two separately controlled arms and each has two rollers - one conical which pushes on the bead and one cylindrical which pushes the side of the tire.

FEATURES

- fl Adjustable arm position
- fl Quick loading
- fl Hydraulic clamping / chucking table
- fl Stand-by function- no noise when not in operation
- fl Hydraulic controls
- fl Tire paste lubricant and brush



STANDARD CLAMP PROTECTOR VSG108A2

Protects aluminum wheels / 4x kit

VSG108A3 Tire Lever

OPTIONAL ACCESSORIES



VSG90A6 Aluminum rim clamp



VSG108A22 Disc for wheels with lock ring

HYDRAULIC CLAMPING

4fi (90mm)
Min. clamping
13fi (330mm)
Min. height



SERVICE TIRE DIAMETERS UP TO 52"



SCAN CODE FOR PRODUCT VIDEO

R501 PLUS services:



Optional equipment may be required

TECHNICAL DATA	R501PLUS
Chucking unit rotation motor	2.7 Hp / 2 kW
Hydraulic drive unit motor	1 Hp / 1.5 kW
Maximum tire diameter	52" (1320mm)
Max. tire width	21" (540mm)
Bead breaker power	13,300 Ft./Lbs / 18000 N
Maximum assembly weight	2,645 lbs / 1200 kg
Chuck rotation speed (rev/min)	8
Max. torque to chuck	585 Ft/Lbs / 2600 Nm
Power supply	220v / 3Ø / 60 Hz

R560 MOBILE HD

WORKSHOP SERVICE

Easy to use changer.

This easy-to-use changer is designed for closed vans or small workshops. Controls are protected on changer console and the hydraulic clamping and chucking table are suitable for agricultural tires with optional VSG108A22 wheel disc.



STANDARD ROLLER for tubeless tires



**SERVICE
TIRE DIAMETERS
UP TO 51"**

R560 services:



Optional equipment may be required



STANDARD CLAMP PROTECTOR

VSG108A2
Protects aluminum
wheels / 4x kit



STANDARD BEAD LEVER
VSG108A3 Tire Lever



SCAN CODE FOR
PRODUCT VIDEO

TECHNICAL DATA	R560
Chucking unit rotation motor	1.5 Hp / 1.1 kW
Hydraulic drive unit motor	2.7 Hp / 2 kW
Rim diameter	11" - 27"
Maximum tire diameter	51" (1300mm)
Max. tire width	37.4" (950mm)
Bead breaker power	3,597 Ft/Lbs / 16000 N
Maximum assembly weight	2,845 lbs (1200 kg)
Chuck rotation speed (rev/min)	8
Max. torque to chuck	1253 Ft/Lbs (1700 Nm)
Power supply*	220v / 1Ø / 60 Hz

OPTIONAL ACCESSORIES



VSG90A6
Aluminum rim
clamp



VSG108A22
Disc for wheels
with lock ring

R511 COMMERCIAL HD

SUPER DUTY CHANGER

SERVICE TRUCK, BUS, SUPER SINGLE, AGRICULTURAL and LOCK RING

The operating dimensions of the clamping unit and the head-tool carriage of this changer allows it to service a wide range of wheels. The controls enable users to regulate the speed of the tool holding carriage with lever type hydraulic distributions.

FEATURES

- fl Rotational control on portable wired stand
- fl Cable control unit
- fl Quick locking manual rotation tool
- fl Patented VSG108A3 bead lever
- fl Tire paste lubricant and brush

R511 services:



Optional equipment may be required

TECHNICAL DATA	R511
Chucking unit rotation motor	3 Hp / 2.2 kW
Hydraulic drive unit motor	1 Hp / .75 kW
Rim diameter	11" - 27"
Maximum tire diameter	64" (1640mm)
Maximum tire width	36.4" (925mm)
Chuck rotation speed (rev/min)	8
Power supply*	220v / 1Ø / 60 Hz



HYDRAULIC CLAMPING
4fi (90mm) Min. clamping
13fi (330mm) Min. height



**QUICK MANUAL
ROTATION**

SERVICE TIRE DIAMETERS UP TO 64"



VSG108A2
Standard clamp
protections for
alloy rims / 4 x kit



STANDARD BEAD LEVER
VSG108A3 Tire Lever

R541 COMMERCIAL HD

SINGLE CARRIAGE MOVEMENT

ELECTRO-HYDRAULIC CHANGER FOR TRUCKS, AGRICULTURAL AND EARTHMOVING VEHICLES

The two-speed rotation chucking table can accommodate rims up to 44fi and up to 56fi with VSG108A12 extensions set.



SERVICE TUBE and TUBELESS TIRES



SERVICE TIRE DIAMETERS UP TO 90"



HYDRAULIC ARM MOVEMENT

FEATURES

- fl Double ratcheting locking arm
- fl Rotational control on portable stand
- fl Tire paste lubricant and brush



VSG108A2

Standard clamp protections for alloy rims / 4 x kit

VSG108A3 Tire Lever

R541 services:



Optional equipment may be required

TECHNICAL DATA	R541
Chucking unit rotation motor	1.75 Hp / 1-1.3 kW
Hydraulic drive unit motor	2.95 Hp / 2.2 kW
Rim diameter	11" - 43"
With VSGA108A12 adapters	44" - 56"
Maximum tire diameter	90.5" (2300mm)
Maximum tire width	51" (1300mm)
Chuck rotation speed (rev/min)	4-8
Power supply	220v / 3Ø / 60 Hz

R573 EXTREME HD

SPECIAL ORDER TIRE CHANGER FOR EXTREME WHEEL DIMENSIONS

ELECTRO-HYDRAULIC CHANGER FOR TRUCKS, AGRICULTURAL AND EARTHMOVING VEHICLES

HIGH BEAD BREAKING FORCE

Easy tire mounting and demounting

MULTIPLE ADJUSTABLE GUIDES

Control rotation to avoid tire damage

STAND-BY FUNCTION

After 5 seconds the motor will turn off if not in use

FEATURES

- fl Console cable control unit with metal sheath
- fl Double speed table rotation
- fl Quick locking manual rotation tool
- fl VSB530800 long bead lifting lever
- fl VSG108A25 clamp for earthmoving wheels
- fl Tire paste lubricant and brush



VSG108A2

Standard clamp protections for alloy rims / 4 x kit

OPTIONAL ACCESSORIES

VSG108A13 Rings Lever



VSG108A3 Tire Lever



SERVICE TIRE DIAMETERS UP TO 106"

AUTOMATIC LIFTING and ROTATION



Portable, rotational control stand

HYDRAULIC CLAMPING

4fi (90mm) min. clamping
13fi (330mm) min. height
Service 19fi and 22.5fi truck wheels

Oversized chucking dimension

allows reach to 50fi wheels without extensions. Access wheels from 51fi to 60fi with optional VSG108A39 adapter extensions kit.



R573BT Cordless Controls

Communicates via Bluetooth® transmission

SPECIAL ORDER ONLY / Contact factory for details

R573 services:



Optional equipment may be required

TECHNICAL DATA	R573
Chucking unit rotation motor	2.95 Hp / 2.2 kW
Hydraulic drive unit motor	3.35 Hp / 2.5 kW
Rim diameter	11" - 50"
With VSGA108A39 adapters	51" - 60"
Maximum tire diameter	106" (2700mm)
Maximum tire width	69" (1750mm)
Chuck rotation speed (rev/min)	1 - 5 - 10
Power supply	220v / 3Ø / 60 Hz

OPTIONAL COMMERCIAL HD TIRE CHANGER ACCESSORIES

VSG90A6 Clamp for alloy wheels

VSG108A25 Clamp for steel wheels

VSB530800 Long bead lifting lever

VSG108A34 Pneumatic bead pushing device

R 146 SWING ARM PRO



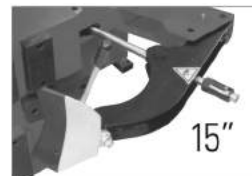
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HIGH PERFORMANCE, HIGH VOLUME, EXTRA-HEIGHT SPEEDCHANGER

*High performance swing arm tire changer for
the high volume tire center.*

Exclusive 110v drive motor provides needed torque for handling today's difficult assemblies. The large and reinforced frame adds greater rigidity to the structure and chucking table.

The gear box is installed between two steel plates avoiding flex during operation. The extra height of the vertical post and tool shaft allow operation on tires to a 15" (381mm) maximum tire width.



EXTRA WIDE (Balloon type)

NEW ARM DESIGN

AIR TANK IN THE COLUMN

EXTRA LARGE FRAME



UPGRADEABLE OPTION

OPTIONAL TOOL HEAD



VSG800A60

Plastic tool head with support for swing arm units.

R146

VALVE TRAY

26" OUTSIDE CLAMPING
8,000 Ft/L lbs. BEAD BREAKER

OPTION PLUS91SA HELPER

Bead top pressing
and tire lifting device
for large and special tires.



LOWER BEAD
DEMOUNTING

OPTIONAL MOTORCYCLE WHEEL CLAMPS



VSG800A107

Wheel reducer adapters
(-2", -4" from the outside)

OPTIONAL SMALL WHEEL ADAPTER VSG800A111

Reduces clamping
capacity to 8"
For ATVs and lawn
equipment tires



Presscast
aluminium pedals
Pedal assembly
can be removed
for easy servicing

PEDAL ASSEMBLY

TIRE DIMENSIONS



10" - 26"



46" (1170 mm)



15" (381 mm)

STANDARD ACCESSORIES / SEE PAGE 5

TECHNICAL DATA	R146
External clamping	10" - 26"
Internal clamping	12" - 28.5"
Max. tire diameter	46" (1200 mm)
Max. tire width	15" (380 mm)
Max. bead breaker opening	15" (380 mm)
Bead breaker cylinder power at 145 psi	6,745 Ft/L lbs (3060 kg)
Power supply	110v / 1Ø / 60 Hz



BP9113000BL

BP9

9,000 lbs. CAPACITY
FEATURES:

Symmetrical column design

Low ceiling two post lift

- 2-stage symmetric arms
- Carriage latch system – engages every 3"
- Secondary lock system includes a spring actuated slack chain locking device
- Dual hydraulic cylinders
- Powder coated finish

INCLUDES LOW-PROFILE THREADED ADAPTERS AND (4 each) ADAPTER EXTENSIONS AT 3.5" and 5"


SPECIFICATIONS BP9113000BL/RD*

Capacity	9,000 lbs. (4082kg)
Overall Height	111-1/4" (2825mm)
Overall Width	138-1/2" (3517mm)
Rise	72" (1828mm)
Maximum Rise	80-1/2" (2044mm) w / 5" extension
Drive Through Clearance	97-1/4" (2470mm)
Width Inside column	111" (2819mm)
Arm Reach (Min/Max)	30" / 46-1/4" (762mm/1174mm)
Minimum Adapter Height	4-1/2" (114mm)
Drive-over Height	1-1/2" (38mm)
Voltage/Amps	208V/230V, 17 amps
Motor/Phase	1ph/2HP
Ceiling Height Required	113" (2870mm)



F10N400MBL

F-10

10,000 lbs. CAPACITY
FEATURES:

Symmetrical column design

Versatile 3-stage front and 2-stage rear arms

- Top mounted Direct-Pull lifting technology
- Cylinder rod concealed inside carriage
- Adjustable width options
- Optional T100295 extended height kit adds 2' of overall height
- Powder coated finish
- Includes adapter storage bracket

INCLUDES LOW-PROFILE DROP-IN ADAPTERS AND (4 each) ADAPTER EXTENSIONS AT 3.5" and 5"


SPECIFICATIONS F10N400MBL/RD*

Capacity	10,000 lbs. (4535kg)
Maximum Rise	76-1/4" (1937mm) w / 5" extension
Overall Height	143" or optional 167" (3632mm/4241mm)
Overall Width	131" or optional 137" (3327mm/3480mm)
Drive through Clearance	99" or optional 105" (2515mm/2667mm)
Overhead Switch Height	137-1/4" (3486mm)
Front Reach (Min/Max)	24-1/2" / 44-3/8" (621mm/1127mm)
Rear Reach (Min/Max)	36" / 58" (914mm/1473mm)
Min/Max Adapter Height	3-3/4" (95mm) w/o adapter extension 8-3/4" (222mm) w / 5" adapter extension
Width Inside Columns	109" or optional 115" (2769mm/2921mm)
Voltage/ Amps	208V/230V, 17 amps
Motor/Phase	1ph/2HP/60Hz
Ceiling Height Required	144" (3658mm)



I10N400MBL

I10

10,000 lbs. CAPACITY
FEATURES:

Symmetrical column design

Spot-Rite™ 3-stage front arm design

Spot vehicles asymmetrically or symmetrically

- Top mounted Direct-Pull lifting technology
- Cylinder rod concealed inside carriage
- Adjustable width options
- Optional T100295 extended height kit adds 2' of overall height
- Powder coated finish
- Includes adapter storage bracket

INCLUDES LOW-PROFILE THREADED ADAPTERS AND (4 each) ADAPTER EXTENSIONS AT 3.5" and 5"


SPECIFICATIONS I10N400MBL/RD*

Capacity	10,000 lbs. (4535kg)
Maximum rise	76-1/4" (1937mm) w/5" extension
Overall Height	143" or optional 167" (3632mm/4241mm)
Overall Width	131" or optional 137" (3327mm/3480mm)
Drive through clearance	99" (2515mm) or optional 105" (2667mm)
Overhead switch height	137-5/8" (3496mm)
Front reach (Min/Max)	23" / 44-3/8" (584mm/1127mm)
Rear reach (Min/Max)	36" / 58" (914mm/1473mm)
Min/Max adapter height	3-3/4" (95mm) w/o adapter extension 8-3/4" (222mm) w / 5" adapter extension
Width inside column	109" or optional 115" (2769mm/2921mm)
Voltage/ Amps	208V/230V, 17 amps
Motor/Phase	1ph/2HP/60Hz
Ceiling height required	144" (3658mm)



F-12

12,000 lbs. CAPACITY

FEATURES:

Symmetrical column design

Four height configuration models
2-stage front and rear arms

- Adjustable width options
- Powder coated finish
- Includes adapter storage bracket

**INCLUDES LOW-PROFILE DROP-IN
ADAPTERS AND (4 each)
ADAPTER EXTENSIONS
AT 3.5" and 5"**



SPECIFICATIONS	F12N300BL/RD*
Capacity	12,000 lbs. (5443kg)
Maximum Rise	77-1/2" (1968mm) w/5" extension
Adjustable Overall Height Options	F82N300 (6mm) Standard F12N301 (11mm) Max. Height F32N302 (2mm) F12N303 (2mm)
Overall Width	140" (3556mm) or optional 146" (3708mm)
Drive through clearance	108-3/4" (2762mm) or optional 102-3/4" (2610mm)
Overhead switch height Options	F82N300 (4067mm) Standard F12N301 (4524mm) Extended F42N302 (3762mm) F32N303 (3483mm)
Front reach (Min/Max)	35" / 54" (889mm/1372mm)
Rear reach (Min/Max)	35" / 54" (889mm/1372mm)
Min/Max Adapter Height	4-3/4" (121mm) w/o extension 9-3/4" (248mm) w/5" extension
Width Inside Columns	120-7/8" (3070mm) Adjustable 114-7/8" (2918mm) Standard
Voltage/Amps	208V/230V, 17 amps
Motor/Phase	1ph/2HP/50Hz; 1ph/2HP/60Hz
Ceiling Height Required	168" (4267mm)



I-12 PRO

12,000 lbs. CAPACITY

FEATURES:

Symmetrical column design

Four height configuration models
Versatile 3-stage front and rear arms

- Adjustable width options
- Models for most ceiling heights
- Powder coated finish
- Includes adapter storage bracket

**INCLUDES LOW-PROFILE DROP-IN
ADAPTERS AND (4 each)
ADAPTER EXTENSIONS
AT 1.75", 3.5" and 5"**



SPECIFICATIONS	I12N300BL/RD*
Capacity	12,000 lbs. (5443kg)
Maximum Rise	80-3/4" (2051mm) with 5" Extension
Adjustable Overall Height Options	I12N300 (6mm) Standard I12N301 (11mm) Max. Height I12N302 (2mm) I12N303 (2mm)
Overall Width	140" (3556mm) or optional 146" (3708mm)
Drive through clearance	108-3/4" (2762mm) or optional 102-3/4" (2610mm)
Overhead Switch Height Options	I12N300 (4067mm) Standard I12N301 (4524mm) Extended I12N302 (3762mm) I12N303 (3483mm)
Front Reach (Min/Max)	27-3/4" / 59" (705mm/1460mm)
Rear Reach (Min/Max)	27-3/4" / 59" (705mm/1460mm)
Min/Max Adapter Height	4-3/4" (121mm) w/o extension 9-3/4" (248mm) w/5" extension
Width inside Columns	120-7/8" (3070mm) Adjustable 114-7/8" (2918mm) Standard
Voltage/Amps	208V/230V, 17 amps
Motor/Phase	1ph/2HP/50Hz; 1ph/2HP/60Hz
Ceiling Height required	168" (4267mm)



DP15

15,000 lbs. CAPACITY

DP18

15,000 lbs. CAPACITY

FEATURES:

Symmetrical column design
Three height configuration models
2-stage front and rear arms

- Top mounted Direct-Pull lifting technology
- Powder coated finish
- Includes adapter storage bracket

**INCLUDES LOW-PROFILE
THREADED ADAPTER PADS AND
(4 each) ADAPTER EXTENSIONS
AT 5" and 10"**



SPECIFICATIONS	DP15N000BL/RD* DP18N000BL/RD*
Capacity	15,000 lbs. (6803kg) 18,000 lbs. (8164kg)
Maximum Rise with 10" Adapter Extensions	83" (2120mm)
Overall Height	DP15 / DP18 (000) DP15 / DP18 (001) DP15 / DP18 (002)
Height to Shut-Off	147-1/4" (3735mm)
Overall Floor Width	154-3/8" (3921mm)
Width Inside Columns	119-5/8" (3038mm)
Drive Through Clearance	108-1/4" (2750mm)
Arm Reach (Min/Max)	38" / 61" (965mm/1549mm)
Min. Adapter Height	5-1/2" (139mm)
Max. Adapter Height with 10" Extension	15-1/2" (393mm)
Voltage/Amps	208V/230V, 17 amps
Motor/Phase	1ph/2HP
Ceiling Height Required	155-3/4" (3956mm)



Shown: FSA14N0110BL

FSA14 ALIGNMENT LIFT FEATURES:

- Configured for vehicles with longer wheelbases with oversized slip plates and adjustable radius gauge pockets.
- Four-wheel alignments with wheelbases from 85.5" up to 193"
- Two 7,000 lbs. Rolling Jacks, Two Turning Radius Gauges included
- Air actuated locking rear slip plate

FS14

**14,000 lbs. Capacity
General Service**

FSA14

**14,000 lbs. Capacity
Alignment Service**

FEATURES:

- 18' runways accommodate a range of wheelbases
- Open scissor design = greater vehicle access
- 198" max wheel base for general service
- Folding ramps with rear wheel chocks
- 40" between platforms for more access
- 25-1/2" wide runways
- Recessed / surface mount options

SPECIFICATIONS	Alignment Models FSA14N0110BL/RD* Gen. Service Model FS14N0010BL/RD*
Maximum Rise**	72 - 3/4" surface mounted
Maximum Wheelbase	198"
Minimum 4 Wheel Alignment	85-1/2" NA
Maximum 4 Wheel Alignment	193" NA
Lowered Height	10 - 3/4"
Overall Length	277"
Overall Width	91"
Runway Width	25 - 1/2"
Width Between Platforms	40"
Runway Length	216"
Motor / Voltage	Single Phase - 5 HP / 230V
Time of Full Rise	77 seconds
Compressed	85 - 110 psi

* Lifts are available in blue and red - power unit consoles are gray ** Surface mounted lift.



