

Portable Tank Ladders



Powdercoat Finish



Hot-Dipped Galvanized Finish

Receiving Instructions

After delivery, remove the packaging from the product. Inspect the product closely to determine whether it sustained damage during transport. If damage is discovered, record a complete description of it on the bill of lading. If the product is undamaged, discard the packaging.

NOTE: The end-user is solely responsible for confirming that product design, use, and maintenance comply with laws, regulations, codes, and mandatory standards applied where the product is used.

Technical Service & Replacement Parts

For answers to questions not addressed in these instructions and to order replacement parts, labels, and accessories, call our Technical Service and Parts Department. The department can also be contacted online.

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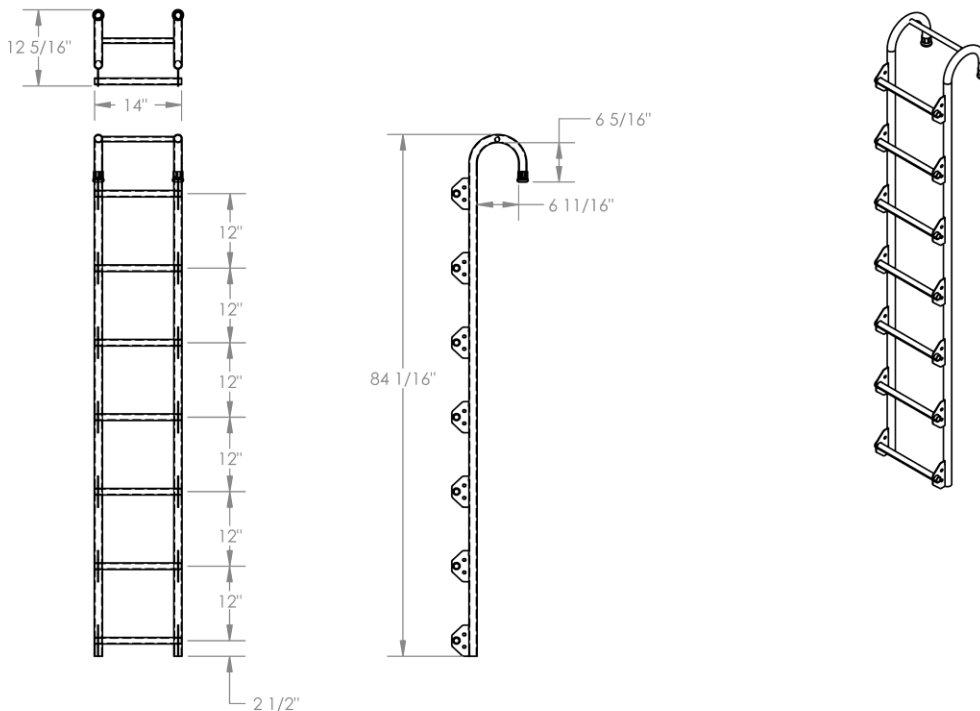
SPECIFICATIONS

Specifications documents for tank access ladders are provided on Vestil's website. To access the appropriate specifications document, navigate to this webpage. Click the "Product Specifications Table" drop-down menu bar partway down the page. Scroll down to the entry for the model you purchased and click the button in the column titled "PDF's" that looks like a pencil inside a box. A PDF file will open. This file is the specifications document. Print a copy of the document and keep it with your copy of this manual. The following is an exemplar specifications document.

GALVANIZED TANK ACCESS LADDER - NTAL-7-HDG

APPROX WEIGHT: 40.60 lbs.
DOES NOT INCLUDE WEIGHT OF POWER OR PACKAGING!!!

*** ANY ADDITIONS, DELETIONS, OR OMISSIONS MUST BE CORRECTED ON THIS DRAWING AS THIS DRAWING WILL BE CONSIDERED ALL INCLUSIVE ***
ALL GRAPHICS PROVIDED ARE FOR REFERENCE ONLY. IF CERTAIN DIMENSIONS ARE CRITICAL PLEASE VERIFY THOSE DIMENSIONS WITH YOUR SALESPERSON



STANDARD FEATURES




MODEL NUMBER IS NTAL-7-HDG
OVERALL WIDTH IS 14"
OVERALL DEPTH IS 12 5/16"
OVERALL HEIGHT IS 84 1/16"
USABLE STEP WIDTH IS 13" (NOT SHOWN)
MAX CAPACITY IS 300 LBS.
LADDER HAS A DURABLE WELDED STEEL CONSTRUCTION
WITH HOT DIP GALVANIZED FINISH

SPECIAL FEATURES

NONE

SIGNAL WORDS

This manual uses SIGNAL WORDS to indicate the likelihood of personal injuries, as well as the probable seriousness of those injuries, if the product is misused in the ways described. Other signal words call attention to uses of the product likely cause property damage. The following are signal words used in this manual and their definitions.

