



**VESTIL MANUFACTURING CORP.**

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**DKL-SERIES DOCK LADDERS  
 INSTRUCTION MANUAL**



**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 at (260) 665-7586. The Department can also be contacted online at <https://www.vestil.com/page-parts-request.php>.

**Electronic Copies of Instruction Manual**

Additional copies of this instruction manual may be downloaded from <https://www.vestil.com/page-manuals.php>.

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## SIGNAL WORDS

SIGNAL WORDS appear in this manual to draw attention to messages about actions and uses of the product that are likely to result in personal injuries. Each signal word indicates a specific level of seriousness of injury. The NOTICE signal word calls attention to uses of the product likely to cause property damage. Signal words used in this manual appear below along with 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

Vestil strives to identify hazards associated with the use of its products. However, no manual can address every conceivable risk. The most effective way to avoid injury is to exercise sound judgment when assembling, using, inspecting, and maintaining this ladder. **Anyone who uses this ladder must be made aware that a copy of the manual is available and where to find it.**



If this product is assembled, installed, or used improperly, personal injuries might result.

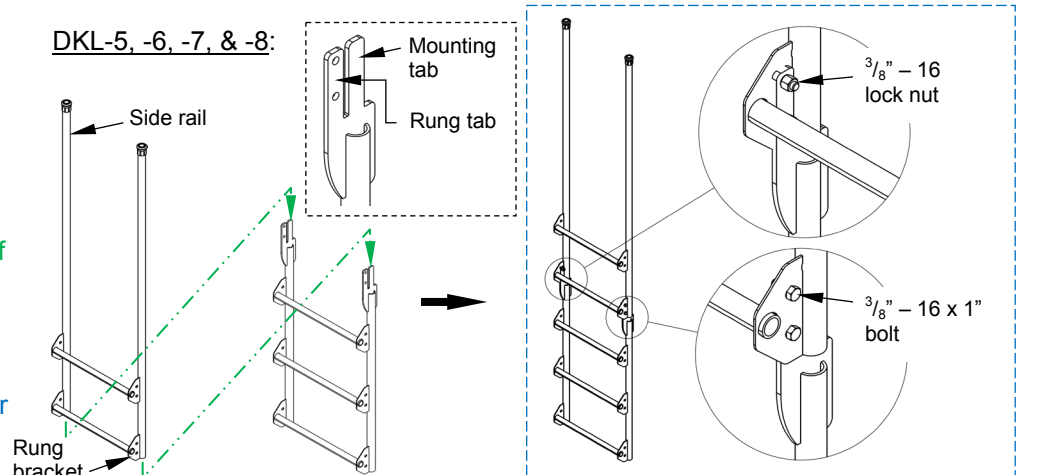
• **Failure to read and understand the entire manual before assembling, installing, using or servicing the product is a misuse of the product.**

- Read the manual to refresh your understanding of proper use and maintenance procedures.
- DO NOT attempt to resolve any problem(s) with the product unless you are both authorized to do so and *certain* that it will be safe to use afterwards.
- DO NOT modify the product in any way UNLESS you first obtain written approval from Vestil. Unauthorized modifications automatically void the [LIMITED WARRANTY](#) and might make the product unsafe to use.
- DO NOT exceed the maximum rated load. See Label 287 on product; also [LABELING DIAGRAM](#) on p. 9
- Inspect the ladder before each use. DO NOT use the ladder if structural damage is discovered. Examples of structural damage include, but are not limited to, the following: 1) Cracked, broken or significantly deformed rungs; 2) cracked welds; 3) corrosion, rusting, severe wear, or other condition that affects the integrity of the product. Replace each part that fails to pass an inspection. DO NOT use the ladder until it is restored to [SATISFACTORY CONDITION](#).
- Do not reach beyond or lean from the ladder.
- DO NOT use this device UNLESS all product labels are readable and undamaged. See [LABELING DIAGRAM](#).
- Proper maintenance is essential for this product to function properly. At least 1 time per month inspect the ladder to confirm that it is in normal operating condition:
  1. Confirm that all bolts and nuts that attach support brackets to ladder rungs are securely fastened and undamaged.
  2. Closely examine the anchor bolts used to mount the ladder to the wall (or other surface). Confirm that all anchor bolts are tight, unbent and do not wobble. Make sure that the concrete (or other mounting substrate) around the anchor bolts is not damaged, e.g. cracked, chipped, or eroded.
  3. Examine all welds and the metal around the welds for cracks and deformities.
  4. Inspect the overall structure. The ladder should be square and rigid.