FS77N0000MBL

FS77

7,700 lbs. Capacity

FEATURES:

- Exclusive Inverse Piston Synchronization equalization system ensures worry-free use
- Low drive-over height allows for easy vehicle positioning
- 24-3/4" wide platforms accommodate a wide range of vehicles and pickup points
- Hinged ramps drop down to a 65 degree angle for easy access for wheel and brake service
- Durable, diamond plate finish
- Patent pending equalization system
- Surface or flush mounted option

SPECIFICATIONS	FS77N0000MBL/RD*
Capacity	7,700 lbs. (3500kg)
Maximum Rise	78-5/8" (2000mm) surface mounted 74-1/2" (1895mm) recessed mounted
Lowered Height	4-1/8" (105mm)
Overall Width	85" (2159mm)
Overall Length	85" (2159mm)
Platform width	24-3/4" (629mm)
Width Between Platforms	23-5/8" (600mm)
Platform Length	59" (1499mm) 85" (2159mm) w/ramps extended
Ramp Length	13" (330mm)
Max. Distance from Console to Lift	85" (2159mm)
Voltage	230V
Motor/Phase	1ph/4HP/60Hz
Rise Time	39 seconds
Compressed Air Connection	85-110psi



CRA14
CRA14N201YBL

CR14

**14,000 lbs. Capacity
General Service**

CRA14

**14,000 lbs. Capacity
Alignment Service**

FEATURES:

- Two model lengths available
- 78-3/4" rise height provides better vehicle service access
- Heavy duty high-performance cable and sheaves system
- Easy to use single point lift operation with one button air operated lock release
- Multi-position lock components allow lift to be level at any lock position
- Self-chocking 41" approach ramps with protective strips
- Durable powder coat finish

CR LIFT SERIES OPTIONS:

- Drive-through ramps
- 3-phase motor
- Runway lighting

CR14 LIFT OPTIONS:

- Bolt-on, runway alignment kit with turning radius gauges
- Two 7,000 lbs. Rolling Jacks
- Internal airline kit

CRA14 INCLUDES:

- Two (2) 7,000 lbs. Capacity Rolling Jacks
- Carbon steel front radius plates
- Self-chocking 41" approach ramps with protective strips
- Rear wheel slip plates
- Internal airline standard
- FLR (filter, lubricator, regulator)

SPECIFICATIONS	CR14N201YBL/RD* CR14N202YBL/RD*	CRA14N201YBL/RD* CRA14N202YBL/RD*
Capacity	14,000 lbs. (6350kg)	14,000 lbs. (6350kg)
Maximum Wheelbase	182-1/2" (4635mm) 215" (5461mm)	182-1/2" (4635mm) 215" (5461mm)
Maximum Two Wheel Alignment	N/A	166-1/4" (4225mm) 199-1/4" (5060mm)
Maximum Four Wheel Alignment	N/A	157" (3987.8mm) 172-1/4" (4375mm)
Minimum Four Wheel Alignment	N/A	88" (2235mm)
Rise	78-3/4" (2000mm)	80-3/4" (2000mm)
Overall length	250" (6350mm) 283" (7188mm)	250" (6350mm) 283" (7188mm)
Overall width	131-3/4" (3346mm)	131-3/4" (3346mm)
Width Inside Columns	116-1/4" (2953mm)	116-1/4" (2953mm)
Length between Columns	195-1/4" (4959mm) 228-1/4" (5798mm)	195-1/4" (4959mm) 228-1/4" (5798mm)
Overall height	90-1/2" (2281mm)	90-1/2" (2281mm)
Runway width	20" (508mm)	20" (508mm)
Runway Height	7" (178mm)	9" (228mm)
Width Between Runways	43" (1092mm) or 46" (1168mm)	43" (1092mm) or 46" (1168mm)
Front of Runway to Center of Radius Gauge	N/A	22-11/16" to 52-11/16" (576mm-1338mm)
Rise Time	72 seconds	72 seconds
Motor	2HP	2HP
Minimum Bay Size	15' x 26' (4572mm x 7925mm) 15' x 28' (4572mm x 8534mm)	15' x 26' (4572mm x 7925mm) 15' x 28' (4572mm x 8534mm)

CRO14

14,000 lbs. Capacity
General Service

OR14

14,000 lbs. Capacity
Alignment Service

OPEN FRONT LIFTS

FEATURES:

Two model lengths available
Open front allows greater vehicle access

- 80-3/4" rise height provides better vehicle service access
- Patented articulating shaft design ensures even roller loading
- Heavy duty high-performance cable and sheaves system
- Durable powder coat finish

LIFT OPTIONS:

- Drive-through ramps
- LED runway light kit
- 3-phase motor



OR14

OR14N100YBL

OR14 INCLUDES:

- Two (2) 7,000 lbs. Capacity Rolling Jacks
- Carbon steel front radius plates
- Self-chocking 41" approach ramps
- Rear wheel slip plates
- Internal airline standard
- FLR (filter, lubricator, regulator)

SPECIFICATIONS	CRO14N201YBL/RD* CRO14N202YBL/RD*	OR14N101YBL/RD* OR14N102YBL/RD*
Capacity	14,000 lbs. (6350kg)	14,000 lbs. (6350kg)
Maximum Wheelbase	182-1/2" (4635mm) 215" (5461mm)	182-1/2" (4635mm) 215" (5461mm)
Maximum Two Wheel Alignment	N/A	176 1/4" (4476mm) 209" (5308mm)
Maximum Four Wheel Alignment	N/A	164 3/4" (4184mm) 164 3/4" (4184mm)
Minimum Four Wheel Alignment	N/A	89" (2260mm) 89" (2260mm)
Rise	78 3/4" (2000mm)	78 3/4" (2000mm)
Overall length	253" (6426mm) 286" (7264mm)	253" (6426mm) 286" (7264mm)
Overall width	140-1/2" (3567mm)	140-1/2" (3567mm)
Width Inside Columns	116-1/4" (2953mm)	116 1/4" (2953mm)
Length between Columns	194-3/4" (4946mm) 227-3/4" (5784mm)	194-3/4" (4946mm) 227-3/4" (5784mm)
Overall height	109-1/16" (2770mm)	109-1/16" (2770mm)
Runway width	20" (508mm)	20" (508mm)
Runway Height	7" (178mm)	7" (178mm)
Width Between Runways	43" (1092mm)	43" (1092mm)
Front of Runway to Center of Radius Gauge	N/A	16" to 20" (457mm-609mm)
Rise Time	79 seconds	79 seconds
Motor	2HP	2HP
Minimum Bay Size	15' x 26' (4572mm x 7925mm) 15' x 28' (4572mm x 8534mm)	15' x 26' (4572mm x 7925mm) 15' x 28' (4572mm x 8534mm)

CR18

18,000 lbs. Capacity
General Service

CRA18

18,000 lbs. Capacity
Alignment

FEATURES:

Two model lengths available

- Multi-position lock system
- Non-skid surface on runways

CR18 LIFT OPTIONS:

- Bolt-on alignment kits
- Internal airline kit
- Drive-through ramps
- Rolling jacks
- LED runway light kit
- 30 Gallon oil drain pan
- 3-Phase motor
- Power unit cover



CR18N000BL

CRA18 ALIGNMENT LIFT FEATURES:

- Four wheel alignment wheelbase range from 63" up to 177"
- Two 9,000 lbs. Rolling Jacks included
- Two turning radius gauges included

CRA18 LIFT OPTIONS:

- LED runway light kit
- 30 Gallon oil drain pan
- 3-Phase motor
- Power unit cover

SPECIFICATIONS	CR18N000BL/RD* CR18N001BL/RD*	CRA18N110BL/RD* CRA18N111BL/RD*
Capacity	18,000 lbs. (8165kg)	18,000 lbs. (8165kg)
Rise	68" (1727mm)	68" (1727mm)
Maximum Wheelbase	194" (4928mm) 230" (5842mm)	194" (4928mm) 230" (5842mm)
Maximum Two Wheel Alignment	N/A	177" (4496mm) 213" (5410mm)
Min/Max Four Wheel Alignment	N/A	63" / 162" (1600mm/4115mm) 68" / 198" (1727mm/5029mm)***
Overall Length	275-3/16" (6990mm) 311-3/16" (7904mm)	275-3/16" (6990mm) 311-3/16" (7904mm)
Overall Width	137-3/4" (3498mm)	137-3/4" (3498mm)
Width Inside Columns	122" (3098mm)	121-1/2" (3086mm)
Length Between Columns	212" (5385mm) 248" (6299mm)	212" (5385mm) 248" (6299mm)
Overall Height	77-3/4" (1975mm)	77-3/4" (1975mm)
Runway Width	22" (559mm)	22" (559mm)
Runway Height	7-1/2" (191mm)	7-1/2" (191mm)
Width Between Runways (Min/Max)	43" / 46" (1092mm/1168mm)	43" / 46" (1092mm/1168mm)
Rise Time	105 seconds	105 seconds
Voltage**	208V/230V	208V/230V
Motor	2HP	2HP
Minimum Bay Size	16' x 27' (4877mm x 8230mm) 16' x 30' (4877mm x 9144mm)	16' x 27' (4877mm x 8230mm) 16' x 30' (4877mm x 9144mm)

Single phase standard *Runway radius pockets and slip plates must be reinstalled to fit smaller wheelbases

CR30

30,000 lbs. Capacity

FEATURES:

- Two model lengths available
- 24" wide runways
- Standard 3-phase motor
- Internal air line kit

LIFT OPTIONS:

- Turning radius gauges
- Rolling jacks
- Drive-through ramps
- LED runway light kit
- 30 Gallon oil drain pan
- 3-Phase motor



Shown CR30110100BL with optional rolling bridge jacks

Shown CR30110100BL with optional rolling bridge jacks

SPECIFICATIONS	CR30110100BL/RD* / CR30110200BL/RD*
Capacity	30,000 lbs. (12701kg)
Rise	68" (1727mm)
Maximum Wheelbase	271" (6925mm)
Overall Length	2443/2448" (6206/6208mm)
Overall Width	149-13/16" (3780mm)
Width Inside Columns	132" (3353mm)
Length Between Columns	2852/2772" (7290/7058mm)
Overall Height	84-3/4" (2153mm)
Runway Width	24" (610mm)
Runway Height	8-3/8" (213mm)
Min. / Max. Width Between Runways	41" / 48" (1041mm/1219mm)
Rise Time	105 seconds
Voltage**	208V/230V
Motor	4HP
Minimum Bay Size	16' x 33' (4877mm x 10059mm)

**Single phase standard


EFP8P000M

EFP8

8,000 lbs. Capacity

EFP9

9,000 lbs. Capacity

FEATURES:

- Commercial grade lifts.
- Perfect for home use
- Exclusive adjustable lock ladder system
- Multi-position locks allow runways to be level at any lock position
- Single point lock release
- Powder coat finish
- Lifts available in black only

INCLUDES:

- Steel approach ramps
- Wheel caster kit
- Jack tray
- Drip trays

SPECIFICATIONS	EFP8P000M	EFP9P000M
Capacity	8,000 lbs. (3628kg)	9,000 lbs. (4082kg)
Rise	72" (1828mm)	84" (2133mm)
Overall length with ramps	207-1/2" (5270mm)	225-1/2" (5727)
Overall length without ramps	175-1/2" (4457mm)	192-1/2" (4889)
Overall width without motor	103-1/2" (2628mm)	121" (3073)
Approach ramp Length	32" (812mm)	36-1/4" (920mm)
Runway width	18-1/2" (469mm)	20" (508mm)
Runway length	169-1/2" (4305mm)	188" (4775)
Runway height	4-1/2" (114mm)	4-3/4" (120mm)
Height of columns	81-1/2" (2070mm)	97" (2463mm)
Clearance between columns	94" (2387mm)	109-1/2" (2781)
Clearance between runways	38" (965mm)	39" (990mm)
Outside runway to outside runway	74" (1879mm)	79" (2006mm)
Clearance under runway	68" (1727mm)	79-1/4" (2012mm)
Motor	115VAC, 1HP	115VAC, 1HP

Mobile Columns

HEAVY DUTY PORTABLE LIFTING SYSTEMS

FEATURES

Two, four or six mobile column configurations can accommodate heavy duty trucks up to 108,000 pounds.

WIRELESS or WIRED OPERATION!

The power and mobility to make repairs anywhere in your shop!

Battery operated DC power with 110V on-board charger

- Locks in each column
- Automatic steering / braking system
- Adjustable lifting forks
- Usuable on any concrete surface
- Retractable cord reels with quick connect cables / wired models

PATENTED CONTROL SYSTEM OFFERS:

- Position memory to configure repeatable lifting cycles
- Visual confirmation of each column's status
- Level lifting within 3" at each column
- Oversized "E-Stop" emergency stop button
- Audible descent alarm for added safety
- Programmable height limiter
- Battery indicator

LIFT OPTIONS:

- Drive-on runway assembly kits
- High efficiency LED light kit
- Weight gauge
- Large wheel riser kit


FCHW418
FCHW418U200
WIRELESS MODEL


FCHW18

18,000 lbs.
Column Capacity


FCH413
FCH413U100RD
WIRED MODEL

FCHW13

13,000 lbs.
Column Capacity


FCHW213U100

SPECIFICATIONS*	FCHW218	FCHW418	FCHW618
Column configuration	2	4	6
18,000 lb. Capacity	36,000 lbs. (16,330kg)	72,000 lbs. (32658kg)	108,000 lbs. (48987kg)
SPECIFICATIONS*	FCHW213	FCHW413	FCHW613
Column configuration	2	4	6
13,000 lb. Capacity	26,000 (11793kg)	52,000 lbs. (23587kg)	78,000 lbs. (35380kg)
Rise	69" (1760mm)		
Column width	FCH18 - 45-1/2" (1156mm) FCH13 - 43" (1092mm)		
Wheel rim size	9" to 25" (228 to 610mm)		
Clearance Fork to Column	10" (254mm)		
Rise Time	FCH18 - 78 seconds FCH13 - 68 seconds		
Charging Voltage	110v charger** 2.5 amps		

*Wireless models ** Call factory for alternate voltage
Wired column options available / Lifts available in red only
Specifications subject to change without notice or liability

6000MRL

6,000 lbs. Capacity

FEATURES:

- Portable, space-saving scissor-style design
- Dual hydraulic cylinders
- Swing arms with pad adapters
- Seven locking positions from 6 - 1/2" to 54"



Four tall adapters included

SPECIFICATIONS	6000MRLBK
Capacity	6,000 lbs. (2721kg)
Maximum Rise	54" (1372mm)
Lowered Height	5" (127mm)
Overall Width	41" (1041mm)
Overall Length	83" (2108mm)
Voltage	115v
Shipping Weight	1,000 lbs. (453kg)

Lifts available in black only

MID / LOW RISE LIFTS

6,000 lbs. to 10,000 lbs. CAPACITIES

TL07

7,000 lbs. Capacity

TL10

10,000 lbs. Capacity

FEATURES:

Drive-over ramps and side rails provide the width to support wider vehicles while approaching and exiting the lift.

- Dual lifting cylinders provide the required power
- The TL07 comes with four 3" rubber blocks and four 1.5" rubber blocks for added height
- The TL10 comes with four 3-position adapters, four 3" rubber blocks and four 1.5" rubber blocks for added height



TL07111000BL



TL10111000BL

SPECIFICATIONS	TL07111000BL/RD*	TL10111000BL/RD*
Capacity	7,000 lbs. (3175kg)	10,000 lbs. (4535kg)
Overall Length	90-1/2" (2298mm)	90-1/2" (2298mm)
Overall Width	78-1/2" (1993mm)	78-1/2" (1993mm)
Width Between Platforms	22-3/4" (577mm)	22-3/4" (577mm)
Length of Platforms	51-1/4" (1301mm)	51-1/4" (1301mm)
Length of Pad	17" (431mm)	22-3/4" (577mm)
Outside Width of Platforms	70-3/4" (1797mm)	70-3/4" (1797mm)
Horizontal Movement During Rise	16" (406mm)	16" (406mm)
Collapsed Height	4" (101mm)	4" (101mm)
Locking Leg Heights	13-3/8" (339mm) 17-3/8" (441mm) 21-3/8" (542mm)	13-3/8" (339mm) 17-3/8" (441mm) 21-3/8" (542mm)
Voltage/Amps	115V, 20 amps	115V, 20 amps
Speed of Rise	40 seconds	40 seconds
RISE HIGH STEP	N/A	30-5/16" (769mm)
RISE MID STEP	N/A	28-5/16" (719mm)
RISE LOW STEP	N/A	26-5/16" (668mm)
RISE TALL PAD	24-3/4" (629mm)	24-3/4" (629mm)
RISE SHORT PAD	23-1/4" (590mm)	23-1/4" (590mm)
RISE FLAT	21-3/4" (552mm)	21-3/4" (552mm)

MOTORCYCLE LIFTS

1,000 lbs. CAPACITIES

1000MCL

1,000 lbs. Capacity

1000MCLDT

1,000 lbs. Capacity

DROP TAIL



1000MCLMFBK



DROP TAIL
1000MCLDTMFBK

1000MCLDT FEATURES:

- DROP TAIL model - Removable rear drop-tail panel for wheel and tire service
- 1,000 lbs. capacity wheel service jack included

FEATURES:

- Two 12" removable side platform extensions create a 48" wide runway deck
- Adjustable front wheel vise
- Foot pedal controlled air valve
- Portable

SPECIFICATIONS	1000MCLMFBK 1000MCLDTMFBK
Capacity	1,000 lbs. (435kg)
Maximum Rise	33" (839mm)
Lowered Height	7-1/4" (184mm)
Overall Width	24" (610mm) w/side extensions
Overall Length	113" (2870mm) w/ramp 93" (2362mm) w/o ramp
Compressed Air Connection	90 - 110psi
Shipping Weight	690 lbs. (313kg)

Lifts available in black only

LIFT ACCESSORIES *PRODUCTIVITY AND PERFORMANCE*

TWO POST LIFTS

- T100295 Extended Height Kit** / Column extension kit adds 2' of overall height to standard lift. Includes hoses, cables and hardware / For I10, F10, DP10 lifts
- T100285 Adjustable Frame Contact Adapter** (Qty 4 T1105642N with storage brackets) For I10, DP10 Lifts
- FJ6263** Wide drop in adapter for DP10/I10 lifts with 1-1/4" diameter pilot for lifting 2019 Chevrolet and GM Pick-ups / Includes two (2) FJ6248 adapters and two (2) FJ6262 1-1/4" to 1-1/2" adapter extenders / 1-3/4" tall
- FJ6245YKIT** Kit of four FJ6245Y Round Rubber Adapters with storage bracket
- TPB10-D** Door Bumper Kit (Pair) for I10 Lifts
- FA5974** Wheel Wing Kit (Set of 2) includes 2 dishes, shims, adjustable to fit various 2 post lifts. 100 lb. capacity per wing. The wheel wing holds a tire at lift arm height - handy for tire rotations and brake jobs.
- FA5702** Handheld Rechargeable Tech Light
- FA5701** 2-Post Light Kit, two (2) 32" long light wands with 95 LEDS each. 8 magnetic clips included. Input voltage 100-240V AC
- FA5911BK** Air/ Electric Work Station with Filter/Regulator/Lubricator

DRIVE-ON LIFTS

- FA915KIT** Air/ Electric Work Station With Filter/Regulator/Lubricator for 4 post lifts
- S100177** Air / Lube / Regulator Kit for CR14 / CR014 / CR014EL2
- FA5700** 4-Post Light Kit, four (4) 48" long light wands with 216 LEDS each. 8 magnetic clips included. Input voltage 100-240V AC
- FA7815** Laser Guided Spotting Kit for 2 Post and 4 Post Lifts - Motion activated vehicle spotting system. Complete with motion sensor, mounting hardware and instructions.

ROLLING JACKS

- RJ35BK** Hydraulic Hand Pump Rolling Jack / EFP8 Lift / 3,500 lbs. CAPACITY
- RRJ45G** Hydraulic Hand Pump Rolling Jack / EFP9 Lift / 4,500 lbs. CAPACITY
- RJ7100Y-XBK** Pneumatic/Hydraulic Rolling Bridge. Used on FA77 / 7,000 lbs. CAPACITY
- RRJ70GBK** Pneumatic / Hydraulic Rolling Jack / 7,000 lbs. CAPACITY
- RJ901000YBK** Pneumatic / Hydraulic Rolling Jack for use with CR14 Lift models with Jack Rails / 9,000 lbs. CAPACITY
- RJ151BK** Pneumatic / Hydraulic Rolling Jack for use with CR30 Lift models with Jack Rails / 15,000 lbs. CAPACITY
- FC5793YL** Low Profile Adapter for RJ151
- RJ153BK** Pneumatic / Hydraulic Rolling Jack for use with CR30 Lift 1-3/4" lower profile than RJ151BK, with universal adapters / 15,000 lbs. CAPACITY
- RJ14001LBK** Pneumatic / Hydraulic Rolling Jack / CR30 Lift / 14,000 lbs. CAPACITY
- RJ22002LBK** Pneumatic / Hydraulic Rolling Jack / CR30 / 22,000 lbs. CAPACITY
- RJ3001000LBK** Pneumatic / Hydraulic Rolling Jack / CR50/60 / 30,000 lbs. CAPACITY
- FC5760-14** Airline Kit for CR14 / CR014 / CR014EL2

RAMP KITS

- SRS1600/RWG** FS14/FSA14 Extended Ramps
- S100142Y** 24" Runway (Track) Extension Kit for CR14 lifts
- S100150Y** STANDARD Approach / Drive Thru Ramps (Set of Two) For CR14 Lifts
- S100151Y** STANDARD Approach / Drive Thru Ramps (Set of Two) For CR014 / OR14 / CR14EL Lifts
- S100152Y** EXTENDED Approach / Drive Thru Ramps (Set of Two) For CR14 Lifts
- FC5825BK** STANDARD Approach / Drive Thru Ramps (Set of Two) For CR18
- S100013** EXTENDED Approach / Drive Thru Ramps (Set of Two) For CR18
- FC5780-3** 24" Wide, 47" Long Floor Mounted Approach / Drive Thru Ramps (Qty of 1) For CR30 Models
- FC5781-7** 24" Wide, 72" Long Floor Mounted Approach / Drive Thru Ramps (Qty of 1) For CR30 Models
- M140133RD** Drive-Thru Ramp Kit for 35,900 pound runway lifts
- M140099RD** Drive-Thru Ramp Kit for 60,000 pound runway lifts
- APRAMP100TKITRD** Drive-Thru Ramp Kit - 10' Ramps for low profile vehicles For CR50 / CR60 Lifts

ALIGNMENT LIFT OPTIONS

- S100136M** CR14 / CR014 Bolt On Alignment Kit / 14K General Service Lift to Alignment Lift - DOES NOT INCLUDE FRONT TURN PLATES.
- S100137M** CR14EL / CR014EL Bolt On Alignment Kit / 14K General Service Lift to Alignment Lift - DOES NOT INCLUDE FRONT TURN PLATES.
- S100183** Efficiency Kit for CR14 / CR014 Lifts - Includes 2 rolling jacks and internal air line kit
- S100182** CR18 Bolt On Alignment Kit / 18K General Service Lift to Alignment Lift
- S100139** CR18-3 Bolt On Alignment Kit / 18K General Service Lift to Alignment Lift
- S100184** Efficiency Kit for CR18 Lifts - Includes two rolling jacks and internal air line kit
- TT1000YKIT** Standard Turning Radius Gauge Kit / Includes Two (2) Turning Radius Gauges and Four Retaining Bars / 4,500lbs. Capacity per Gauge (2041kg)
- TT1001KIT** Stainless Steel Turning Radius Gauge Kit / Includes Two (2) Turning Radius Gauges and Four Retaining Bars / 3,000lbs. Capacity per Gauge (1360kg)
- PK304FC7117Y** Turntable Spacer for Image Aligners - Roll Back Kit / Set of Two (2)

