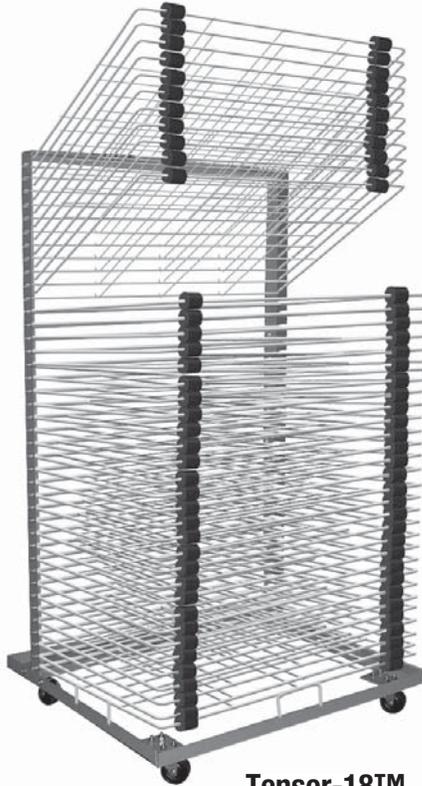
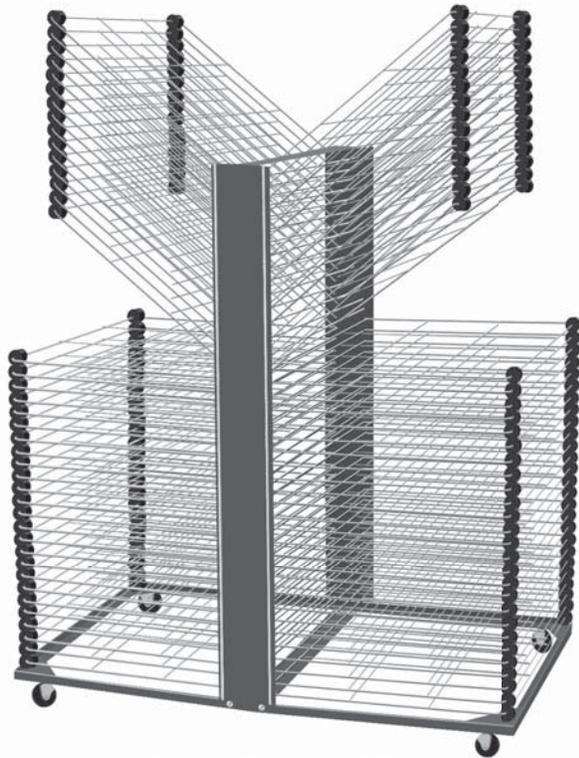


TENSOR-18™

For Screen Printing, Industrial and Educational Applications



**Tensor-18™
MR1824**



**Double Tensor-18™
MR1824D**

Assembly & Instruction Manual

TENSOR-18™ MODELS:

**MR1824
MR1824D**



Manufactured by
A.W.T. World Trade Inc.
A Division of The A.W.T. World Trade Group

saturnrack@awt-gpi.com
www.saturnrack.com

Congratulations on your purchasing of a Saturn Rack, A Division of A.W.T. World Trade Inc, Tensor-18™ Specialty Drying Rack. It will provide you many years of continuous service.

Your new Tensor-18™ Drying and Storage Rack features include:

- All-steel welded components
- A rust-resistant, solvent-resistant powder-coated finish
- Heavy-duty steel ball-bearing casters
- Easy to adjust shelves
- 6"x 6" (16cm x 16cm) mesh to hold smaller parts
- Backstop wires to prevent object falling behind shelves
- A retaining strip to keep shelves in place
- Double bumpers for additional shelf support



If your shipment arrives damaged (either visible or concealed) or there is a shortage, it must be reported to the ground parcel service for inspection within three (3) days or your claim will be denied. In the event that the claim is denied, we will still expect full payment of the invoice from you.