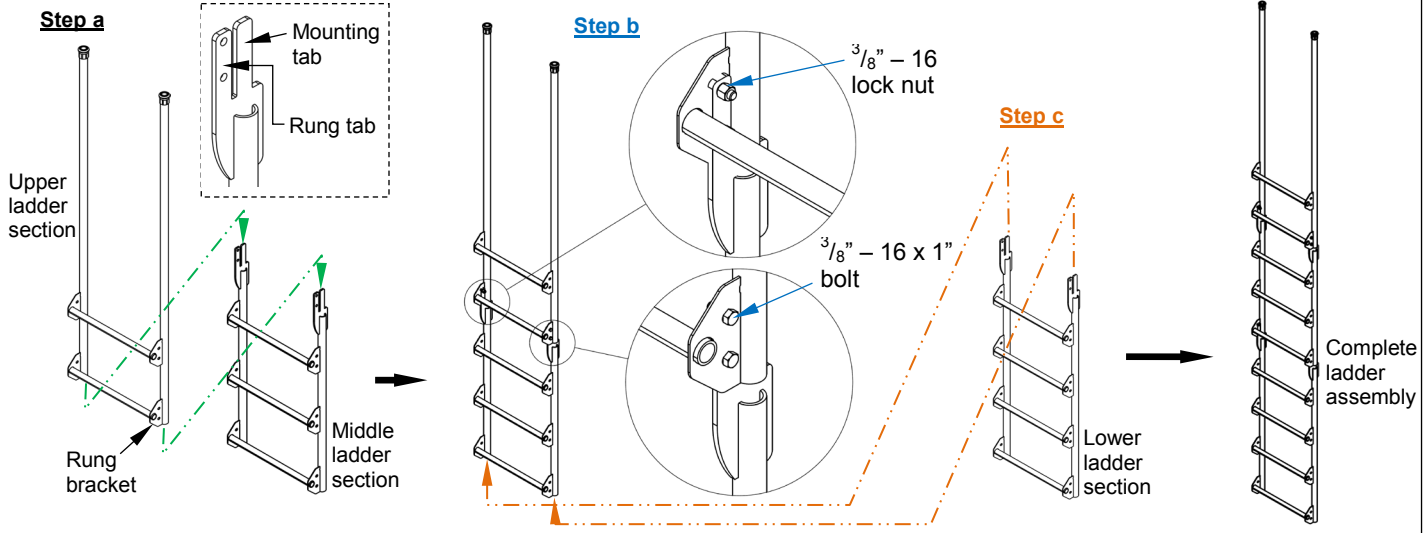
## ASSEMBLY

Models that have 5 or more steps (DKL-5 through DKL-10) require assembly.

- DKL-5, -6, -7, & -8 consist of 2 ladder sections, i.e. upper and lower ladder portions;
  - a. **Insert the mounting tabs of the lower ladder section into the open ends of side rails of the upper section;**
  - b. **Then fasten the rung tabs and rung brackets together with  $\frac{3}{8}$ " - 16 hardware as shown in the diagrams.**



- DKL-9 & -10 have 3 sections, i.e. upper, middle, and lower portions.
  - a. Insert the mounting tabs of the middle ladder section into the open ends of side rails of the upper section.
  - b. Fasten the rung tabs and rung brackets together with  $\frac{3}{8}$ " – 16 hardware as shown in the diagrams.
  - c. Insert the mounting tabs of the lower ladder section into the open ends of the side rails of the middle section; then fasten the rung tabs and rung brackets together with  $\frac{3}{8}$ " – 16 hardware and was done in step b.



## LADDER SPECIFICATIONS

Documents that provide specifications for DKL series mobile ladder stands are available online to anyone who visits Vestil's website. Specifications include dimensions, net weight, and capacity information. To access the appropriate specifications document, navigate to the DKL webpage at <https://www.vestil.com/product.php?FID=617>. Scroll the page to the entry for the model you purchased. Click the button in the "PDF" column that looks like a pencil inside a blue-bordered box. A PDF file will open. This 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. It shows specifications for model DKL-5.

**WALK-THRU STYLE DOCK LADDERS - DKL-5** APPROX WEIGHT: 50.03 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\*\*\*

**NOTE:** TOP BRACKET IS ALWAYS LOCATED WITH TOP RUNG

**NOTE:** BOTTOM BRACKET IS ALWAYS LOCATED WITH BOTTOM RUNG

USABLE WIDTH: 20 7/16"

FOR INTERNAL USE ONLY PROJECT SIGN OFF	
SALES	
ENG.	
FAB.	
POWER	

ALL GRAPHICS PROVIDED ARE FOR REFERENCE ONLY. IF CERTAIN DIMENSIONS ARE CRITICAL PLEASE VERIFY THOSE DIMENSIONS WITH YOUR SALESPERSON

**STANDARD FEATURES**

MODEL NUMBER IS DKL-5  
 OVERALL WIDTH IS 20 7/16"  
 OVERALL DEPTH IS 8 3/8"  
 USABLE STEP WIDTH 18"  
 OVERALL HEIGHT IS 101 1/2"  
 MAX. CAPACITY IS 300 LBS.

