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## The ROTARY LIFT® Promise

1. We have the products you need – where you need them. Promise.
2. We design and test our products to perform when you need them - without letting you down. Promise.
3. We provide the highest quality available on the market today. Promise.
4. We put our experience to work for you, so you can do what you do best. Promise.

Over the last ten years, our customer satisfaction levels have exceeded 96%! Work with us and you'll be satisfied as well. We promise.

For more information and a complete guide to our product offering, visit us on the web at [rotarylif.com](http://rotarylif.com) or contact your local distributor today.



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# Rotary Inground

HEAVY DUTY INGROUND LIFTS



SIMPLE  
PENDANT ONLY  
CONTROLS



NO FLOOR MOUNTED  
CONTROL CABINET  
• OPEN BAY DESIGN •



ENVIRONMENTALLY-  
FRIENDLY

# ROTARY LIFT

THE WORLD'S MOST TRUSTED LIFT



Lit# HD\_Inground Brochure\_2014.11  
(SUPERSEDES Lit# HD\_Inground\_2014.10)

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[www.rotarylif.com](http://www.rotarylif.com)



Contact us for training sessions in your area or online.



For Rotary Lift Government Purchases: 1.800.445.5438 x5655



Universal Saddle Adapters / U.S. Patent No. 6,471,009 LDS Liquid Detection System / US Patent No. 6,814,187

Model Shown: MOD35 MOD235xyz 70,000 lbs. capacity Inground Lift

[www.rotarylif.com](http://www.rotarylif.com)

# TRADITIONAL INGROUND

18,500 - 75,000 LBS. CAPACITIES

Rotary heavy-duty inground lifts are designed to increase productivity by providing an obstruction free shop and decades of service with minimum maintenance costs. Each lift offers the adjustability needed to service a wide variety of vehicles in a single bay. Whether fully hydraulic or electric hydraulic, two posts or three, numerous options are available to let you customize your lift for your exact needs.

*"Athens Transit purchased two traditional inground lifts manufactured by Rotary Lift and were installed in January 2010. The lifts are used daily to maintain a fleet of transit buses. The inground lifts increase productivity for technicians due to the lesser time required to set up an above ground lift. Rotary Lift meets our quality standards and I expect many years of useful life from the Rotary Lifts Athens Transit purchased in 2010."*

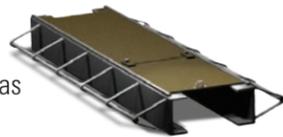
**- Terry W. Ferguson**  
Transit Maintenance Administrator  
Athens Transit System - Athens, Georgia

### Continuous Trench Design

The lift is housed in a continuous concrete vault which forms a barrier between the lift and the ground; increasing the life of the lift and protecting the environment. This enclosed design allows for easy access to all components for inspection and maintenance

### Standard Front Pit Covers

Manually moveable pit covers are standard on inground lifts. They can be moved to eliminate dangerous pit openings as required by OSHA.

