



Modern Light Metals, Inc.  
 Coloma, MI 49038  
 Ph. 800-253-1505  
 Fax 269-468-4320

# Aluminum Yard Ramps

Shipment 3-4 weeks  
 Frt. Classification  
 Item 168710  
 Class 150  
 Terms: Net 30 days

**CAPACITIES 12,000 lbs., 16,000 lbs.,  
 20,000 lbs. , 25,000 lbs. , & 30,000 lbs.**

**Widths 60", 70", or 84"**

**Lengths 30 feet or  
 36 ft. with 6 ft. level off**

**Other sizes available**



5-8" High Tapered Side Rail for  
 Safety and Tire Protection



Serrated Steel or Aluminum  
 Grating on 24 ft. of slope

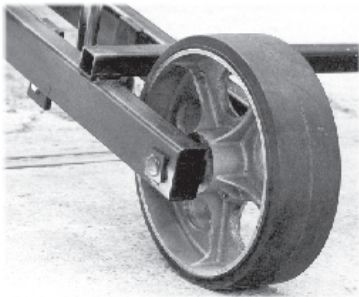
Aluminum Yard Ramps are portable ramps which are used to get fork lift trucks from ground level up to semi-truck , boxcar, or dock height. Ramps can be used anywhere. Just one man and a lift truck gives you immediate access to rail cars or remotely parked trucks.

No jockeying cars around. Eliminate high demurrage charges because of costly delays. Eliminates costly re-handling of loads between the dock area and where product is needed within the plant.

Hydraulic operated undercarriage makes handling different height trucks a snap.

30' Ramps have range  
 from 40"-60"  
 36' Ramps 42"-67"  
 36' with 6' Level off -  
 40"-64"

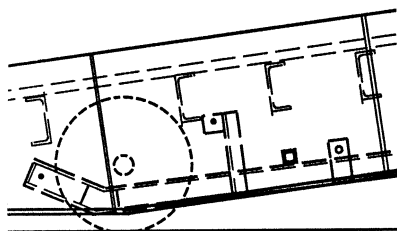
**Other sizes  
 available upon  
 request.**



18" Dia. by 5" face  
 Solid Rubber are standard



Pneumatic wheels for Gravel  
 surface. Please specify



Optional Leaf Spring Suspension System  
 allows Towing of Yard Ramp up to 25 mph.

Example Model No.  
**AYR-SG-16-70-36**

Aluminum  
 Yard Ramp

Capacity in 1000's  
 of lbs.

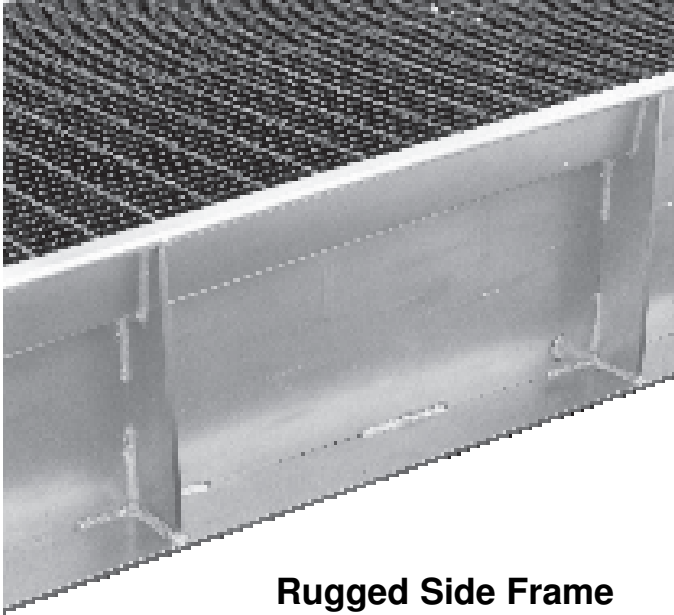
Length of Ramp  
 in feet

Steel Grating

Overall Width in inches  
 Usable is 6" less

**All Yard Ramps include  
 the following as  
 standard equipment:**

15" Lip  
 Tow Bar & Safety Chains  
 Double Acting Hydraulic  
 Hand Pump  
 Solid Rubber Tires  
 (18" dia. x 5" face)  
 Chrome plated Hydraulic  
 Cylinders



### Rugged Side Frame

Our side frames are designed with a generous safety factor so as to give a minimum of deflection. The side frame consists of a 6" wide flat at the bottom, the vertical web, and a special rugged extrusion at the top with tapered sides to offer maximum tire protection and a 5" high curb. (an 8" high curb is also available, extra charge on ramps of less than 25,000 lbs. capacity). The side frame, at the center of the ramp, is 26" to 30" in depth, depending on the capacity. This extra strong construction give the driver a feeling of confidence as he drives up the ramp.