**SPECIAL FEATURES**

NONE

DIMENSION TOLERANCE ± 1/4"

I, THE UNDERSIGNED, AGREE THAT THE PRODUCT AS REPRESENTED SATISFIES DESIGN AND DIMENSION REQUIREMENTS. I ALSO ACKNOWLEDGE MY DUTY TO CONFIRM PRODUCT AND INSTALLATION COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND STANDARDS. **ALL SPECIAL UNITS ARE NON-RETURNABLE** [ ] As drawn [ ] As marked

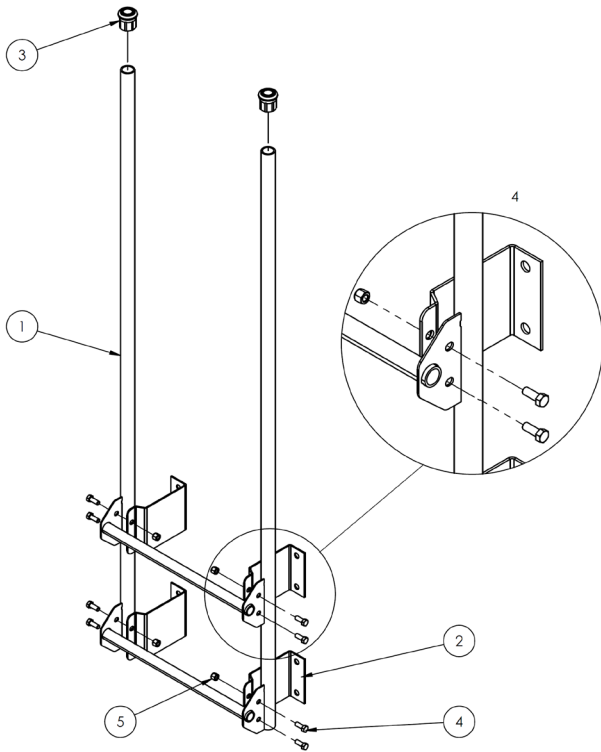
Signed: \_\_\_\_\_ Date: \_\_\_\_\_

LEAD TIME WILL START UPON RECEIPT OF SIGNED APPROVAL DRAWING

DISTRIBUTOR'S NAME: <b>VESTIL MANUFACTURING</b>	P.O.# X
DRAWN BY:	W/O.# X
DATE:	SALES: X
REFERENCE: X	SCALE: 1:24
QUOTED LEAD TIME: X	QUOTE # X
	FILE NAME: 23-007-443

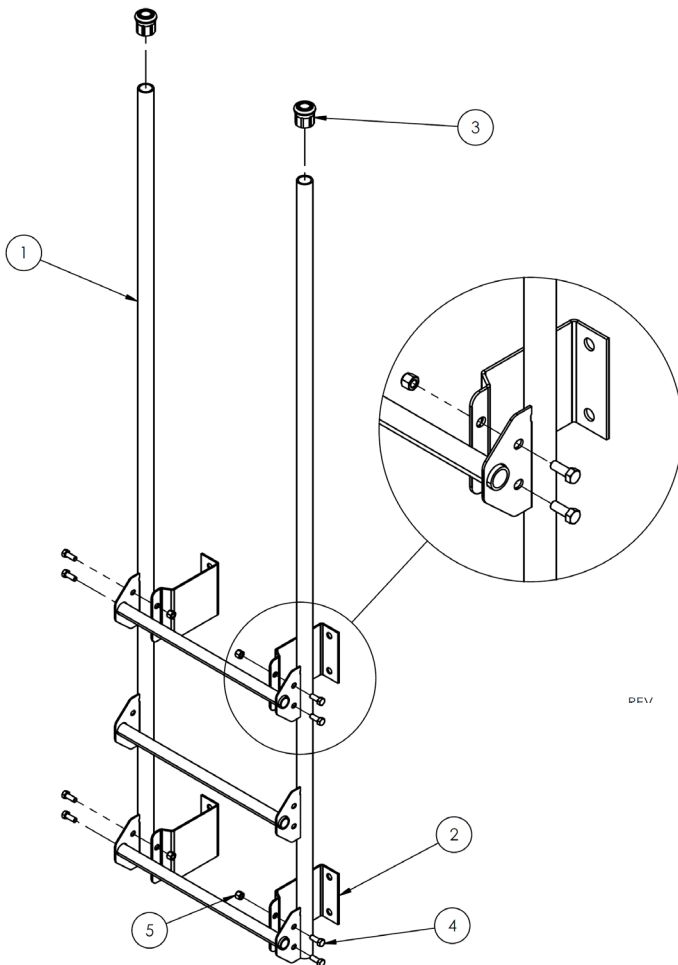
**NOTE:** If your model is not included on the LAD-PW webpage, or if you cannot access and/or print the specifications document, contact the [Technical Service Dept.](#) Contact information for the department is provided on the cover page of this manual.