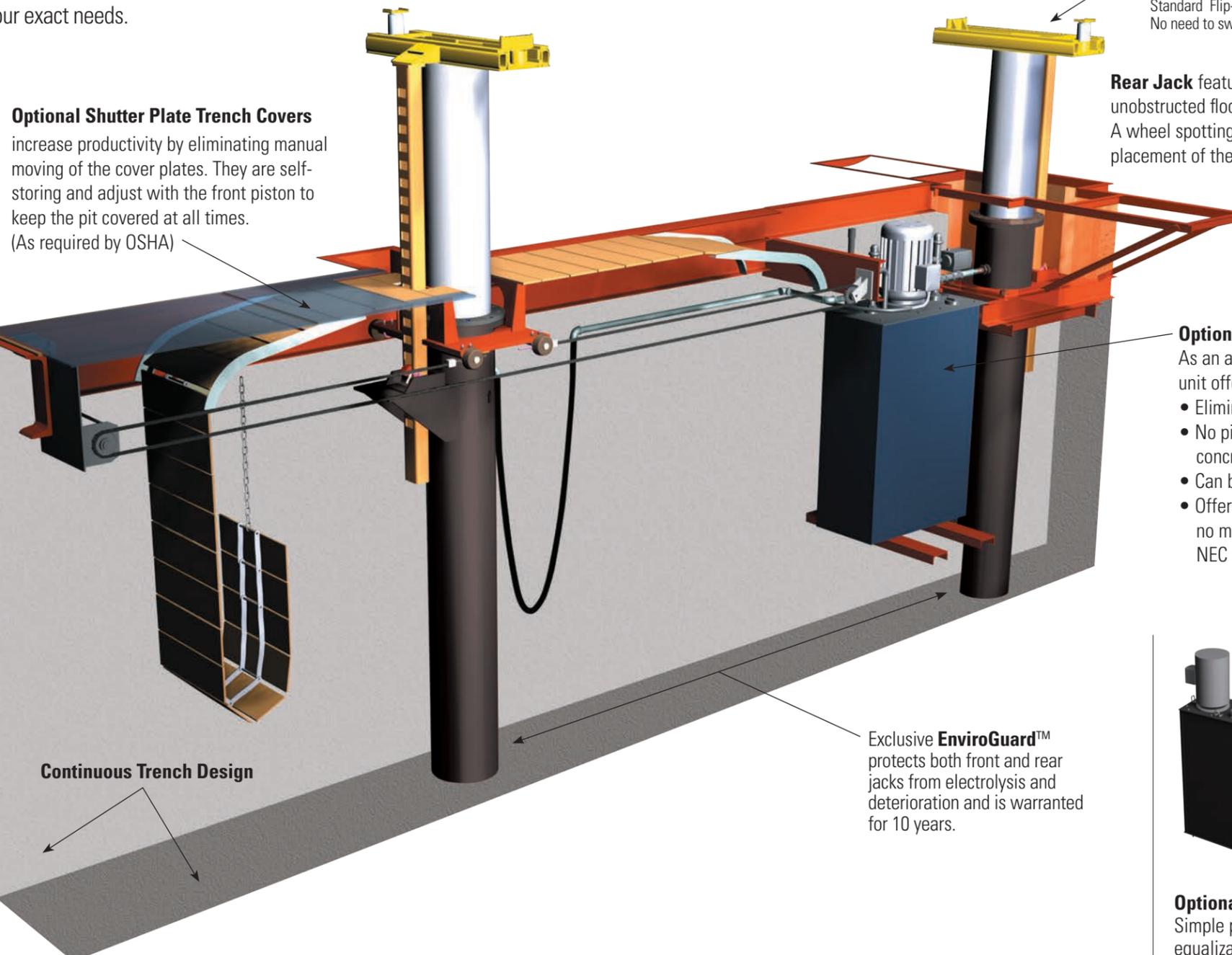


### Front Jack

Hydraulic adjustment allows for easy positioning to meet various wheelbases. The lift is available with an optional recessed front jack pocket which provides an unobstructed floor when the lift is in the down position.

### Removable Hydraulic Jack Assembly

The jack assembly in both the front and rear housing is removable for inspection or repair without the need to break concrete, and each jack has an 18-position locking leg which locks every 3". The jack can be released automatically for lowering without going under the lift.



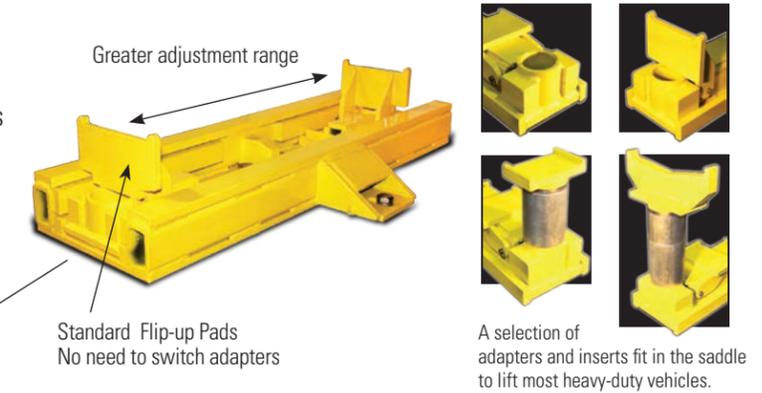
**Optional Shutter Plate Trench Covers** increase productivity by eliminating manual moving of the cover plates. They are self-storing and adjust with the front piston to keep the pit covered at all times. (As required by OSHA)

