



ARC FIBREGLASS LADDERS



LADDERS

Ladders are used in most construction & maintenance work. They provide workers a means of reaching locations too high to reach otherwise. They assist workers in going down into trenches and excavations, and ladders help gain access to the upper floors and roofs of buildings. Painters use ladders of all sizes, sheet installers, electricians, plumbers, masons, iron workers, and at one time or another, just about every construction trade on the job.

A ladder as a very useful appliance consists of two side rails joined at regular intervals by cross-pieces called steps, rungs or cleats, on which a person may step when ascending or descending from a given level.

Every ARC ladder is built on a foundation of quality and safety. All of our products meet or exceed the applicable standards and requirements of the American National Standards Institute (ANSI), and the Occupational Safety and Health Administration (OSHA).



ANSI does have guidelines to follow when choosing ladders constructed of fibreglass. According to **ANSI 14.5-2000**, fibreglass ladders should be made out of good commercial grade thermosetting polyester resin reinforced with glass fibres. The following selections need to be considered and followed:

1. electrical
2. corrosion resistance
3. outdoor weathering
4. thermal conditions
5. structural integrity



ANSI does have guidelines to follow when choosing ladders constructed of fibreglass. According to **ANSI 14.5-2000**, fibreglass ladders should be made out of good commercial grade thermosetting polyester resin reinforced with glass fibres. The following selections need to be considered and followed:

ANSI recommends that Reinforced Plastic ladders must use fully cured, commercial-grade thermosetting polyester resin with glass fibre reinforcement. The type of material to be used is determined by the environment the finished ladder will encounter (electrical hazards, temperature extremes, corrosion, outdoor weathering, etc.).

Ladders are generally evaluated on their resistance to bending, strength in various positions and the quality of the individual components that make up the ladder.

Usage guidelines for portable ladders encompass selecting the proper ladder for the job being performed; inspecting prior to use to verify proper operation and cleanliness; evaluating ladder placement so that footing and top supports are secure and not creating a traffic hazard for pedestrians; utilizing proper climbing technique; and caring for and storing ladders.

LADDER DUTY RATINGS



American National Standards Institute (ANSI) has developed a series of duty ratings that can be used as a guideline to determine the total weight capacity of the ladder – including one self and the tools & materials one may carry with on the ladder. Construction requirements include weight and size categories for portable ladders. The four ladder types and their duty ratings are shown in the **Table** below.

Table

Ladder Type	Capable of Supporting	Rated Use
<u>Type IAA</u>	375 lbs.	Special - duty industrial ladder
<u>Type IA</u>	300 lbs.	Extra Heavy - duty industrial ladder
<u>Type I</u>	250 lbs.	Heavy duty - industrial ladder
<u>Type II</u>	225 lbs.	Medium - duty commercial ladder
<u>Type III</u>	200 lbs.	Light - duty household ladder

Know the weight capacity of the ladder before climbing. The weight capacity is listed on the label attached to the side rail of each ladder. **Do not exceed the weight capacity. Pay close attention to the Duty Rating of the ladder and the combined weight of the user and materials. Select a ladder with the proper capacity. Also, be sure to select a ladder of proper height to reach the work area without overextending.**

Generally accepted usage/duty relationships are:

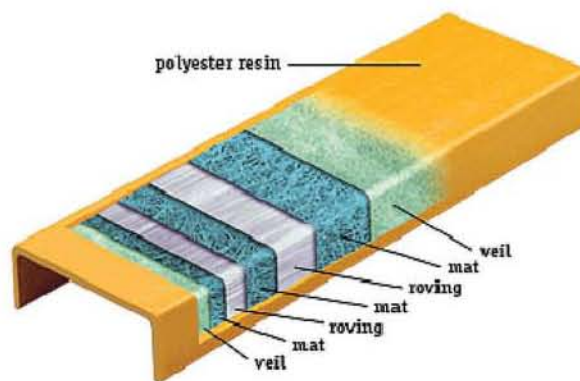
- **Special duty:** for users requiring a 375-pound load capacity or for service requirements such as industry, utilities, contractors, etc.
- **Extra heavy duty:** for users requiring a 300-pound load capacity or for service requirements such as industry, utilities, contractors, etc.
- **Heavy duty:** for users requiring a 250-pound load capacity or for service requirements such as industry, utilities, contractors, etc.
- **Medium duty:** for users requiring a 225-pound load capacity or for service requirements such as painters, offices, light maintenance use, etc.
- **Light duty:** for users requiring no more than a 200-pound load capacity or for a service requirement such as general household use.

recommends only extra heavy duty ladders for use with ladder jacks and scaffold planks.



OSHA does not address ladders made of fibreglass only. OSHA sets minimum requirements for the use of all ladders in business and industry. Working on and around stairways and ladders is hazardous. Stairways and ladders are major sources of injuries and fatalities among construction workers for example, and many of the injuries are serious enough to require time off the job. OSHA rules apply to all stairways and ladders used in construction, alteration, repair, painting, decorating and demolition of worksites covered by OSHA's construction safety and health standards.