### EXPLODED VIEW AND BILL OF MATERIALS: DKL-2



5	37024	3/8 NYLOCK INSERT NUT	8
4	11105	BOLT, HHCS #2 Z PLATED	8
3	14-037-005	RUBBER STOP CRUTCH TIP	2
2	23-016-156	BRACKET,LADDER,SUPPORT	4
1	23-514-152	WELDMENT,FRAME	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

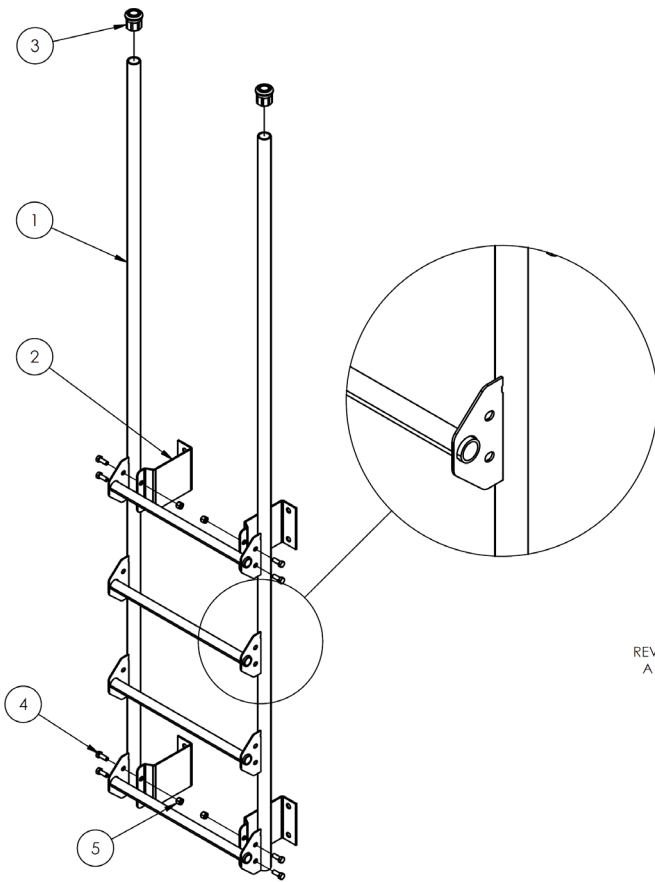
### EXPLODED VIEW AND BILL OF MATERIALS: DKL-3



5	37024	3/8 NYLOCK INSERT NUT		8
4	11105	BOLT, HHCS #2 Z PLATED	3/8-16 x 1	8
3	14-037-005	RUBBER STOP CRUTCH TIP	1 1/4" ID X 1 11/16" LG	2
2	23-016-156	BRACKET,LADDER,SUPPORT	PLATE, 3/16"	4
1	23-514-153	DKL-3		1
ITEM NO.	PART NUMBER	DESCRIPTION	StockSize	QTY.

DEV

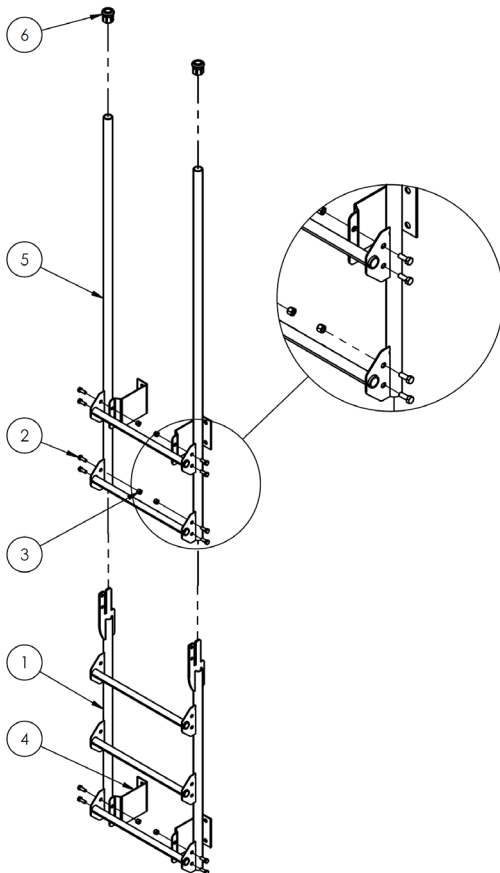
### EXPLODED VIEW AND BILL OF MATERIALS: DKL-4