**Continuous Trench Design**

**Front Jack**  
Provides easy positioning to meet various wheelbases

### Patented Universal Saddle Adapter

The universal saddle adapter is designed for the front or rear post. A selection of adapters and inserts fit in the saddle to lift most difficult heavy-duty vehicles. Standard flip-up pads permit fastest setup with no need to swap adapters. Most inserts rotate 360 degrees. A **lower profile version** is available for specific transit applications.



**Rear Jack** features a recessed pocket for an unobstructed floor when the lift is in the down position. A wheel spotting dish, for axle positioning, guides the placement of the vehicle for lifting.

### Optional In-Trench Equalized Power Unit

- As an alternative to a surface-mounted power unit, an in-trench unit offers many benefits:
- Eliminates the need for valuable floor space
  - No piping or trenches from the power unit to the lift, reducing concrete work and cutting overall piping by 80%
  - Can be removed for service or repair without breaking concrete
  - Offers a low noise level with self-equalized operation, requires no manual adjustment raising and lowering the lift and meets NEC class 1, division 1 standards

Exclusive **EnviroGuard™** protects both front and rear jacks from electrolysis and deterioration and is warranted for 10 years.



### Inground Options

#### Surface Mounted Power Unit

The power unit may be sized for one or more lift hook-ups without equalized control.

### Optional Push Button Equalized Controls

Simple push button controls eliminate manual equalization of handles. The control box can be mounted on either the floor or wall.



Shown: RU70Q  
50,000 lbs. capacity continuous trench lift shown with optional shutter plate trench covers and in-trench power unit

### Identifying Model Numbers

#### Examples:

**RU70Q** = Recessed front superstructure with shutter plate trench covers, continuous trench design for an equalized in-pit power unit.

**MOD35** = Modular & environmentally safe in-ground.

**EFX60** = Modular in-ground scissor lift.

Prefix	Lift Model	Suffix
RU	70	Q
MOD	35	
EFX	60	

#### Prefix Description:

- MOD:** Modular & Environmentally Safe Inground lift
- EFX:** Environmentally Friendly Scissor lift
- None:** Non-Recessed Front Superstructure
- R:** Recessed Front Superstructure
- RU:** Recessed Front Superstructure with Shutter Plate Trench Covers

#### Suffix Description

- C:** Continuous Trench Design for a Surface Mounted Power Unit
- P:** Continuous Trench Design for an In-Pit Power Unit
- Q:** Continuous Trench Design for an Equalized In-Pit Power Unit
- HC:** Continuous Trench Design for an Air/Oil Tank

### Rotary Offers The Accessories Techs Need To Get The Most From Their Lift.

#### Tripod Stands

Models RS18 and RS33  
Spring assisted caster wheels and height adjustment allow for easy positioning with 4" fine tune screw adjustment



**RS18** - 18,000 lbs. capacity  
56.1" – 82.3" range

**RS33** - 33,000 lbs. capacity  
55.31" – 82.28" range

**RS1852** - 18,000 lbs. capacity  
34.3" – 55.5" range



RS 33 versatile height adjustments shown

#### Liquid Evacuation Kit

This kit is designed to provide automatic evacuation of fluids captured in the lift containments and detected by the liquid detection system. Separate pumps are located in each jack housing.



#### Adapter Rack

Keeps the lift bay clear and uncluttered and all your adapters in one place.