DRAIN PANS

- FC5967BK** Gallon Mobile Oil Drain Pan for CR14,OR14, CR18 Lifts
- FC5968BK** Low Profile 30 Gallon Mobile Oil Drain Pan for CR30 Lifts

LOW RISE LIFTS

- FJ2428** 3" rubber adapter pad for TL07 and TL10 lifts
- FJ2427** 1.5" rubber adapter pad for TL07 and TL10 lifts
- TL-7000** Rubber adapter pads, 3-position rubber block adapter for TL10 lift

MOTORCYCLE

- BJ10BK** Jack for Motorcycle lift

MOBILE COLUMN LIFTS

- M140015KITRD** Drive-on runway assembly for use with FCH418 60,000 lbs. capacity. 33' Runways / Includes airline kit.
- M140101KITRD** Drive-on runway assembly for use with FCH418 60,000 lbs. capacity. 28' Runways / Includes airline kit.
- M140129RD** Drive-on runway assembly for use with FCH413 35,900 lbs. capacity. 30' Runways / Includes airline kit.
- M140130RD** Drive-on runway assembly for use with FCH413 35,900 lbs. capacity. 25' Runways / Includes airline kit.
- ML41Y** Saddle Cross Beam With Two (2) Support Blocks for frame pick-up 32,000 lbs Capacity at 72" adapter spread. 24,000 lbs. Capacity at 49" adapter spread.
- M140070YL** Low Profile Cross Beam with Two (2) Support Blocks for frame pick-up 30,000 lbs Capacity at 49" adapter spread. 21,000 lbs. Capacity at 25" adapter spread.
- M140078YL** Fore and aft, frame engaging lift kit for use with two FCH413 columns Maximum capacity 7,500 lbs per column
- M140168YL** Fore and aft, frame engaging lift kit for use with two FCH418 columns Maximum capacity 9,000 lbs per column
- RS36SYL** Jack Stand, Screw-Type Adjustable 55.31" - 82.28" 36,000 lbs capacity
- RS20SYL** Jack Stand, Screw-Type Adjustable 55.31" - 82.28" 20,000 lbs capacity
- M120304BK** Riser Kit - Tire ramps to allow proper fork placement (per column)
- M140157** Weight gauge for Monarch power unit (per column) FCH18 lifts
- M140107** Weight gauge for Monarch power unit (per column) FCH13 lifts
- M140024** Wireless upgrade kit, for FCH18, field install
- M140166RD** Bolt Down Kit for (1) FCH13 Mobile Column Four 3/4" x 5 1/2" anchors not included
- M140165RD** Bolt Down Kit for (1) FCH18 Mobile Column Four 3/4" x 5 1/2" anchors not included



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Oil Pump Selection Guide



Pump Family and Fluid Pressure Ratio	Typical Applications	Annual Usage	Line Length	Simultaneous Dispense Points	Approx. Free Flow Rate @ 100 psi	Air Inlet	Fluid Inlet	Fluid Outlet	Air Operation Range
Fast-Ball, 1:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	5,000 gal (19,00 l)	< 100 ft (30 m)	1 (no reels)	5 gpm (19 lpm)	1/4 NPT(F)	1-1/2 NPT(F)	3/4 NPT(F)	40-80 psi (2.7-12.5 bar)
LD, 3:1 	- Automotive dealerships - Fast lube centers - Lube trucks - Lubricant transfer - Service shops	20,000 gal (75,000 l)	300 ft (91 m)	1 to 2	7.8 gpm (30 lpm)	1/4 NPT(F)	1 NPT(F)	1/2 NPT(F)	20-150 psi (1.37-10.3 bar)
LD, 5:1 	- Automotive dealerships - Fast lube centers - Lube trucks - Lubricant transfer - Service shops	20,000 gal (75,000 l)	300 ft (91 m)	1 to 2	6.7 gpm (25 lpm)	1/4 NPT(F)	1 NPT(F)	1/2 NPT(F)	20-150 psi (1.37-10.3 bar)
Mini Fire-Ball 225, 3:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	30,000 gal (113,500 l)	250 ft (76 m)	1 to 2	8.3 gpm (32 lpm)	3/8 NPT(F)	1-1/2 NPT(F)	1/2 NPT(F)	40-180 psi (2.8-12 bar)
Fire-Ball 300, 5:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	35,000 gal (132,000 l)	500 ft (152 m)	1 to 3	12.1 gpm (46 lpm)	3/8 NPT(F)	1-1/2 NPT(F)	1/2 NPT(F)	40-180 psi (2.8-12 bar)
Fire-Ball 425, 3:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	> 35,000 gal (132,000 l)	Up to 250 ft (76 m)	3 to 4	28.7 gpm (109 lpm)	1/2 NPT(F)	1-1/2 NPT(F)	3/4 NPT(F)	40-180 psi (2.8-12 bar)
Fire-Ball 425, 6:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	> 35,000 gal (132,000 l)	Up to 500 ft (152 m)	3 to 4	17.1 gpm (65 lpm)	1/2 NPT(F)	1-1/2 NPT(F)	3/4 NPT(F)	40-180 psi (2.8-12 bar)
Fire-Ball 425, 10:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	> 35,000 gal (132,000 l)	Up to 750 ft (228.6 m)	3 to 4	11.7 gpm (44 lpm)	1/2 NPT(F)	1-1/2 NPT(F)	3/4 NPT(F)	40-180 psi (2.8-12 bar)

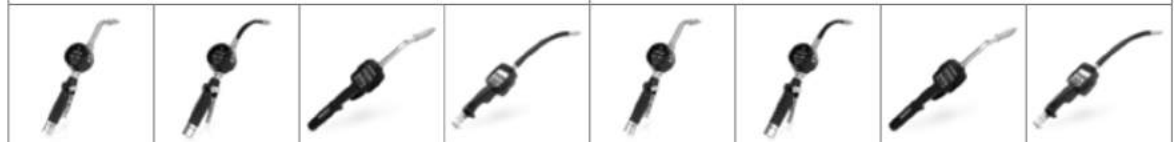
LD Series 3:1 Oil Pump Packages



Ordering Information

Mobile Oil Packages – Cart

Air regulator (part 24H420 – ordered separately) must be used for LD pump thermal relief function.



Package Number	24H751	24H750	24H753	24H752	24H775	24H774	24H777	24H776
Ratio	3:1	3:1	3:1	3:1	3:1	3:1	3:1	3:1
Pump Part Number	24G576	24G576	24G576	24G576	24G576	24G576	24G576	24G576
Suction Tube Size	200 L	200 L	200 L	200 L	200 L	200 L	200 L	200 L
Pump Downtube	16F886	16F886	16F886	16F886	16F886	16F886	16F886	16F886
Meter Type	Manual	Manual	Preset	Preset	Manual	Manual	Preset	Preset
Meter Part Number	25C903	25C904	256216	255277	25C903	25C904	256216	255277
Meter Extension	Rigid	Flexible	Rigid	Flexible	Rigid	Flexible	Rigid	Flexible
Hose Kit	24J495	24J495	24J495	24J495	24H865	24H865	24H865	24H865
Hose Reel Type	LD	LD	LD	LD	–	–	–	–
Hose Size	1/2 in x 35 ft	1/2 in x 35 ft	1/2 in x 35 ft	1/2 in x 35 ft	–	–	–	–
Hose Reel	24H662	24H662	24H662	24H662	–	–	–	–
55 gal Cart	24F915	24F915	24F915	24F915	24F915	24F915	24F915	24F915
Instruction Manual	3A1335	3A1335	3A1335	3A1335	3A1335	3A1335	3A1335	3A1335
CE Package*	24H763	24H762	24H765	24H764	24H787	24H786	24H789	24H788

*CE packages include 2-way vented valve (BSP: 125041 / NPT: 110223) and air regulator (BSP: 24H419 / NPT: 24H420).



Package 24H775 installed on a 55 gallon drum (not included in package).

Grease Pump Selection Guide



Pump Family and Fluid Pressure Ratio	Typical Applications	Annual Usage	Line Length	Simultaneous Dispense Points	Approx. Free Flow Rate @ 100 psi	Air Inlet	Fluid Outlet	Air Operation Range
LD, 50:1 	- Automotive dealerships - Fast lube centers - Lube trucks - Lubricant transfer - Service shops	Up to 7,000 lbs (3,175 kg)	Up to 100 (30.5 m)	1	4.5 lbs/min (2 kg/min)	1/4 in NPT(F)	1/4 in NPT(F)	20-150 psi (1.37-10.3 bar)
Mini Fire-Ball 225, 50:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	Up to 10,000 lbs (4,535 kg)	Up to 100 (30.5 m)	1	1.5 lbs/min (0.7 kg/min)	3/8 in NPT(F)	1/4 in NPT(F)	40-140 psi (2.8-10 bar)
Fire-Ball 300, 15:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	Up to 10,000 lbs (4,535 kg)	Up to 250 ft (76 m)	1-2	7.5 lbs/min (3.4 kg/min)	3/8 in NPT(F)	1/4 in NPT(F)	40-180 psi (2.8-12.5 bar)
Fire-Ball 300, 50:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	Up to 10,000 lbs (4,535 kg)	Up to 250 ft (76 m)	1-2	7.5 lbs/min (3.4 kg/min)	3/8 in NPT(F)	1/4 in NPT(F)	30-140 psi (2.1-9.7 bar)
Fireball 425, 10:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	> 20,000 lbs (9,072 kg)	Up to 500 ft (152 m)	4 or more	29 lbs/min (13.1 kg/min)	1/2 in NPT(F)	1 in NPT(F)	40-180 psi (2.8-12.5 bar)
Fire-Ball 425, 50:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	> 20,000 lbs (9,072 kg)	Up to 250 ft (76 m)	4 or more	9 lbs/min (4.1 kg/min)	1/2 in NPT(F)	3/8 in NPT(F)	40-150 psi (2.8-10.3 bar)
Fire-Ball 425, 75:1 	- Automotive dealerships - Fast lube centers - Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Lubricant transfer - Mining - Service shops	> 20,000 lbs (9,072 kg)	Up to 500 ft (152 m)	4 or more	6.5 lbs/min (2.9 kg/min)	1/2 in NPT(F)	3/8 in NPT(F)	40-100psi (2.8-7 bar)
GT 750, 36:1 	- Fleet service facilities - Heavy-duty dealerships - In-plant - Lube trucks - Mining	> 20,000 lbs (9,072 kg)	Up to 250 ft (76 m)	4 or more	32 lbs/min (14.5 kg/min)	1/2 in NPT(F)	1 in NPT(F)	40-100psi (2.8-7 bar)



Ordering Information

50:1 120 lb Grease Pump Packages

Package Number		225006*	225026*	26C185*	26C186*	245696*	222245*
Type of Package		Portable with caster base	Portable with 2-wheel cart	Portable with caster base	Portable with 2-wheel cart	Portable with 2-wheel cart	Portable with heavy duty cart
Ratio		50:1	50:1	50:1	50:1	50:1	50:1
Container Size		120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)
Pump Part Number		239887	239887	239887	239887	239887	239887
Dispense Kits		222070	222070	26C183	26C183	245697	222383
Dispense Kit Includes	Fluid Hose	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 25 ft
	Hose Part Number	109151	109151	109151	109151	109151	109154
	6 ft Coupled Hose	—	—	—	—	—	—
	Air Coupler	114558	114558	114558	114558	114558	114558
	Air Fitting	169971	169971	169971	169971	169971	169971
	Z-swivel	202577	202577	202577	202577	202577	202577
	Fitting(s)	—	—	—	—	—	—
	Dispenser	Pro-Shot	Pro-Shot	Pro-Shot	Pro-Shot	Accu-Shot	Pro-Shot
	Dispenser Part Number	242056	242056	26C184	26C184	233807	242056
Fluid Hose Size		See kit above	See kit above	See kit above	See kit above	See kit above	See kit above
Air Hose Size		—	—	—	—	—	—
Meter		See kit above	See kit above	See kit above	See kit above	See kit above	See kit above
Meter Part Number		See kit above	See kit above	See kit above	See kit above	See kit above	See kit above
Follower Plate		24F902	24F902	24F902	24F902	220654	24F902
Drum Cover		24R350	24R350	24R350	24R350	204574	222060
Holster		203976	203976	203976	203976	203976	—
Portable Base		203622	203650	203622	203650	203650	222243
Elevator		—	—	—	—	—	—
Pump Support		—	—	—	—	—	—
Hold Down Kit		—	—	—	—	—	222061
Instruction Manual		307878	307878	307878	307878	307878	307878
CE Package		240880	240881	—	—	—	240882

*Use 3/8 in (9.5 mm) air regulator (109075); must be ordered separately.

Ordering Information

50:1 120 lb Grease Pump Packages (Cont.)



Grease Pumps and Packages	Package Number	225014*	222073*
	Type of Package	Stationary supply	Stationary supply topper-inductor
	Ratio	50:1	50:1
	Container Size	120 lb (55 kg)	120 lb (55 kg)
	Pump Part Number	239887	239887
	Dispense Kits	222072	—
	Fluid Hose	1/4 in x 6 ft	—
	Hose Part Number	109150	—
	6 ft Coupled Hose	203320	—
	Air Coupler	—	—
	Air Fitting	—	—
	Z-swivel	—	—
	Fitting(s)	155494/155541	—
	Dispenser	—	—
	Dispenser Part Number	—	—
	Fluid Hose Size	See kit above	1/4 in x 6 ft
	Air Hose Size	See kit above	3/8 in x 6 ft
	Follower Plate	24F902	—
	Drum Cover	24R350	—

50:1 400 lb Grease Pump Packages



Grease Pumps and Packages	Package Number	225016*	226013*
	Type of Package	Stationary supply	Stationary supply topper-inductor
	Ratio	50:1	50:1
	Container Size	400 lb (180 kg)	400 lb (180 kg)
	Pump Part Number	239888	239888
	Hose and Fitting Kits	222072	204467
	Fluid Hose	1/4 in x 6 ft	1/4 in x 6 ft
	Hose Part Number	109150	109150
	6 ft Coupled Hose	203320	—
	Fitting(s)	155494/155541	100206/156971/205528
	Air Hose Size	3/8 in x 6 ft	3/8 in x 6 ft
	Follower Plate	24F903	—
	Drum Cover	200326	—
	Elevator	—	204385
	Pump Support	—	204461
	Inductor Plate	—	204353
	Base	—	205339
	Instruction Manual	307880	306556
	CE Package	241035	—

*Use 3/8 in (9.5 mm) air regulator (109075); must be ordered separately.

Diaphragm Pump Selection Guide



Specialty Pumps

Husky Series	Part Number	Pump Description	Fluids	Listings	Max PSI
Husky 307 	D31255	Husky 307 Acetal – 3/8 in Acetal/TPE	• Oil evacuation • Oil transfer • Water • Anti-freeze • Windshield wash fluid	—	100 psi (6.9 bar)
Husky 515 	243669	Husky 515 Acetal Split Inlet – 3/4 in Acetal/Buna Dual Inlet	• 50/50 windshield wash solution • Water • Anti-freeze	—	100 psi (6.9 bar)
Husky 716 	241906	Husky 716 Aluminum – 3/4 in Aluminum/Buna-N	• Oil evacuation • Oil transfer • Water • Anti-freeze • Windshield wash fluid	—	100 psi (6.9 bar)
Husky 1050 	647016	Husky 1050 Aluminum – 1 in Aluminum/TPE	• Water • Anti-freeze • Fuel transfer	UL	100 psi (6.9 bar)
Husky 1050 	647731	Husky 1050 Aluminum – 1 in Aluminum/Buna-N	• Oil evacuation • Oil transfer	UL	100 psi (6.9 bar)
Husky 1050 	647648	Husky 1050 Aluminum – 1 in Aluminum/TPE	• Fuel dispense	UL	50 psi (3.5 bar)
Husky 1590 	DB3525	Husky 1590 Aluminum – 1.5 in Aluminum/TPE	• Oil evacuation • Oil transfer • Water • Anti-freeze	—	120 psi (8.3 bar)
Husky 2150 	DF3525	Husky 2150 Aluminum – 2 in Aluminum/TPE	• Oil evacuation • Oil transfer • Water • Anti-freeze	—	120 psi (8.3 bar)
Husky 3300 	652002	Husky 3300 Aluminum – 3 in Aluminum/TPE	• Oil evacuation • Oil transfer • Water • Anti-freeze	—	125 psi (8.6 bar)

Graco Hose and Cord Reel Selection Guide



	Typical Application	Typical Fluid	Hose/Cord Length Options	Enclosed	Reference Pages
LD™ Series 	• Small maintenance shops • Tire maintenance shops • Small fast lubes • Independent repair facilities • Industrial manufacturing facilities	• Petroleum- and synthetic-based oils • Air • Water • Grease • Anti-freeze • Windshield washer fluid	• 35 ft (11 m) • 45 ft (14 m) • 50 ft (15 m)	Yes	206-208
SD™ 10 / 20 Series 	• Car dealerships • Light-/medium-duty truck dealers • Fleet maintenance • Public works garages • Construction vehicle maintenance • Light-utility service trucks	• Petroleum- and synthetic-based oils • Air • Water • Grease • Anti-freeze • Windshield washer fluid	• 35 ft (11 m) • 50 ft (15 m) • 65 ft (20 m)	Optional	209-216
SD™ Series Cord Reels 	• Automotive dealerships • Fast lube centers • Service shops • Heavy-duty dealerships • Fleet services facilities • In-plant • Lube trucks • Mining	—	• 35 ft (11 m) • 50 ft (15 m) • 95 ft (29 m)	Optional	216-219
XD™ 10 / 20 Series 	• Heavy-duty truck dealers • Fleet maintenance • Mining maintenance • Public works garage • Construction vehicle maintenance • Heavy-duty mobile service trucks • Mining • Lube trucks	• Petroleum- and synthetic-based oils • Air • Water • Grease • Anti-freeze • Windshield washer fluid	• 35 ft (11 m) • 50 ft (15 m) • 65 ft (20 m)	Optional	220-225
XD™ 30 Series 	• Heavy-duty truck dealers • Fleet maintenance • Mining maintenance • Public works garage • Construction vehicle maintenance • Heavy-duty mobile service trucks • Mining • Lube trucks	• Petroleum- and synthetic-based oils • Diesel fuel • Air • Water • Grease • Anti-freeze • Windshield washer fluid • Pressure wash • Waste oil evacuation • Diesel exhaust fluid (DEF)	• 35 ft (11 m) • 50 ft (15 m) • 65 ft (20 m) • 75 ft (23 m)	No	226-230
XD™ 40 / 50 Series 	• Heavy-duty truck dealers • Fleet maintenance • Mining maintenance • Public works garages • Construction vehicle maintenance • Heavy-duty mobile service trucks • Agriculture • Lube trucks	• Petroleum- and synthetic-based oils • Diesel fuel • Air • Water • Anti-freeze • Waste oil evacuation	• 35 ft (11 m) • 50 ft (15 m) • 75 ft (23 m) • 100 ft (30 m)	No	231-236
XD™ 60 / 70 / 80 Series 	• Heavy-duty truck dealers • Fleet maintenance • Mining maintenance • Public works garages • Construction vehicle maintenance • Heavy-duty mobile service trucks • Agriculture • Lube trucks	• Petroleum- and synthetic-based oils • Diesel fuel • Air • Water • Grease • Waste oil evacuation	• 50 ft (15 m) • 75 ft (23 m) • 100 ft (30 m) • 150 ft (46 m)	No	238-248