REV. A

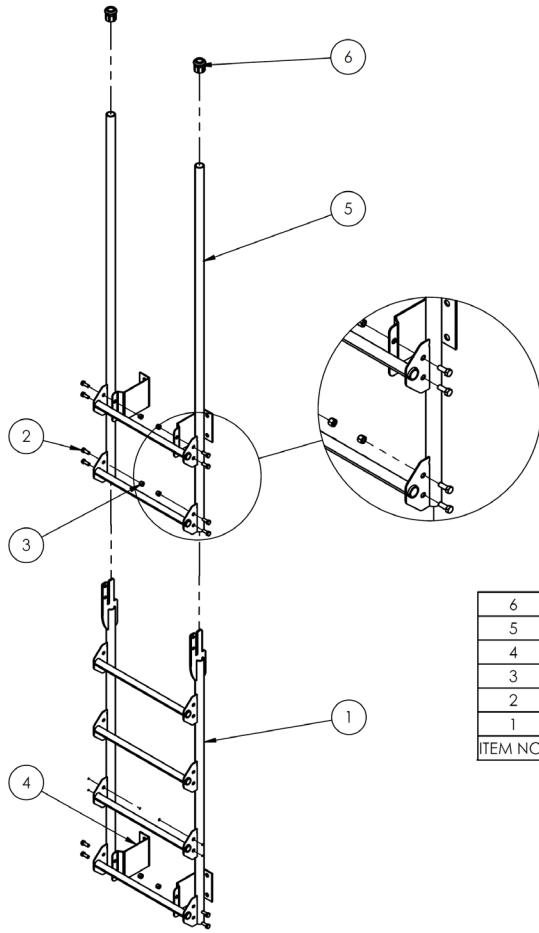
5	37024	3/8 NYLOCK INSERT NUT		8
4	11105	BOLT, HHCS #2 Z PLATED	3/8-16 x 1	8
3	14-037-005	RUBBER STOP CRUTCH TIP	1 1/4" ID X 1 11/16" LG	2
2	23-016-156	BRACKET,LADDER,SUPPORT	PLATE, 3/16"	4
1	23-514-154	DKL-4		1
ITEM NO.	PART NUMBER	DESCRIPTION	StockSize	QTY.

### EXPLODED VIEW AND BILL OF MATERIALS: DKL-5



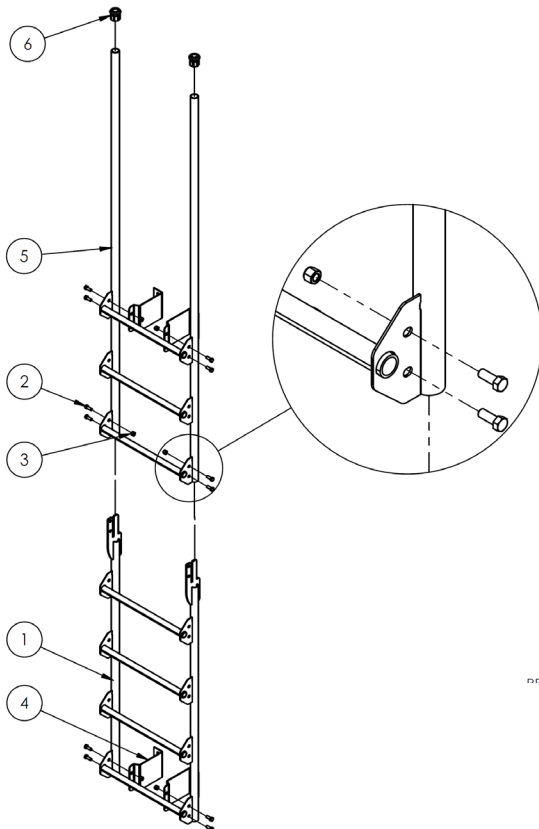
6	14-037-005	RUBBER STOP CRUTCH TIP		2
5	23-514-152	WELDMENT,FRAME		1
4	23-016-156	BRACKET,LADDER,SUPPORT		4
3	37024	3/8 NYLOCK INSERT NUT		12
2	11105	BOLT, HHCS #2 Z PLATED		12
1	23-514-155	WELDMENT,LOWER SECTION		1
ITEM NO.	PART NUMBER	DESCRIPTION		QTY.