 DANGER	Identifies a hazardous situation which, if not avoided, WILL result in DEATH or SERIOUS INJURY . Use of this signal word is limited to the most extreme situations.
 WARNING	Identifies a hazardous situation which, if not avoided, COULD result in DEATH or SERIOUS INJURY .
 CAUTION	Indicates a hazardous situation which, if not avoided, COULD result in MINOR or MODERATE injury.
NOTICE	Identifies practices likely to result in product/property damage, such as operation that might damage the product.

SAFETY INSTRUCTIONS

We strive to identify foreseeable hazards associated with the use of its products, but no manual can address every conceivable risk. Reduce risk by applying sound judgment whenever using this device. Acquire a copy of the latest version of ANSI A14.2: Ladders – Portable Metal ("A14.2" or the "Standard"). Apply all parts of the Standard that concern using, inspecting, maintaining & repairing a special purpose, single or sectional, portable, metal ladder. **Keep a copy of this manual with the ladder at all times**, e.g. inside a plastic pouch attached to the frame. **Users of this ladder must be made aware of the existence of this manual and know where to find a copy of it.**

⚠ DANGER

Electrocution might result if the ladder contacts electrified wires.

- DO NOT *contact* electrified wires with any part of the ladder, your body, or your clothing while positioning or climbing the ladder.
- DO NOT use the ladder where it could contact electrified wires.
- DO NOT use the ladder *close to* electrified wires or other sources of electricity.
- Before using the ladder, always inspect the usage area for unusual conditions that require special precautions.

⚠ WARNING

Improper or careless use of this product might result in serious personal injuries sustained by the person using ladder or bystanders. Reduce the likelihood of serious injury by applying the following recommendations:

- DO NOT exceed the maximum rated load of your ladder. See [SPECIFICATIONS](#) on p. 2. The *total weight* applied to the ladder must not exceed the 300 pounds (136kg) maximum rated load, i.e. weight of person climbing ladder + materials, tools, etc.
- DO NOT inspect, maintain, or repair the ladder unless you are qualified to do so. The ladder might not be safe to use if it is improperly inspected, repaired, or maintained.
- DO NOT modify the ladder without first obtaining written approval from the manufacturer. Modifying the ladder automatically voids the [LIMITED WARRANTY](#) (p. 8) and might weaken the ladder and/or make it unsafe to use.
- DO NOT climb the ladder if it does not hang properly from the wall. See [USING THE TANK LADDER](#) on p. 5. Safe use requires a structurally sound surface that is capable of supporting the combined weights of the ladder plus its maximum rated load.
- DO NOT lean over or reach beyond the side rails, because doing so might cause the ladder to tip or slide, or cause the rubber feet to lose contact with the wall. The rubber feet must maintain solid contact with the wall during use.
- Always keep your body centered above the longitudinal axis of the ladder while ascending and descending the ladder. See [USING THE TANK LADDER](#) and the associated diagrams on p. 5.
- DO NOT rock or twist the ladder from side to side or try to reposition the ladder while climbing it. ONLY reposition the ladder *before* beginning to climb it.
- Remove foreign matter, like mud or grease, from your shoes and from the surface of each rung before stepping onto the ladder. ONLY use the ladder if it is clean and dry.
- [10-steps; 12-steps; & 15-steps models] Inspect the ladder as directed in the [INSPECTING AND MAINTAINING THE TANK LADDER](#) section. DO NOT use the ladder unless it is in [SATISFACTORY CONDITION](#). ALWAYS face the tank while ascending or descending the ladder.
- DO NOT stand, or travel, beneath the ladder while someone is occupying it.
- DO NOT use the ladder unless all labels are in place, intact, and easily readable from a reasonable distance. See [LABELING DIAGRAM](#) on p. 7. Verify the placement and legibility of all labels. Labels are shown in the [LABELING DIAGRAM](#). Replace all damaged, missing, or unreadable labels. Contact Vestil's [TECHNICAL SERVICE AND PARTS DEPARTMENT](#) to order replacement labels.

NATIONAL STANDARDS

This product is a special purpose, single or sectional, portable metal ladder (PML). ANSI standard A14.2 (the "Standard") applies to PML's. You should acquire a copy of the latest revision of the Standard. Follow all relevant provisions in the Standard including the use, inspection, and maintenance/care instructions. If any content in this manual conflicts with any mandatory provision(s) in the Standard, apply the provision(s) from the Standard. We request that you report these conflicts to its [TECHNICAL SERVICE & PARTS DEPARTMENT](#) as soon as they are discovered.