Graco Dispense Meters

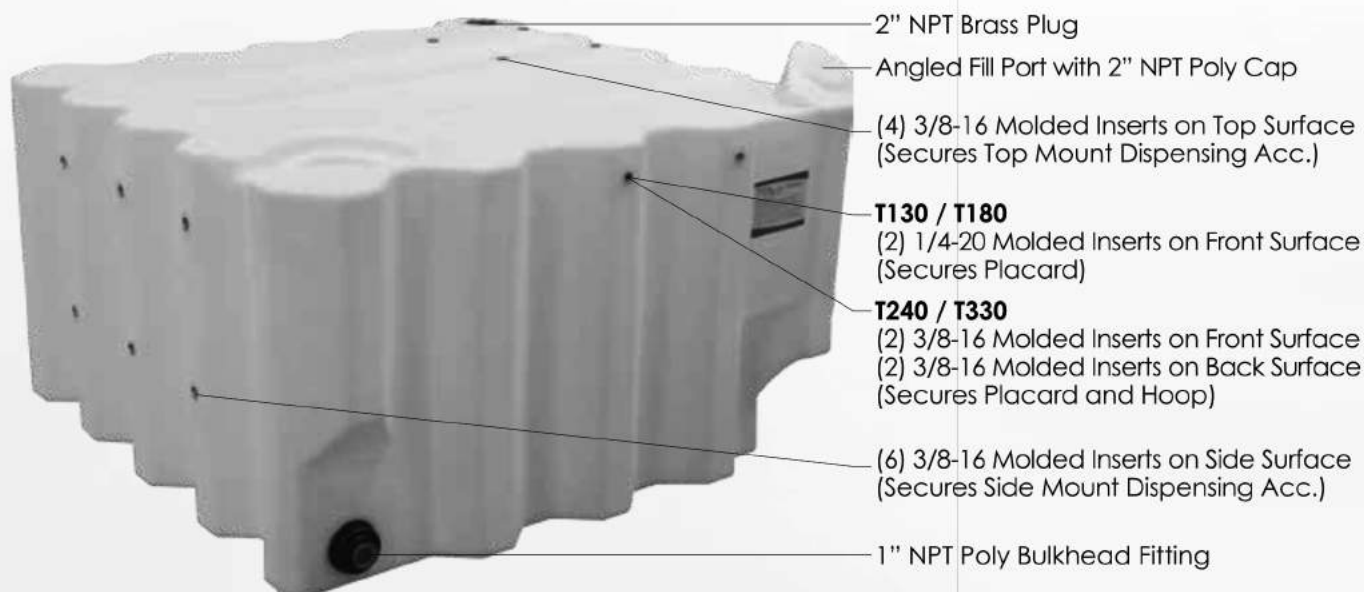


Oil Dispense Meters and Control Valves

	Fluid	Manual/ Preset	Maximum Working Pressure	Maximum Flow Rate	Intended Use	Warranty
LDP5 Electronic Preset Meters 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze	Preset	1,000 psi (69 bar)	5 gpm (19 lpm)	Indoor	5 years overall (2 years electronics)
EM Series Electronic Meters 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze	Manual	1,500 psi (103.4 bar)	20 gpm (76 lpm)	Indoor/ Outdoor	5 years overall (3 years electronics)
SD Series Electronic Meters 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze	Manual/ Preset	1,500 psi (103.4 bar)	14 gpm (53 lpm)	Indoor/ Limited Outdoor	7 years overall (3 years electronics)
IM5 In-Line Meters 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze - Windshield wash fluid	In-Line	500 psi (34 bar)	5 gpm (19 lpm)	Indoor/ Outdoor	5 years overall (2 years electronics)
IM20 In-Line Meters 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze	In-Line	1,500 psi (103.4 bar)	20 gpm (76 lpm)	Indoor/ Outdoor	5 years overall (3 years electronics)
SDI15 In-Line Meters 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze - Diesel exhaust fluid	In-Line	1,500 psi (103.4 bar)	15 gpm (56.8 lpm)	Indoor	7 years overall (3 years electronics)
Mechanical Meters 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze	Manual/ Preset	1,500 psi (103.4 bar)	8 gpm (30 lpm)	Indoor/ Outdoor	5 years
SDV15 Control Valves 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze	N/A	1,500 psi (103.4 bar)	15 gpm (56.8 lpm)	Indoor/ Outdoor	7 years
XDV20 Control Valves 	- Petroleum- and synthetic-based oils (motor, gear and ATF) - Anti-freeze	N/A	1,500 psi (103.4 bar)	20 gpm (76 lpm)	Indoor/ Outdoor	7 years

**Designed To Reduce Your Total Fluid Expenses and
Maximize Floor Space for Bulk Fluid Storage and Handling**

Large Tank Specifications (130, 180, 240 & 330 Gallon Tanks)



T130 Tank - 130 Gallon Tank
58 Lbs. 42"W x 42"D x 26"H

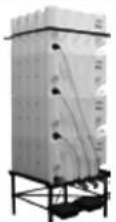
T180 Tank - 180 Gallon Tank
76 Lbs. 42"W x 42"D x 35"H

T240 Tank - 240 Gallon Tank
135 Lbs. 42"W x 42"D x 45"H

T330 Tank - 330 Gallon Tank
165 Lbs. 42"W x 42"D x 59"H

Tote-A-Lube Gravity Feed System Specifications for 130, 180, 240 and 330 Gallon Tote-A-Lube Tanks

Systems Include: 24"H Stand, 3-Pan Drip Tray Assembly and Gravity Feed Dispense Kit.
System Dimensions (Fully Assembled): 43"W x 54"D

Tank Sizes	130 Gal				180 Gal		240 Gal		330 Gal	
										
Model	T130-1	T130-2	T130-3	T130-4	T180-1	T180-2	T240-1	T240-2	T330-1	
No. of Stacked Tanks	1	2	3	4	1	2	1	2	1	Note: System Includes Support Hoop
Gallon Capacity	130	260	390	520	180	360	240	480	330	
System Height	50"H	73"H	96"H	119"H	59"H	91"H	69"H	111"H	83"H	
Gravity Feed Kit	GFKIT1	GFKIT2	GFKIT3	GFKIT4	GFKIT1	GFKIT2	GFKIT1	GFKIT2	GFKIT1	

RHINO TUFF TANKS

Stackable Storage & Dispensing Systems



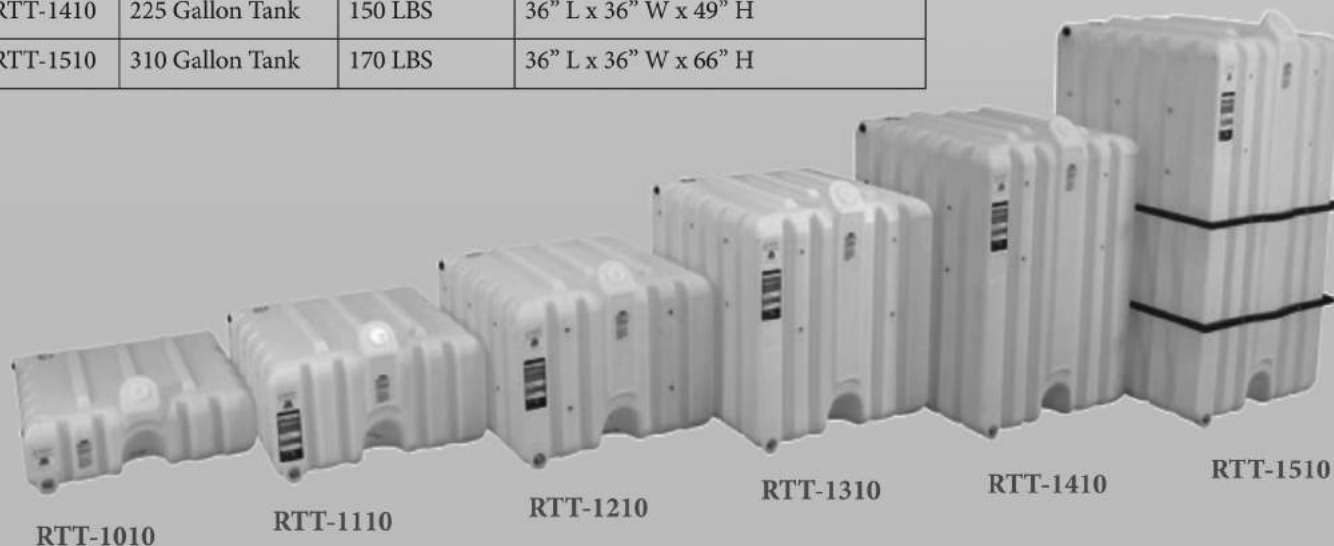
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STACKABLE TANKS

Effectively organize your bulk fluid inventory, eliminate hassles of handling 55 gallon drums and maximize valuable floor space with Rhino Tuff Tanks stackable tank systems. Individual tanks are designed with a common 36" x 36" footprint among all sizes. Tanks can be securely stacked with each other in any combination without requiring costly conversion brackets or racking. Using Natural Virgin High Density Polyethylene resins, Rhino Tuff Tanks provide a clean, stable, contamination-free container that will not rust or corrode – protecting your fluids from the environment. Combine with an array of accessories to create your own unique storage and dispensing system. RTT Systems have been certified as compliant with ULC 142.14-03 testing standards and bear the marking as such.



Model #	Description	Empty Weight	Assembled Dimensions (L x W x H)
RTT-1010	45 Gallon Tank	30 LBS	36" L x 36" W x 10" H
RTT-1110	80 Gallon Tank	45 LBS	36" L x 36" W x 18" H
RTT-1210	120 Gallon Tank	65 LBS	36" L x 36" W x 27" H
RTT-1310	180 Gallon Tank	95 LBS	36" L x 36" W x 39" H
RTT-1410	225 Gallon Tank	150 LBS	36" L x 36" W x 49" H
RTT-1510	310 Gallon Tank	170 LBS	36" L x 36" W x 66" H



GRAVITY FEED TANK PACKAGES

Rhino Tuff Tanks offers several complete Gravity Feed Systems with one convenient model number.

All Packages Include:



RTT-2100 Stand Kit
with 24" legs



Model #	Description
RTT-6000-NV	45 Gallon System
RTT-6100-NV	45/45 Gallon System
RTT-6110-NV	45/45/45 Gallon System
RTT-6111-NV	45/45/45/45 Gallon System
RTT-6130-NV	45/80 Gallon System
RTT-6120-NV	45/120 Gallon System
RTT-6300-NV	80 Gallon Sytem
RTT-6330-NV	80/80 Gallon System
RTT-6333-NV	80/80/80 Gallon System
RTT-3333-NV	80/80/80/80 Gallon System
RTT-6200-NV	120 Gallon System
RTT-6220-NV	120/120 Gallon System
RTT-6222-NV	120/120/120 Gallon System
RTT-6320-NV	80/120 Gallon System
RTT-6800-NV	180 Gallon System
RTT-6280-NV	120/180 Gallon System
RTT-6880-NV	180/180 Gallon System
RTT-6400-NV	225 Gallon System
RTT-6420-NV	120/225 Gallon System
RTT-6481-NV	45/80/225 Gallon System
RTT-6500-NV	310 Double Ring System



RTT-6111

RTT-6222

RTT-6330



Add A Level of Safety:
to your Gravity Feed Tank Packages
with RTT-4036 Ball Valves on each
tank outlet.



High-performance, American-made fuel nozzles and accessories

Nozzles

- Conventional Nozzles
- Farm and Commercial
- Diesel Exhaust Fueling
- Truck and High Volume
- Vapor Recovery
- Ethanol Fueling
- CNG Nozzles

Accessories

- Swivels
- Safe-T-Breaks®
- Swivel/Safe-T-Break® Combos
- Guards
- Pressure/Vacuum Vents
- Test & Maintenance
- Flow Equalizers
- DEF Adaptors

Hoses

- Curb Fueling Hoses
- Farm Fueling Hoses
- Whip Hoses

Pre-Assembled Hanging Hardware

- EZ-Connect

Oil Baron



E0-E85 Curb Pump Hose.

- Recommended for use with Ethanol blends from E0 to E85.
- Resistant to crushing and stands up to run-over.
- Highly resistant to cuts, abrasions, sun and weather.
- Flexibility of a softwall, durability of a hardwall.
- Assures accurate readings at the pump.
- Will not mark or scratch vehicle finishes.
- Hose material is private branded and UL Listed to UL 330A and CAN/ULC-S612-99.
- All curb pump hose assemblies are 100% pressure tested, inspected for electrical continuity and sample pull tested.

E0-E85 Wirebraid Hoses

MODEL NO.	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
3/4" HOSES		
CP12ET04	3/4" E0-E85 4' Assembly Hose	1.7 (0.8)
CP12ET05	3/4" E0-E85 5' Assembly Hose	2.1 (1.0)
CP12ET06	3/4" E0-E85 6' Assembly Hose	2.5 (1.1)
CP12ET08	3/4" E0-E85 8' Assembly Hose	3.4 (1.5)
CP12ET09	3/4" E0-E85 9' Assembly Hose	3.8 (1.7)
CP12ET10	3/4" E0-E85 10' Assembly Hose	4.2 (1.9)
CP12ET10X	3/4" E0-E85 10' Assembly Hose Bulk	4.2 (1.9)
CP12ET12	3/4" E0-E85 12' Assembly Hose	5.0 (2.3)
CP12ET12X	3/4" E0-E85 12' Assembly Hose Bulk	5.0 (2.3)
CP12ET14	3/4" E0-E85 14' Assembly Hose	5.9 (2.7)
CP12ET16	3/4" E0-E85 16' Assembly Hose	6.7 (3.0)
CP12ET20	3/4" E0-E85 20' Assembly Hose	8.4 (3.8)
CP12ET50X	3/4" E0-E85 50' Assembly Hose Bulk	21.0 (9.5)

Construction

Tube	Black Nitrile
Cover	Black CPE (chlorinated polyethylene), wrap impression
Reinforcement	Multiple textile braids with full diameter grounding sheath
Temperature Range	-40°F to +180°F (-40°C to +82°C)

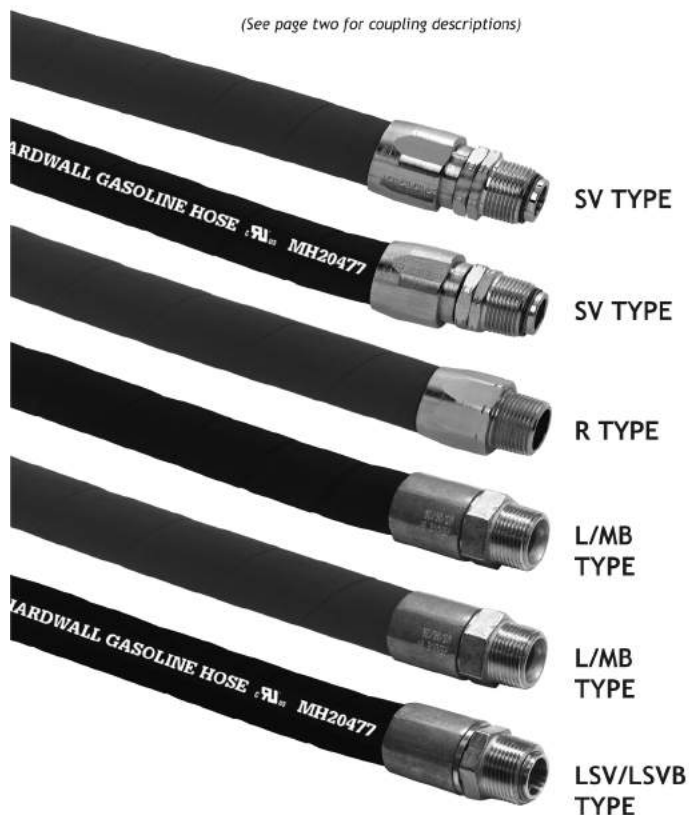


WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Premium Hardwall Gasoline Pump Hose.

- Recommended anywhere a hardwall hose is required.
- Recommended for all gasoline and gasoline/Ethanol blends at Ethanol levels designated as “gasohol” (E15 maximum or less), diesel fuel and diesel fuel/biodiesel blends with nominal biodiesel concentrations up to 20% (B0-B20), kerosene and fuel oil (heating oil), leaded and unleaded gasoline.
- Designed for durability, flexibility, and easy handling.
- Highly resistant to cuts, abrasions, sun and weather.
- Resists kinking and eliminates meter creep.
- Improves ozone and abrasion resistance while providing increased life.
- Improves draping and handling characteristics.
- Will not mark or scratch vehicle finishes.
- Hose material is private branded and UL Listed to UL 330 and CAN/ULC-S612-99.
- All curb pump hose assemblies are 100% pressure tested, inspected for electrical continuity and sample pull tested.

(See page two for coupling descriptions)



 WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Hardwall Hoses

MODEL NO.	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
5/8" HOSES		
CP10HW01	5/8" Hardwall 1' Assembly Hose	0.39 (0.58)
CP10HW09	5/8" Hardwall 9' Assembly Hose	3.5 (1.6)
3/4" HOSES		
CP12HWG08	3/4" GreenHardwall 8' Assembly Hose	3.8 (1.7)
CP12HWG09	3/4" Green Hardwall 9' Assembly Hose	4.2 (1.9)
CP12HWG09SV	3/4" Green Hardwall 9' Assembly Hose Swivel	4.2 (1.9)
CP12HWG10	3/4" Green Hardwall 10' Assembly Hose	4.7 (2.1)
CP12HWG12SV	3/4" Green Hardwall 12' Assembly Hose Swivel	5.6 (2.5)
CP12HW09	3/4" Hardwall 9' Assembly Hose	4.2 (1.9)
CP12HW09.5	3/4" Hardwall 9.5' Assembly Hose	4.5 (2.0)
CP12HW09SV	3/4" Hardwall 9' Assembly Hose Swivel	4.2 (1.9)
CP12HW12	3/4" Hardwall 12' Assembly Hose	5.6 (2.5)
CP12HW14	3/4" Hardwall 14' Assembly Hose	6.6 (3.0)
CP12HW14X	3/4" Hardwall 14' Assembly Hose Bulk	6.6 (3.0)
CP12HW15X	3/4" Hardwall 14' Assembly Hose Bulk	6.6 (3.0)
CP12HW17	3/4" Hardwall 17' Assembly Hose	8.0 (3.6)
CP12HW9.5X	3/4" Hardwall 9.5' Assembly Hose Bulk	4.5 (2.0)
CP12HW01L	3/4" Hardwall 14' Assembly Hose	6.6 (3.0)
CP12HWR01L	3/4" Hardwall 14' Assembly Hose	6.6 (3.0)
CP12HW01LSV	3/4" Hardwall 14' Assembly Hose	6.6 (3.0)

1" HOSES

CP16HW01	1" Hardwall 1' Assembly Hose	0.64 (0.95)
CP16HW06	1" Hardwall 6' Assembly Hose	3.8 (1.7)
CP16HW10	1" Hardwall 10' Assembly Hose	6.4 (2.9)
CP16HW10X	1" Hardwall 10' Assembly Hose Bulk	6.4 (2.9)
CP16HW15	1" Hardwall 15' Assembly Hose	9.6 (4.4)
CP16HW15X	1" Hardwall 15' Assembly Hose Bulk	9.6 (4.4)
CP16HW17	1" Hardwall 17' Assembly Hose	10.9 (4.9)
CP16HW20X	1" Hardwall 20' Assembly Hose Bulk	12.8 (5.8)

Construction

Tube	Black Nitrile
Cover	Black CPE (chlorinated polyethylene), wrap impression
Reinforcement	Multiple textile braids with dual static wire helix
Temperature Range	-40°F to +180°F (-40°C to +82°C)
Body	3/4" Green Hardwall Available

DEF hose assemblies without static wire.

- Designed for durability and flexibility.
- Abrasion resistant.
- Supplied without static wire.
- Recommended for use with electric pumps or dispensers.
- Designed for any DEF dispensing applications.
- Engineered for dispensing DEF where UL approval is not required.
- Curb pump hose recommended for:
 - UL Listed hose material requirements.
 - For high aromatics or severe applications.
- All DEF hose assemblies are 100% inspected for pressure to 50 psi.

(See page two for coupling descriptions)



**GP/GPM
TYPE**

AN TYPE

**ANB/ANF
TYPE**

**ANF/ANMF
TYPE**

DEF Fueling Hoses

MODEL NO.	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
3/4" HOSES		
CP12DF10GP	3/4" x 10' DEF Assembly Hose	2.9 (1.3)
CP12DF12GP	3/4" x 12' DEF Assembly Hose	3.5 (1.6)
CP12DF12GPX	3/4" x 12' DEF Assembly Hose Bulk	3.5 (1.6)
CP12DF14GP	3/4" x 14' DEF Assembly Hose	4.1 (1.9)
CP12DF14GPX	3/4" x 14' DEF Assembly Hose Bulk	4.1 (1.9)
CP12DF15GP	3/4" x 15' DEF Assembly Hose	4.4 (2.0)
CP12DF15GPX	3/4" x 15' DEF Assembly Hose Bulk	4.4 (2.0)
CP12DF17GP	3/4" x 17' DEF Assembly Hose	4.9 (2.2)
CP12DF20GP	3/4" x 20' DEF Assembly Hose	5.8 (2.6)
CP12DF20GPX	3/4" x 20' DEF Assembly Hose Bulk	5.8 (2.6)
CP12DF10AN	3/4" x 10' DEF Assembly Hose w/ 3/4" NPT aluminum fittings	2.9 (1.3)
CP12DF10ANB	3/4" x 10' DEF Assembly Hose with 3/4" BSPP Aluminum Fittings	2.9 (1.3)
CP12DF10ANF	3/4" x 10' DEF Assembly Hose with 1" Female BSPP Fittings	2.9 (1.3)

Construction

Tube	Black customized peroxide-cured EPDM
Cover	Black customized EPDM with smooth finish
Reinforcement	Multiple textile plies
Temperature Range	-40°F to +212°F (-40°C to +100°C)



 WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Pressure activated, automatic shut-off nozzle for full-service and self-service stations.

- XS® nozzle shuts off when:
 - the pump shuts off.
 - the gas tank is full.
 - the lever is opened before the pump is turned on.
 - the leak detector has not completed the test cycle.
- *StreamShaper®* reduces turbulence for straighter fuel flow and less splash back spillage.
- Comes standard with smooth full grip guard.
- Stainless steel spout bushing keeps spout tip round and acts as a captive fastener to prevent tip-end sensor damage.
- Nozzle is equipped with a unique Flo-Stop® device that shuts off the nozzle if it falls from the fill tank or raises above the horizontal.