EXPLODED VIEW AND BILL OF MATERIALS: DKL-6



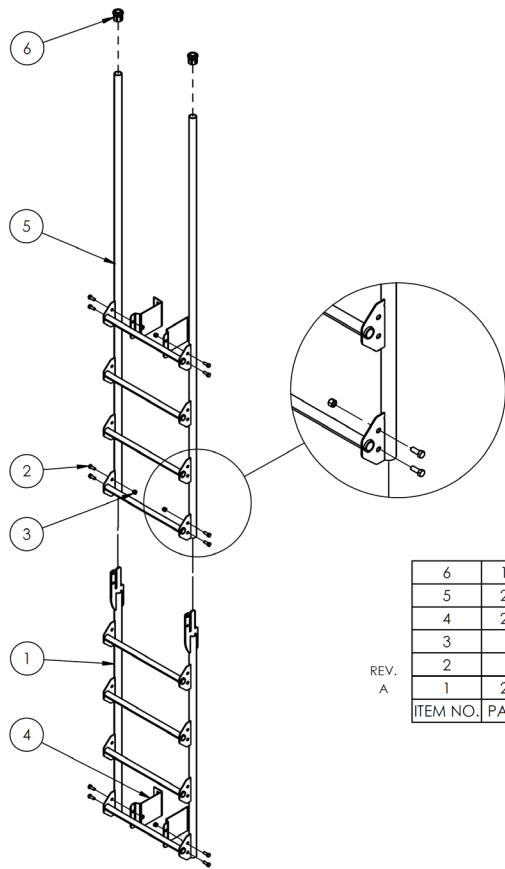
6	14-037-005	RUBBER STOP CRUTCH TIP	2
5	23-514-152	WELDMENT,FRAME	1
4	23-016-156	BRACKET,LADDER,SUPPORT	4
3	37024	3/8 NYLOCK INSERT NUT	12
2	11105	BOLT, HHCS #2 Z PLATED	12
1	23-514-156	WELDMENT,LOWER SECTION	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

EXPLODED VIEW AND BILL OF MATERIALS: DKL-7



6	14-037-005	RUBBER STOP CRUTCH TIP	2
5	23-514-153	DKL-3	1
4	23-016-156	BRACKET,LADDER,SUPPORT	4
3	37024	3/8 NYLOCK INSERT NUT	12
2	11105	BOLT, HHCS #2 Z PLATED	12
1	23-514-156	WELDMENT,LOWER SECTION	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

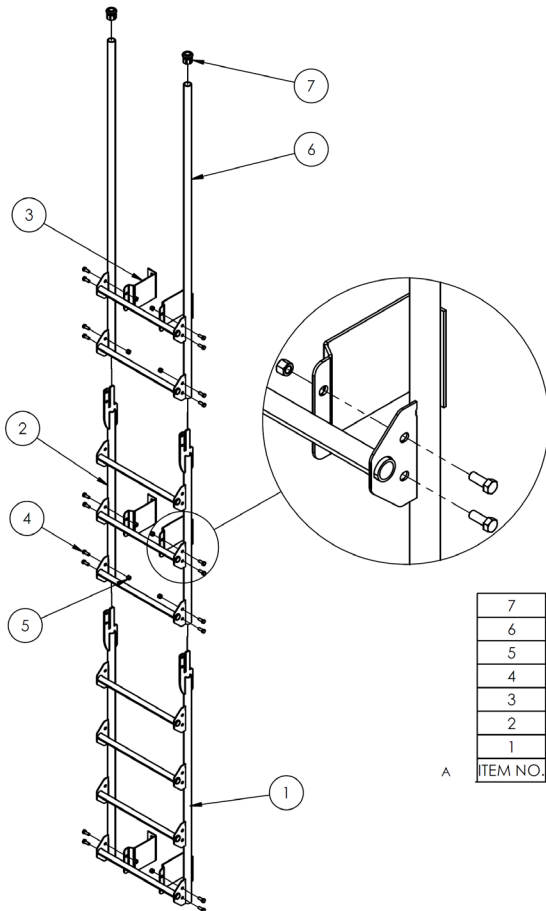
EXPLODED VIEW AND BILL OF MATERIALS: DKL-8



REV.  
A

6	14-037-005	RUBBER STOP CRUTCH TIP	2
5	23-514-154	DKL-4	1
4	23-016-156	BRACKET,LADDER,SUPPORT	4
3	37024	3/8 NYLOCK INSERT NUT	12
2	11105	BOLT, HHCS #2 Z PLATED	12
1	23-514-156	WELDMNT,LOWER SECTION	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