EXPLODED VIEW AND BILL OF MATERIALS

STEP 2

DETAIL A
SCALE 1 : 6

STEPS 3 & 4

Fasteners installed to connect upper and lower ladder sections

Rung bracket

Upper ladder section

Extension bracket

ladder section

BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	23-514-145	WELDMENT, UPPER SECTION, LADDER ALL MODELS	1
2	14-037-005	RUBBER STOP CRUTCH TIP ALL MODELS	2
*3	23-514-146 23-514-147 23-514-148	WELDMENT, LOWER SECTION, LADDER	1 1 1
*4	11105	HEX BOLT, GRADE A, ZINC PLATED, 3/8"-16 X 1"	4
*5	37024	NYLON INSERT LOCK NUT, GRADE 2, ZINC FINISH, 3/8"-16	4

*Only present in 10/12/15 and 10/12/15-HDG. Lower

ASSEMBLING THE LADDER

Fasten upper and lower ladder sections together with hex bolts (11105) and lock nuts (37024).

1. Lay both sections on the ground and orient them with rungs facing upwards.
2. Press the extension brackets (lower ladder section) into the openings in the side rails of the upper ladder section.
3. Align the bolt holes in the rung brackets with the holes in the extension brackets. The extension brackets will contact the inside surfaces of the rung brackets.
4. Feed a bolt (item no. 4) through each of the aligned bolt holes. Secure the free end of each bolt with a hex nut.

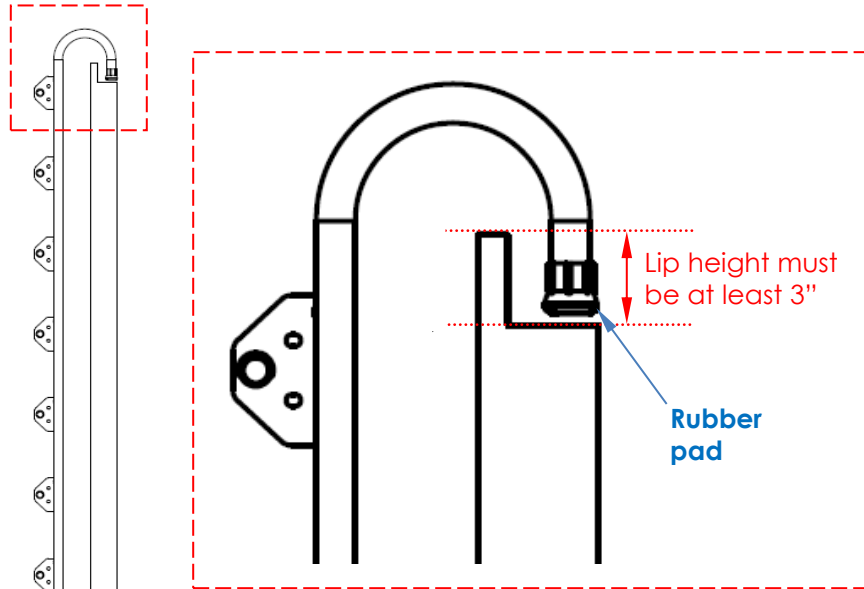
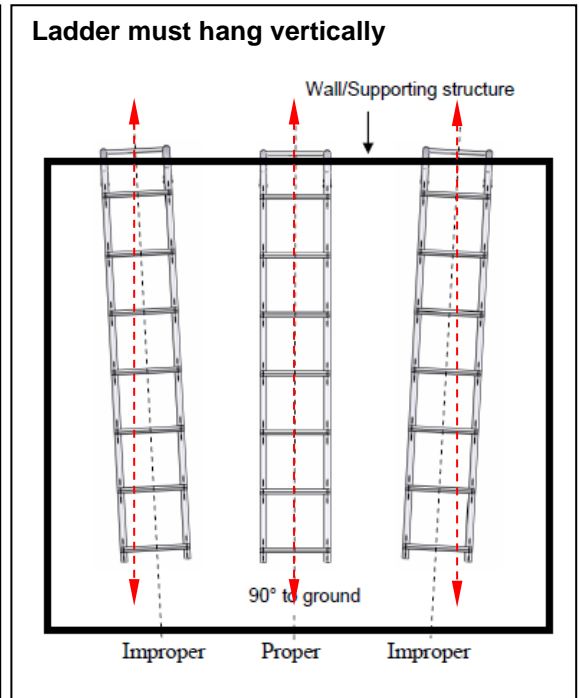
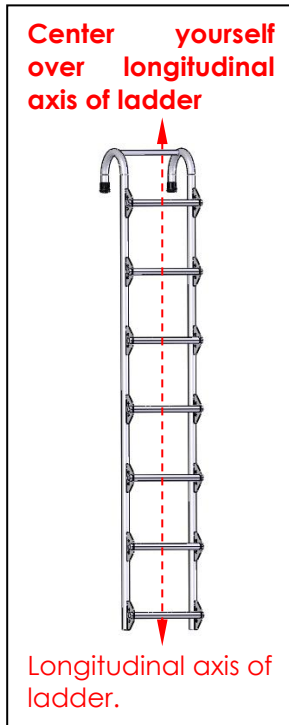
USING THE TANK LADDER