Do not discard any packaging materials until the product is assembled and working properly.

COMPONENTS & PARTS

Before beginning installation, please be sure you have identified all the Tensor-18™ assembly parts and verify that you have the correct quantities for your model, as outlined in

the chart below. Refer to Figure 1, page 3 for help in identifying the parts. Note that screws, washers, nuts and bumpers are in small packages.

MR1824			
DIAGRAM NO.	DESCRIPTION	PART #	QTY
1	Upright (rectangular frame with slots)	RUP-2440A	1
2	Base (square frame)	RBA-2440A	1
3	Retaining Strips	RFB-2440A	1
4	Plate Castors	RCA-1	4
5	Standard Shelves	RSH-2440A	39
6	Bottom Shelf with Riser	RSHB-2440A	1
7	Bumpers (40 Per Bag)	EB-40A	2
8	#10-20 x 3/4 panhead screws	RPS-24	16
9	#10 Lockwashers	RLW-24	16
10	#10-24 Nuts	RPN-24	16
11	Panhead Shelf Tapping Screws	RPS6-24	8
12	1/4 - 20 3/4 panhead screw	RPS-2	4
13	1/4 Lockwasher	RLW-2	4
14	1/4 - 20 nut	RPN-2	4

MR1824D			
DIAGRAM NO.	DESCRIPTION	PART #	QTY
1	Upright (rectangular frame with slots)	RUP-2480	1
2	Base (square frame)	RBA-2480	1
3	Retaining Strips	RFB-2480	2
4	Plate Castors	RCA-1	4
5	Standard Shelves	RSH-2480	78
6	Bottom Shelf with Riser	RSHB-2480	2
7	Bumpers (80 Per Bag)	EB-80	2
8	#10-20 x 3/4 panhead screws	RPS-24	16
9	#10 Lockwashers	RLW-24	16
10	#10-24 Nuts	RPN-24	16
11	Panhead Shelf Tapping Screws	RPS6-24	16
12	1/4 - 20 3/4 panhead screw	RPS-2	4
13	1/4 Lockwasher	RLW-2	4
14	1/4 - 20 nut	RPN-2	4

* You may order an additional set of bumpers. For recommended installation, see Figure 8, page 6.



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A Division of The A.W.T. World Trade Group