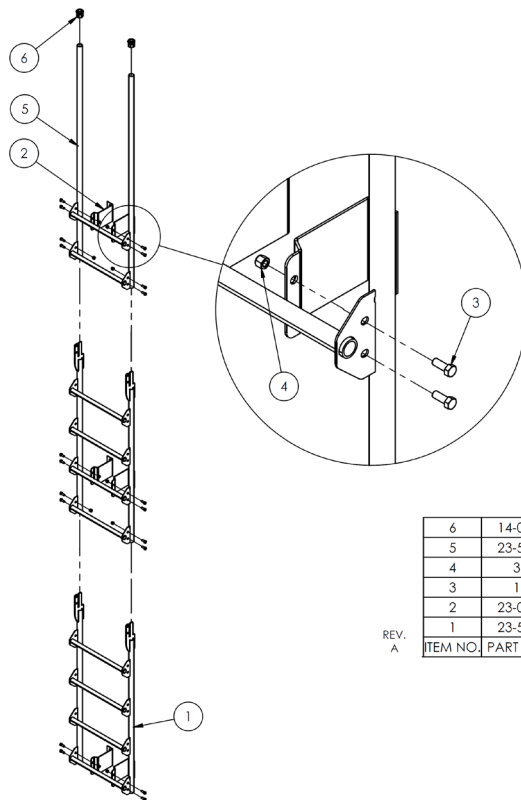
EXPLODED VIEW AND BILL OF MATERIALS: DKL-9



A

7	14-037-005	RUBBER STOP CRUTCH TIP	2
6	23-514-152	WELDMNT,FRAME	1
5	37024	3/8 NYLOCK INSERT NUT	20
4	11105	BOLT, HHCS #2 Z PLATED	20
3	23-016-156	BRACKET,LADDER,SUPPORT	6
2	23-514-155	WELDMNT,LOWER SECTION	1
1	23-514-156	WELDMNT,LOWER SECTION	1
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

## EXPLODED VIEW AND BILL OF MATERIALS: DKL-10

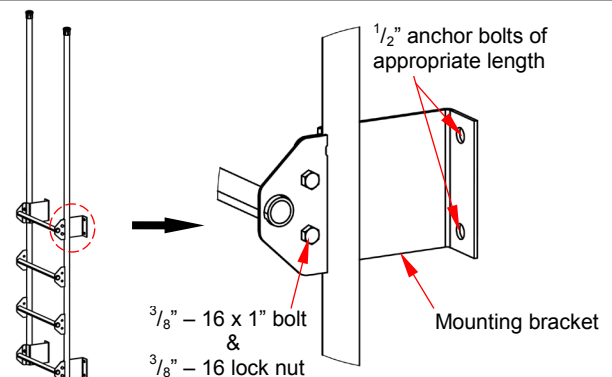
REV.  
A

6	14-037-005	RUBBER STOP CRUTCH TIP	2
5	23-514-152	WELDMENT, FRAME	1
4	37024	3/8 NYLOCK INSERT NUT	20
3	11105	BOLT, HHCS #2 Z PLATED	20
2	23-016-156	BRACKET, LADDER, SUPPORT	6
1	23-514-156	WELDMENT, LOWER SECTION	2
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.

## INSTALLATION INSTRUCTIONS

Mount the ladder to a vertical surface (pitch range 75°-90° from horizontal). The mounting surface, e.g. concrete wall must be able to support the combined weights of the ladder and a full capacity load (300 pounds). See [LADDER SPECIFICATIONS](#) on p. 3.

1. Attach mounting brackets to the ladder as shown and in the locations shown in the appropriate *EXPLODED VIEW*. See p. 4 - 8.
2. Attach each mounting bracket to the mounting surface using two (2)  $\frac{1}{2}$ " anchor bolts of appropriate length selected by your building engineer.



## USING THE LADDER

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

Face the ladder whenever ascending or descending the ladder.

Always maintain a 3-point contact while ascending or descending the ladder. 3-point contact means that the user must be safely supported by either 2 hands and 1 foot or 2 feet and 1 hand.

Both hands and arms must remain free for climbing. Do not carry tools or equipment while ascending/descending the ladder. Carry tools in a pouch holster or otherwise be secured. Materials and supplies should not be handled by the ladder user.

Never jump or slide down from a ladder.

Do not climb more than 1 rung at a time.

Use footwear with heels when climbing the ladder. Do not use flat-soled shoes. Do not climb the ladder if your shoes are greasy or slippery.

Do not use the ladder if your hands are greasy/slippery, or if you are wearing gloves that are greasy or slippery.

Ladder surfaces, particularly surfaces of rungs and siderails, must always be kept free of grease, oil, or other slippery substances.

Do not climb the ladder if you are physically limited and cannot climb the ladder safely. Examples of such limitations include fainting spells and using medications or prescription drugs which might cause physical impairment(s).



## RECORD OF SATISFACTORY CONDITION (THE “RECORD”)

Before putting the ladder into service, record its condition. Make written records that describe the locations of labels and the soundness of all anchor bolt connections. Take photographs from multiple angles. Take close-range photographs of all anchor bolts, each mounting bracket, each label, and all bracket fasteners (bolts, lock nuts). Collect all photographs and writings in a file and mark the file appropriately to identify it. This file is a record of the ladder in satisfactory condition. Use the contents of this file to determine whether the ladder is in satisfactory condition during all inspections. Do not use the ladder unless it is in satisfactory condition. Purely cosmetic changes, like damaged finish (paint or powder coat), do not constitute changes from satisfactory condition. However, touchup paint should be applied to the affected areas as soon as damage is noticed.