### High Strength Serrated Steel or Aluminum Grating

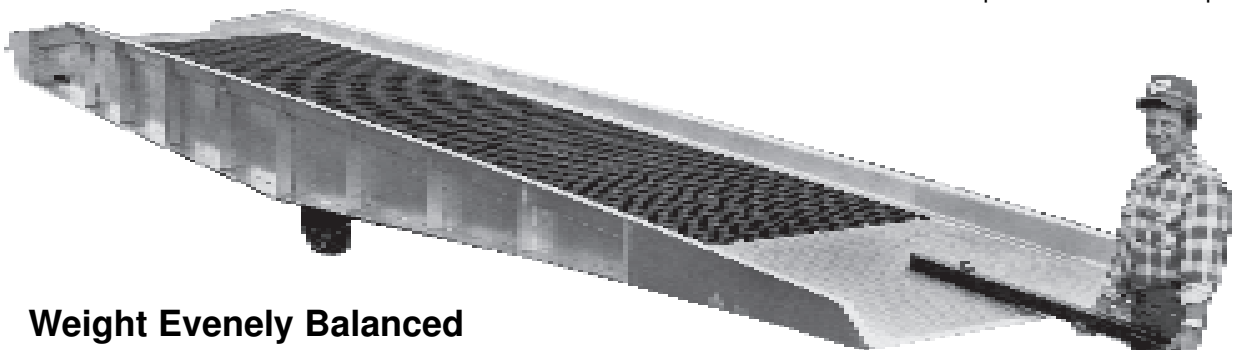
Offers best traction available. The serrated grating bars are 3/16" thick by 1 1/2" high, on 1 3/16" centers. The grating sections are supported by cross-channels on 12 3/4" centers. The grating sections are securely bolted to the channels with saddle clips & bolts. When the grating bars wear down, new grating sections can easily be installed, greatly increasing the life of the yard ramp.

For high use applications or rough treatment applications, the steel grating is recommended.



### Safety Chains

Safety chains are provided to secure the ramp to the truck. Chains are attached to the ICC bar of the trailer and then pulled tight thru a special bracket that keeps everything from moving. Chains are welded to bracket to keep them with the ramp.



### Weight Evenly Balanced

The wheels are located in such a way that one man can easily lift the lower end of the ramp. On a smooth level surface one man can move the ramp into position.

### Tow Bar

The tow bar is easily attached to the treadplate by means of a 3/4" diameter bolt. When not in use the tow bar is attached to the side of the ramp.



## The Punishment Area

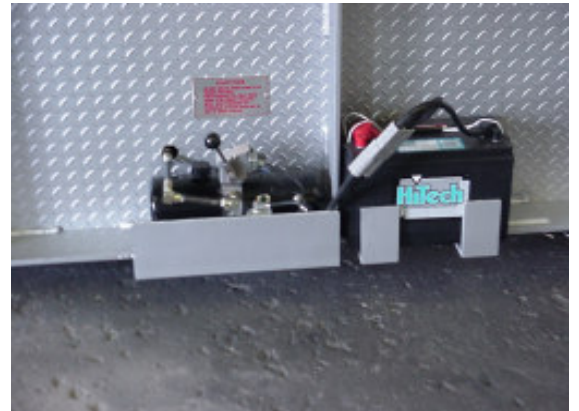
Because of the fact that fork truck drivers often get a “running start” up the ramp, this area (the treadplate and first 2 feet of grating) is subjected to severe impact loads, which causes a “dishing in” of the treadplate and damage to the grating on the average yard ramp.

We have designed in our ramps, a rugged rib structure to prevent the usual “dishing in” condition. Also to help the grating at the lower end of the ramp we have put the cross channels on 9” centers and have designed a special “low profile grating end support” to give additional support to the grating in the “punishment area”.



### Hand Operated Hydraulic Pump

Used to raise the upper end of the ramp, providing height adjustment from 42 to 64” on the 36 ft. models. We use a heavy duty **double acting** pump. This pumps oil to the cylinders in both directions, speeding the pumping process.



