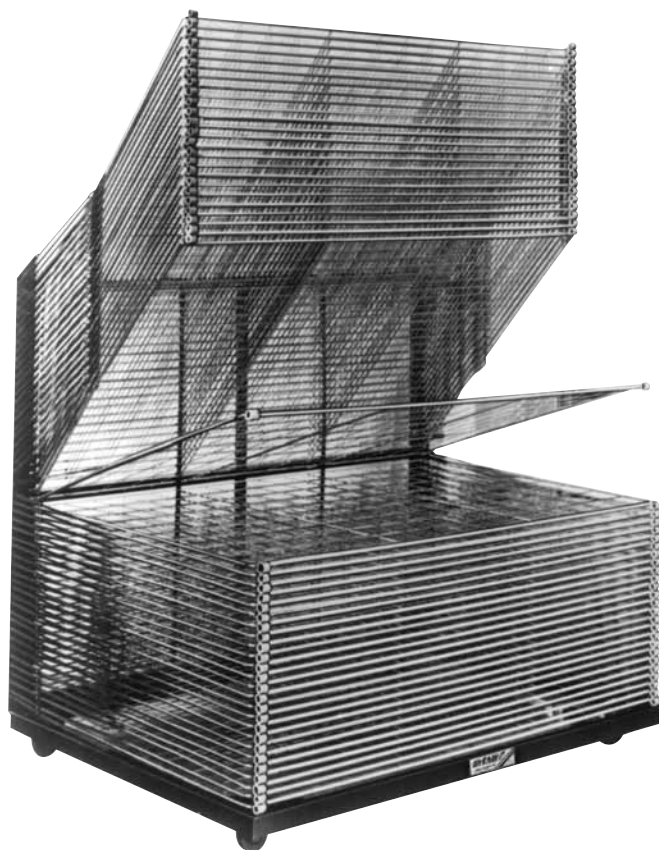


RACK-IT™ SERIES

A Full Line of Drying & Storage Racks

For Screen Printing, Industrial & Educational Applications



Assembly & Instruction Manual

MODELS:

DR-36-40

DR-46-40

DR-48-40

DR-36-50

DR-48-50

DR-50-50

DR-55-50

DR-68-50

DR-80-50

Manufactured by



A.W.T. World Trade, Inc.

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

Moving ahead with technology

Thank you for purchasing the A.W.T. Rack-It™ Series Industrial Drying Rack. It will provide you many years of continuous service.

Note: If the shipment is received damaged, either visibly or concealed, it must be called into the freight company for inspection within seven days or your claim may be denied.

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

Your new RACK-IT™ Drying and Storage Rack features include:

- All-steel welded components
- Rust-resistant and solvent-resistant finish
- Heavy-duty steel ball-bearing casters,
- Easy-to-adjust self-tensioning shelves, spaced for maximum solvent evaporation
- Permanent, all-steel spacers

COMPONENTS & PARTS CHECKLIST

The following components are common in all Rack-It models. See Page 7 for those components specific to your Rack-It model.

Diagram #	Description	Quantity	Check
1	Base	1	<input type="checkbox"/>
2	Upright Back Frame	1	<input type="checkbox"/>
3	Ball Bearing Caster	4	<input type="checkbox"/>
4	Angle Stop Bar	2	<input type="checkbox"/>
5	Back Stop Bar	2	<input type="checkbox"/>
6	5/16" Nut	32	<input type="checkbox"/>
7	Extension Arm	2 per shelf	<input type="checkbox"/>
8	Spring	2 per shelf	<input type="checkbox"/>
9	Shelf	Varies among models (see page 7)	<input type="checkbox"/>
10	5/16" Bolt	32	<input type="checkbox"/>
11	Locking Washer	32	<input type="checkbox"/>
12	Flat Spacing Washer	6 Flat Spacing Washers for use between base and frame, plus 2 per shelf axle	<input type="checkbox"/>