Shown: FD2361

### SPECIFICATIONS

Models:	MODULAR LIFTS		
	MOD235 2-Post MOD335 3-Post	MOD30 / MOD30 3-Post	EFX60 EFX90
Lifting Capacity	70,000 lbs. (27216kg) 105,000 lbs. (40824kg)	60,000 lbs. (27216kg) 90,000 lbs. (40824kg)	60,000 lbs. (13608kg) 90,000 lbs. (40824kg)
Lifting Capacity (front piston)	35,000 lbs. (13608kg)	30,000 lbs. (13608kg)	30,000 lbs. (13608kg)
Lifting Capacity (center piston)	35,000 lbs. (13608kg)	30,000 lbs. (13608kg)	30,000 lbs. (13608kg)
Lifting Capacity (rear piston)	35,000 lbs. (13608kg)	30,000 lbs. (13608kg)	30,000 lbs. (13608kg)
Power Unit	(2 or 3) 5hp (3.75kw)	(2 or 3) 5hp (3.75kw)	10hp (7.457kw) 15hp (11.21kw)
Pressure	770/950	750/900	3,900 psi
Oil Displacement	19.3 gal	19.3 gal	7 gal / 11 gal
Rise (front piston)	70" (1803mm)	70" (1803mm)	70" (1778mm)
Rise (center piston)	N/A	70" (1803mm)	70" (1803mm)
Rise (rear piston)	70" (1803mm)	70" (1803mm)	70" (1778mm)
Piston Diameter (front piston)	9 1/16" - 7 7/8" (230 - 200mm)	9 1/16" - 7 7/8" (230 - 200mm)	7" (178mm)
Piston Diameter (center piston)	9 1/16" - 7 7/8" (230 - 200mm)	9 1/16" - 7 7/8" (230 - 200mm)	7" (178mm)
Piston Diameter (rear piston)	9 1/16" - 7 7/8" (230 - 200mm)	9 1/16" - 7 7/8" (230 - 200mm)	7" (178mm)
Std. Adapter Adjustment* (front piston)	17 15/16" - 44 1/4" (456 - 1124mm)	17 15/16" - 44 1/4" (456 - 1124mm)	28 3/8" - 52" (721 - 1321mm)
Std. Adapter Adjustment* (center piston)	17 15/16" - 44 1/4" (456 - 1124mm)	17 15/16" - 44 1/4" (456 - 1124mm)	28 3/8" - 52" (721 - 1321mm)
Std. Adapter Adjustment* (rear piston)	13 3/4" - 50 3/4" (349 - 1289mm)	17 15/16" - 44 1/4" (456 - 1124mm)	28 3/8" - 52" (721 - 1321mm)
Drive-Thru/Over Clearance	Recessed	Recessed	Recessed

TRADITIONAL LIFTS	
60C/60P 60HC	68C/68P
20,000 lbs. (9072kg) 18,500 lbs. (8392kg)	32,000 lbs. (14515kg)
8,000 lbs. (3629kg) 6,500 lbs. (2948kg)	14,000 lbs. (6350kg)
N/A	N/A
12,000 lbs. (5443kg) 12,000 lbs. (5443kg)	18,000 lbs. (8165kg)
5hp (3.75kw) N/A	10hp (7.5kw)
185 165	275
43 gal	41.5 gal
70" (1778mm)	60" (1524mm)
N/A	N/A
67" (1702mm)	69" (1753mm)
8 1/2" (216mm)	8 1/2" (216mm)
N/A	N/A
10 5/8" (270mm)	10 5/8" (270mm)
40 3/4" - 58 3/4" (1035-1492mm)	35" - 56 1/2" (889-1435mm)
N/A	N/A
19 1/8" - 44" (486-1118mm)	14" - 50 3/4" (356-1289mm)
4 1/2" (114mm)	4 3/4" (121mm)