4321 N. Knox Avenue • Chicago, IL 60641 USA

773.777.7100 • Fax: 773.777.0909

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PARTS DIAGRAM

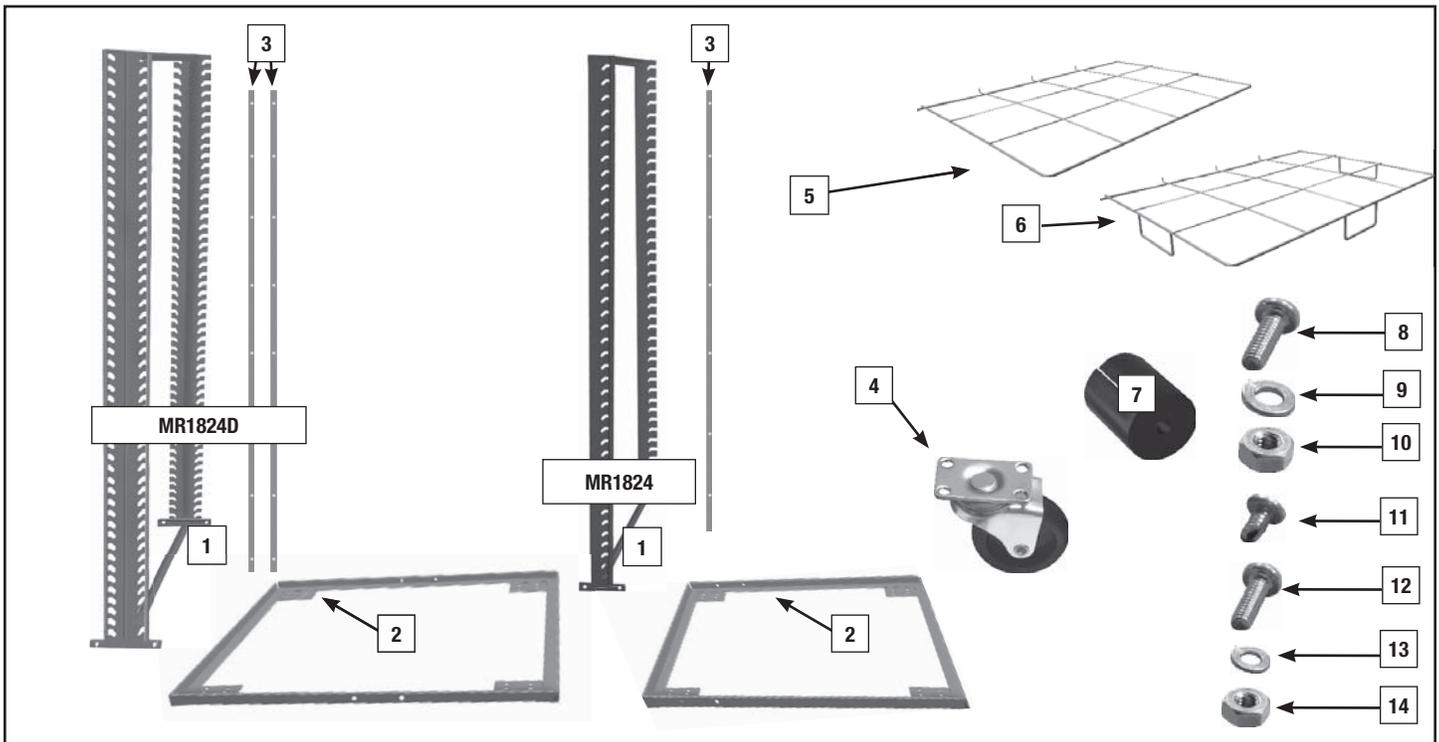


Figure 1. Components included with drying/storage rack—numbers correspond to line on Components & Parts chart, page2 (parts not shown to scale).

ASSEMBLY INSTRUCTIONS

OVERVIEW

Assembly procedures for the Tensor-18™ Series models covered by this instruction manual are very similar, varying primarily in the number of components. The Components & Parts chart on page 2 will guide you on the number of pieces required for your particular model. Where required for clarity, these instructions will differentiate between models.

Model MR1824 (Tensor-18™) features a single column of shelves. Model MR1824D (Tensor-18™ Double) includes two columns of shelves, mounted back-to-back. The completed Tensor-18™ models are pictured on the cover.

For ease of assembly, we recommend that you first unpack all parts, identify the components required for your assembly and spread them out so they will be readily accessible.

INSTALLING CASTERS

Components: 1 base and 4 casters

Parts: 16 panhead (#10 - 20 3/4) machine screws, 16 lock washers (#10) and 16 nuts (#10 - 24)

Turn the base upside down (the lip of the base facing down). Install each caster with four machine screws, four (4) lock washers and four nuts. Machine screw heads should be on the caster side of assembly to allow casters to move freely (Figure 2).

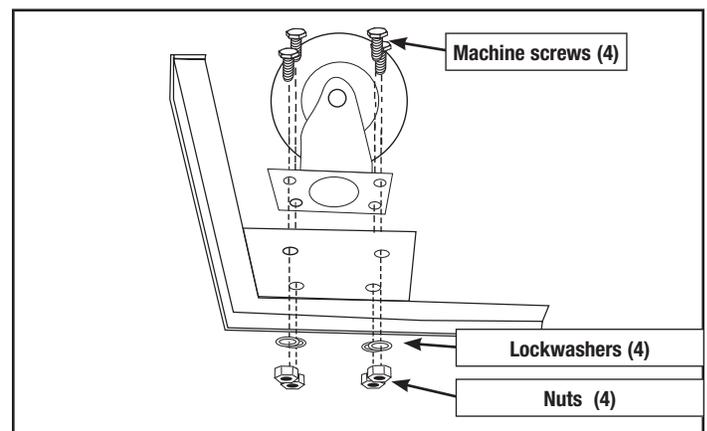


Figure 2. Attach casters to base (shown upside down for installation).