New Unleaded Nozzles

MODEL	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
1219304	with Three Notch Hold Open Clip	3.0 (1.3)
1219304N^	with Three Notch Hold Open Clip	3.0 (1.3)
1219359	with Three Notch Hold Open Clip and Waffle Splash Guard	3.0 (1.3)
1219395	with Three Notch Hold Open Clip, POPDS and Waffle Splash Guard	3.0 (1.3)
12193146	with Three Notch Hold Open Clip, POPDH and Waffle Splash Guard	3.0 (1.3)
12193179	with Single Notch Hold Open Clip, Waffle Splash Guard and Flo-Equalizer®	3.0 (1.3)
E1219359	with Three Notch Hold Open Clip, Waffle Splash Guard and Mate Guard	3.0 (1.3)

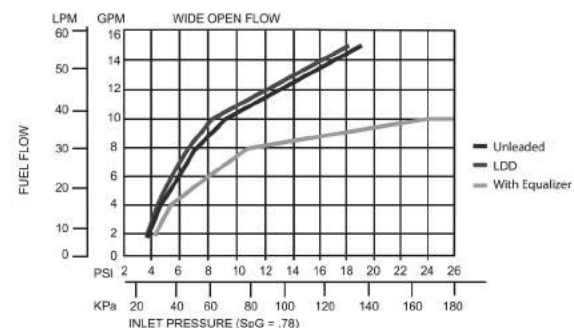
^NOT LISTED

New Light Duty Diesel Nozzles

MODEL	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
1219303	with Three Notch Hold Open Clip	3.1 (1.4)
1219361	with Three Notch Hold Open Clip and Waffle Splash Guard	3.1 (1.4)
1219396	with Three Notch Hold Open Clip, POPDS and Waffle Splash Guard	3.0 (1.3)
1219397	with Single Notch Hold Open Clip and Waffle Splash Guard	3.1 (1.4)
12193122	with Three Notch Hold Open Clip, POPD H and Waffle Splash Guard	3.1 (1.4)
E1219361	with Three Notch Hold Open Clip, Waffle Splash Guard and Mate Guard	3.0 (1.3)

Construction

Body	Die cast aluminum with polymer handguard
Seals	Fluorocarbon
Packing	Double o-ring seal protected by fiber reinforced Teflon®
Lever	Polymer lever, one piece
Inlet	3/4" / 19.1 mm NPT



⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

1AS Nozzles



Pressure activated, automatic shut-off nozzle with polymer handguard for full-service and self-service stations.

- 1AS nozzle shuts off when:
 - the pump shuts off.
 - the gas tank is full.
 - the lever is opened before the pump is turned on.
 - the leak detector has not completed the test cycle.
- Nozzle is equipped with a unique Flo-Stop® device that shuts off the nozzle if it falls from the fill tank or raises above the horizontal.
- StreamShaper® reduces turbulence for straighter fuel flow and less splash back spillage.
- Comes standard with smooth full grip guard.
- Stainless steel reinforced spout bushing keeps spout tip round and acts as a captive fastener to prevent tip-end sensor damage.



New Unleaded Nozzles with NPT

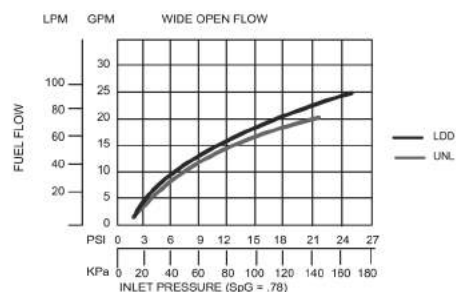
MODEL	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
1215904	with Three Notch Hold Open Clip	3.3 (1.4)
12159209	with Three Notch Hold Open Clip and Reducer Bushing	3.3 (1.4)

New Light Duty Diesel Nozzles with NPT

MODEL	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
1215903	with Three Notch Hold Open Clip	3.4 (1.5)
1215961	with Three Notch Hold Open Clip and Waffle Splash Guard	3.4 (1.5)
12159208	with Three Notch Hold Open Clip and Reducer Bushing	3.4 (1.5)
12159208	with Three Notch Hold Open Clip, Waffle Splash Guard and Drip Less Spout	3.4 (1.5)
E1215903	with Three Notch Hold Open Clip and Mate Guard	3.4 (1.5)

Construction

Body	Die cast aluminum body with high impact polymer hand guard
Seals	Fluorocarbon
Packing	Double o-ring seal protected by fiber reinforced nylon®
Lever	One piece contoured steel with hard plastic cover
Inlet	1" / 25.4 mm NPT and BSPP



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Standard Swivels



9-1

SWIVELS

For standard fueling applications.



Model 000350



Model 002272

Features

All Husky® Multi-Plane Swivels

- Compatible with unleaded, diesel, and Ethanol blends through E10.
- Compact and light weight for easy handling.
- High flow rates due to laminar flow design.
- High strength step shoulder bearing diameters and impact absorbing stops.

Model 002950 Restricted Swivel

- Multi-Plane, 210° spherical rotation at the swivel nut.
- Double o-ring seals at each swivel provide long life at low temperatures (-40° F/C).

All Weather Swivels

- Multi-Plane, full 360° spherical rotation for easy movement of nozzle.
- Double o-ring seals at each swivel provide long life at low temperatures (-40° F/C).

Construction

Body: High Aluminum Zinc Alloy

Inner O-ring: Fluorsilicone

Outer O-ring: Fluorocarbon

Model No.	Size	Thread	Type	Shipping Wt. Lbs/Kg
000350	3/4" M x 3/4" F	NPT	Multi-Plane Swivel	.50/.22
000352	1" M x 3/4" F	NPT	Multi-Plane Swivel	.66/.29
000355	3/4" M x 3/4" F	NPT	Multi-Plane Swivel, Black	.49/.22
000356	1" M x 3/4" F	NPT	Multi-Plane Swivel, Black	.66/.29
002272	3/4" M x 3/4" F	NPT	90° Swivel	.38/.17
002950	3/4" M x 3/4" F	NPT	Multi-Plane Swivel Restricted	.50/.22
001491	3/4" M x 3/4" F	BSPT	Multi-Plane Swivel	.50/.22
003590	3/4" M x 3/4" F	BSPP	Multi-Plane Swivel	.60/.27
003590A*	3/4" M x 3/4" F	BSPP	Multi-Plane Swivel - Atex	.60/.27
002771	3/4" M x 3/4" F	BSPP	90° Swivel	.38/.17
002771A*	3/4" M x 3/4" F	BSPP	90° Swivel - Atex	.38/.17



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WORKY®

WORK WITH US, TRUST IN PEOPLE ABLE TO CREATE A NEW WORLD AROUND YOU.



WORKY®

WORK WITH US, TRUST IN PEOPLE ABLE TO CREATE A NEW WORLD AROUND YOU.



Products

EXHAUST EXTRACTION

The extraction of the gas exhaust from the work area prevents them from being dispersed in the environment and become a danger for the operator and his health. A good gas extraction system must collect the gas at the production source (vehicle muffler) and must convey it to the outside of the building.

MULTISERVICE TOWERS

No matter which is your activity or how big is your workshop, tools and instruments should be handy! WORKY multiservice towers have been designed to welcome the fluid and energy distribution, exhaust extraction, workbench in one single place... also in the middle of the working space.

WELDING FUME EXTRACTOR

The production of toxic fumes is the other side of the medal when you are performing a welding process. The exposure to such gases can be very dangerous to the health so, why not having a mobile unit to extract, filter and deodorize the fumes ready at your side? SMOBIPLUS is the easiest solution we have found for enhancing your productivity and stay safe.

WORKY





JohnDow **EuroVent**[®]

Vehicle Exhaust Extraction

ENHANCED PROFESSIONAL IMAGE

The streamlined look and euro-style design of EuroVent rail systems enhances the look of any service area. It provides your service department with a clean, modern and professional image by eliminating the cluttered look of hoses hanging at every bay.

CUSTOM ENGINEERED FOR SAFETY

Employee safety is the number one priority of an exhaust removal system. EuroVent systems are professionally designed using the latest industry criteria and components to eliminate even minimal exposure to carbon monoxide fumes.

MAXIMUM EFFICIENCY & MINIMAL OPERATING COSTS

A EuroVent rail systems requires fewer outlets to cover all of the service bays by using sliding hose reels or telescoping hose drops which can be easily positioned where they are needed. This design saves money and energy by utilizing a smaller system fan and minimizing air loss.

COST EFFICIENT INSTALLATION

Because of the modular "bolt together" design EuroVent rail systems are less expensive to install compared to other systems. Extensive installation issues are eliminated. Most systems are engineered with eight basic components.

VIRTUALLY MAINTENANCE FREE

By using a rugged extruded aluminum rail EuroVent systems are virtually maintenance free and hold up under very heavy use. No need to worry about in ground PVC or cast iron pipes that can freeze or break or HVAC spiral duct which can be easily damaged. The EuroVent rail is backed by an industry exclusive Limited Lifetime Warranty.

LIMITLESS FLEXIBILITY

Because of the modular design a EuroVent system can be easily modified to the changing needs in your service bays. Systems can be expanded with additional sliding hose reels or aluminum rails. Hose reels and other components are available in a variety of colors to custom match workbenches, lifts and OE color schemes.

The **EuroVent** overhead rail systems is the original rail type exhaust extraction system. This popular designed system is available for both automotive and heavy duty service facilities. The **EuroVent** rail system provides several distinct advantages.

PumpMaster 2 - 3:1 Ratio Pump Portable Packages For 16 Gal Kegs

All Packages Include PumpMaster 2 - 3:1 Ratio Pump Part No. 358 120 With The Accessories Listed.

203



207A



Part No.	203	203a	207	207a
PumpMaster 2 - 3:1 Pump	358 120	358 120	358 120	358 120
Drum Cover	1936	1936	-	-
15' Delivery Hose	848	848	848	848
Metered Handle	365 537	365 537	365 537	365 537
1/4" Quick Air Coupler	930F04	930F04	930F04	930F04
1/4" Quick Air Nipple	933M04	933M04	933M04	933M04
1/4" Mini Filter Regulator Combo	955 (not Shown)	955 (not Shown)	955 (not Shown)	955 (not Shown)
band Type Dolly	1304	-	1304	-
Two Wheel Drum Truck	-	1301	-	-
Four Wheel Drum Truck	-	-	-	1303
Pump To Hose Connector, 3/4" Npt (m) X 1/2" Npt (f)	2065	2065	2065	2065
Pump To Fr Connector 1/4" Npt (m) Both Ends	2051	2051	2051	2051

PumpMaster 2 - 3:1 Ratio Pump Portable Packages For 55 Gal Drums

All Packages Include PumpMaster 2 - 3:1 Ratio Pump Part No. 354 120 With The Accessories Listed.

209b



209



Part No.	209	209a	209b	209c	211 001	454 111	454 112
PumpMaster 2 - 3:1 Pump	354 120	354 120	354 120	354 120	354 120	354 120	354 120
15' Delivery Hose	848	848	848	848	-	-	-
30' X 1/2" 1400 Series Hose Reel	-	-	-	-	1428	1428	1428
Metered Handle	365 537	365 537	365 537	365 537	365 537	-	2199*
Oil Handle (no Meter)	-	-	-	-	-	363 117	-
1/4" Quick Air Coupler	930F04	930F04	930F04	930F04	930F04	930F04	930F04
1/4" Quick Air Nipple	933M04	933M04	933M04	933M04	933M04	933M04	933M04
1/4" Mini Filter Regulator Combo	955 (not shown)	955 (not shown)	955 (not shown)	955 (not shown)	955 (not shown)	955 (not shown)	955 (not shown)
x-frame dolly	-	1306	-	-	-	-	-
Standard Duty Platform Truck	-	-	1307	-	-	-	-
Heavy Duty Platform Truck	-	-	-	1305	1305	1305	1305
Reel Bracket	-	-	-	-	1399	1399	1399
5' Reel To Pump Connection Hose	-	-	-	-	846	846	846
Pump To Hose Connector, 3/4" Npt (m) X 1/2" Npt (f)	2065	2065	2065	2065	2065	2065	2065
Pump To Fr Connector 1/4" Npt (m) Both Ends	2051	2051	2051	2051	2051	2051	2051

211 001



* Preset meter handle.

303 101



303 111



305 101



305 161



Part No.	320	303 101	303 111	303 141	303 201	303 211	303 241	305 101	305 161
PumpMaster 3 - 55:1 Pump	120 lb (302)	120 lb (302)	120 lb (302)	120 lb (302)	120 lb (302)	120 lb (302)	120 lb (302)	400 lb (304)	400 lb (304)
Drum Cover	1936	1936	1936	1936	1936	1936	1936	1938	1938
Follower Plate	964	964	964	964	964	964	964	966	966
Delivery Hose	5' x 1/4" (871 000)	10' x 1/4" (872 000)	10' x 1/4" (872 000)	10' x 1/4" (872 000)	20' x 1/4" (874 000)	20' x 1/4" (874 000)	20' x 1/4" (874 000)	20' x 1/4" (874 000)	20' x 1/4" (874 000)
Grease Handle	413 077	413 077	413 077	413 077	413 077	413 077	413 077	413 077	413 077
Grease Handle Swivel	Straight (1109)	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)
1/4" Quick Air Coupler	-	930F04	930F04	930F04	930F04	930F04	930F04	930F04	930F04
1/4" Quick Air Nipple	-	933M04	933M04	933M04	933M04	933M04	933M04	933M04	933M04
1/4" Mini Filter Regulator Combo	-	955	955	955	955	955	955	955	955
1/4" Pump To Fr Combo Connector	-	2051	2051	2051	2051	2051	2051	2051	2051
Band Dolly	-	-	-	1304	-	-	1304	-	-
Two Wheel Cart	1301	-	1301	-	-	1301	-	-	-
Standard-duty Platform Truck	-	-	-	-	-	-	-	-	1307

PUMPMaster 2 - 3:1 RATIO OIL PUMPS

Part No.	Application
353 120	Universal stub pump with bung adaptor
358 120	16 gal (60 l) keg bung mounted with bung adaptor
354 120	55 gal (205 l) drum bung mounted with bung adaptor





335 201



335 261



311 001

Part No.	335 201	335 251	335 261	311 001
PumpMaster 35 – 60:1 Pump	530 611	530 611	530 611	530 611
Drum Cover	1938	1938	1938	1938
Follower Plate	966	966	966	966
Delivery Hose	15' x 1/4" (873 000)	15' x 1/4" (873 000)	15' x 1/4" (873 000)	-
hose reel	-	-	-	30' x 1/4" (1432)
Grease Handle	413 077	413 077	413 077	413 077
Grease Handle Swivel	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)	Z-swivel (1105)
3/8" Quick Air Coupler	930F06	930F06	930F06	930F06
3/8" Quick Air Nipple	933M06	933M06	933M06	933M06
3/8" Mini Filter Regulator Combo	957	957	957	957
3/8" Pump To Fr Combo Connector	2052	2052	2052	2052
Pump To Hose Bushing	2060	2060	2060	2060
X-frame Dolly	-	1306	-	-
Standard-duty Platform Truck	-	-	1307	-
Heavy-duty Platform Truck	-	-	-	1305

PUMPMaster 4 - 5:1 RATIO OIL PUMPS

Part No.	Application
347 120	Universal stub pump with bung adaptor
347 520	16 gal keg with bung adaptor
348 120	55 gal (205 l) drum bung mounted with bung adaptor



Directflo® AND Classicflo® PUMP COMPARATIVE CHART



FLUIDS HANDLED

- Lubricants.
- Antifreeze.
- Windshield wash.
- Diesel.
- AdBlue® / DEF.
- Water.
- Waste fluids.

MARKETS SERVED

- Car and truck dealers.
- Construction, mining.
- Rail and mass transit.
- Lube trucks.
- Fleets.
- In-plant.
- Quick lubes.



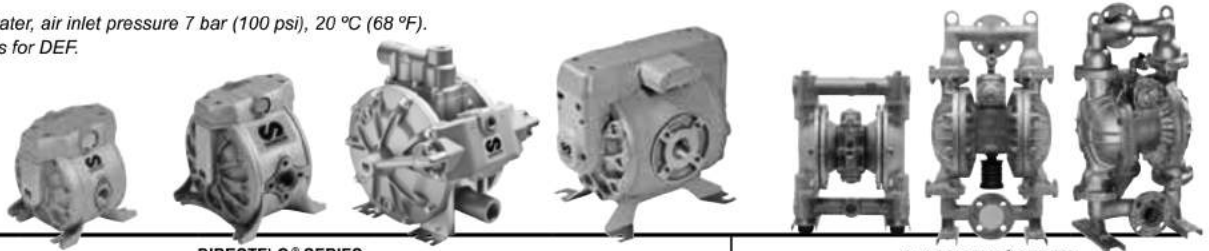
POLYPROPYLENE PUMPS

DIRECTFLO® SERIES

	DC20	DF30	DF50	DF100	DP200
PUMP PRESSURE RATIO	1:1	1:1	1:1	1:1	1:1
MAXIMUM FREE DELIVERY ⁽¹⁾	5 gal/min (20 l/min)	10 US gal/min (38 l/min)	14 gal/min (50 l/min)	28 gal/min (100 l/min)	53 gal/min (200 l/min)
DELIVERY PER CYCLE APPROX. ⁽¹⁾	0.016 US gal (0,06 liters)	0.04 US gal (0,14 liters)	0.05 US gal (0,2 liters)	0.13 US gal (0,5 liters)	0.26 US gal (1 liter)
AIR PRESSURE OPERATING RANGE	22 to 100 psi (1,5 to 7 bar)	22 to 115 psi (1,5 to 8 bar)	22 to 115 psi (1,5 to 8 bar)	22 to 115 psi (1,5 to 8 bar)	22 to 115 psi (1,5 to 8 bar)
SOLIDS IN SUSPENSION MAXIMUM SIZE	3/32" (2 mm)	1/8" (3 mm)	1/8" (3 mm)	3/16" (4 mm)	1/4" (6 mm)
MAXIMUM DRY SUCTION HEAD ⁽¹⁾	6 1/2' (2 m)	13' (4 m)	20' (6 m)	15' (4,5 m)	16' (5 m)
MAXIMUM WET SUCTION HEAD ⁽¹⁾	23' (7 m)	26' (8 m)	26' (8 m)	23' (7 m)	26' (8 m)
WEIGHT	2.65 lb (1,2 kg)	4.19 lb (1,9 kg)	4.85 lb (2,2 kg)	11.24 (5,1 kg)	23.15 lb (10,5 kg)
FLUID INLET CONNECTION ⁽²⁾	Int.: 1/4" NPT/BSP (F) Ext.: 3/4" NPT (M)	1/2" NPT (F)	1/2" NPT (F)	1" NPT (F)	1" DIN PN-10 DN25 flange and ANSI B16.5 1" 150 lb flange
FLUID OUTLET CONNECTION ⁽²⁾	Int.: 1/4" NPT/BSP (F) Ext.: 3/4" NPT (M)	1/2" NPT (F)	1/2" NPT (F)	1" NPT (F)	1" DIN PN-10 DN25 flange and ANSI B16.5 1" 150 lb flange
AIR INLET CONNECTION	3/8" NPSM (F)	3/8" NPSM (F)	3/8" NPSM (F)	3/8" NPSM (F)	3/8" NPSM (F)
MANUAL	855 836	855 822	855 822	855 822	855 834

(1) Data measured with water, air inlet pressure 7 bar (100 psi), 20 °C (68 °F).

(2) BSPP thread in models for DEF.



METAL PUMPS

DIRECTFLO® SERIES

CLASSICFLO® SERIES

	DF50	DF100	DP200	DF250	2836	2835	2838	2840
PUMP PRESSURE RATIO	1:1	1:1	1:1	1:1	1:1 UL LISTED	1:1	1:1	1:1
MAXIMUM FREE DELIVERY ⁽¹⁾	14 gal/min (50 l/min)	28 gal/min (100 l/min)	53 gal/min (200 l/min)	66 gal/min (250 l/min)	40 gal/min (150 l/min)	46 gal/min (175 l/min)	107 gal/min (400 l/min)	164 gal/min (620 l/min)
DELIVERY PER CYCLE APPROX. ⁽¹⁾	0.05 US gal (0,2 liters)	0.13 US gal (0,5 liters)	0.26 US gal (1 liter)	0.32 US gal (1,2 liters)	0.22 US gal	0.22 US gal	0.73 US gal	1.12 US gal
AIR PRESSURE OPERATING RANGE	22 to 115 psi (1,5 to 8 bar)	22 to 115 psi (1,5 to 8 bar)	22 to 115 psi (1,5 to 8 bar)	22 to 115 psi (1,5 to 8 bar)	21 to 70 psi (1,4 to 5 bar)	21 to 100 psi (1,4 to 7 bar)	22 to 100 psi (1,5 to 7 bar)	23 to 100 psi (1,6 to 7 bar)
SOLIDS IN SUSPENSION MAXIMUM SIZE	1/8" (3 mm)	3/16" (4 mm)	1/4" (6 mm)	1/4" (6 mm)	3/16" (4 mm)	3/16" (4 mm)	9/32" (7,15 mm)	5/15" (8,5 mm)
MAXIMUM DRY SUCTION HEAD ⁽¹⁾	20' (6 m)	15' (4,5 m)	16' (5 m)	16.4' (5 m)	N.A.	N.A.	N.A.	N.A.
MAXIMUM WET SUCTION HEAD ⁽¹⁾	26' (8 m)	23' (7 m)	26' (8 m)	26' (8 m)	N.A.	18'	18'	19'
WEIGHT	7.72 lb (3,5 kg)	16 lb (7,2 kg)	25.35 lb (11,5 kg)	45 lb (20 kg)	20 lb	27 lb	65 lb	88 lb
FLUID INLET CONNECTION	1/2" NPSM (F)	1" NPT/BSP (F)	1" NPT/BSP (F)	1 1/2" NPT (F) and ANSI 1" B16.5 150 lb flange or 1 1/2" BSP (F) and DIN PN-10 DN40 flange	1" NPTF	1" NPTF	1 1/2" NPTF	Ansi flange and 2" NPTF
FLUID OUTLET CONNECTION	1/2" NPSM (F)	1" NPT/BSP (F)	1" NPT/BSP (F)	1 1/2" NPT (F) and ANSI 1" B16.5 150 lb flange or 1 1/2" BSP (F) and DIN PN-10 DN40 flange	1" NPTF	1" NPTF	1 1/2" NPTF	Ansi flange and 2" NPTF
AIR INLET CONNECTION	3/8" NPSM (F)	3/8" NPSM (F)	3/8" NPSM (F)	1/2" NPSM (F)	3/8" NPTF	3/8" NPTF	1/2" NPTF	1" NPTF
MANUAL	855 822	855 822	855 834	855 829	M002836	M00191	M00192	M00193

(1) Data measured with water, air inlet pressure 7 bar (100 psi), 20 °C (68 °F).