Model:	TRADITIONAL LIFTS					
	70C/70P/70Q 70HC	R70C/R70P/R70Q RU70P/RU70Q	10210C/10210P 10210Q	R10210C R10210P/R10210Q RU10210Q	703C 703P 703Q	R703C R703P/R703Q RU703Q
Lifting Capacity	50,000 lbs. (22680kg) 24,000 lbs. (10887kg)	50,000 lbs. (22680kg)	75,000 lbs. (34020kg)	75,000 lbs. (34020kg)	75,000 lbs. (34020kg)	75,000 lbs. (34020kg)
Lifting Capacity (front piston)	25,000 lbs. (11340kg) 12,000 lbs. (5443kg)	25,000 lbs. (11340kg)	25,000 lbs. (11340kg)	25,000 lbs. (11340kg)	25,000 lbs. (11340kg)	25,000 lbs. (11340kg)
Lifting Capacity (center piston)	N/A	N/A	N/A	N/A	25,000 lbs. (11340kg)	25,000 lbs. (11340kg)
Lifting Capacity (rear piston)	25,000 lbs. (11340kg) 12,000 lbs. (5443kg)	25,000 lbs. (11340kg)	50,000 lbs. (22680kg)	50,000 lbs. (22680kg)	25,000 lbs. (11340kg)	25,000 lbs. (11340kg)
Power Unit	25,000 lbs. (11340kg) 12,000 lbs. (5443kg)	10hp (7.457kw)	10hp (7.457kw)	10hp (7.457kw)	10hp (7.457kw)	10hp (7.457kw)
Pressure	350 N/A	350	350	350	350	350
Oil Displacement	49.5 gal	52.6 gal	76.2 gal	79.3 gal	72.4 gal	78.5 gal
Rise (front piston)	66" (1676mm)	66" (1676mm)	66" (1676mm)	66" (1676mm)	66" (1676mm)	66" (1676mm)
Rise (center piston)	N/A	N/A	N/A	N/A	69" (1753mm)	69" (1753mm)
Rise (rear piston)	69" (1753mm)	69" (1753mm)	69" (1753mm)	69" (1753mm)	66" (1676mm)	66" (1676mm)
Piston Diameter (front piston)	10 5/8" (270mm)	10 5/8" (270mm)	10 5/8" (270mm)	10 5/8" (270mm)	10 5/8" (270mm)	10 5/8" (270mm)
Piston Diameter (center piston)	N/A	N/A	N/A	N/A	10 5/8" (270mm)	10 5/8" (270mm)
Piston Diameter (rear piston)	10 5/8" (270mm)	10 5/8" (270mm)	(2) 10 5/8" (270mm)	(2) 10 5/8" (270mm)	10 5/8" (270mm)	10 5/8" (270mm)
Std. Adapter Adjustment* (front piston)	19 1/8" - 44" (486-1118mm)	19 1/8" - 44" (486-1118mm)	19 1/8" - 44" (486 - 1118mm)	19 1/8" - 44" (486 - 1118mm)	19 1/8" - 44" (486 - 1118mm)	19 1/8" - 44" (486 - 1118mm)
Std. Adapter Adjustment* (center piston)	N/A	N/A	N/A	N/A	19 1/8" - 44" (486 - 1118mm)	19 1/8" - 44" (486 - 1118mm)
Std. Adapter Adjustment* (rear piston)	19 1/8" - 44" (486-1118mm)	19 1/8" - 44" (486-1118mm)	19 1/8" - 44" (486 - 1118mm)	19 1/8" - 44" (486 - 1118mm)	19 1/8" - 44" (486-1118mm)	19 1/8" - 44" (486-1118mm)
Drive-Thru/Over Clearance	4 1/4" (108mm)	Recessed	4 1/4" (108mm)	Recessed	4 1/4" (108mm)	Recessed

\*Optional adapters provide adjustment range

\*Optional adapters provide adjustment range

**6 easy steps to find your frame length and overall trench length using your minimum and maximum wheelbases.**

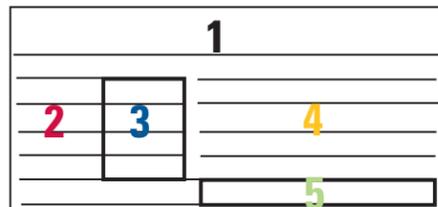
After selecting your lift model from the previous page, **follow these 6 easy steps** to determine your frame length and overall trench length. You must use your minimum and maximum vehicle wheelbase.