### Optional Battery Operated Pump

Optional battery operated pump is available and recommend on ramps over 5200 lbs. Comes with two batteries, recharger, and quick disconnect connectors.



## Wheels

We use an 18” diameter by 5” face wheel with molded on rubber. This is a rugged, trouble free, wheel. Pneumatic wheels are available if desired. For towing at speeds over 10 mph or over rough terrain we recommend optional pneumatic tires with leaf spring suspension system.





18" Dia. by 5" face hard rubber wheels are standard.



Pneumatic wheels for cinder or gravel surfaces. Please specify

**Specifications & Features:**

All weld aluminum construction.

Epoxy-coated serrated steel grating, aluminum grating, or optional galvanized grating available.

Heavy Duty **Double acting** Hand Operated Hydraulic Pump with overload by-pass for faster operation.

Full 5" high safety curbs along entire length. **Optional 8" high curb available if wanted.**

Heavy Duty Rigid Side Frame with vertical stiffeners.

60" Treadplate at rear of Ramp - Allows more support for grating at the lower end of ramp, the punishment area. This is extremely important as forklift drivers tend to get a running start at the ramp and dish and destroy less reinforced ramps.

Grating supported with cross channels on 12 3/4" centers.

<b>Options</b>	
8" Curb instead of 5" .....	\$400
Pneumatic Tires .....	No charge
Leaf Springs for ramps under 3500 lbs .....	\$300
Leaf Springs for ramps over 3500 lbs.(requires dual wheels) .....	\$620
Hi Traction Approach .....	CALL
Hand Railing .....	\$2,400
Ramp Only -No Wheels or Hydraulics ..... (Deduct) .....	\$1,820
Battery Operated Hyd. Pump - comes with two batteries and recharger .....	\$1,500

<b>Yard Ramp Replacement Parts</b>	
18" Solid Rubber Tire .....	\$ 332
18" Pneumatic Tire .....	\$ 295
Tow Bar .....	\$220
Pump Repair Kit .....	\$ 70
Hydraulic Hand Pump .....	\$600
With exchange - Reconditioned Pump (check availabilty) .....	\$380
7 1/2" Hydraulic Cylinder (for 36' models).....	\$136
5 1/2" Hydraulic Cylinder (for 30' models).....	\$136
Cylinder packing Kit.....\$ 35 each.....or two for.....	\$ 50
Hose Kit (indicate width of ramp) .....	\$ 142
Axles for tire, with nut & spacers (indicate tire type) .....	\$ 57
Pins for Hydraulic cylinders, with spacers.....	\$42
Safety Chains & Ears .....	\$150
Stainless Steel Saddle Clip, Bolt, and lock Nut.....	\$2.25
Replacement Grating .....	call
Steel Under Carriage - No Tires - (indicate size) .....	\$950



# Aluminum Yard Ramps

Shipment 3-4 weeks  
Frt. Classification  
Item 168710  
Class 150  
Terms: Net 30 days

**Type: ESF**

**CAPACITIES 12,000 lbs., 16,000 lbs., 20,000 lbs.**

**Widths 67", or 79"**

**Length 36 ft. total, includes 6 ft. level off**

Our Economy style Yard Ramp. Side Frame of ramp is built with strong cost saving extrusions. Means a heavier ramp but less costly.

Aluminum Yard Ramps are portable ramps which are used to get fork lift trucks from ground level up to semi-truck, boxcar, or dock height. Ramps can be used anywhere. Just one man and a lift truck gives you immediate access to rail cars or remotely parked trucks.

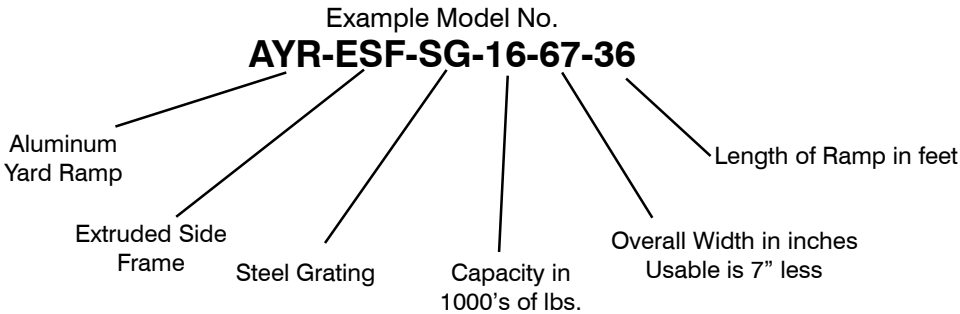
No jockeying cars around. Eliminate high demurrage charges because of costly delays. Eliminates costly re-handling of loads between the dock area and where product is needed within the plant.