CONSTRUCTION



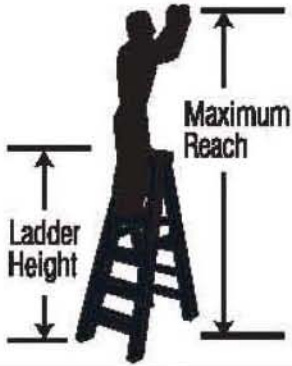
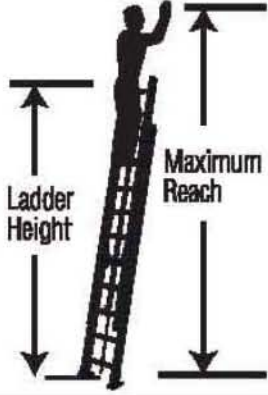
Producing a higher performance fibreglass ladder takes dedicated people, superior process and leading edge material and equipment technologies.

ARC FRP ladders are produced using a premium grade polyester resin system with flame retardant and ultraviolet (UV) inhibitor additives. (These materials, plus advanced manufacturing methods and rigid inspection procedures, assure optimum structural, mechanical and electrical properties plus excellent resistance to corrosion, weathering and ultraviolet degradation.) A vinyl ester resin system is available upon request for additional corrosion resistance. Standard side channels are grey in colour. The colour of the ladders is produced by pigmenting the resin during the Pultrusion process. **The side channels (pultruded sections) are either 100 mm x 30 mm with 4 mm thickness OR 150 mm x 40 mm with 6 mm thickness.** The rungs & steps are aluminium alloy with a non-skid surface. The fasteners & brackets are Stainless Steel. The shoes / treads are made of rubber. ARC has been producing fixed, step, extension and mobile platform or the combination type ladders using rails made from pultruded glass/polyester structural sections.

SAFETY TIPS

ARC manufactures quality products for long and safe use, but proper care must always be taken to ensure your safety. Even the best ladders can be involved in accidents through neglect or improper practices.

Selection

STEP LADDER HEIGHT SELECTION GUIDE		EXTENSION LADDER LENGTH SELECTION GUIDE	
			
STEP LADDER HEIGHT	MAXIMUM REACH	EXTENSION LADDER HEIGHT	MAXIMUM REACH
4'	8'	16'	15'
6'	10'	20'	19'
8'	12'	24'	23'
10'	14'	28'	27'
12'	16'	32'	31'
14'	18'	36'	34'
16'	20'	40'	37'

The above selection guides are assuming a 5'6" tall person with a 12" overhead reach.

- Take into account all potential uses for the product you are going to purchase - make sure you have the necessary strength and height for each job.
- Read the labels - Information is provided in detail for your safety and protection.
- When making your decision on which duty rating you require, ensure you allow for the combined weight of the user, clothing, tools and any other materials. **Never exceed the maximum load rating.**
- Select ladder of proper length to safely reach desired height.

Warning:

Metal ladders conduct electricity - Do not use where contact may be made with live electrical circuits. Failure to follow proper instructions could result in serious personal injury or death.

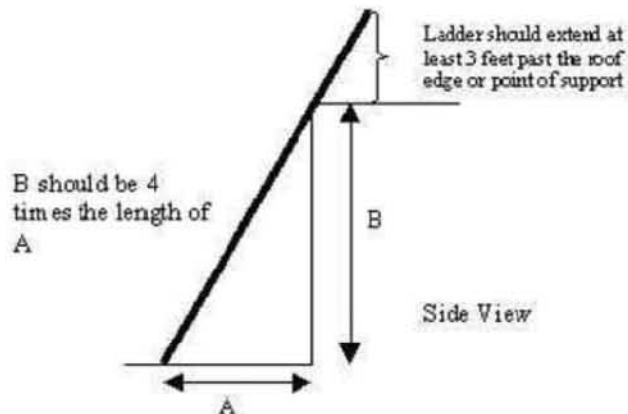
Inspection

- Always inspect your ladder before each use.
- Inspect for loose fasteners, broken, bent or cracked rails, rungs and steps.
- Ensure moving parts are in good working order.
- Clean ladder of all foreign material. (oil, grease, ice, etc.)
- Never use a damaged or worn ladder.
- Never use a ladder which has been exposed to excessive heat or chemical corrosion.

Before you climb...

- Do not use any ladder if you are in poor health, taking drugs, using alcohol, or physically handicapped.
- Check your footwear - Do not use leather or any smooth surfaced sole.
- Do not use in high winds or storm conditions.
- Do not set up over doorways.

PROPER SET UP AND USE



Step Ladders

- Make sure ladder is fully open and spreaders locked.
- Set all feet on firm level surface.
- Do not place on unstable, loose, or slippery surfaces.
- Place ladder where access is not obstructed.
- Do not place in front of unlocked doors.
- Ladders are not intended to be used as scaffolds.
- Climb only front side of ladder.
- Face ladder when climbing up or down.
- Maintain a firm grip.
- Use both hands in climbing.
- Keep body centered between side rails.
- Do not overreach.
- Get down and move ladder as needed.
- Do not climb, stand, or sit above second step from top.
- Do not climb, stand, or sit on spreader braces, ladder top, or utility shelf.
- Do not straddle front and back.
- Do not climb from one ladder onto another.
- Avoid pushing or pulling off to side of ladder.
- Do not “walk” or “shift” ladder while on it.