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ATTACHING UPRIGHT TO BASE

Components: Base and upright frame

Parts: 4 machine screws (1/4-20x3/4), 4 lock washers (1/4) and 4 nuts (1/4-20). Turn the base back right side up (with the casters on the bottom). Align the holes in the mounting brackets of the frame with the upright mounting holes on the base (Figures 3 & 4) and attach using four machine screws, four lock washers and four nuts. Screw heads should be to the outside and the lock washers and nuts to the inside. The upright mounts at the rear of the frame for models MR1824 and MR1824D (Figure 3) and at the center of the frame for models MR1824 and MR1824D (Figure 4).

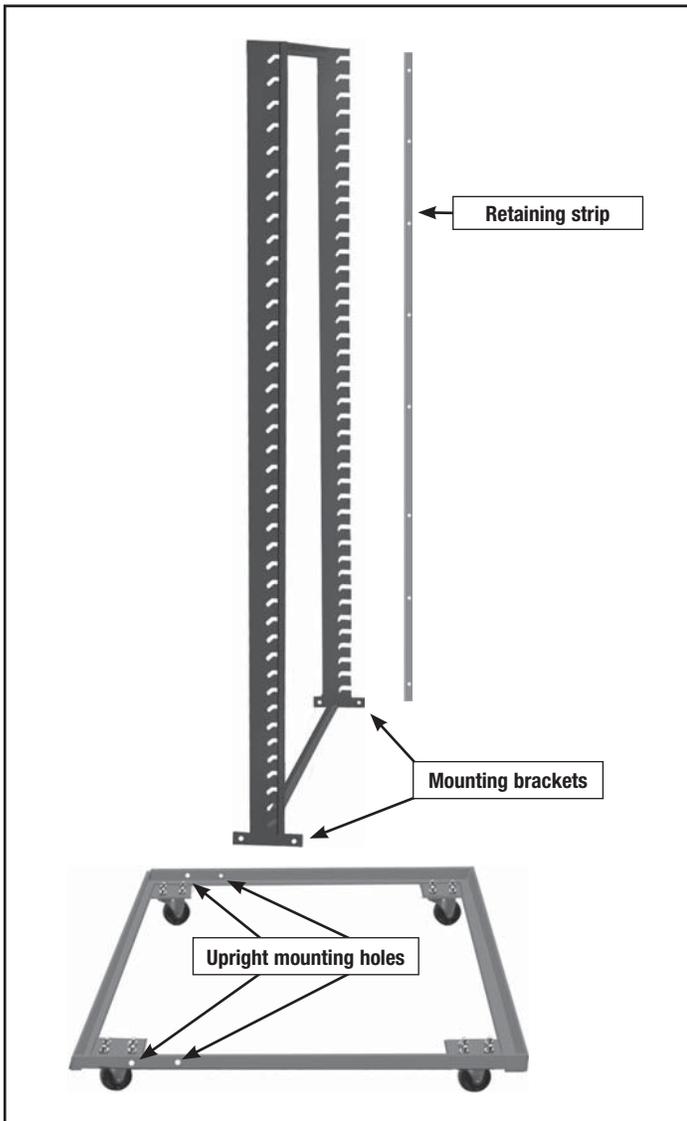


Figure 3. Attach upright to base; side of upright with welded lock strip is in foreground (Models MR1824)