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PARTS DIAGRAM

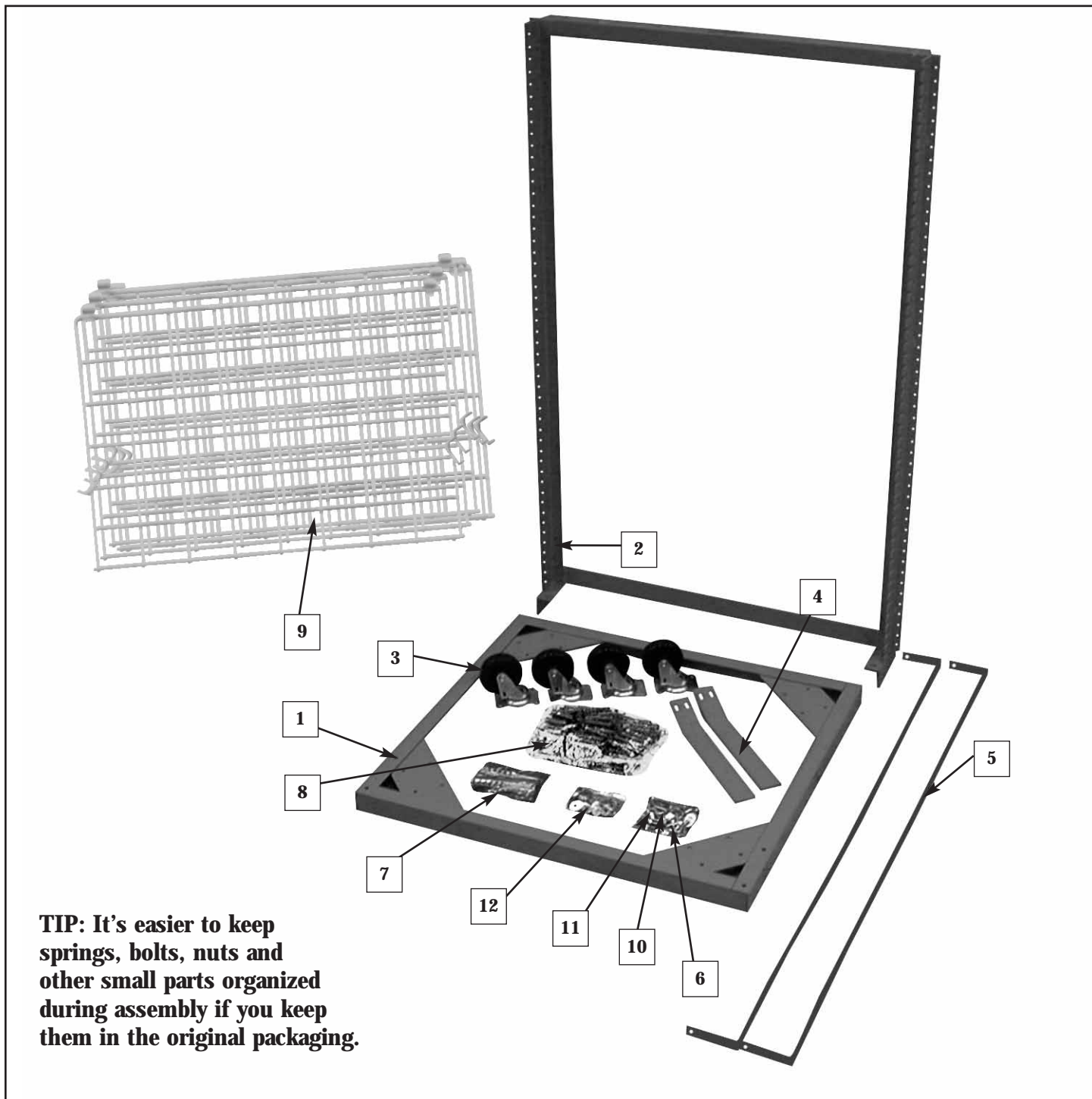


Figure 1. Components included with drying/storage rack.



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ASSEMBLY INSTRUCTIONS

Separate the various parts in an orderly fashion to help assemble the rack in a timely manner.

INSTALLING CASTERS

Components: 1 base and 4 casters

Parts: 16 bolts, 16 lock washers, and 16 nuts

1. Turn the base upright on its edge.
2. Place the caster at a corner of the base.
3. Align the caster's four holes with the four holes in the base corner.
4. Insert four 5/16" bolts through the aligned holes in the base and caster. Bolt threads should be on the caster side of the base (Figure 2).
5. Attach a locking washer and nut to each bolt. Tighten the bolts, bringing the caster flush to the base (Figure 3).