Extension & Straight Ladders

- Set base of ladder on firm level surface.
- Do not place on unstable, loose, or slippery surfaces.
- Do not place in front of unlocked doors.
- Ladders are not intended to be used as scaffolds.
- Secure base section before raising ladder to upright position.
- Do not move ladder with fly section extended.
- Extend fly section and engage rung locks.
- Make sure rope does not create a tripping hazard or interfere with activity near ladder.
- Tying bottom fly rung to adjacent base rung is recommended.
- Extend and retract fly section from ground when no one is on ladder.
- Position ladder against upper support surface.
- Make sure ladder does not lean to side.
- Ladder must make a $75\frac{1}{2}^{\circ}$ angle with the ground.
- To establish if ladder is at proper angle – Determine the distance along the rail between the top and bottom support points of the ladder.
- Divide the distance by 4. The result will be the horizontal distance between the top and bottom support points.
- Face ladder when climbing up or down.
- Maintain a firm grip.
- Use both hands in climbing.
- Keep body centered between side rails.
- Do not overreach.
- Get down and move ladder as needed.

When selecting a ladder, one should consider the capacity of the ladder, its height and footing requirements, and whether it will be used inside or outside. Pay close attention to the Duty Rating of the ladder and the combined weight of the user and materials. Select a ladder with the proper capacity. Also, be sure to select a ladder of proper height to reach the work area without overextending. NEVER EXCEED THE SPECIFIED DUTY RATING OF THE LADDER.

ARC's FRP ladders are;

- **Strong, Lightweight, Long-lasting:** Fibreglass now holds a significant market share of industrial ladders and is steadily replacing aluminum and wood in residential ladders. For the roughest, toughest jobs where a ladder takes a beating, fibreglass provides the ultimate in ruggedness and long-term durability.
- **Stronger Than Other Materials:** Fibreglass ladders are stronger than wood or aluminum ladders and will not rot or corrode.
- **Non Conductive:** Unlike aluminum, fibreglass ladders have low non conductive properties.
- **High Strength:** Fabricated from Pultruded sections having High Strength to Weight Ratio.
- **Resistant:** Corrosion & Ultraviolet resistant.
- **Thermally Insulated & Non Slip:** Comfortable to handle and safe to use.

ARC's total capabilities in building the best ladders in the business are demonstrated every time our customers take a step off the ground. ARC's advanced design and carefully controlled manufacturing and inspection procedures assure safe, dependable performance and years of maintenance-free service when properly used.

TYPES OF LADDERS

There are Fixed Ladders, Extension Ladders, Step Ladders, Mobile Platform Ladders or combination Type Ladders. These ladders are made of Fibreglass. Fixed Ladders are attached to a structure and not adjustable in length. An Extension Ladder is a non-self supporting, portable ladder that is adjustable in length. Then there are Step Ladders which are self supporting portable ladders that are not adjustable in length.

Sr. No.	Description & Type	Our Model Series	ANSI Duty Rating & Capacity
1.	Step Ladders – Extra Heavy Duty Industrial Type	SL 10	I A – 300 lbs
2.	Step Ladders – Heavy Duty Industrial Type	SL 20	I – 250 lbs
3.	Step Trestle Ladder – Extra Heavy Duty Industrial Type	STL 10	I A – 300 lbs
4.	Step Trestle Ladder – Heavy Duty Industrial Type	STL 20	I – 250 lbs
5.	Platform Step Ladder - Extra Heavy Duty Industrial Type	PSL 10	I A – 300 lbs
6.	Platform Step Ladder - Extra Heavy Duty Industrial Type	PSL 11	I A – 300 lbs
7.	Shelf Ladder - Extra Heavy Duty Industrial Type	SHL 10	I A – 300 lbs
8.	Manhole Ladder – Extra Heavy Duty Industrial Type	MHL 88	I A – 300 lbs
9.	Extension Ladder - Extra Heavy Duty Industrial Type	EL 26	I A – 300 lbs
10.	Extension Ladder - Extra Heavy Duty Industrial Type	EL 32	I A – 300 lbs
11.	Mobile Platform Ladder - Extra Heavy Duty Industrial Type	MP 10	I A – 300 lbs
12.	Mobile Platform Ladder	MP 20	600 lbs
13.	Mobile Platform Ladder - Extra Heavy Duty Industrial Type	MP 30	I A – 300 lbs
14.	Industrial Step Stand - Extra Heavy Duty Industrial Type	ISS 80	I A – 300 lbs
15.	Self Supported Trestle Ladder - Extra Heavy Duty Industrial Type	SSTL 30	I A – 300 lbs
16.	Self Supported Step Trestle Ladder with Extension Ladder - Extra Heavy Duty Industrial Type	SSXTL 11	I A – 300 lbs
17.	Mobile Telescopic Platform Ladder – Extra Heavy Duty Industrial Type	MTL 10	I A – 300 lbs
18.	Mobile Telescopic Tilting Extension Ladder – Extra Heavy Duty Industrial Type	MTTL 20	I A – 300 lbs