Hydraulic operated undercarriage makes handling different height trucks a snap.

36' with 6' Level off have a range from - 40"-64"

Steel Grating		
36 Foot With 6 Foot Level Off		
Model Number	Weight	Price
AYR-ESF-SG-12-67-36	3880	CALL
AYR-ESF-SG-12-79-36	4500	CALL
AYR-ESF-SG-16-67-36	3960	CALL
AYR-ESF-SG-16-79-36	4620	CALL
AYR-ESF-SG-20-79-36	4700	CALL



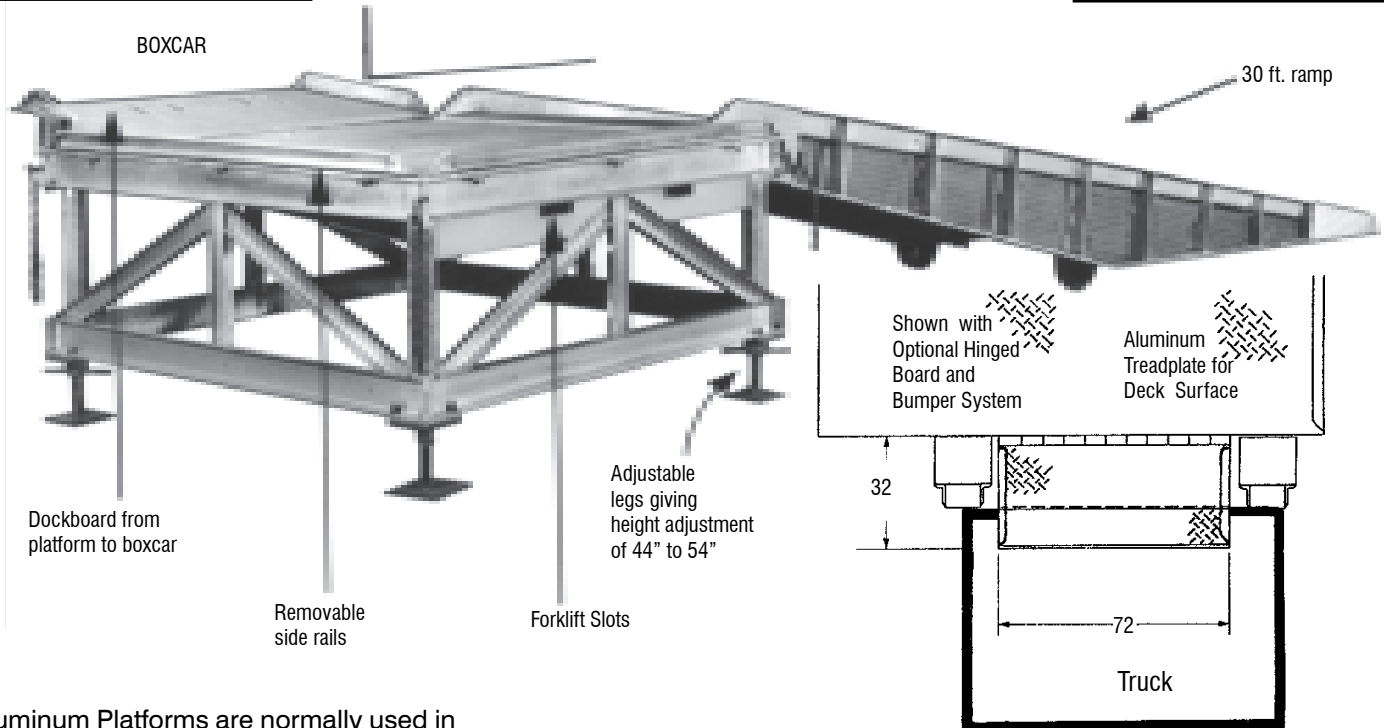
**All Yard Ramps include the following as standard equipment:**

- 15" Lip
- Tow Bar & Safety Chains
- Flow Control Valves
- Solid Rubber Tires (18" dia. x 5" face)

# APF Type

# Aluminum Yard Ramp Platforms

**MIM**  
Modern Light Metals, Inc.  
Coloma, MI 49038  
Ph. 800-253-1505  
Fax 269-468-4320



Aluminum Platforms are normally used in conjunction with 30' yard ramps to get forklifts up into boxcars or trucks when it is impossible to use a yard ramp by itself because of space limitations.