1. Locate your Lift Model and the Overall Trench Length Formula in **area 1**.
2. Find your minimum wheelbase in **area 2** (round down if your exact wheelbase is not listed)
3. Move right to determine the U dimension in **box 3**.
4. Continuing across the chart, select your maximum wheelbase in **area 4** (round up if your exact wheelbase is not listed).
5. Move straight down to determine the Frame Length (X dimension) in **box 5**.
6. Plug the U dimension in **box 3** and the X dimension in **box 5** into the formula **area 1** to find your Overall Trench Length.

**Example:** Use the chart for model 52HC★. If you worked with 114" min. ● x 221" max. ● wheelbases, you would use the indicated Udim. ● and Xdim. ● to plug into the formula:

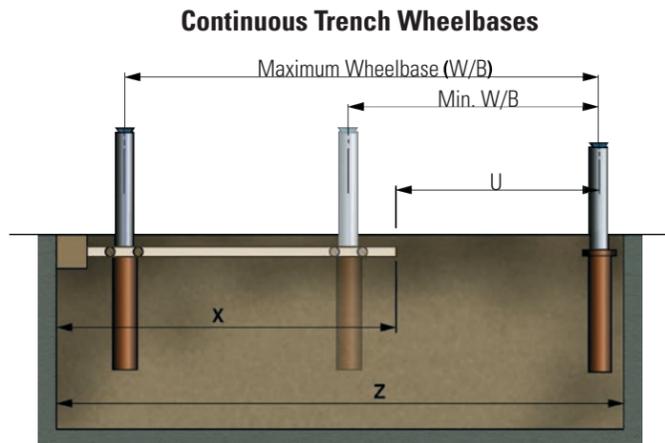
$$Z = U + X + 17.5" (97.25" + 147" + 8.5")$$

Adding these numbers up equals 252.75", your Overall Trench Length (Z).

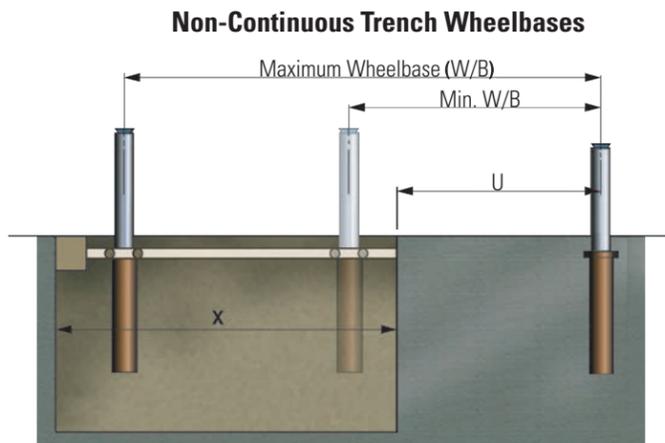


Models: 52C/52HC★				
Trench Length (Z) = (U) Dimension + (X) Dimension + 8.5" (216mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
84" (2134mm)	67.25" (1708mm)	167" (4242mm)	191" (4851mm)	215" (5461mm)
● 114" (2896mm)	● 97.25" (2470mm)	197" (5004mm)	● 221" (5613mm)	245" (6223mm)
138" (3505mm)	121.25" (3080mm)	221" (5613mm)	245" (6223mm)	269" (6833mm)
162" (4115mm)	145.25" (3689mm)	245" (6223mm)	269" (6833mm)	293" (7442mm)
Frame Length (X dimension)	10' 3" (3124mm)	● 12' 3" (3734mm)	14' 3" (4343mm)	