1. Step Ladders – Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘SL 10’ Series

Fibreglass Stepladder with moulded top with handyman's tool slots and slip resistant rubber feet.
 Moulded Top with Recessed Tray.- Non conductive structural moulded top with tool slots.
 Slip Resistant Rubber Feet.-Aluminum angle feet with thick rubber thread on all four legs to provide sure footing. Shoes can be replaced when necessary.
 Pinch Resistant Spreader Braces.- Heavy duty plated steel spreader braces with double rivet hinge to protect user from pinched fingers.
 Heavy Double Gusset Bracing.-Heavy duty steel gussets on bottom step and angle back brace.



The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)

Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx. Spread (inches)	Approx. Open Height (inches)	Approx. Weight (kgs)
ARC – SL 0310	3	3	17.5	23	34	6.0
ARC – SL 0410	4	3	19.0	29	46	8.0
ARC – SL 0510	5	3	21.5	35	57	10.0
ARC – SL 0610	6	3	23.0	41	68	11.0
ARC – SL 0710	7	3	24.5	48	79	13.0
ARC – SL 0810	8	3	26.0	54	90	15.0
ARC – SL 1010	10	3	29.0	66	113	19.0
ARC – SL 1210	12	3	32.0	78	137	24.0

2. Step Ladders – Heavy Duty Industrial Type (I – 250 lbs) – Model ‘SL 20’ Series

Fibreglass Stepladder with 250 lbs. work load capacity, with molded top with handyman's tool slots and slip resistant rubber feet.
 Molded Top with Handyman's Tool Slots.- Non conductive structural molded top provides greater impact resistance. Molded-in slots help keep tools close at hand
 Pinch Resistant Spreader Braces.- Heavy duty plated steel spreader braces with double rivet hinge to protect user from pinched fingers.
 Slip Resistant Rubber Feet.-Aluminum angle feet with thick rubber thread on all four legs to provide sure footing.
 Double Rivet Step Construction.- Each step secured with six, large headed, semi tubular steel rivets for maximum strength, 30% greater shear strength than solid aluminum rivets.



The ladder is designed for total 250 Lbs, load capacity (includes weight of user and tools)

Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx. Spread (inches)	Approx. Open Height (inches)	Approx. Weight (kgs)
ARC – SL 0420	4	3	19	29	46	5.0
ARC – SL 0520	5	3	22	35	57	7.0
ARC – SL 0620	6	3	23	41	68	8.0
ARC – SL 0820	8	3	25	48	90	15.0

3. Step Trestle Ladder – Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘STL 10’ Series

Fibreglass Twin Front Ladder with 300 lbs work load and inside braces.

Heavy Gauge Steel Hinges.- Heavy Duty hinge assembly designed for maximum durability.

Reinforced Bottom Step.- Heavy Duty bottom brace provides additional strength to the bottom of the ladder.

Inside Spreader Braces.- Spreader braces inside fibreglass rails help protect braces from getting hooked or abused in transit. (Available for up to 12 feet size).

Both sides of this ladder can be used by a person.

Each side is designed to support one person including materials up to 300 lbs.



Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx. Spread (inches)	Approx. Open Height (inches)	Approx. Weight (kgs)
ARC– STL 0410	4	3	19.0	36	45	11.0
ARC– STL 0510	5	3	21.5	45	57	12.0
ARC– STL 0610	6	3	23.0	52	67	13.0
ARC– STL 0710	7	3	24.5	60	79	17.0
ARC– STL 0810	8	3	26.0	67	90	20.0
ARC– STL 1010	10	3	29.0	83	112	27.0
ARC– STL 1210	12	3	32.0	98	135	33.0
ARC– STL 1410	14	3	35.0	112	160	38.0
ARC– STL 1610	16	3	38.0	127	184	45.0
ARC– STL 1810	18	3	41.0	142	208	51.0

4. Step Trestle Ladder – Heavy Duty Industrial Type (I – 250 lbs) – Model ‘STL 20’ Series

Fibreglass Twin Front Ladder with 250 lbs work load, with Slip resistant rubber feet and pinch resistant spreader braces.

Pinch Resistant Spreader Braces.- Heavy duty plated steel spreader braces with double rivet hinge to protect user from pinched fingers.

Double Rivet Step Construction.- Each step secured with six, large headed, semi tubular steel rivets for maximum strength.

Slip Resistant Rubber Feet.-Aluminum angle feet with thick rubber tread on all four legs to provide sure footing. Shoes can be replaced when necessary.

Both sides of this ladder can be used by a person.

Each side is designed to support one person including materials up to 250 lbs.