Platforms may also require a portable or hinged aluminum board in conjunction with the platform.

Be sure and make the platform big enough for your intended purpose.

We suggest you have your customer lay out the platform with chalk on the ground and run the lift truck on this imaginary platform to be sure there is enough room to do what he wants as Platforms can not be returned.

**Other sizes available upon request.**

## YARD RAMP PLATFORMS

Capacity in lbs.		15,000		20,000		30,000	
Width	Length	Wt.	Price	Wt.	Price	Wt.	Price
8'	10'	1345	CALL	1572	CALL	1668	CALL
8'	12'	1503	CALL	1772	CALL	1881	CALL
10'	10'	1562	CALL	1839	CALL	1958	CALL
10'	12'	1754	CALL	2081	CALL	2217	CALL
10'	16'	2617	CALL	3043	CALL	2177	CALL
11'10"	12'	2004	CALL	2354	CALL	2505	CALL
11'10"	16'	2997	CALL	3451	CALL	3410	CALL
11'10"	20'	3450	CALL	4008	CALL	4005	CALL

### Options

Hinged Dockboard 25,000 lbs. capacity, 72" overall width 66" usable x 30" long, . . . will handle truck 4" above to 5" below platform height without adjusting platform . . . Add . . . 250 lbs. to weight & ..... \$1200 to list price  
 Spring Assists for above dockboard ..... Add .... \$ 300 to list price  
 Rubber bumpers for above .... Add 210 lbs. to weight & .... \$ 700 to list price  
 Optional Hand Railing on two sides ..... Call for Pricing  
 Ladder .....\$ 300 to list price

All platforms have screw - adjustable legs which insure level platforms even on uneven surfaces and are adjustable between 44" - 54" off the ground. All have removable side rails on two sides and fork lifting slots so platforms may be moved by a lift truck. Platforms are all welded aluminum construction and do not have to be bolted together. Platforms are shipped by common carrier whenever possible. Larger units are shipped on flat bed trailers and may require special permits. Call factory for suggested dockboard option.



July 31, 2001

## Aluminum Yard Ramps vs. Steel Yard Ramps

Dear potential yard ramp user;

Thanks for your interest in our Yard Ramps. We have been making them for over 40 years and believe we build the best Ramps money can buy. A little background information is in order so you can make an intelligent decision as to what to purchase.

Yard Ramps, **if they are meant to be portable**, are primarily made from aluminum and use serrated steel grating for the deck surface. This keeps the weight of the ramp down and makes the ramp much more maneuverable. This easy of movement enables one person to move and position the ramp where it is needed. In the last several years there has been a manufacturer who has been producing a less expensive ramp made from all steel. This ramp is only really practical if it is not moved. The steel ramps also require a setup where space is not a problem and the semi-trailers can back up perfectly in line with the ramp (a possibility but not very likely). Ramps made from Aluminum can pivot and turn short distances easily and therefore can be positioned exactly where they are needed. It is our experience that trucks back up to the ramp and then the front of the ramp needs to be moved 18" left or right. This is very easy with an Aluminum Ramp but nearly impossible with the steel ramp. This is why we have been making yard ramps out of Aluminum for over 30 years.

### Important items that yard ramps should have:

- Serrated Grating** – Allows leaves, debris, and water to fall through, gives excellent traction.
- Level off at top of ramp** – Allows forklift and load to be somewhat level when entering trailer.
- Tapered Side Curbs** - Allow good tire protection - our 25,000 lbs. ramp has 8" high curbs.
- Easy to use Safety Chains** – Our chains are bolted to ramp – anti theft – keeps chains from walking
- Double acting hand pump** - For easy raising and lowering of ramp – For push button operation optional battery operated pump can be purchased.
- Ramps come standard with Solid Rubber Tires** – 18 x 5 solid rubber tires are fine for short movement under concrete and asphalt surfaces. – Dual pneumatic tires with leaf springs for faster and longer trips are available. Also make moving ramp easier.
- Ramp evenly balanced** – important when moving front of ramp left or right.
- Tow Bar** – makes moving ramp longer distances easier.

Ramps have a three year warranty on side frame. Grating and hydraulics parts 1 year.

Enclosed please find more pictures showing these features. Thanks for your interest and I look forward to working with you on this.

Bob Conner