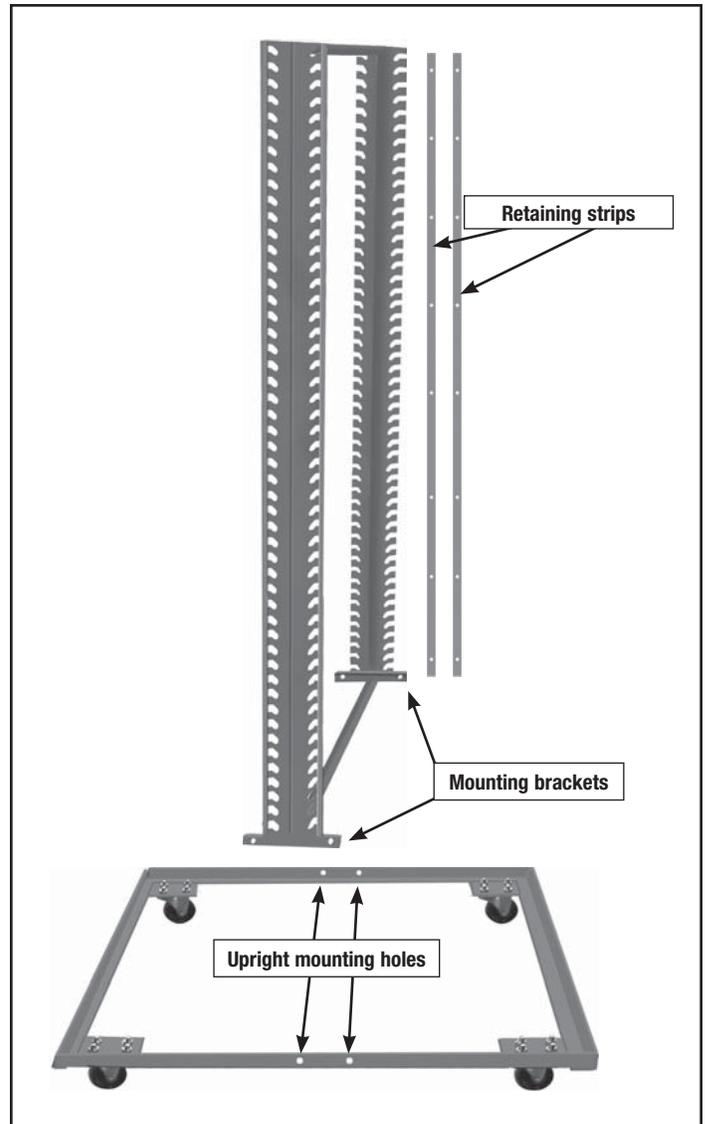


Figure 4. Attach upright to base; side of upright with welded lock strips is in foreground (Model MR1824D)

INSTALLING SHELVES

Components: Bottom shelf (riser), standard shelf (see chart page 2 for quantities)

Parts: Floating lock strip(s), rubber bumpers and #6 self-tapping pan head screws (see chart page 2 for quantities)

Overview

The bottom and standard Tensor-18™ shelves include two mounting nubs that extend out from the rear of each shelf (Figures 5 & 6, page 5). Each shelf also has backstop wires that must extend upward to keep the material from slipping off the shelf when it is in the open position.

The nubs slip easily into slots on the upright. Each upright has a shelf locking strip welded on one side to keep



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the shelves in place after they are installed. A floating locking strip(s) is installed with the self-tapping screws on the other side once all the shelves are installed. A fully assembled Tensor-18™ is pictured in Figure 8 (page 6).

Note Model MR1824D has two columns of shelves. These instructions should be repeated for the second column.

Installation

1. Holding the bottom shelf (Figure 5) at an angle with the risers extending downward, slip the mounting nub into the slot on the side of the upright with the welded locking strip (Figure 7). Slip the mounting nub on the other side into its corresponding slot.