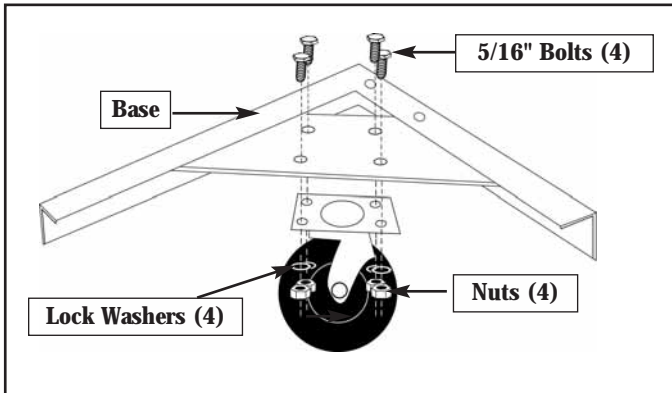


Figure 2. Installing Casters.

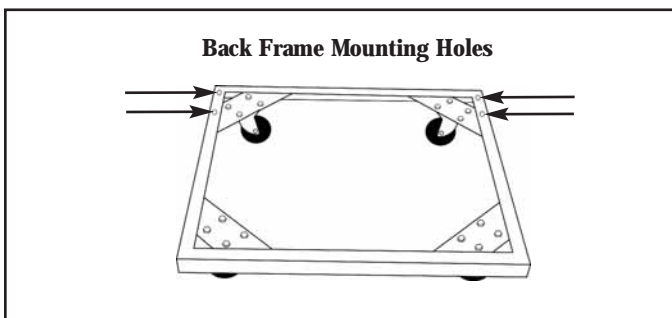


Figure 3. Base/Caster Assembly.

ATTACHING UPRIGHT BACK FRAME TO BASE

Components: Base and back frame

Parts: 4 bolts, 6 spacing washers

1. Lay the base on the floor, casters down. Hold the base still.
2. Stand the back frame upright on the base. Align the mounting holes.
3. Join at the front mounting hole:
 - a. Tilt the back frame slightly toward the rear. Slide one (1) flat spacing washer between the bottom flange of the back frame and the top of the base and align the three holes (base, frame, and washer) (Figure 4).
 - b. Insert a bolt through this three-hole combination.
 - c. Reach under the base and loosely turn a nut onto the bolt.
 - d. Repeat the process on the other side.
4. Join at the rear mounting hole:
 - a. Tilt the back frame slightly toward the front. Slide two (2) flat spacing washers between the bottom flange of the back frame and the top of the base. Realign the four (4) holes (base, frame, and washers) (Figure 4).
 - b. Insert a bolt through this four-hole combination.
 - c. Reach under the base and loosely turn a nut onto the bolt.
 - d. Repeat the process on the other side.

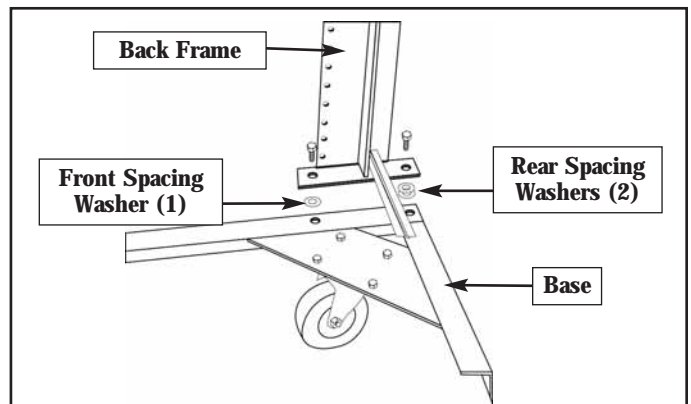


Figure 4. Installing the Back Frame.



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5. Secure the back frame:
 - a. Tighten all four bolts securely.
 - b. Check to make sure the back frame is square to the base. If it is not square, loosen nuts and add or remove spacing washers as necessary. Retighten nuts and recheck alignment to confirm that the back frame is square to the base.