(Includes weight of user and tools)



Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx. Spread (inches)	Approx. Open Height (inches)	Approx. Weight (kgs)
ARC– STL 0420	4	3	19.0	36	45	11.0
ARC– STL 0520	5	3	21.5	45	57	12.0
ARC– STL 0620	6	3	23.0	52	67	13.0
ARC– STL 0720	7	3	24.5	60	79	17.0
ARC– STL 0820	8	3	26.0	67	90	20.0
ARC– STL 1020	10	3	29.0	83	112	27.0
ARC– STL 1220	12	3	32.0	98	135	33.0

5. Platform Step Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘PSL 10’ Series

Platform Fibreglass Ladder with 300 lbs working load and top rail guard.
 Top Rail Guard.-Aluminum cross brace serves as a railing for working from the platform.
 Slip Resistant Platform.-Large, fully serrated platform 15” wide x 20” deep locks the ladder in place when open and makes it possible to get closer to working area than on standard stepladders.
 Double Rivet Step Construction.- Each step secured with six, large headed, semi tubular steel rivets for maximum strength, 30% greater shear strength than solid aluminum rivets.
 Full channel Fibreglass Rail.-Nonconductive full channel rails are covered with a polyester veil for years of durable service without fibre prominence of blooming.
The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx. Spread (inches)	Approx. Open Height (inches)	Approx. Weight (kgs)
ARC – PSL 0310	3	3	22.0	30	34	10.0
ARC – PSL 0410	4	3	23.5	38	46	12.0
ARC – PSL 0510	5	3	25.0	43	57	14.0
ARC – PSL 0610	6	3	26.5	50	68	16.0
ARC – PSL 0810	8	3	29.5	62	90	22.0
ARC – PSL 1010	10	3	32.0	75	113	29.0
ARC – PSL 1210	12	3	35.0	88	135	34.0

6. Platform Step Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘PSL 11’ Series

Platform Fibreglass Ladder with 300 lbs working load and top rail guard.
 Top Rail Guard.-Aluminum cross brace serves as a railing for working from the platform.
 Slip Resistant Platform.-Large, fully serrated platform 15” wide x 20” deep locks the ladder in place when open and makes it possible to get closer to working area than on standard stepladders.
 Double Rivet Step Construction.- Each step secured with six, large headed, semi tubular steel rivets for maximum strength, 30% greater shear strength than solid aluminum rivets.
 Full channel Fibreglass Rail.-Nonconductive full channel rails are covered with a polyester veil for years of durable service without fibre prominence of blooming.
The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx. Spread (inches)	Approx. Open Height (inches)	Castor wheels & size	Insulated handrails	Approx. Weight (kgs)
ARC – PSL 0311	3	3	22.0	30	34	Yes -2”	NO	11.0
ARC – PSL 0411	4	3	23.5	38	46	Yes-2”	NO	13.0
ARC – PSL 0511	5	3	25.0	43	57	Yes-2”	NO	15.0
ARC – PSL 0611	6	3	26.5	50	68	NO	YES	17.0
ARC – PSL 0811	8	3	29.5	62	90	NO	YES	23.0
ARC – PSL 1011	10	3	32.0	75	113	NO	YES	30.0
ARC – PSL 1211	12	3	35.0	88	135	NO	YES	35.0

7. Shelf Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘SHL 10’ Series

Shelf Ladder Type IA, 300lbs workload limit

Slip Resistant Rubber Feet.-Aluminum angle feet with thick rubber tread on both legs to provide sure footing. Feet can be replaced when necessary.

Rubber Bumper.-Ladder has parallel side with thick rubber bumpers extending 6" down the side rails.

Angled Steps.-Steps are level when the ladder is set at proper working angle.

Double-Rivet Step Construction.- Each step secured with six, large headed, semi tubular steel rivets for maximum strength. 30% greater shear strength than solid aluminum rivets.

Serrated Aluminum Steps.-Fully serrated aluminum steps allow for a more secure footing.

Heavy Gusset Bracing.-Two pair of gussets support bottom step. All gussets are heavy duty steel.

The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx. Weight (kgs)
ARC – SHL 0410	4	3	15.0	4.0
ARC – SHL 0510	5	3	15.0	5.0
ARC – SHL 0610	6	3	15.0	6.0
ARC – SHL 0710	7	3	15.0	8.0
ARC – SHL 0810	8	3	15.0	9.0
ARC – SHL 1010	10	3	15.0	11.0
ARC – SHL 1210	12	3	15.0	13.0
ARC – SHL 1410	14	3	17.0	16.0
ARC – SHL 1610	16	3	17.0	18.0
ARC – SHL 1810	18	3	17.0	20.0
ARC – SHL 2010	20	3	17.0	22.0

8. Manhole Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘MHL 88’ Series

Fibreglass Manhole Ladder Type IA, 300lbs workload limit

Utility-Style Safety Shoes.- Heavy aluminum extrusion with thick rubber tread.

Used by utilities for solid footing at differing angles.

Round Rungs.-Pultruded, round rungs are fully serrated for slip-resistant surface.

Narrow Design.-Narrow fibreglass straight ladder especially designed for use in manholes.

Rail Protectors.-Optional rail protectors are 3' long and firmly secured with four rivets per side. The rail guards protect the side rails from damage by manhole rims.