Product specifications are subject to change without prior notice

50' Maximum Hose Capacity

Full metal Heavy-Duty double pedestal hose reels, with hose capacity up to 50' x 1/2" hose.



Hose reel with arms in side mount position.

- Very tough construction able to stand regular use and abuse in Intensive Duty applications.
- Fatigue resistant steel spring for years of durable performance and even load when pulling and recoiling the hose.
- Fully ported shaft and swivel.
- Spool mounted on two permanently lubricated and sealed ball bearings to reduce torque load on spring for smooth retraction and longer life.
- Large latching area for easier operation.
- Hose guide arm can be placed in different positions to accommodate any method of mounting.
- Narrow footprint allows mounting more reels on the same surface.
- Hose reels with hose include 30" inlet hose.



Hose reels are delivered in ceiling mount position. For reels delivered with arms in side mount position, add SM to the hose reel Part Number.

FLUIDS HANDLED

- Air.
- Water.
- Antifreeze and Windshield Wash Solutions.
- High Pressure Hot Water.
- Synthetic and Mineral Oils.
- Grease.

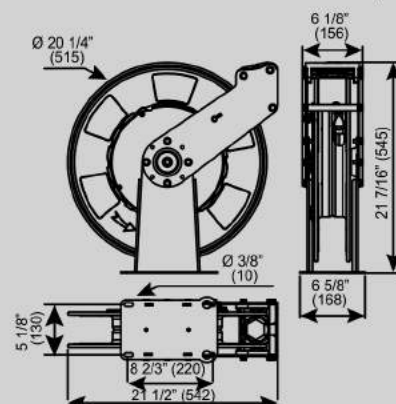
MARKETS / APPLICATIONS

- Car and truck dealers.
- Service shops.
- Fleets.
- Lube trucks.
- Mining and construction.
- Railroad and mass transit.
- General manufacturing.

MOUNTING

- Floor.
- Wall.
- Ceiling.
- Tank.

Dimensions Inches (mm)



HOSE REEL PART No.	HOSE LENGTH	HOSE I.D.	OUTLET THREAD	MAX. WORKING PRESSURE	NET WEIGHT	REEL ONLY WITH SWIVEL PART No.
LOW PRESSURE AIR, WATER, ANTIFREEZE AND WINDSHIELD WASH SOLUTIONS BRASS SHAFT, ACETAL SWIVEL						
504 152	50'	3/8"	1/4" NPTM	300 psi	49.5 lb	504 159
504 151	50'	3/8"	3/8" NPTM	300 psi	49.5 lb	504 159
504 150	50'	1/2"	1/2" NPTM	300 psi	52.8 lb	504 159
MEDIUM PRESSURE OILS - STEEL SHAFT AND SWIVEL						
504 251	40'	1/2"	1/2" NPTM	2,000 psi	55.0 lb	504 259
504 250	50'	1/2"	1/2" NPTM	2,000 psi	57.3 lb	504 259
HIGH PRESSURE GREASE - SHAFT AND SWIVEL						
504 350	50'	1/4"	1/4" NPTM	5,000 psi	58.4 lb	504 359
504 351	50'	3/8"	1/4" NPTM	4,000 psi	60.6 lb	504 359
HIGH PRESSURE HOT WATER (UP TO 200° F) - STAINLESS STEEL SHAFT AND SWIVEL						
504 450	50'	3/8"	3/8" NPTM	2,500 psi	57.3 lb	504 459

MANUAL FOR ALL 504 SERIES HOSE REELS: 850 838

ELECTRONIC METERED CONTROL VALVES FOR DISPENSING OIL AND OTHER FLUIDS

EC8 Series - Oval Gear With Digital Display Hand Held Meter, 8 Gal/min

SAMSON metered control valves are used at end of hose assembly for measured dispensing of lubricants and antifreeze solutions.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear Oil.
- Hydraulic oil and fluids.
- ATF.
- Antifreeze solutions.

MARKETS SERVED

- Car and truck dealerships.
- Fast lube and maintenance shops.
- Fleet service.
- Mining and construction.
- Lube trucks.

365 537



Accuracy, Durability And Higher Flow Performance

- Extensively and rigorously field tested. Reliable performance.
- High precision machined measuring chamber with tight tolerances, quality gears and stainless steel shafts eliminate the need of calibration to adjust for fluid viscosity.
- Sealed battery compartment and isolated electronic register for extended life.
- Easy to read large character display, with batch, trip (resettable totalizer) and totalizer functions.
- Rough TPE boot surrounds the entire meter for even greater durability.
- Replaceable AAA batteries.

Technical Data

Maximum flow rate	8 gal/min (30 l/min)
Accuracy	+/- 0.5 %
Maximum working pressure	1,450 psi (100 bar)
Batteries	2 x AAA 1.5 V alkaline batteries
Fluid inlet	1/2" NPT (F)
Fluid outlet	1/2" NPT (F)
Wetted parts	Acetal / Aluminum/ Stainless steel / NBR / Zinc plated steel / TPU / Polyamide
Fluid compatibility	Lubricants, ATF, antifreeze (glycol) and antifreeze - water solutions
Weight	2.86 lb (1,30 kg)

Manual For All Ec8 Series Valves: 836 854 + 836 853

Units of measure can be selected in quarts, gallons, pints or liters.

Ordering information

Part No.	Outlet nozzle type	Outlet Part No.
365 521	Hose end meter with no outlet	-
365 536	60° rigid with quarter turn non-drip tip	369 231
365 534	Flexible outlet with 90° angled tube with quarter turn non-drip tip	369 227
365 537	Formable outlet with quarter turn non-drip tip	369 233
365 538	Formable outlet with quarter turn narrow non-drip tip (Ø 1/3")	369 240
365 533	Flexible straight with quarter turn non-drip tip	369 247

Non-drip tips are manufactured in brass.
See page 85 for outlets.

365 536



365 534



365 538



Control Valve For Dispensing Water Based Fluids - 4 Gal/min



Part No. 186 300

Control handle with reinforced polyamide body and stainless steel valve mechanism for use with fluids like windshield wash solutions, glycol solution (anti-freeze) and other water based solutions. Includes brass inlet swivel with 1/2" NPTF connection thread and flexible outlet with 90° angled nozzle and quarter turn non-drip tip. Working pressure: 570 psi. Flow rate 8 gal/min.

Metered Control Valve For Dispensing Water Based Fluids - 4 Gal/min

Part No. 365 575

Oval gear hose end meter with electronic display for measured delivery of windshield washer, coolant and antifreeze solutions. Display is powered with two easy to replace AAA alkaline batteries. Meter can measure in liters, quarts, pints and US gallons. Fluid inlet: 1/2" NPT (F). Maximum working pressure: 435 psi. Operating temperature range: 15 to 140 °F. Flow rate 8 gal/min.

Preset Digital Meters For Lubricants



Part No. 2199

Electronic preset meter designed to meter and dispense bulk fluids servicing automobiles, trucks, buses and other similar applications. The meter is light weight, rugged and has a comfortable grip. It can be used with motor oils, gear oils, ATF, pure antifreeze and hydraulic fluids. Works with 4 AAA alkaline batteries. Includes inlet swivel and rigid outlet with quarter-turn non-drip tip. Fluid inlet: 1/2" NPT (F). Maximum working pressure: 100 psi. Operating temperature range: 23 to 122 °F. Flow rate 8 gal/min.

Part No. 2199sf

Same as Part No. 2199, but suitable for antifreeze and windshield wash solutions. Fluid inlet: 1/2" NPT (F). Maximum working pressure: 100 psi. Operating temperature range: 23 to 122 °F. Flow rate 8 gal/min.

Part No. 365 300

Oval gear hose end meter with preset function. Preset mode dispensing allows hands off operation as the meter automatically shuts off once the preset volume is delivered. Meter with digital display, works with four easy to replace AAA alkaline batteries. Includes inlet swivel and adjustable rigid outlet with automatic non-drip nozzle. Fluid inlet: 1/2" NPT (F). Maximum working pressure: 1,015 psi. Operating temperature range: 23 to 122 °F. Flow rate 8 gal/min.



Oil Bars

For dispensing up to four bulk lubricants. With removable catch pan for ease of containing spills and spring loaded non-drip dispense valve. Dimensions: 18 1/2" x 22 3/4" x 13 1/4".

Part No. OB-1. Single product fluid dispensing bar, complete as shown.

Part No. OB-2. With two spigots for dispensing two products

Part No. OB-3. With three spigots for dispensing three products

Part No. OB-4. With four spigots for dispensing four products.

Part No. 361 110. Outlet kit to add a tap to existing bars.

Part No. 366 550. In-line digital meter kit for oil bars.

Part No. 949 001. Hose connector kit. Includes 2' connection hose, 1/2" NPTMBE swivel, and 1/2" NPTFBE medium pressure ball valve.



Pump not included

spigot valves

Part No. 1900

Dispensing valve with self closing spigot valve. Connects to PumpMaster-2 both 1:1 or 3:1 pressure ratio pumps. Connecting thread: 3/4" NPTM.

Portable Oil Dispensers And Grease Filler Pumps

1011



1021



Portable Hand Operated Lube Pumps

For gear lube and ATF

Part No. 1011

Hand operated, non metered, multi fluid dispenser for 16 gal open top drum. Includes:

Part No. 1000: hand operated pump with cover mounting adaptor.

Part No. 1304: Four wheel band dolly.

Part No. 1936: Deluxe drum cover for 16 gal drums.

Part No. 731 210: 5' fluid hose assembly with curved nozzle.

Part No. 1021

Same as 1011 except with 366 000 electronic meter 366 000, and 5' fluid hose with shut off valve 731 310 and curved outlet nozzle 1136.

1322



1320



Pressurized Lube Dispensers

Part No. 1322

Portable air pressurized unit for gear oils and other fluids. No hand pumping required. Ideal for remote services, on the job site, outside the garage or anywhere an air supply is unavailable. 6 1/2" gallon tank with sight gauge, 5' clear visible dispensing hose and electronic meter fluid control handle.

Part No. 1320

Same as 1322 except with non-metered lube handle.

1986



1988



1991



1987



Gear Oil Dispensers

Part No. 1986

Heavy-Duty hand operated gear lube pump unit. Fits 5 gallon pail. Complete with pump, cover, 5' hose, curved pipe with anti-drip tip.

Grease Gun Filler Pumps

Part No. 1988

Heavy Duty hand operated filler pump unit. Fits 35 lb pail. Complete with pump, cover, filler valve, dust cap and follower plate.

Part No. 1989

Same as Part No. 1988 except with drum cover and follower plate to fit 120 lb kegs.

Bearing Packers

Part No. 1991

Heavy Duty hand operated bearing packer. Fits 35 lb pail. Complete with pump, cover, packer, dust cap and follower plate.

Part No. 1992

Same as Part No. 1991 except with drum cover and follower plate to fit 120 lb kegs.

Filler Pumps For Centralized Greasing Units

Part No. 1987

Heavy Duty hand operated filler pump for filling the reservoir of centralized greasing systems. Fits 35 lb pails. Complete with pump, cover, 5' transparent hose and a 2-HK (1/4") hydraulic connector. For use with grease up to NLGI-0.

Part No. 108 503

Same as Part No. 1987 except with drum cover to fit 120 lb kegs.

Drum Pumps For Oil



**High Performance
Drum Pump**

Part No. 605 000

High performance drum pump. Lever action transfer pump for use with all types of lubricants, even those with higher viscosity, like gear oil. Lever can be mounted in four different positions to change the delivery volume per stroke: from 0.48 to 0.96 qts. Pump includes telescoping suction tube with bung adaptor for use with 16 gallon kegs and 55 gallon drums.



**Drum Pump
For Fluids**

Part No. 1240

Drum pump for fluids. Lever action barrel pump. Steel pump body, spout and telescopic suction tube. Die cast head, steel piston, brass rings and nitrile rubber seals. Bung threads fits 16 - 55 gallon drums. Ideal for use with light viscosity lubricants and other non-corrosive fluids. Capacity per stroke: 0.48 quarts.



**Lever Action
Drum Pump**

Part No. 1243

Lever action drum pump. Same features as Model 1240 but with Viton® seals, usable with alcohols, detergents, solvents, oils and anti-freeze. Pump must be flushed with diesel after used with corrosive fluids. Long curved removable steel spout with garden hose threads. Capacity per stroke: 0.48 quarts.



Rotary Pumps

Part No. 8013

Rotary action pump. Lightweight rotary pump manufactured in PVC to handle chemicals and acid based products. Features bi-directional operation. Delivery is rated at over 3.75 gal/min at 60 cycles per minute. Includes adjustable bung bushing and a 3 piece down tube that extends from 13 to 37 inches to fit most containers, including 5, 16 and 55 gallon commercial sizes. Capacity per stroke: 0.26 quart.

Part No. 1245

Bi-Directional rotary action drum pump. Rotary barrel pump. Heavy duty cast iron body, telescopic steel suction tube, adjustable bung fits 16-55 gallon drums. Dispenses fuel oils, kerosene, diesel fuel, oils and other light fluids. Capacity per stroke: 0.42 quart.

OPTIONAL DELIVERY HOSE

Part No. 314 540

Rubber 5' delivery hose with shut off valve and nozzle.

Medium Pressure Oil Pumps

Lever action transfer pumps for high viscosity lubricants. Pump includes 2" height adjustable bung adaptor to fit directly onto drums, covers or containers. Pump with steel suction tube, foot valve and piston, and NBR seals. Delivery: 0.03 gal per stroke. Outlet thread: 3/4" NPTM.

MEDIUM PRESSURE TRANSFER PUMP

Part No. 306 300

For 5 gallon pails.

Part No. 306 200

For 5 gallon pails & 16 gallon kegs.

Part No. 306 100

For 16 gallon kegs.

Part No. 306 400

For 55 gallon drums.

ACCESSORIES:

Part No. 730 603

Angled steel delivery spout. Fits directly to the pump outlet.

Part No. 314 530

Delivery hose. Transparent 5' hose with 135° nozzle.

Part No. 314 540

Delivery hose. 5' rubber hose, with shut off valve and 135° nozzle.

306 100



314 540





SINGLE WALL NEW OIL STORAGE TANK

STANDARD FEATURES

- 150 or 300 gallon
- Robot welded
- UL142 listed & NFPA 30 compliant
- Powder coated finish

PRODUCT DETAILS

- 3 rack sizes offer endless configurations
- 12 gauge single wall construction
- Convenient tabs for securing tanks to wall or each other
- Front view sight tube with ball valve shut off
- 79" overall height
- Vent & Fill on top with additional spare ports
- Hose reel mounting plate

DOUBLE WALL USED OIL STORAGE TANK

STANDARD FEATURES

- 500 gallon
- Robot welded
- Fire resistant
- 110% containment
- 10 gauge steel
- UL142 listed & NFPA 30 compliant
- 1-year manufacturing defect warranty

PRODUCT DETAILS

- Maximum spill prevention and countermeasures take a front seat with longevity-driven construction and quality in Onken's double wall tanks for used automotive oil containment. Unsurpassed detail and dedication go into every weld and gauge.



DEFMINIBULK

PIUSI

USA®



PIUSI offers several innovations for **Mini-Bulk Dispensing**. Whether you need a complete kit or a storage pedestal for your current setup, PIUSI is here to make your DEF transfer easier.

■ SB MINI-BULK DISPENSER

A complete storage and stationing kit for the SuzzaraBlue Pro Kit.

■ SELF SERVICE MC DISPENSER

Fleet management system for DEF, can manage up to 80 users. Software required.

■ NEW! THREE25 MINI-BULK

Premium transfer kit with stainless steel plate for hanging on plastic-welded bracket.



Part #	Description	Flow Rate	Power		Nozzle	Delivery Hose	Suction Hose	Weight	Packaging	
		GPM	volts/hz	RPM		watt	ft.	ft.	lb.	in.
FO0101A30	Three25 Mini-Bulk	9	120/60	1700	370	Automatic	20	13	40	20 x 16 x 13

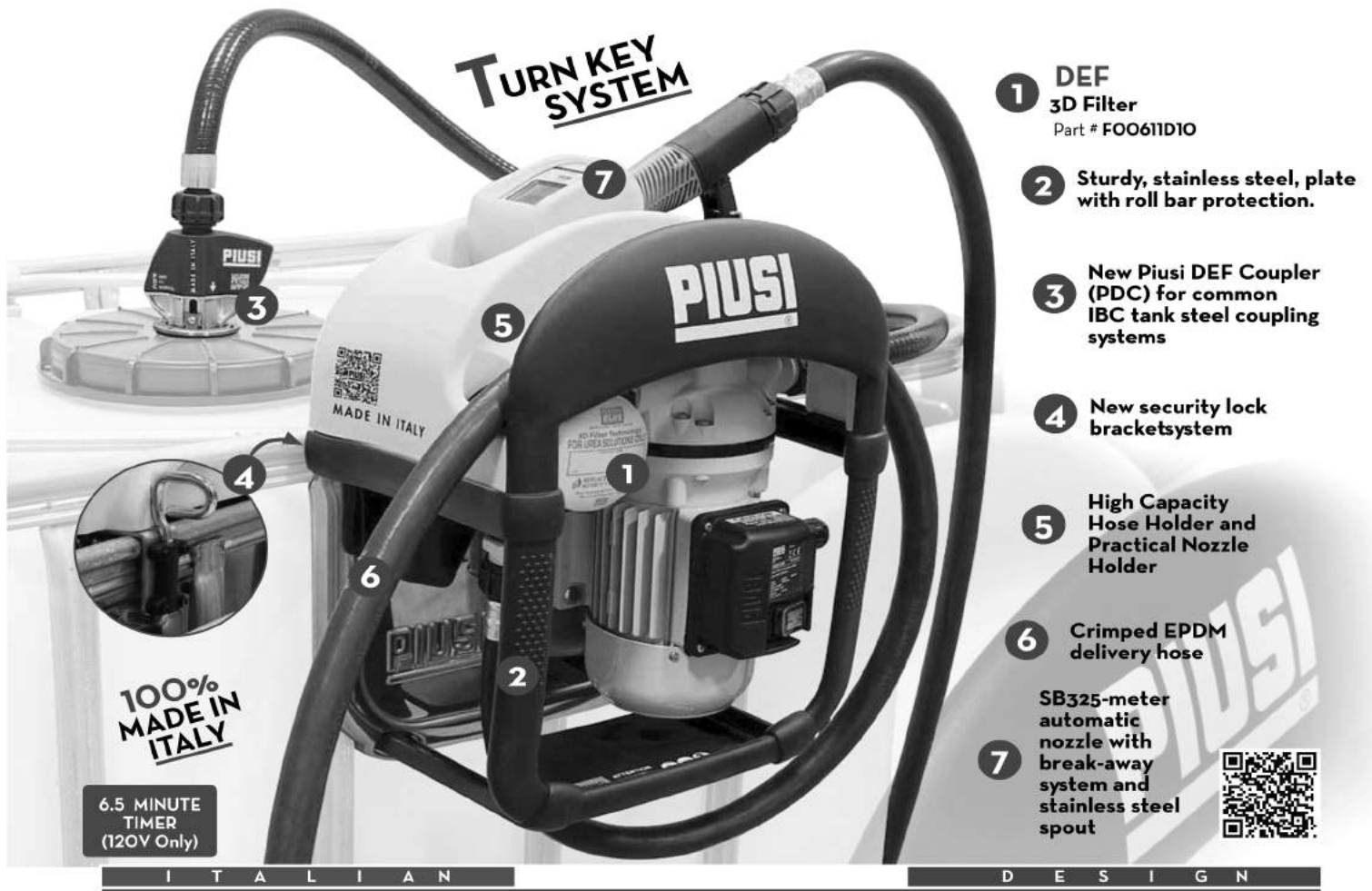
Part #	Description	Flow Rate	Power			Nozzle type	Meter	Filter	Weight	Packaging	
		GPM	volts/hz	RPM	watt						amp
FO0744020	Self Service MC DEF Dispenser	7-9	120/60	1400	400	2	SB 325	K24	3D Filter	110	19 x 16 x 58
FO0743080	Self Service MC DEF Dispenser 2.0	7-9	120/60	1400	400	2	SB 325	K24	3D Filter	110	19 x 16 x 58
DEFmini	SB Mini-Bulk Dispenser	7-9	120/60	1400	400	2	Automatic	K24	-	85	Multiple
R1611800A	Blue Box									33	24 x 23 x 13

25THREE



Discover a **new dimension of fluid handling** with the Piusi Three25. Created to **ensure optimum durability and efficiency**, the Piusi Three25 administers a 32.5% urea solution that is protected by our DEF 3D filter which **prevents the contamination of your DEF** and in turn allows for an **increased life of the catalyst**.