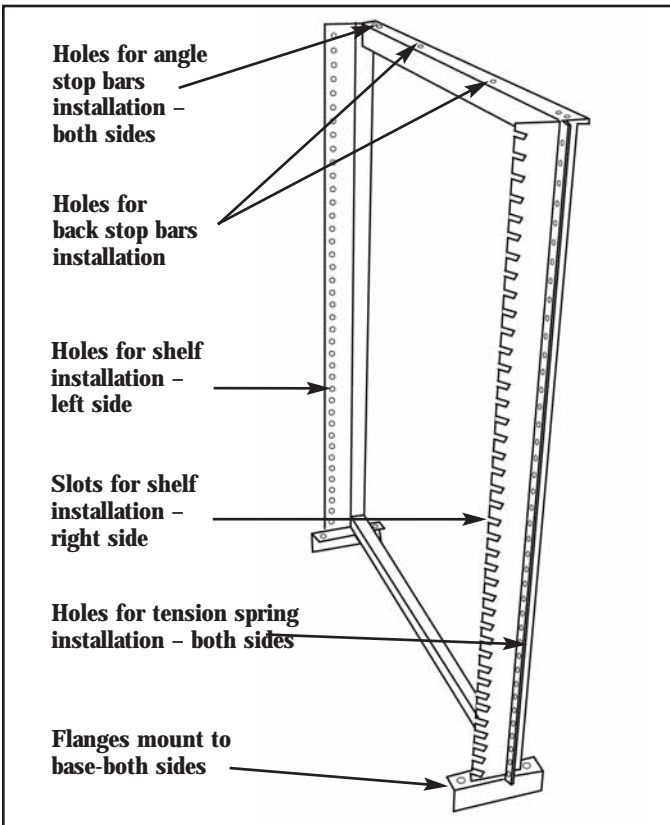


Figure 5. Back Frame features.

Attach the center brace (only applies to larger models: DR-50-50, DR-55-50, DR-68-50 & DR-80-50)

Components: Center brace

Parts: 3 bolts and 3 nuts

1. Place center brace vertically on the rear of the back frame in the center (Figure 6).
2. Align three holes in brace with holes in center of back frame.
3. Insert bolts inward through holes and secure with nuts.

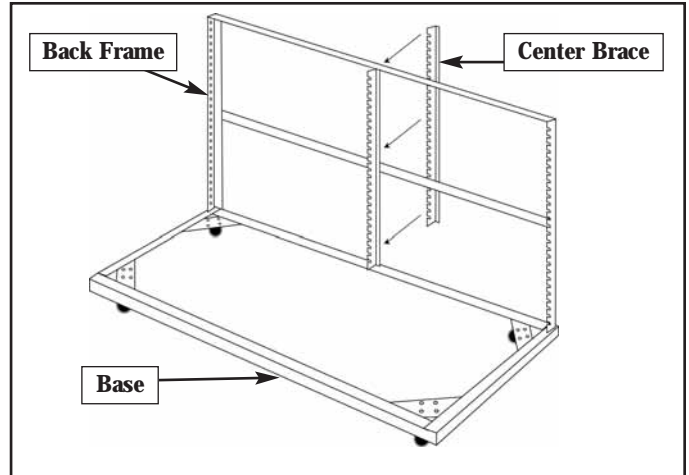


Figure 6. Attaching the Center Brace.

INSTALLING SHELVES

Components: Shelves

Parts: Rack hooks, springs, extension arms and spacing washers

For proper installation, begin at the bottom front of unit. Install each shelf complete with springs and extension arms. Then install the shelf above it, moving up one shelf at a time.

The Mounting Axle:

The mounting axle is on the back of the shelf and extends beyond the sides of the shelf (Figure 7, page 6).

To attach a shelf:

1. Place a spacing washer on each axle extension (Figure 7, page 6).

Note: The washers on the axle extensions are provided to allow smooth shelf action, but are not always necessary. Shelves should fit between frames with a minimum of excess space, but not tight enough to cause “bowing” of the shelf. If bowing occurs, remove one or both washers.

2. Insert the axle into the hole provided on the left side of the back frame (Figure 5). The spacing washers must rest against the inside face of the back frame.
3. Insert the other end of the axle into the slot on the right side of the back frame (Figure 5).



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Make sure the top side of the shelf is up; the left, right and front frame rods should be on the bottom (Figure 7).

- On each side of the shelf, hook one end of a spring to the hole in the back frame and the other end of the spring to the single hole in the end of an extension arm.

Note: The spring hook that connects to the back frame must point toward the outside of the rack unit to prevent the spring from stretching.

WARNING: Stretching will ruin the spring.

- On each side of the shelf, connect the first hole of the extension arm holes to the angled shelf hook on the outside of the shelf (Figure 8). Be sure to use the same hole on each side so tension is even. For greater tension, use the second or third hole.