Full Channel Fibreglass Rail.- Nonconductive full channel rails are covered with a polyester veil for years of durable service.

The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Rail depth (inches)	Width (inches)	Approx. Weight (kgs)
ARC – MHL 0888	8	3	14.0	9.0
ARC – MHL 1088	10	3	14.0	11.0
ARC – MHL 1288	12	3	14.0	13.0
ARC – MHL 1488	14	3	14.0	16.0
ARC – MHL 1688	16	3	14.0	17.0
ARC – MHL 1888	18	3	14.0	20.0
ARC – MHL 2088	20	3	14.0	21.0

9. Extension Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘EL 26’ Series

Plate Connect Extension Ladder Type IA, 300lbs workload limit
 Aluminum full swivel safety shoes with thick rubber tread.
 Equipped with rung lock provides easier method of securing fly base sections when extended.
 Round Rungs.-Pultruded, serrated rungs provide for a slip-resistant surface.
 Outside Slide Guides.-Two extra heavy duty outside slide guides secured to top of base section with four rivets per guide for maximum strength.
 Aluminum Plate Connection Rungs.- Pultruded rungs are double crimped to aluminum plate.
 Each plate is fastened to side rails with four solid aluminum rivets.
 Full Channel Fibreglass Rail.- Nonconductive full channel rails are covered with a polyester veil for years of durable service.



The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)

Our Model No.	Total length of the ladder (feet)	Length of each section (feet)	Max. extn. length (feet)	Rail depth (inches)	Stack Height (inches)	Inside Width (inches)		Outside Width (inches)		Approx Weight (kgs)
						Base section	Fly section	Base section	Fly section	
ARC – EL 1626	16	8	13	4	6.5	15	14	18	16.5	21.0
ARC – EL 2026	20	10	17	4	6.5	15	14	18	16.5	23.0
ARC – EL 2426	24	12	21	4	6.5	15	14	18	16.5	28.0
ARC – EL 2826	28	14	25	4	6.5	15	14	18	16.5	32.0
ARC – EL 3226	32	16	29	4	6.5	15	14	18	16.5	36.0
ARC – EL 3626	36	18	32	4	6.5	15	14	18	16.5	40.0
ARC – EL 4026	40	20	35	4	6.5	15	14	18	16.5	45.0

10. Extension Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘EL 32’ Series

Extension Ladder Type IA, 300lbs workload limit
 Round Rungs.- Pultruded, serrated rungs provide for a slip-resistant surface.
 Outside Slide Guides.-Two extra heavy duty outside slide guides secured to top of base section with four rivets per guide for maximum strength.
 Mar-resistant rail ends caps.- Impact resistant caps on all rail ends provide rail protection for longer life and protect work surfaces from marring.
 Aluminum Plate Connection Rungs.- Pultruded rungs are double crimped to aluminum plate.
 Each plate is fastened to side rails with four solid aluminum rivets.
 Full Channel Fibreglass Rail.- Nonconductive full channel rails are covered with a polyester veil for years of durable service.



The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)

Our Model No.	Total length of the ladder (feet)	Length of each section (feet)	Max. extn. length (feet)	Rail depth (inches)	Stack Height (inches)	Inside Width (inches)		Outside Width (inches)		Approx Weight (kgs)
						Base section	Fly section	Base section	Fly section	
ARC – EL 1632	16	8	13	4	6.5	15	14	18	16.5	23.0
ARC – EL 2032	20	10	17	4	6.5	15	14	18	16.5	25.0
ARC – EL 2432	24	12	21	4	6.5	15	14	18	16.5	28.0
ARC – EL 2832	28	14	25	4	6.5	15	14	18	16.5	32.0
ARC – EL 3232	32	16	29	4	6.5	15	14	18	16.5	36.0
ARC – EL 3632	36	18	32	4	6.5	15	14	18	16.5	40.0
ARC – EL 4032	40	20	35	4	6.5	15	14	18	16.5	45.0

11. Mobile Platform Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘MP 10’ Series

This nonconductive Mobile Maintenance Platform is specially designed for working around electricity.

Its nonconductive materials and superior construction provide a higher degree of safety on jobs where electrical lines and equipment are present.

Heavy-Duty, Slip-Resistant, Step Assembly Forward-Descent Design

Nonconductive Platform **24” long x 17” wide** assembly.

Reinforced Back assembly.

Heavy-Duty Base assembly.

Nonconductive handrails and guardrail.

Step-lock safety feature with Handle for wheel engagement.

The ladder is designed for a single person use of total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Approx. height to top step (feet)	Approx. max. length (inches)	Approx. max. width (inches)	Approx. max. height with rails (inches)	Approx. Weight (kgs)
ARC – MP 0510	5	4	63	32	7.5	79
ARC – MP 0610	6	5	71	32	8	86
ARC – MP 0710	7	6	80	32	9	106
ARC – MP 0810	8	6.5	89	32	10	117
ARC – MP 0910	9	7	97	32	11	127
ARC – MP 1010	10	8	106	32	11.5	184
ARC – MP 1110	11	9	114	36	12	193
ARC – MP 1210	12	9.5	123	36	13	200
ARC – MP 1310	13	10.5	131	39	13.5	233
ARC – MP 1410	14	11	140	39	14	241
ARC – MP 1510	15	12	148	39	15.5	248

12. Mobile Platform Ladder - (600 lbs) – Model ‘MP 20’ Series

Nonconductive Platform **24” long x 34” wide** assembly.