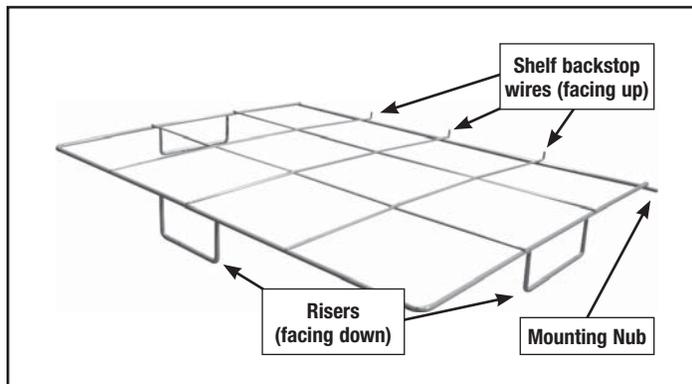


Figure 5. Install bottom shelf with risers facing down.

2. Follow the same procedure for each of the standard shelves (Figure 6), working up from the bottom. Be sure all backstop wires are extending upward.
3. After all shelves are in place, attach the retaining strip (Figures 3 & 4, page 4) to the open side of the upright with the self-tapping screws. This will prevent the shelves from falling out.

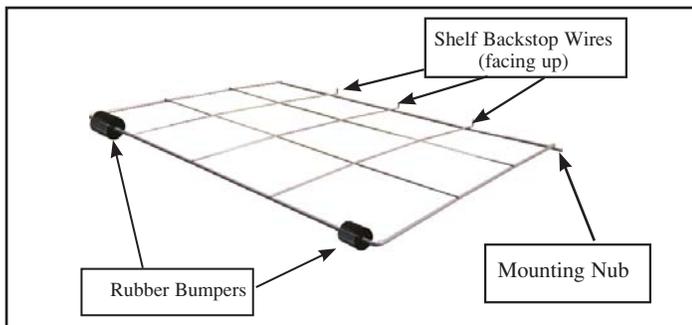


Figure 6. Install Trays with backstop wires facing up (pictured with bumper, which is usually installed after all the shelves are in place).

4. Snap one rubber bumper to the edges of each shelf, left and right (Figure 6), including the bottom shelf. Install all bumpers in the same position and align them above one another so the shelves remain level to the base. Your rack is now assembled and ready for use.

OPERATION

To prepare the rack for loading, lift all the shelves upward, beginning with the top shelf. To raise a shelf, hold it by the bumper, lift it gently and slide it backward so the mounting nubs slip down into the slot (Figure 7). Work your way to the bottom.

Note Do not lift the bottom (riser) shelf; it always remains horizontal.

Load material on the bottom shelf first. Working upward, pull the next shelf forward and down. Continue this step until all shelves are loaded and in the down position. Unused shelves may remain in the up position.

To unload shelves begin at the top and, working down, remove the substrate and lift each shelf into the up position.

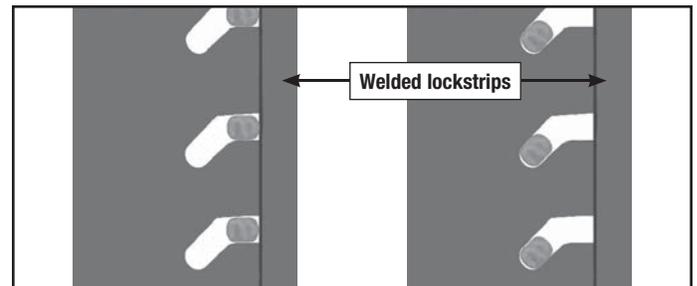


Figure 7. Position of mounting nubs with shelves down (loaded), left, and up (open), right. (Pictured are detailed views of two single-shelf uprights.)

Figure 8 (page 6) shows the shelves in both the loaded and unloaded positions.