Make sure that no children can access the area where the ladder is used or stored.

Review the [SAFETY INSTRUCTIONS](#) on p. 3 before using the ladder.

Only climb the ladder when the steps and handrails are clean and dry.

1. Only hook the ladder to a structure capable of supporting the combined weight of the ladder plus its maximum rated load. See [SPECIFICATIONS](#) on p. 2.
2. If the ladder is hooked over a lip, for instance, at the top of a wall/tank, the lip must be at least 3 inches tall to achieve a secure connection. BOTH rubber pads should firmly contact the surface of the wall. See diagram below.
3. The ladder should hang vertically from the wall. The longitudinal axis of the ladder should be perpendicular (90°) to the horizontal. If the shape of a wall prevents the ladder from hanging properly, DO NOT use the ladder to climb that wall.
4. Climb straight up the ladder, keeping your body centered over the longitudinal axis. No more than 1 person at a time should occupy the ladder.



Maximum wall thickness		Minimum lip height		Maximum wall height	
Inches	Centimeters	Inches	Centimeters	Inches	Centimeters
6	(15¼ cm)	3	7.6	83	211
6	(15¼ cm)	3	7.6	113	287
6	(15¼ cm)	3	7.6	133	338
6	(15¼ cm)	3	7.6	163	414

RECORD OF SATISFACTORY CONDITION (THE “RECORD”)

After assembling the ladder and before putting it into service, generate a record of its condition. Take photographs and/or videos of the ladder that clearly show each of the rung brackets, rungs, rubber pads, hooks, the junctions of the upper and lower ladder sections, and all fasteners (bolts and lock nuts) and labels. Collect all photographs, videos, and any other records produced in a single file. This file is a record of the ladder in satisfactory condition. Compare the results of all inspections to this *RECORD* to determine whether the ladder remains in satisfactory condition. Do not use the ladder unless it is in satisfactory condition. Purely cosmetic changes, like damaged paint or powdercoat, are not changes from satisfactory condition. However, touchup paint should be applied as soon as damage occurs. Left untreated, exposed metal will rust and rust could eventually compromise the integrity of the rusted area(s).

INSPECTING & MAINTAINING THE TANK LADDER

Inspections and repairs should only be performed by qualified persons. Compare the results of each inspection to the [RECORD OF SATISFACTORY CONDITION](#) (the “RECORD”). Do not use the ladder unless all parts are in satisfactory condition. Replace parts that are not in satisfactory condition before using the ladder again. **DON'T GUESS! If you have any questions about the condition of your ladder, speak with TECHNICAL SERVICE personnel.** The phone number is provided on the cover page of this manual. **Never make temporary repairs of damaged or missing parts.** Only use manufacturer-approved replacement parts. DO NOT continue to use the ladder if damage cannot be repaired.

BEFORE EACH USE

Inspect the ladder for any sustained damage such as impact/collision damage, unusual wear, deterioration, or corrosion. Look for loose connections. Tighten all loose connections. If any lock nut is removed from its bolt, it must be replaced with a new lock nut. **DO NOT use the ladder if there are obvious problems with it even if inspection personnel have not inspected the unit.**

REGULAR INSPECTIONS —AT LEAST ONCE PER MONTH

Inspect the following items. Replace all parts not in satisfactory condition before returning the ladder to service.