The ladder is designed for two persons use of total 600 lbs, load capacity (includes weight of users and tools)

Our Model No.	Size (feet)	Approx. height to top step (feet)	Approx. max. length (inches)	Approx. max. width (inches)	Approx. max. height with rails (inches)	Approx. Weight (kgs)
ARC – MP 0520	5	4	80	32	7.5	88
ARC – MP 0620	6	5	92	32	8	95
ARC – MP 0720	7	6	97	32	9	115
ARC – MP 0820	8	6.5	106	32	10	126
ARC – MP 0920	9	7	114	32	11	136
ARC – MP 1020	10	8	123	32	11.5	197
ARC – MP 1120	11	9	131	36	12	207
ARC – MP 1220	12	9.5	140	36	13	214
ARC – MP 1320	13	10.5	148	39	13.5	246
ARC – MP 1420	14	11	157	39	14	255
ARC – MP 1520	15	12	166	39	15.5	261

13. Mobile Platform Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘MP 30’ Series

The mobile Platforms are a non – conductive assembly, designed for heavy duty safe working around electrical lines / area. The step assembly is heavy duty anti – skid type. The ladder has a platform of size **600 mm x 800 mm (width x length)**. The ladder is provided with spring loaded coasters, for ease in movement. **The ladder is designed for two persons with a total 600 lbs, load capacity (includes weight of users and tools)**



Our Model No.	Approx. height to top step (feet)	Approx. Weight (kgs)
ARC – MP 0330	3	22
ARC – MP 0430	4	26
ARC – MP 0530	5	28
ARC – MP 0630	6	31

14. Industrial Step Stand - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘ISS 80’ Series

Large Moulded Top.- Large structural molded top measures **14" wide x 10" deep**. Diamond tread for a slip-resistant platform.
 Step stands are designed so user can stand and work from the moulded top.
 Double-Rivet Stop Construction.-Each step secured with six, large headed , semi-tubular steel rivets for maximum strength. 30% greater shear strength than solid aluminum rivets.
 Heavy Gusset Bracing.- Heavy duty steel gussets to support bottom frame.
 Large Aluminum Steps.-Steps are **6" wide**, twice the area of a standard step, and feature heavy duty side connections.
The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)



Casters and Handle optional
 Casters for easy tilt and transport.

Our Model No.	Size (feet)	Approx. height to top step (inches)	Step size (inches)	Top width (inches)	Approx. Spread (inches)	Width (inches)	Approx. Weight (kgs)
ARC – ISS 0180	1	13	6	14 x 10	15	15.0	4.0
ARC – ISS 0280	2	23	6	14 x 10	21	18.5	8.0
ARC – ISS 0380	3	34	6	14 x 10	27	20.0	11.0
ARC – ISS 0480	4	45	6	14 x 10	33	22.0	14.0

15. Self Supported Trestle Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘SSTL 30’ Series

With safety guard rail and thick side plates
 Large platform of size 15” x 20”, provides secure and comfortable work area and is designed for easy opening and folding.
 Slip-resistant steps on front and rear sections.
 Soft rubber wheels are easy on vinyl floors–designed to roll over thresholds.
 The 4 casters allow easy 360° mobility. Durable caster assembly with stainless steel spring, steel stem and ball bearing swivel; Spring mounted caster eliminates need for a separate brake.
 Heavy duty step brace.
 Easy to handle and folds to a 12" width for storage.
 Requires less floor space than heavy steel rolling ladders.
The ladder is designed for a single person use of total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Step width (inches)	Height to Platform (feet)	Approx. width (inches)	Approx. spread (inches)	Approx. Open Height (inches)	Approx. Weight (kgs)
ARC – SSTL 0630	6	3	4	26.5	50	68	15.0
ARC – SSTL 0830	8	3	6	29.5	62	90	21.0
ARC – SSTL 1030	10	3	8	32.0	75	113	25.0
ARC – SSTL 1230	12	3	10	35.0	88	135	30.0

16. Self Supported Step Trestle Ladder with Extension Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘SSXTL 11’ Series