Models: 52P				
Trench Length (Z) = (U) Dimension + (X) Dimension + 8.5" (216mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
90" (2286mm)	67.25" (1708mm)	173" (4394mm)	197" (5004mm)	221" (5613mm)
120" (3048mm)	97.25" (2470mm)	203" (5156mm)	227" (5766mm)	251" (6375mm)
144" (3658mm)	121.25" (3080mm)	227" (5766mm)	251" (6375mm)	275" (6985mm)
168" (4267mm)	145.25" (3689mm)	251" (6375mm)	275" (6985mm)	299" (7595mm)
Frame Length (X dimension)	10' 3" (3124mm)	12' 3" (3734mm)	14' 3" (4343mm)	



Trench and Frame Length Chart



Trench and Frame Length Chart

Models: 60C/60HC				
Trench Length (Z) = (U) Dimension + (X) Dimension + 17.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
87" (2210mm)	70.75" (1797mm)	171" (4343mm)	195" (4953mm)	219" (5563mm)
117" (2918mm)	100.75" (2559mm)	201" (5105mm)	225" (5715mm)	249" (6325mm)
141" (3581mm)	124.75" (3169mm)	225" (5715mm)	249" (6325mm)	273" (6934mm)
165" (4191mm)	148.75" (3778mm)	249" (6325mm)	273" (6934mm)	297" (7544mm)
Frame Length (X dimension)	10' 3" (3124mm)	12' 3" (3734mm)	14' 3" (4343mm)	

Models: 60P				
Trench Length (Z) = (U) Dimension + (X) Dimension + 17.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
94" (2388mm)	71" (1803mm)	177" (4496mm)	201" (5105mm)	225" (5715mm)
124" (3150mm)	101" (2565mm)	207" (5258mm)	231" (5867mm)	255" (6477mm)
148" (3759mm)	125" (3175mm)	231" (5867mm)	255" (6477mm)	279" (7087mm)
172" (4369mm)	149" (3785mm)	255" (6477mm)	279" (7087mm)	303" (7696mm)
Frame Length (X dimension)	10' 3" (3124mm)	12' 3" (3734mm)	14' 3" (4343mm)	

Models: 70C/R70C/70HC				
Trench Length (Z) = (U) Dimension + (X) Dimension + 17.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
88" (2235mm)	70.75" (1797mm)	190" (4826mm)	238" (6045mm)	286" (7264mm)
118" (2997mm)	100.75" (2559mm)	220" (5588mm)	268" (6807mm)	316" (8026mm)
142" (3607mm)	124.75" (3169mm)	244" (6197mm)	292" (7417mm)	340" (8636mm)
166" (4216mm)	148.75" (3778mm)	268" (6807mm)	316" (8026mm)	364" (9246mm)
Frame Length (X dimension)	12' (3658mm)	16' (4877mm)	20' (6096mm)	

Models: RU70Q Shutter Plate				
Trench Length (Z) = (U) Dimension + (X) Dimension + 17.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
118" (2997mm)	71" (1803mm)	230" (5842mm)	266" (6756mm)	302" (7671mm)
148" (3759mm)	101" (2565mm)	260" (6604mm)	296" (7518mm)	332" (8433mm)
172" (4369mm)	125" (3175mm)	284" (7214mm)	320" (8128mm)	356" (9042mm)
196" (4978mm)	149" (3785mm)	308" (7823mm)	344" (8738mm)	380" (9652mm)
Frame Length (X dimension)	18' (5486mm)	21' (6401mm)	24' (7315mm)	

Models: 70P/R70P/70Q/R70Q				
Trench Length (Z) = (U) Dimension + (X) Dimension + 17.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
95" (2413mm)	70.75" (1797mm)	197" (5004mm)	245" (6223mm)	293" (7442mm)
125" (3175mm)	100.75" (2559mm)	227" (5766mm)	275" (6985mm)	323" (8204mm)
149" (3785mm)	124.75" (3169mm)	251" (6375mm)	299" (7595mm)	347" (8814mm)
173" (4394mm)	148.75" (3778mm)	275" (6985mm)	323" (8204mm)	371" (9423mm)
Frame Length (X dimension)	12' (3658mm)	16' (4877mm)	20' (6096mm)	