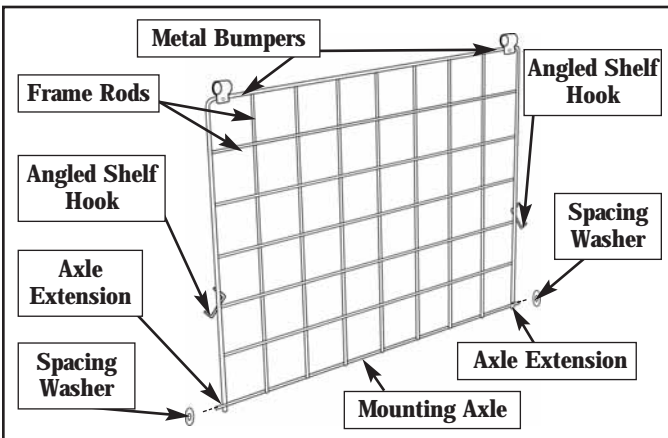


Figure 7. Shelf features.

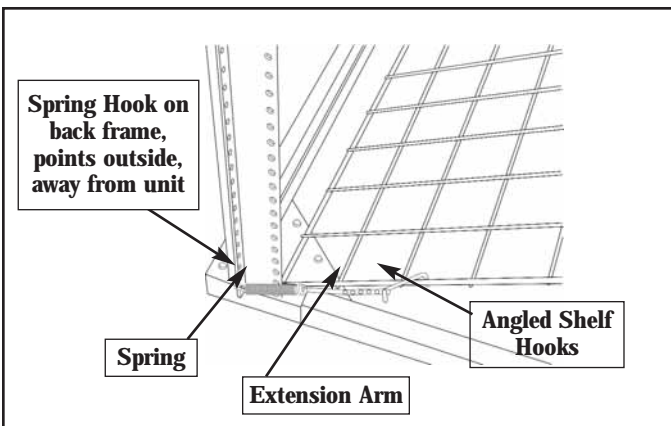


Figure 8. Shelf, Spring & Extension Arm Assembly.

Tip: Raising the shelf to near vertical will make it easier to connect the extension arm to the angled shelf hook.

- After installing the first ten shelves, test the spring action. If correct, the shelf will stay at a 45° angle. If not correct, adjust the springs accordingly.

INSTALLING THE ANGLE STOP AND BACK STOP BARS

Components: 2 angle stop bars, 2 back stop bars
Parts: 4 (5/16") bolts and nuts

Installing the angle stops

- Place one angle stop bar on each side of the rack unit. The mounting holes for the angle stop bars are slotted to allow front-to-rear position adjustment (Figure 9).
- Set both angle stop bars to support the outer frame rods of the shelves and fasten to the frame with 5/16" bolts.

Installing the back stop bars

- Slide down in front of the shelf mounting axes as shown (Figure 9).
- Bolt to the top and bottom of the back frame using 5/16" bolts, washers and nuts.

Your new RACK-IT™ Drying and Storage Rack is now fully assembled.

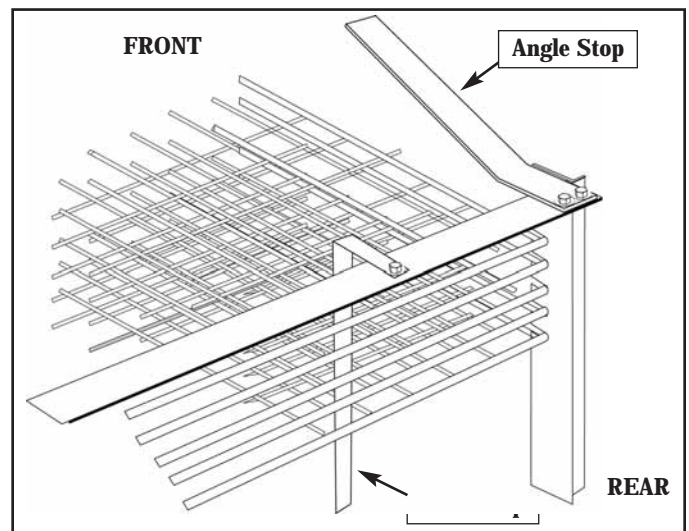


Figure 9. Installing the Angle & Back Stops.



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OPERATION

To prepare the rack for loading, lift all the shelves

upward, starting with the top shelf. Load material on the bottom shelf first. Working upward, pull the next shelf down and load. Continue this step until all the shelves are loaded in the down position.

COMPONENTS AND PARTS FOR EACH SPECIFIC RACK-IT™ MODEL

See Page 2 for the components common to all Rack-It models.