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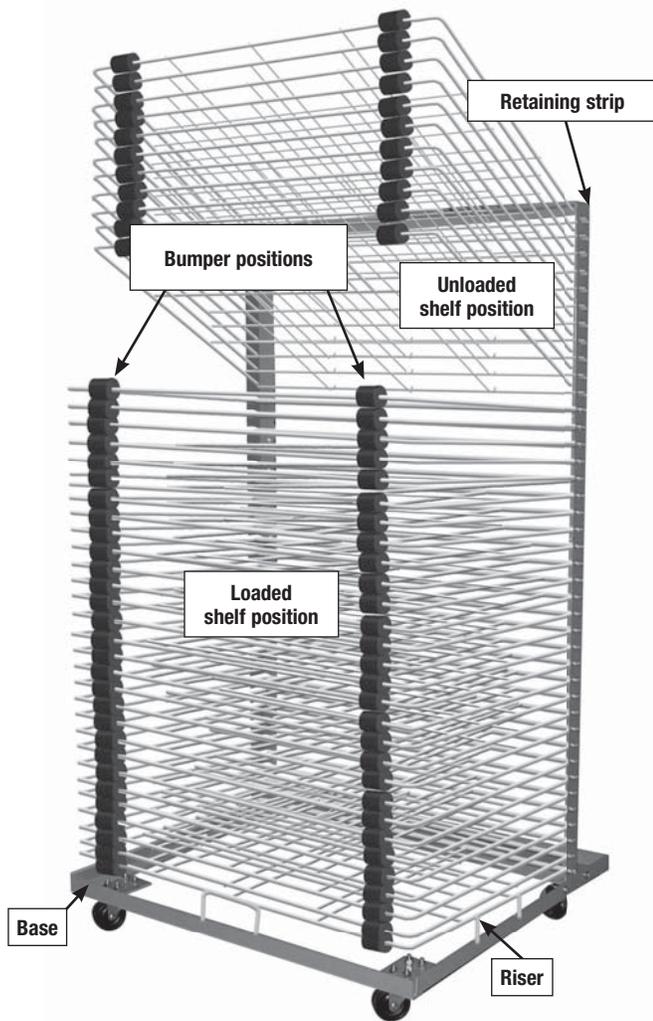


Figure 8. Shelves shown in loaded and unloaded positions.

Limited Warranty

A.W.T. equipment is warranted against defects in workmanship and materials for a period of one (1) year from the shipping date of the equipment from A.W.T. World Trade, Chicago, IL 60641. Warranty is not included for any product that remains unpaid for according to the Sales Agreement/Quotation conditions.

A.W.T.'s warranty does not provide for failure of parts or components resulting from misuse or lack of maintenance. A.W.T. is not responsible for installation or replacement of any defective part or its replacement. Service labor, travel cost, and sustenance charges are the responsibility of the customer on all defective parts. Removal or installation, if requested, is billed at the prevailing service rates. Any part determined to be defective, in workmanship and material, under this limited warranty period will be repaired or replaced, at our option, without charge, when returned **within 30 days from the date the Return Authorization was issued**. A.W.T. and Graphic Parts International are not obligated to pay freight costs. Customers must obtain a return authorization number from our Customer Service Department or Service Manager before returning any defective part. The consumer must return parts via prepaid postage or prepaid freight to the following address:

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Consequential damages, lost time, material loss, inconvenience or contingent liabilities are not covered by this warranty. We specifically make no other warranties, expressed or implied, other than the above Limited Warranty.

SPECIFICATIONS

MODEL NO.	DESCRIPTION	SHELVES	DEPTH	WIDTH	SHIPPING DIMENSIONS	SHIPPING WEIGHT
MR1824	Tensor-18™	40	24" (64cm)	25 (64cm)	47"L x 72"W x 9"D (119.4cm x 68.6cm x 22.9cm)	72 lbs.
MR1824D	Double Tensor-18™	80	54 (138cm)	25 (64cm)	43"L x 27"W x 11"D (109.2cm x 68.6cm x 22.9cm)	127 lbs.



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