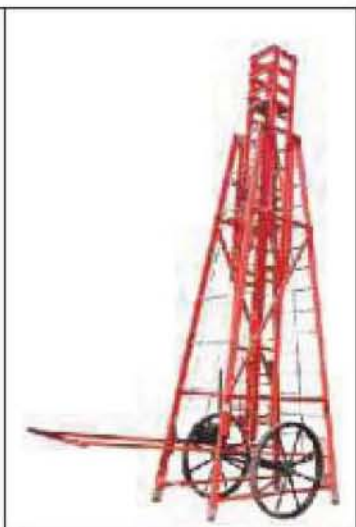
Fibreglass Extension Trestle Ladder Type IA, 300lbs workload limit.
 Heavy Trestle Top Hinge.-Extra heavy plated steel hinges form top of trestle and support slide guides for the fly section.
 Slide Guides and Spreader Braces.-Plated steel spreader braces interlock with bottom pair of fly section slide guides.
 Steel backup washers and reinforcing back plates prolong life at key pivots points.
 Locking Bail.-Hinged steel bail provides easy to use solution for locking section in place.
 Fly section can be raised or lowered in 12" increments without closing the trestle.
 Full Channel Fibreglass Rail.- Nonconductive full channel rails are covered with a polyester veil for years of durable service.
 Slip Resistant Rubber Feet.-Aluminum angle feet with thick rubber tread on all four legs to provide sure footing.
The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Step width (inches)	Width (inches)	Approx . Spread (inches)	Max. extendable height (feet)	Inside width of Fly section (inches)	Outside width of Fly section (inches)	Approx . Weight (kgs)
ARC – SSXTL 0811	8	3	33.0	69	12.5	15.5	18.0	29.0
ARC – SSXTL 1011	10	3	39.0	84	15.5	15.5	18.0	36.0
ARC – SSXTL 1211	12	3	45.0	99	19.5	15.5	18.0	43.0

17. Mobile Telescopic Platform Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model ‘MTL 10’ Series

Fibreglass Extension Trestle Ladder Type IA, 300lbs workload limit.
 Heavy duty platform size **450 mm x 450 mm** with railings & support slide guides for the fly section.
 Steel backup washers and reinforcing back plates prolong life at key pivots points.
Winch operated self locking mechanism-enables the ladder to be extended to the desired / permissible height.
 Equipped with rung lock provides easier method of securing fly base sections when extended.
Fly section can be raised or lowered in 12" increments.
 Full Channel Fibreglass Rail- Nonconductive full channel rails are covered with a polyester veil for years of durable service.
 Slip Resistant Rubber Feet-Aluminum angle feet with thick rubber tread on all four legs to provide sure footing.
When being pushed / towed the base frame has a ground clearance of at least 6".
 The wheels / base frame are provided with locking arrangement.
The ladder is designed for total 300 lbs, load capacity (includes weight of user and tools)



Our Model No.	Size (feet)	Step width (inches)	Base Width (inches)	Base Spread (inches)	Top width x spread (inches x inches)	No. of wheels & diameter (inches)	Approx. Weight (kgs)
ARC – MTL 1510	15	1	72.0	60.0	20 x 20	2nos – 48	150.0
ARC – MTL 2010	20	1	72.0	60.0	20 x 20	2nos – 48	175.0
ARC – MTL 2510	25	1	72.0	60.0	20 x 20	2nos – 48	200.0
ARC – MTL 3010	30	1	72.0	60.0	20 x 20	2nos – 48	250.0

Our Model No.	Platform size (inches x inches)	Platform height (feet)	Max. extendable height (feet)	Height in closed condition (feet)	Fly section width (inches)	Fly section height (feet)
ARC – MTL 1510	17 x 17	2.5	15.0 + 2.5	10.0 + 2.5	21.0	5.0 + 2.5
ARC – MTL 2010	17 x 17	2.5	20.0 + 2.5	15.0 + 2.5	21.0	5.0 + 2.5
ARC – MTL 2510	17 x 17	2.5	25.0 + 2.5	18.0 + 2.5	21.0	7.0 + 2.5
ARC – MTL 3010	17 x 17	2.5	30.0 + 2.5	20.0 + 2.5	21.0	10.0 + 2.5

The length of the pushing handle is approx. 1.2 mtrs

18. Mobile Telescopic Tilting Type Ladder - Extra Heavy Duty Industrial Type (IA – 300 lbs) – Model 'MTTL 20' Series



Our Model No.	Size (feet)	Step width (inches)	Base Width (inches)	Base Spread (inches)	Top width x spread (inches x inches)	No. of wheels & diameter (inches)	Approx. Weight (kgs)
ARC – MTTL 1520	15	1	96	48	22 x 22	4nos – 10	250.0
ARC – MTTL 2020	20	1	96	48	22 x 22	4nos – 10	250.0
ARC – MTTL 2520	25	1	120	48	22 x 22	4nos – 10	350.0
ARC – MTTL 3020	30	1	120	48	22 x 22	4nos – 10	350.0

Our Model No.	Platform size (inches x inches)	Platform height (feet)	Max. extendable height (feet)	Height in closed condition (feet)	Fly section width (inches)	Fly section length (feet)
ARC- MTTL 1520	20 x 20	2.5	15.0 + 2.5	6	25.0	5 + 2.5
ARC- MTTL 2020	20 x 20	2.5	20.0 + 2.5	6	25.0	5 + 2.5
ARC- MTTL 2520	20 x 20	2.5	25.0 + 2.5	6	25.0	7 + 2.5
ARC- MTTL 3020	20 x 20	2.5	30.0 + 2.5	6	25.0	10 + 2.5



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