- **Rungs, rung mounting brackets, and extension mounting brackets** (refer to FIG. 2 on p. 4): Each rung should be dry and clean, i.e. free of grease and other debris that might make it slippery. Confirm the satisfactory condition of each rung, each rung mounting bracket, and each weld between a rung mounting bracket and a side rail. Check the rungs, brackets, and welds for warps, cracks, rust, corrosion, and other forms of damage or deterioration.
- **Hook arms:** Confirm that hooks retain their original shape. The hook must be sound, i.e. without cracks, warps, etc.
- **Rubber pads:** Inspect the rubber pad attached to the end of each hook. The pad should be securely attached to the end of its hook. If a foot is significantly worn, torn, or if the end of the hook has pressed into or through the pad material, remove the pad and install a new replacement.
- **Siderails:** Check the side rails. Both rails must be straight and rigid. Pay particular attention to rung attachment points for warps, cracks, rust or corrosion, or other forms of damage or deterioration.
- **Surface finish:** Examine the surface coating for damage. Remove rust from areas where the coating is damaged. Apply touchup paint to those areas.
- **Labels:** All of the labels must be intact, easily readable from a reasonable distance, and applied where shown in the [LABELING DIAGRAM](#) on p. 7.
- **Fasteners (bolts, nuts, pins):** Check the fasteners used to connect upper and lower ladder sections. Check the areas around bolt holes for warps, cracks, etc. Replace all fasteners that are damaged before using the ladder again. If a lock nut has been partially or completely unfastened, replace it with a new lock nut.

Maintenance: in addition to correcting issues discovered during inspections, maintain the ladder as described below.

- Clean the ladder to remove dirt and grime, especially from step surfaces.
- Tighten all fasteners (only applies to models with two ladder sections):
- Lubricate the axle as necessary for the wheels to rotate freely.
- Apply touchup paint wherever the finish is chipped.

LABELING DIAGRAM

Label content and location are subject to change without notice so your product might not be labeled exactly as shown. Compare the diagram below to your [RECORD OF SATISFACTORY CONDITION](#). If there are any differences between actual labeling and this diagram, contact the [TECHNICAL SERVICE & PARTS DEPARTMENT](#).

Replace labels that are damaged, missing, or not easily readable (e.g. faded). To order replacement labels or to inquire whether your unit is properly labeled, contact the technical service and parts department online or by calling (260) 665-7586 and asking for the [TECHNICAL SERVICE & PARTS DEPARTMENT](#).




A: Label 832

⚠ WARNING
ONLY hook to structures capable of supporting the maximum rated load and weight of the ladder.
⚠ AVISO
SOLO enganche a estructuras capaces de soportar la carga maxima tasada y el peso de la escalera
832

B: Label 821 (1 of 2 forms shown below)

SAFETY FIRST	SEGURIDAD PRIMERO
<small>Read owners manual and all labels before using.</small>	<small>Lea el manual del propietario y todas las etiquetas antes del uso.</small>

OR

 821 rev 01/20	⚠ WARNING Risk of serious injury or death. Read and understand entire owner's manual BEFORE using.
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C: Label 904

DANGER
METAL CONDUCTS ELECTRICITY!
DO NOT CONTACT LIVE WIRES
904

LIMITED WARRANTY

We warrant this product to be free of defects in material and workmanship during the warranty period. Our warranty obligation is to provide a replacement for a defective, original part covered by the warranty after we receive a proper request from the Warrantee (you) for warranty service.

Who may request service?

Only a warrantee may request service. You are a warrantee if you purchased the product from us or from an authorized distributor AND has been fully paid.

Definition of "original part"?

An original part is a part used to make the product as shipped to the Warrantee.

What is a "proper request"?

A request for warranty service is proper if receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by one of the following methods:

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. After we receive your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, We will require you to send the entire product, or just the defective part (or parts), to its facility in Angola, IN.

What is covered under the warranty?

The warranty covers defects in the following original, dynamic parts: motors, hydraulic pumps, motor controllers, and cylinders. It also covers defects in original parts that wear under normal usage conditions ("wearing parts"), such as bearings, hoses, wheels, seals, brushes, and batteries.

How long is the warranty period?

The warranty period for original dynamic components is 1 year. For wearing parts, the warranty period is 90 days. Both warranty periods begin on the date we ship the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. We may, at its sole discretion, extend a warranty period for products shipped from authorized distributors by up to 30 days to account for shipping time.

If a defective part is covered by the warranty, what will do to correct the problem?

We will provide an appropriate replacement for any covered part. An authorized representative of the company will contact you to discuss your claim.

What is not covered by the warranty?

The Warrantee (you) is responsible for paying labor costs and freight costs to return the product to for warranty service.

Events that automatically void this Limited Warranty.

- Misuse;
- Negligent assembly, installation, operation or repair;
- Installation/use in corrosive environments;
- Inadequate or improper maintenance;
- Damage sustained during shipping;
- Collisions or other accidents that damage the product;
- Unauthorized modifications: Do not modify the product IN ANY WAY without first receiving written authorization from us.

Do any other warranties apply to the product?

We make no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty. We make no warranty or representation that this product complies with any state or local design, performance, or safety code or standard. Noncompliance with any such code or standard is not a defect in material or workmanship.