Models: 10210P/R10210P/10210Q/R10210Q				
Trench Length (Z) = (U) Dimension + (X) Dimension + 17.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
103" (2616mm)	78.5" (1994mm)	205" (5207mm)	253" (6426mm)	301" (7645mm)
133" (3378mm)	108.5" (2756mm)	235" (5969mm)	283" (7188mm)	331" (8407mm)
157" (3988mm)	132.5" (3366mm)	259" (6579mm)	307" (7798mm)	355" (9017mm)
181" (4597mm)	156.5" (3975mm)	283" (7188mm)	331" (8407mm)	379" (9627mm)
Frame Length (X dimension)	12' (3658mm)	16' (4877mm)	20' (6096mm)	

Models: 10210DSE/R10210DSE				
Trench Length (Z) = (U) Dimension + (X) Dimension + 17.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
78" (1981mm)	60.5" (1537mm)	180" (4572mm)	228" (5791mm)	276" (7010mm)
84" (2181mm)	66.5" (1689mm)	186" (4724mm)	234" (5944mm)	282" (7163mm)
90" (2286mm)	72.5" (1842mm)	192" (4877mm)	240" (6096mm)	288" (7315mm)
96" (2438mm)	78.5" (1994mm)	198" (5029mm)	246" (6248mm)	294" (7477mm)
102" (2591mm)	84.5" (2146mm)	204" (5182mm)	252" (6401mm)	300" (7620mm)
108" (2743mm)	90.5" (2299mm)	210" (5334mm)	258" (6553mm)	306" (7772mm)
114" (2896mm)	96.5" (2451mm)	216" (5486mm)	264" (6706mm)	312" (7925mm)
120" (3048mm)	102.5" (2604mm)	222" (5639mm)	270" (6858mm)	318" (8077mm)
126" (3200mm)	108.5" (2756mm)	228" (5791mm)	276" (7010mm)	324" (8230mm)
132" (3353mm)	114.5" (2908mm)	234" (5944mm)	282" (7163mm)	330" (8382mm)
138" (3505mm)	120.5" (3061mm)	240" (6096mm)	288" (7315mm)	336" (8534mm)
Frame Length (X dimension)	12' (3658mm)	16' (4877mm)	20' (6096mm)	

Models: RU10210Q SHUTTER PLATE				
Trench Length (Z) = (U) Dimension + (X) Dimension + 7.5" (445mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
126" (3200mm)	79" (2007mm)	238" (6045mm)	274" (6960mm)	310" (7874mm)
156" (3962mm)	109" (2769mm)	268" (6807mm)	304" (7722mm)	340" (8636mm)
180" (4572mm)	133" (3378mm)	292" (7417mm)	328" (8331mm)	364" (9246mm)
204" (5182mm)	157" (3988mm)	316" (8026mm)	352" (8941mm)	388" (9855mm)
Frame Length (X dimension)	18' (5486mm)	21' (6401mm)	24' (7315mm)	

Models: RU10210Q SHUTTER PLATE				
Trench Length (Z) = (U) Dimension + (X) Dimension + 7.75" (197mm)				
Min. Wheelbase	U Dimension	Max. Wheelbase		
96" (2438mm)	78.5" (1994mm)	198" (5029mm)	246" (6248mm)	294" (7468mm)
126" (3200mm)	108.5" (2756mm)	228" (5791mm)	276" (7010mm)	324" (8230mm)
150" (3810mm)	132.5" (3366mm)	252" (6401mm)	300" (7620mm)	348" (8839mm)
174" (4420mm)	156.5" (3975mm)	276" (7010mm)	324" (8230mm)	372" (9449mm)
Frame Length (X dimension)	12' (3658mm)	16' (4877mm)	20' (6096mm)	