## NATIONAL STANDARDS

This product is a fixed ladder (FL). [ANSI-ASC standard A14.3](#) (the “Standard”) applies to FL’s. You *should* acquire a copy of the latest version of the Standard. Follow all use and maintenance/care instructions provided in the Standard as well as all other provisions for FL owners and users. If any content in this manual conflicts with any mandatory provision(s) in the Standard, apply the provision(s) from the Standard. Please contact [TECHNICAL SERVICE](#) personnel and report the conflict.

## INSPECTIONS & MAINTENANCE

Regular inspections and maintenance is required for the ladder to function properly for as long as possible. Inspect the unit as instructed. Inspections and all necessary repairs should only be performed by qualified persons. Compare the results of each inspection to the [RECORD OF SATISFACTORY CONDITION](#). Do not use the ladder unless every part is in satisfactory condition. If you have any questions about the condition of your ladder, contact the [TECHNICAL SERVICE](#) department. 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 to restore the ladder to satisfactory condition.

**Before each use** inspect the ladder for any sustained damage, such as unusual wear, deterioration, or corrosion. Look for loose connections. Tighten all loose connections.

**Regular inspections — At least once per month** inspect the following items. Replace all parts not in satisfactory condition before returning the ladder to service. DO NOT continue to use the ladder if damage cannot be repaired.

- Frame elements (siderails and rungs): Inspect both siderails. Confirm that they are solidly fastened to the rungs and to the wall. Each siderail and each rung/step should be straight, rigid, and undamaged. Look for excessive wear, bends, cracks, damaged welds, and looseness. All frame elements should be square, rigid, and free of rust and corrosion. Remove rust and apply touch-up paint to the affected area. Check the areas where components are fastened/bolted together. Check all fasteners (bolts, lock nuts) for damage. Examine the metal around bolt holes for cracks, elongations, etc. All rung fasteners must be tight. If a lock nut must be removed, it must be replaced with a new lock nut.
- Anchor bolts: Examine the anchor bolts and the wall material around the anchor bolts. Bolts must be solidly attached to the wall. The wall material must not be cracked or damaged in other ways around the anchor bolts.

**Maintenance:** In addition to correcting issues discovered during inspections, maintain the ladder.

- Clean the ladder with a damp cloth to remove dirt and grime, especially from step surfaces. Let the ladder dry completely before returning it to service.
- Apply touchup paint wherever the finish is damaged. Apply touchup paint as soon as damage occurs.

### LABELING DIAGRAM

Label content and location are subject to change. Your product might not be labeled exactly as shown. Compare this diagram to the [RECORD](#) on p. 9. If differences exist between the diagram and the [RECORD](#), contact [TECHNICAL SERVICE](#). Replace all labels that are damaged, missing, or not easily readable (e.g. faded). To order replacement labels, contact the technical service and parts department online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm).

Alternatively, you may request replacement parts, including labels, and/or service by calling (260) 665-7586 and asking the operator to connect you to the Parts Department.



Label 287: Model designation and capacity; covered with label 770

MODEL/MODÉLO/MODELE	_____
STATIC CAPACITY (evenly distributed)	_____ lbs.
LA CAPACIDAD CONSTANTE (distribuida uniformemente)	_____ kgs.
CAPACITÉ STATIQUE (distribuée régulièrement)	_____ kgs.
SERIAL/SERIE/SÉRIE	_____

287 REV 0812

Label 821: Read instruction manual



## LIMITED WARRANTY

Vestil Manufacturing Corporation (“Vestil”) warrants 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 Vestil or from an authorized distributor AND Vestil 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 Vestil 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:

<u>US Mail</u>	<u>Fax</u>	<u>Email</u>
Vestil Manufacturing Corporation 2999 North Wayne Street, PO Box 507 Angola, IN 46703	(260) 665-1339 <u>Phone</u> (260) 665-7586	<a href="mailto:info@vestil.com">info@vestil.com</a> Enter “Warranty service request” in subject field.

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. After Vestil receives 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, Vestil 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 90 days. For wearing parts, the warranty period is 90 days. Both warranty periods begin on the date Vestil ships the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. Vestil 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 Vestil do to correct the problem?

Vestil will provide an appropriate replacement for any *covered* part. An authorized representative of Vestil 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 Vestil 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 Vestil.

### Do any other warranties apply to the product?

Vestil Manufacturing Corp. makes 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. Vestil makes 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.