MODEL DR-36-40

Part#	Qty.	Description
RBA-3640	1	Base
RUP-3640	1	Upright
RBS-3640	2	Back Stop Bar
RAS-3640	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-3640	40	26x36" Shelf
Hardware Package:		
RSP-4	80	4" Standard Spring
REA-1	80	5-3/4" extension arm
RSW-516	80	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-36-50

Part#	Qty.	Description
RBA-3650	1	Base
RUP-3650	1	Upright
RBS-3650	2	Back Stop Bar
RAS-3650	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-3650	50	26x36" Shelves
Hardware Package:		
RSP-4	100	4" Standard Spring
REA-1	100	5-3/4" extension arm
RSW-516	100	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-46-40

Part#	Qty.	Description
RBA-4640	1	Base
RUP-4640	1	Upright
RBS-4640	2	Back Stop Bar
RAS-4640	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-4640	40	30x46" Shelves
Hardware Package:		
RSP-4	80	4" Standard Spring
REA-1	80	5-3/4" extension arm
RSW-516	80	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-48-40

Part#	Qty.	Description
RBA-4840	1	Base
RUP-4840	1	Upright
RBS-4840	2	Back Stop Bar
RAS-4840	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-4840	40	31x48" Shelf
Hardware Package:		
RSP-4	80	4" Standard Spring
REA-1	80	5-3/4" extension arm
RSW-516	80	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-48-50

Part#	Qty.	Description
RBA-4850	1	Base
RUP-4850	1	Upright
RBS-4850	2	Back Stop Bar
RAS-4850	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-4840	50	31x48" Shelf
Hardware Package:		
RSP-4	100	4" Standard Spring
REA-1	100	5-3/4" extension arm
RSW-516	100	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-50-50

Part#	Qty.	Description
RBA-5050	1	Base
RUP-5050	1	Upright
RBS-5050	2	Back Stop Bar
RAS-5050	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-5050	50	37x50" Shelf
RCB-5050	1	Center brace
Hardware Package:		
RSP-5	100	5" Standard Spring
REA-1	100	5-3/4" extension arm
RSW-516	100	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-55-50

Part#	Qty.	Description
RBA-5550	1	Base
RUP-5550	1	Upright
RBS-5550	2	Back Stop Bar
RAS-5550	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-5550	50	42x55" Shelf
RCB-5550	1	Center brace
Hardware Package:		
RSP-5	100	5" Standard Spring
REA-1	100	5-3/4" extension arm
RSW-516	100	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-68-50

Part#	Qty.	Description
RBA-6850	1	Base
RUP-6850	1	Upright
RBS-6850	2	Back Stop Bar
RAS-6850	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-6850	50	45x68" Shelf
RCB-6850	1	Center brace
Hardware Package:		
RSP-6	100	6" Standard Spring
REA-2	100	15" extension arm
RSW-516	100	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

MODEL DR-80-50

Part#	Qty.	Description
RBA-8050	1	Base
RUP-8050	1	Upright
RBS-8050	2	Back Stop Bar
RAS-8050	2	Angle Stop Bar
RCA-4	4	Swivel Caster
RSH-8050	50	52x80" Shelf
RCB-8050	1	Center brace
Hardware Package:		
RSP-6	100	6" Standard Spring
REA-2	100	15" extension arm
RSW-516	100	Flat spacing washer
RB-516	32	5/16" Bolt
RLW-516	32	Locking Washer
RN-516	32	5/16" Nut

For Heat-Resistant Models: To determine the part numbers for your Heat-Resistant unit, take the part numbers for your particular model and add "HR" to the end. **Example:** If you have a DR-36-40 unit. Take the part numbers shown above for the regular DR-36-40 and add "HR". The model number for the unit's base ("RBA-3640" in the regular series) now becomes "RBA-3640HR".

Contact your local distributor for information about the entire series of A.W.T. drying and storage racks.



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Limited Warranty

A.W.T. equipment is warranted against defects in workmanship and materials for a period of one (1) year or 2,500 hours running time, annually, from the shipping date of the equipment from A.W.T. World Trade, Chicago, IL 60641. Warranties are not included for any product or machine invoice that remains unpaid according to the Sales Agreement/Quotation conditions.

A.W.T. does not fully cover expendable parts (brushes, filters, pallet coverings, fuses, etc.) for this limited warranty. Some parts may be considered under a prorated warranty.

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. is 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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Chicago, IL 60641 USA**

The air supply to the equipment must be **CLEAN** and **MOISTURE-FREE** air under this warranty. Failure to do so can result in damage or premature failure to air cylinders and air valves, and **will void this warranty**. Unless such precautions are taken, A.W.T. will not take any responsibility for failures due to improper air supply.

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.

*A.W.T. World Trade, Inc.
Management*

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