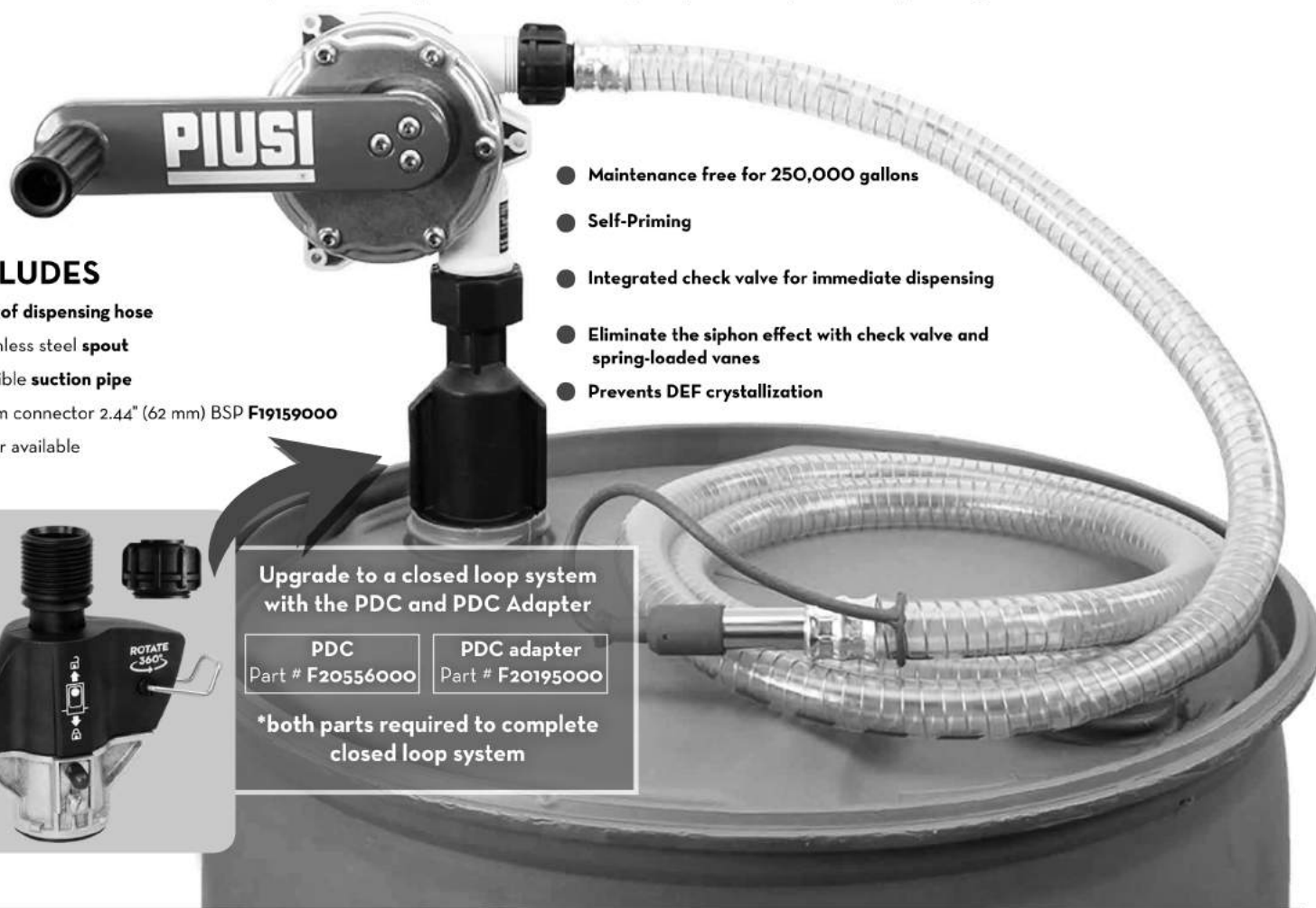
9 GPM | PREMIUM DEF TRANSFER PUMP



Part #	Description	Flow Rate		Power		Nozzle	Delivery Hose	cRUUS Certification	Weight	Packaging
		GPM	volts/hz	RPM	watt					
F00101A0A	Three25 120V	9	120/60	1700	370	Automatic	20		33	20 x 16 x 13
F00101A1A	Three25 12V	9	12V	2800	260	Automatic	20	-	28	20 x 16 x 13

PIUSI HAND PUMP

The new **Piusi DEF Rotary Hand Pump** is the first hand pump to be **specifically designed for use with DEF!**



INCLUDES

- 9 ft. of dispensing hose
- Stainless steel spout
- Flexible suction pipe
- Drum connector 2.44" (62 mm) BSP **F19159000**
- Filter available

- Maintenance free for 250,000 gallons
- Self-Priming
- Integrated check valve for immediate dispensing
- Eliminate the siphon effect with check valve and spring-loaded vanes
- Prevents DEF crystallization

Upgrade to a closed loop system with the PDC and PDC Adapter

PDC
Part # **F20556000**

PDC adapter
Part # **F20195000**

*both parts required to complete closed loop system



PISTON HAND PUMP KIT

2.5" x 5"
buttnut



ROTARY HAND PUMP KIT

w/ 3D Filter

PDC and PDC adapter
not included



ROTARY HAND PUMP TOTE KIT

*PDC connects to RSV/RPV
4-pin container valve

Part #	Description	Flow Rate GPM	Spout Ø	Suction Pipe	Drum Connector	Delivery Hose ft.	Weight lb.	Packaging in.
Foo332A30	Rotary Hand Pump Kit	4	3/4"	included	included	9.8	7	14 x 10 x 7
Foo332A80	Rotary Hand Pump Kit w/ 3D Filter	4	3/4"	included	included	9.8	8	14 x 10 x 7
Foo611D00	3D Filter Kit w/ Housing	-	-	-	-	-	2	6 x 4 x 7
Foo611D10	Piusi 3D Filter Cartridge	-	-	-	-	-	1	6 x 4 x 7
Foo33213A	Piston Hand Pump Kit	4	3/4"	included	included	9.8	7	20 x 10 x 7
Foo332B00	Rotary Hand Pump Tote Kit	4	3/4"	Suction hose	-	9.8	8	11.5 x 12 x 7



DEF NOZZLES

SB 325

9 GPM 1% ACCURACY



SB 325 Automatic



SB 325 Metered
Automatic nozzle with
built-in meter

Break-Away System

In the event that a vehicle accidentally drives away with the nozzle still in the tank, the **spout is designed to detach from the nozzle**. This system allows for a quick repair by merely fitting a new spout onto the nozzle.



Mis-filling Spout Kit

Transform a standard SB 325 nozzle into an **SB 325 Mis-Filling System** by simply fitting a different spout onto the nozzle and inserting the **tank adapter**. This feature **prevents you from having a mis-fill** into the DEF tank.



Part #	Description	Magnetic Adapter	Flow Rate GPM	Meter	Max Operating Pressure		Inlet BSP	Spout ext. Ø	Weight lb.	Packaging in.
					psi	bar				
F00617000	SB 325 Automatic Nozzle	No	9	No	50.8	3.5	3/4"	3/4"	2	18 x 8 x 3
F00617010	SB 325 Metered Automatic Nozzle	No	9	Yes	50.8	3.5	3/4"	3/4"	3	18 x 8 x 3
F19174000	Mis-filling Spout Kit with Bypass Adapter	Yes							1	6 x 5 x 2
F1840000	Magnetic Bypass Adapter for Mis-Filling Spout								1	blister
F15165000	Magnetic Tank Adapter for Mis-Filling Spout								1	blister
R19172000	SB 325 Mis-Filling Replacement Spout								1	blister
R19173000	SB 325 Replacement Spout								1	blister

AUTOMATIC NOZZLE

Automatic DEF nozzle featuring a device that stops the flow when the tank is full.



Spout outer diameter Ø 3/4"

MANUAL NOZZLE

Manual DEF nozzle distinguished by high efficiency, due to the low flow resistance, and inexpensive operation.



Spout outer diameter Ø 3/4"

Part #	Description	Flow Rate	Max operating pressure psi	Weight lbs
F0061903B	Auto-nozzle Hose Tail 3/4" with swivel	11	50	5.7
F0061902B	Auto-nozzle without swivel inlet thread 3/4" BSP	11	50	5.7
F14761000	Manual DEF nozzle	20	50	1
F14132000	Stainless steel swivel hose tail 3/4" BSP			

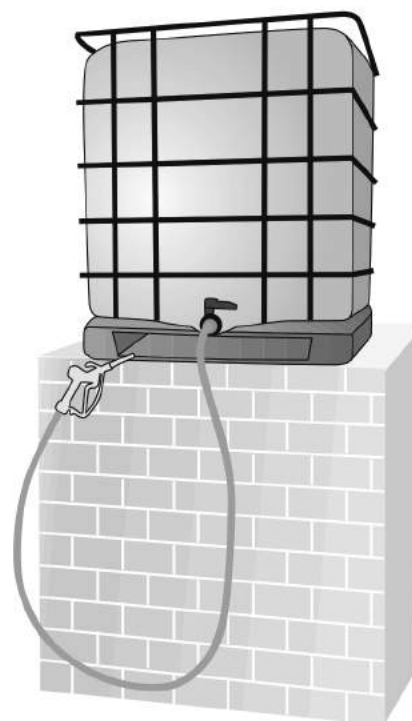
GRAVITYKIT

As an alternative to the electric pump and hand pump options, the **Gravity Kit** offers another method of **dispensing DEF**. Equipped with a manual DEF nozzle and 2" NPT connector; this is an economic means of utilizing your IBC tote to **dispense from an elevated position**.



Technical Features

- Manual nozzle
- 9 ft. of hose
- IBC bottom adapter
- 1" inner hose diameter Ø
- Fits most common IBC Totes



Part #	Description	Packaging
F15517010	Gravity Kit	16 x 11.5 x 8

GREASE GUNS



BATTERY POWERED GREASE GUNS

Alemite cordless grease guns offer the highest grease delivery of any in the market. Our patented design featuring the motor in the handle provides excellent balance with an extremely durable glass fiber reinforced housing.

20 Volt Lithium-Ion (596 & 597 Series)

FEATURES:

- LCD with real-time information:
 - Grease meter
 - Cartridge level
 - Battery capacity gauge
- High and low flow settings
- LED flashlight with on/off control
- Patented airflow management optimizes motor and transmission life

INCLUDES:

- 20 V Battery (models available with one or two batteries)
- 20 V Charger
- Heavy Duty Carrying Case

ACCESSORIES:

- 20 V – 2.5A Li-Ion Battery (343291)
- 20 V – 4.0A Li-Ion Battery (343521)
- 110 V/60 Hz Battery Charger (343500)
- 220 V/50 Hz European Battery Charger (343501)
- 12/24 V DC Mobile Charger (343289)
- 36" (90 cm) Whip Hose (340067)
- Nylon Tool Strap (339812)



597 Series

596 Series

Product #	Charger	Li-Ion Battery ⁽¹⁾	Pressure	Flow Rate (per minute)		Cartridges (per charge)		Tool Weight
				High	Low	High Speed	Low Speed	
596-A1	120 V/60 Hz	(1) 2,500 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	23	24	6.3 lb (2.9 kg)
596-B1	120 V/60 Hz	(2) 2,500 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	23	24	6.3 lb (2.9 kg)
596-C1 (EU)	220 V/50 Hz	(1) 2,500 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	23	24	6.3 lb (2.9 kg)
596-D1 (EU)	220 V/50 Hz	(2) 2,500 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	23	24	6.3 lb (2.9 kg)
597-A	110 V/60 Hz	(1) 4,000 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	38	40	7.0 lb (3.2 kg)
597-B	110 V/60 Hz	(2) 4,000 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	38	40	7.0 lb (3.2 kg)
597-C (EU)	220 V/50 Hz	(1) 4,000 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	38	40	7.0 lb (3.2 kg)
597-D (EU)	220 V/50 Hz	(2) 4,000 mAh	10,000 psi (690 bar)	6.0 oz (170 g)	4.0 oz (113 g)	38	40	7.0 lb (3.2 kg)

⁽¹⁾ Maximum initial voltage, 18 V nominal

BATTERY POWERED GREASE GUNS

14.4 Volt Lithium-Ion (586 Series)

FEATURES:

- Maximum power and pressure
 - Up to 15 cartridges of grease per charged battery
 - Check valve optimizes flow
 - Top-of-class powertrain efficiency handles heavy loads with ease
- Robust reliability
 - Glass-fiber-reinforced nylon housing for superior impact and wear resistance
 - Patented airflow management system optimizes motor and transmission life
 - Handle includes tube guide and charge indicator
- Easy, ergonomic operation
 - Convenient 3-way loading – cartridge, bulk or suction
 - Patented automatic universal follower – no need to flip follower when changing loading methods
 - 3-foot/1 meter ultra-flexible hose for maneuverability in tight, hard-to-reach spots

586 SERIES ACCESSORIES:

- 14.4 V Li-Ion Battery (343432)
- 110 V/60 Hz Battery Charger (343500)
- 220 V/50 Hz European Battery Charger (343501)
- 12/24 V DC Mobile Charger (343289)
- 36" (90 cm) Whip Hose (340067)
- Nylon Tool Strap (339812)



Product #	Charger input	Li-Ion Battery	Pressure	Flow rate (per minute)	Cartridges (per charge)	Tool Weight
586-A	120 V/60 Hz	(1) 2,000 mAh	10,000 psi (690 bar)	5.6 oz (159 g)	15	6.3 lb (2.9 kg)
586-B	120 V/60 Hz	(2) 2,000 mAh	10,000 psi (690 bar)	5.6 oz (159 g)	15	6.3 lb (3.1 kg)
586-C (EU)	230 V/50 Hz	(1) 2,000 mAh	10,000 psi (690 bar)	5.6 oz (159 g)	15	6.3 lb (2.9 kg)
586-D (EU)	230 V/50 Hz	(2) 2,000 mAh	10,000 psi (690 bar)	5.6 oz (159 g)	15	6.3 lb (3.1 kg)

All 586 Series kits include a charger and carrying case.

HAND PUMPS

For 15-55 Gallon Drums

LIGHT
OIL

ATF

Gear
Lube

KEROSENE

DIESEL

Pumps Not Suitable for
Water Based Fluids**BEST
SELLER**

(D-S)

**Features for all models:**

- Variable stroke
- Durable powder coated finish

(381) & (382):

- Steel body with die cast aluminum head and base

(D-S) & (D-S1):

- All steel body

*All four models include a telescoping PVC suction tube.**Steel replacement tube is available (L30-99N).*

Model	381	382	D-S	D-S1
Delivery Rate	1-gal. per 9 strokes	1-gal. per 9 strokes	1-gal. per 9 strokes	1-gal. per 9 strokes
Variable Stroke	Yes	Yes	Yes	Yes
Max Fluid Viscosity	40 wt.	40 wt.	40 wt.	40 wt.
Suction Tube	Telescoping PVC	Telescoping PVC	Telescoping PVC	Telescoping PVC
Non-Drip Tip	No	Yes	No	Yes (D01)
Powder Coat Finish	Yes	Yes	Yes	Yes
Seals	Buna N	Buna N	Buna N	Buna N
Threads on Spout	Garden Hose	Non-Drip Spout	Garden Hose	Non-Drip Spout

Available Accessories:**104006G**

- Locking nut
- Allows 360° positioning on pump
- Fits all above models

D01

- Non-Drip Attachment
- 3/4" GHT

L30-99N

- Steel telescoping suction tube with foot valve
- Fits all above models

170

- Lever Lock
- Fits up to a 1/2" lock
- Fits most lever style drum pumps
- Lock not included

HAND PUMPS

Compatible
with, but not
limited to

ALCOHOL

ANTI-FREEZE

WATER
BASED
FLUIDS

WIND-
SHIELD
WASHER
FLUID

Lever & Pistol Grip Style

Lever Style



Features for All Lever Style Pumps:

- Dispenses a maximum of 12 oz. per stroke
- Lightweight and corrosion resistant
- 1" O.D. telescoping suction tube designed to fit 15-55 gallon drums
- Bung adapter will fit 1 1/4" and 2" drum openings



Retail Packaging

Model	Construction	Seal	Rod	Color	Recommended For (See Pg. 102 for our Chemical Resistance Chart)
374	Polypropylene	FKM & Polypropylene	Plated Steel	Blue	Lubricants, alcohol, and fuel oils
375	Polypropylene	FKM & Polypropylene	Stainless Steel	Yellow	Water-based fluids, Acid, Alkali solutions
376	PPS	FKM & Polypropylene	Stainless Steel	Black	Stronger acids, alkali, 20% nitric acid
377	PPS	FKM & PTFE	Stainless Steel	Black	Stronger acids, alkali, hexane, 20% nitric acid, toluene, toluol, trichlorethane

Pistol Grip Style

CHEMICAL



373

- Dispenses 1-pint per stroke
- Polypropylene and polyethylene construction
- Telescoping suction tube designed to fit 15-55 gallon drums
- 2" bung adapter w/locking nut
- Spout- 3/4" hose barb
- Acetal seal
- Includes 3/4" x 6' hose

Recommended For:

- DEF
- Water-based fluids
- Windshield washer fluid
- Mild detergents
- Oil based lubricants
- Agricultural chemicals
- And many more

170

- Lever lock
- Fits most lever style drum pumps
- Fits up to 1/2" locks

Lock not included



Retail Packaging

Drum locking ring/nut
for positioning the pump
outlet

HAND PUMPS

Compatible
with, but not
limited to

ALCOHOL

ANTI-FREEZE

WATER
BASED
FLUIDS

WIND-
SHIELD
WASHER
FLUID

Lift and Siphon Style

Lift Style



360, 363, & 365:

- Dispenses approximately 1-gal per 8 lifts
- Designed to fit 15-55 gallon containers

Model	Bung Adapter	Construction	Seal	Rod
360	Yes	Polypropylene	FKM	Nickel Plated Steel
363	Yes	Nylon	FKM	Nickel Plated Steel
365	Yes	Nylon	PTFE	Stainless Steel



10044

- Dispenses approximately 1-gal per 16 lifts

10050

- Dispenses approximately 1-gal per 8 lifts

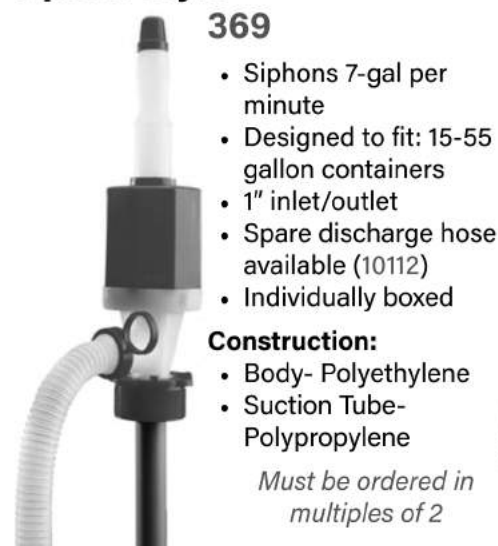
Features for (10044) & (10050):

- Designed to fit 15-55 gallon containers
- Includes 5 gallon pail adapter

Recommended For:

- Water-based fluids
- Light oils
- Mild acids
- Soaps
- Detergents
- Waxes
- Deodorants
- Etc.

Siphon Style



369

- Siphons 7-gal per minute
- Designed to fit: 15-55 gallon containers
- 1" inlet/outlet
- Spare discharge hose available (10112)
- Individually boxed

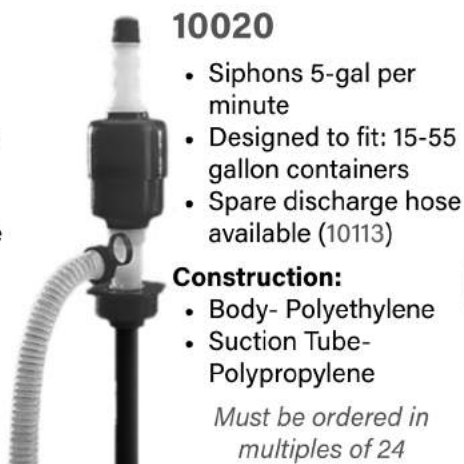
Construction:

- Body- Polyethylene
- Suction Tube- Polypropylene

Must be ordered in multiples of 2

369AR

- Same as (369) but bulk packaged
- Must be ordered in multiples of 24



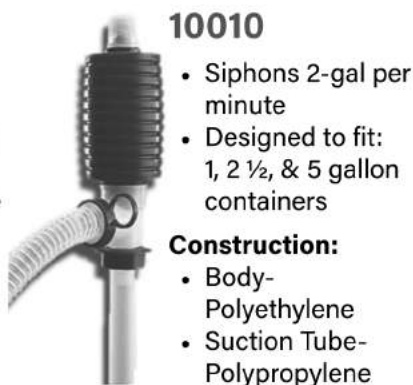
10020

- Siphons 5-gal per minute
- Designed to fit: 15-55 gallon containers
- Spare discharge hose available (10113)

Construction:

- Body- Polyethylene
- Suction Tube- Polypropylene

Must be ordered in multiples of 24



10010

- Siphons 2-gal per minute
- Designed to fit: 1, 2 1/2, & 5 gallon containers

Construction:

- Body- Polyethylene
- Suction Tube- Polypropylene

Must be ordered in multiples of 120

CHEMICAL

Siphon pumps are ideal for transferring or dispensing harsh chemicals. Their complete polypropylene/polyethylene construction makes them compatible with a wide range of industrial fluids. Please consult our Chemical Resistance Chart on Pg. 102 for specific compatibility concerns.

DRUM EQUIPMENT

Dollies & Cradles



105



120



130-S



138-S



140-S



140-SOR

Model	Caster Material	Diameter (Min - Max)	Maximum Load
Designed for 5-6 ½ Gallon Pails			
105	Phenolic	10" - 11 5/8"	200lbs.
105-S	Steel	10" - 11 5/8"	200lbs.
Designed for 15-16 Gallon Drums			
120	Phenolic	13 1/2" - 14 1/4"	200lbs.
120-S	Steel	13 1/2" - 14 1/4"	200lbs.
Designed for 30 Gallon Drums			
130-S	Steel	Max - 18"	300lbs.
Designed for 55 Gallon Drums			
138-S	Phenolic	Max - 23"	450lbs.
140-S	Steel	Max - 23"	450lbs.
140-SOR	Steel	Max - 23"	450lbs.



135

- Drum cradle with axle and wheels

137

- Drum cradle **without** axle and wheels



135WC

- Drum cradle with axle, wheels, and casters

Model	135	135WC	137
Tips & Rotates	Yes	Yes	Yes
Stores	55 gallon drum	55 gallon drum	55 gallon drum
Self Storing Lever Bar	Yes	Yes	Yes
Capacity	600lbs.	600lbs.	600lbs.
Axle & Wheels	Yes	Yes	No
Casters	No	Yes	No

ACCESSORIES

Shure

Manufacturing Corporation
Workbenches • Tool Storage • Storage Cabinets • Shop Equipment • Shelving Solutions

For over 70 years, Shure has placed a premium on QUALITY-- in our Products, People & Performance!



About Shure

SHURETECH® Bench Systems integrate tool and part storage with a large work surface, 400lb. drawer capacity and are available in various lengths to meet any shop's individual needs. Combine **SHURETECH®** cabinets to **CUSTOMIZE** your desired bench length, add upper binder cabinets, add additional shop equipment available by Shure

Shure Manufacturing Corporation has been a proud manufacturer of shop equipment since the 1940s. Shure designs, engineers and manufactures high quality professional workbenches, tool storage, storage & handling systems, transmission benches, technician carts and various shop equipment. Shure's state-of-the-art manufacturing facility is centrally located in Washington, Missouri USA and features high-tech laser precision cutting equipment, computerized fabrication equipment and a high-tech powder paint line offering hundreds of color options.

- Improve Your Image, Productivity And Efficiency
- Attract And Retain The Best Qualified Service Technicians
- Increase Customer Loyalty And Service Revenues



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EQUIPMENT**
SALES & SERVICE
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Advantage

- 5-25 HP Range
- 175 PSIG
- 17.3-90.1 CFM
- Vertical & Horizontal Tanks
- Fully Packaged
- Simplex or Duplex Configurations



R-Series

- 2-30 HP Range
- 125-175 PSIG
- 4.2-204 CFM
- Splash Lubricated
- Vertical, Horizontal or Base Mounted
- Simplex or Duplex Configurations



PL-Series

- 3-30 HP Range
- 125-250 PSIG
- 8-204 CFM
- Pressure Lubricated
- Vertical, Horizontal or Base Mounted
- Simplex or Duplex Configurations



Evolution

- 5-15 HP Range
- 175 PSIG
- 16.8-46.6 CFM
- Splash Lubricated
- Horizontal or Base Mounted
- Quiet Enclosure 67-70 dBA



A Complete Line of Compressors & Aftermarket Equipment

For more than 95 years Champion has been the leader in manufacturing dependable compressed air systems. With a range of .5-30 HP, Champion has the reciprocating compressor to meet any customer's air demand. At Champion we are committed to delivering superior products with the exceptional standards you expect.



Engine Driven

- 9-23 HP Range
- 175-250 PSIG
- 20.1-59 CFM
- Splash or Pressure Lubricated
- Horizontal or Base Mounted
- Gas or Diesel Engines



RV-Series

- 2-15 HP Range
- 125-175 PSIG
- 7.5-50.2 CFM
- Vertical & Horizontal Tanks
- Reed Valve Pump
- Electric Motor & Starter



Climate Control

- .5-25 HP Range
- 80 PSIG
- 2.2-205 CFM
- Splash Lubricated
- Vertical, Horizontal or Base Mounted
- Simplex or Duplex Configurations



Commandair

- .5-3 HP Range
- 90 PSIG
- 1.8-10.2 CFM
- Splash Lubricated
- Vertical, Horizontal or Base Mounted
- Sprinkler Systems Available



Value Plus

- 3-15 HP Range
- 100-175 PSIG
- 10.2-44.4 CFM
- Splash Lubricated
- Vertical & Horizontal Tanks
- Engine & Electric Drive Units



A-Series Pumps

- 15-40 HP Range
- 30-350 PSIG
- Compressor, Booster, & Vacuum
- Air & Natural Gas Models
- Oil Level Dipstick
- Drive Sheave with Turbo Fins



Air-On-Line

- 1.5-8 HP Range
- 100-175 PSIG
- 4.3-15.7 CFM
- Hand-Held, Wheeled & Base Mounted
- Electric & Gas
- Splash Lubricated



L & LRS-Series

- Oil-Flooded Rotary Screw
- Belt Drive, Fixed & Variable Speed
- 5-40 HP
- 100-190 PSIG
- 26-193 CFM
- Load/No Load Controls (Fixed Speed)
- Tank or Base Mounted with Optional Dryer Configurations



D & DRS-Series

- Oil-Flooded Rotary Screw
- Fixed & Variable Speed
- 5-200 HP
- 100-150 PSIG
- 16-926 CFM
- 100% Duty Cycle Operation
- Base-Mount or Air System Configurations



LV & LVR-Series

- Oil-Flooded Rotary Vane
- Direct Drive, Fixed Speed
- LV: 2-5 HP
LVR: 7.5-10 HP
- LV: 100-150 PSIG
LVR: 100-150 PSIG
- LV: 5-39 CFM
LVR: 22-72.8 CFM
- Simplex or Duplex Configurations



CA-Series

- 100% Oil-Less Rotary Scroll
- 3-10 HP
- 116 or 140 PSIG
- 9.2-126.4 CFM
- Industrial & Medical
- Enclosed or Unenclosed
- Simplex or Multiplex Configurations



Champion offers a complete line of compressors as well as a wide array of aftermarket items to ensure excellent air quality. From various models of air dryers to filters and piping, Champion has the products to allow for a total air system to be installed no matter what the customer's application. For a full product listing please visit our website or contact your local distributor.

CHAMPION®

1301 North Euclid Avenue
Princeton, Illinois 61356 USA
www.ChampionPneumatic.com/ContactUs.aspx
866-276-4330
www.ChampionPneumatic.com



CUBE



Features & Components Included

- Robust Double Wall Containment
- Outer Tank Holds 110% of Inner Tank Volume
- 6 GPM 120V Pump
- General Construction Inspection Approval Z-40321-510
- Hinged, Lockable Lid
- Integral Sump
- Electronic Overfill Sensor
- Audible Overfill Alarm
- 2" Dry Break Fill Port
- Liquid Level Gauge
- Auto Nozzle and Nozzle Holder
- Fully Assembled and Pre-Wired
- Pulse Meter allows user to connect to most card reader systems. (Optional)
- Extreme Cube includes a 500W internal probe heater to prevent DEF from freezing.



Internal Probe Heater



Pulse Meter Option



Liquid Level Gauge



Audible Overfill Alarm

<u>Capacity</u>	<u>Weight (LBS)</u>	<u>Dimensions (WxDxH)</u>
396 Gal	451	47x45x71 inches
660 Gal	584	47x71x71 inches



Island Ready Footprint



SOUTHERN EASYTANK



Standard Tank Features:

- Fill & Dispense Bulkheads
- Fittings Package (2) QD Valves
- 500 – 20,000 Gallons Available

Optional Tank Features:

- 25 ft or 50 ft Hose Reel added to Pedestal
- Pulse Meter Assembly for Fuel Management System
- 2" Bulkhead for Tank Monitoring System

Remote Dispense Pedestal Features:

- 15"W x 15"D x 54"H (Pedestal w/out reel)
- 26 ¼ "W x 15"D x 54"H (Pedestal w/reel)
- TD10-115V Diaphragm Pump
- Turbine Flow Meter
- 20'/6' Dispense/Suction Hoses



www.Blue1EnergyEquipment.com | 864.385.7030

NORTHERN EASYTANK



Standard Tank Features:

- 2" Layer Closed Cell Foam Insulation
- Polyester Reinforced Tank Wrap
- Fill & Dispense Bulkheads
- Fittings Package (2) QD Valves
- 500 – 20,000 Gallons Available

Optional Tank Features:

- Immersion Heater for Extreme Temps

Mounted Dispense Cabinet Features:

- 24"W x 48"H x 27"D
- TD10-115V Diaphragm Pump
- Turbine Flow Meter
- 25' Hose Reel
- 400W Heater with Auto Thermostat
- Liquid Level Indicator

Optional Cabinet Features:

- 50 ft Hose Reel
- Pulse Meter for Fuel Management System



TOTE CABINET



Features & Components Included:

- Pre-wired electrical components certified to UL-508A & CSA C22.2 standards
- Pre-wired light, on/off switch & GCFI outlet require 110V, 30 amp service
- Weatherproof, insulated housing, door & roof
- Aesthetically pleasing, smooth, glossy white exterior finish
- Fold down access door for convenient fueling of either lane
- Lockable, heavy-duty door handles (on fold down and double doors)
- Optional built-in dispenser
- Forklift compatible frame, anchoring package included

<u>Capacity</u>	<u>Weight (LBS)</u>	<u>Dimensions (WxDxH)</u>
Single	1300	48x96x87 inches
Double	1900	48x144x89 inches



DRUM CART



Features & Components Included

- Works with TD1 or TD12V Pumps
- Fits 55 Gallon Drum (not included)
- Accommodates 10 or 20 ft. Dispense Hose
- Closed, Secure System with Blue1 High Flow Valve and Coupler
- 16 Gauge Steel, Powder Coated Body
- Lockable Front Wheel
- Durable, Heavy Duty
- Battery Mount Option Available

(Drum not included.)

The Blue1 DEF drum cart is designed for extended service lift and easy use in a variety of operational environments. Our DEF drum carts feature a Blue1 diaphragm style DEF pump and up to 20 ft. of DEF hose. This is a complete, closed system that allows the end user to safely move a 55 gallon drum to the point of dispense.

You may also need:

4 Pin Valve Install Tool

Tamper Evident Wire Seal

Replacement Back Wheel

Replacement Back Axle

Replacement Front Wheel

Options



10 or 20 ft. hose



Flow Meter



Battery Mount
(battery not included)



Drum Cart
Available without
Pump





Features & Components Included

- 12v Submersible Pump Option
- 20 ft. Dispense Hose
- Rugged All-Poly Housing
- Molded Recesses for Tie Downs During Transport
- Integrated Nozzle Holder Auto Shut Off Nozzle w/ Swivel
- Forklift Recesses
- Integrated Carry Handles
- Lockable Lid for Complete Security

The Blue1 TPDU-P features the same convenience, portability, and durability of the TPDU-M, but in a slightly lighter weight package. Made from ISO 22241 compliant rotationally molded high density polyethylene (HDPE,) the TPDU-P is UV and rust resistant for years of service in the harshest of conditions. The TPDU-P is equipped with Blue1's 12V Mini Submersible pump which reduces cost without sacrificing ease of use.

<u>PDU Capacity</u>	<u>Weight (LBS)</u>	<u>Dimensions (LxDxH)</u>
33 Gallons	60	32x24x18 in
53 Gallons	62	32x24x23 in
113 Gallons	130	46x30x29 in
158 Gallons	156	46x32x40 in



TPDU-M



Features & Components Included

- TD12V Self-Priming Diaphragm Pump
- 20 ft. Dispense Hose
- 4 ft. Suction Hose
- Auto Shut Off Nozzle w/ Swivel
- Blue1 High Flow Valve
- Blue1 High Flow Dispense Coupler
- DEF Port will only accept DEF Nozzle
- Forklift Accessible for Easy Transport
- Lockable Lid for Complete Security
- Front View Strip for Fluid Level Visibility

The Blue1 Portable Dispensing Unit (TPDU-M) is a DEF compliant, enclosed, secure mobile dispensing system. Our PE tank is ISO 22241 compliant for use with DEF. The TPDU-M comes with an easy to lift, hinged lid that keeps equipment and DEF free from dust and debris and the locking arm keeps the lid open when in use. The TPDU-M has a tamper proof locking system for total security. This unique dispensing system is housed in heavy duty powder coated carbon steel with a rust resistant finish. The outside view strip allows operator to monitor DEF levels.

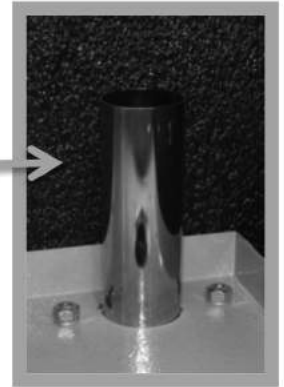
<u>PDU Capacity</u>	<u>Weight (LBS)</u>	<u>Dimensions (LxDxH)</u>	<u>Heated</u>
20 Gallons	131	30x18x22 in	No
60 Gallons	200	45x24x30 in	No
100 Gallons	261	48x30x34 in	No



TPDU-M HEATED



Standard 110V Power Receptacle



Temperature probe installed. Temperature control activated at 30°F

The Blue1 heated PDU is insulated and fitted with a 120 vac 475 watt heating system that is designed to prevent the DEF from freezing in minimum ambient conditions down to -40°F (-40°C).

The heating system consists of two low watt density, low profile, waterproof, pressure laminated heater pads. One heater pad is attached directly to the exterior of the polyethylene DEF Tank and the second heater pad is attached directly to the underside of the PDU Equipment Tray. The heaters are connected to an Electronic Temperature Controller that is also located on the underside of the PDU Tray. This Temperature Controller will automatically energize and de-energize both heaters based upon the ambient air temperature being monitored and measured inside of the PDU Enclosure. The entire heating system becomes functional when a 120vac power supply is plugged into the Power Receptacle on the side of the PDU enclosure. A 20 foot industrial grade extension cord is included with the system. The heating system will automatically switch on and remain switched on when the Temperature Controller is registering an ambient air temperature below 30°F (-1.1°C) inside of the PDU Enclosure. The heating system will automatically switch off and remain switched off during all time periods when the Temperature Controller is registering ambient air temperatures above 30°F (-1.1°F) inside the PDU Enclosure.

<u>PDU Capacity</u>	<u>Weight (LBS)</u>	<u>Dimensions (LxDxH)</u>	<u>Heated</u>
60 Gallons	235	45x24x30 in	Yes
100 Gallons	296	48x30x34 in	Yes

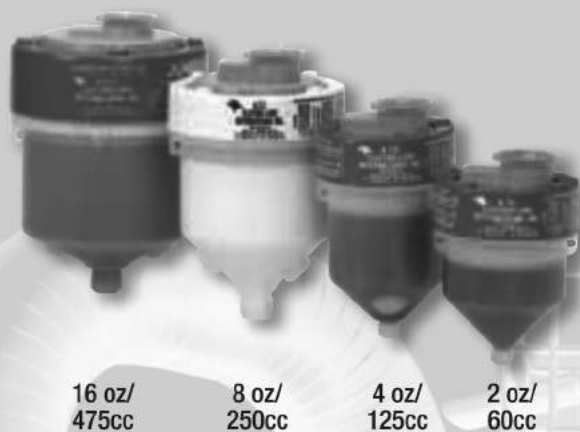




ATS ELECTRO-LUBE
INTERNATIONAL INCORPORATED

ELECTRO-LUBER SERIES

GAS-DRIVEN LUBRICANT DISPENSER – 50 PSI



16 oz/
475cc

8 oz/
250cc

4 oz/
125cc

2 oz/
60cc

JACK SERIES

MOTOR-DRIVEN JACKSCREW LUBRICANT DISPENSER – 200 PSI



Jack 125 Luber &
Replacement Cartridge

Jack 250 Luber &
Replacement Cartridge

ULTIMATE SERIES

MOTOR-DRIVEN LUBRICANT DISPENSER – 1000 PSI



17 oz/
500cc

8 oz/
250cc

4 oz/
125cc

Includes Internal
Homogenizing Mixer

TITAN SERIES

MOTOR-DRIVEN LUBRICANT DISPENSER – 1000 PSI



Titan II

Titan

Titan Oiler

Includes Internal
Homogenizing Mixer

Remote Control Options available for all series

ACCOUNT INFORMATION APPLICATION FOR COMMERCIAL CREDIT

OFFICE USE ONLY:

Account #: _____

Salesman: _____

Related Acct #: _____



HALRON

LUBRICANTS Inc.

OUR TANKS TO YOU™

BILL TO: Legal Company Name: _____ Trade Name: _____ Mailing Address: _____ City/State/Zip: _____ Telephone No.: (____) _____ Facsimile No.: (____) _____ Accounts Payable Contact: _____	SHIP TO: Company Name: _____ Street Address: _____ City/State/Zip: _____ * County: _____ Telephone No.: (____) _____ Facsimile No.: (____) _____ A/P E-mail Address: _____
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Payment will be made by: ☐ Invoice ☐ Statement ☐ Electric Funds Transfer (EFT)
Products you may be purchasing: ☐ Bulk Lubricants ☐ Packaged Goods ☐ Waste Oil ☐ Other _____
Current supplier: _____

Federal ID No: _____ **Years in Business:** _____ **Purchase Order Required** ☐ Yes ☐ No
Exempt Status: ☐ Not exempt ☐ Sales Tax Exempt # _____
(All tax exempt customers must have a signed certificate on file or tax will be charged.)
Type of Business: _____

If a PROPRIETOR or PARTNERSHIP, please complete this section: ☐ Proprietor ☐ Partnership ☐ LLP

Partner or	% Of Ownership: _____%
Proprietor Name: _____	Home Tel.: (____) _____
Street: _____	SS No.: _____
City/State/Zip: _____	Birth Date: _____

Partner or	% Of Ownership: _____%
Proprietor Name: _____	Home Tel.: (____) _____
Street: _____	SS No.: _____
City/State/Zip: _____	Birth Date: _____

If a CORPORATION, or LIMITED LIABILITY COMPANY, please complete this section: ☐ C-Corp ☐ S-Corp ☐ LLC

President: _____	Managing Member: _____
Vice President: _____	Secretary: _____
	Treasurer: _____

Please give one bank and three commercial credit references (attach additional schedules if necessary):

Bank Name & City: _____	Checking Acct. No.: _____	Savings Acct. No.: _____
Company Name: _____	Telephone No.: (____) _____	
Company Name: _____	Telephone No.: (____) _____	
Company Name: _____	Telephone No.: (____) _____	

NOTICE TO CUSTOMER:

Do not sign this before you read this agreement and the Payment Terms and Credit Policy, which is also part of this document.

Credit line requested: \$ _____ Recent financial statement required for credit lines over \$5,000.

I understand the payment terms and credit policy of HALRON. I authorize HALRON to contact any or all references listed above and further authorize these references to disclose financial information requested by HALRON on an ongoing basis. I authorize HALRON to obtain information regarding my credit on a continuing basis. I authorize HALRON to provide information about my credit to a third party. I guarantee to pay all costs and expenses of legal or collection proceedings to collect any delinquent account, including reasonable attorney's fees. I agree that collection or legal action may be taken in Brown County, Wisconsin. I agree to notify HALRON in writing of any material change in any information set forth herein and provided herewith.

Signature of Authorized Representative

Title

Date

www.Halron.com

EMERGENCY 24 HR SERVICE

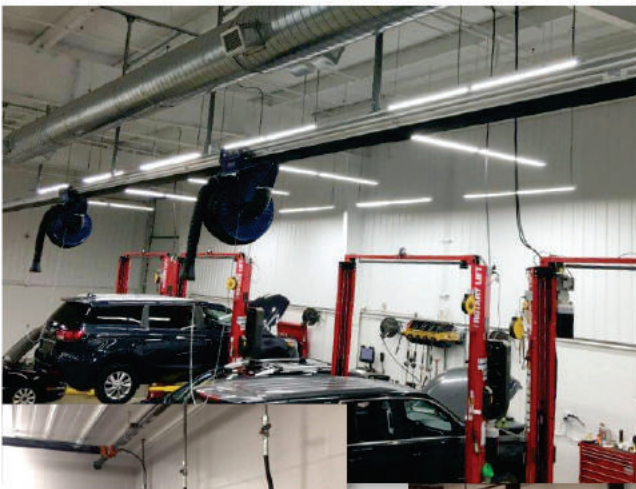




Your Trusted Partner



HALRON
LUBRICANTS Inc.



Your Trusted Partner



HALRON **EQUIPMENT** *Your Trusted Partner*

Since 1927 **Halron** has been a Respected Distributor of high quality petroleum products and services to customers in Wisconsin and Michigan's Upper Peninsula. As a 4th generation family owned business we take tremendous pride in providing outstanding customer service. This is the cornerstone of our business philosophy. Get the customer what they want, when they want it, and how they want it.

Halron offers a wide range of lubricants and related products to a very diverse customer base. We provide lubrication solutions for automotive dealerships, service shops, quick lubes, tire centers, truck dealerships, truck fleets, heavy duty repair shops, paper mills, forestry operations, manufacturing plants, metal working shops, food processing plants, farmers, aviators and many more.

Halron is a relationship based organization. We pride ourselves in understanding our customer's business needs providing the products and services that will increase their productivity, reduce their down time and maximize their equipment life. Your trusted partner for over 90 years. Give us a call today.



www.Halron.com

EMERGENCY 24 HR SERVICE

GREEN BAY

1618 State Street
Green Bay, WI 54304
800-236-5845

WISCONSIN RAPIDS

611 25th Ave. North
Wisconsin Rapids, WI 54495
800-842-5766

MADISON

4707 Pflaum Road
Madison, WI 53718
800-634-9937

MILWAUKEE

5933 N 55th Street
Milwaukee, WI 53218
800-634-9937

SPARTA, WI

1111 River Road
Sparta, WI 54656
800-634-9937