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VRSOR - ROLL OUT SHELVING UNIT



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 Manuals

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

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SIGNAL WORDS

This manual uses SIGNAL WORDS to indicate the likelihood that a particular action will cause personal injuries or property damage. Signal words also specify the level of seriousness of injury if the product is misused in the ways described. The following signal words are used in this manual.



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.



Identifies a hazardous situation which, if not avoided, COULD result in DEATH or SERIOUS INJURY.



Indicates a hazardous situation which, if not avoided, COULD result in MINOR or MODERATE injury.



Identifies practices likely to result in product/property damage, such as operation that might damage the product.

SAFETY INSTRUCTIONS

Vestil strives to identify all foreseeable hazards associated with the use of its products. Material handling is dangerous and no manual can address every conceivable risk. Ultimately, the most effective way to prevent injury is to apply sound judgment whenever using this device.



- Improper or careless use of this product could result in death or serious personal injuries.
- *Read and understand the entire manual before assembling, installing, using or servicing 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. Unapproved modifications automatically void the **LIMITED WARRANTY** and might make the product unsafe to use.
 - DO NOT exceed the capacity: pounds (kg). Capacity information is provided in on-product labeling. See Label 287 in the **LABELING DIAGRAM** on p. 20.
 - Inspect the product according to the instructions in **INSPECTIONS & MAINTENANCE**. DO NOT use the product unless it is in **SATISFACTORY CONDITION**.
 - DO NOT use this device UNLESS all product labels are readable and undamaged. See **LABELING DIAGRAM**.



- Proper use, maintenance, and storage are essential for this product to function properly.
- Always use this product in accordance with the instructions in this manual and consistent with any training relevant to machines, devices, etc. used in conjunction with this product.
 - Keep the product clean & dry. Lubricate moving parts.
 - FOR HYDRAULIC UNITS: Do not use brake fluid or jack oils in the hydraulic system. If oil is needed, use an anti-wear hydraulic oil with a viscosity grade of 150 SUS at 100°F, (ISO 32 cSt @ 40°C), or Dexron transmission fluid.
 - Contact the manufacturer for SDS documentation.

Tools needed for assembling the Roll-Out Shelving

- 1 - Allen Wrench # 6
- 2 - Crescent wrench # 17
- 3 - Socket # 17 with Ratchet



Step 1: Lay upright on a table as shown in Fig.1 & 2. Assemble base foot on the side where mounting holes measure 1-3/8" from bottom side of the upright as shown in Fig.1

Hardware needed

- (24) M10x25 Hex Head bolts
- (24) M12 flat washers (OD32/ID13.5)
- (12) M10 flat washers #40358
- (24) M10 Lock Washers
- (24) M10 Nuts

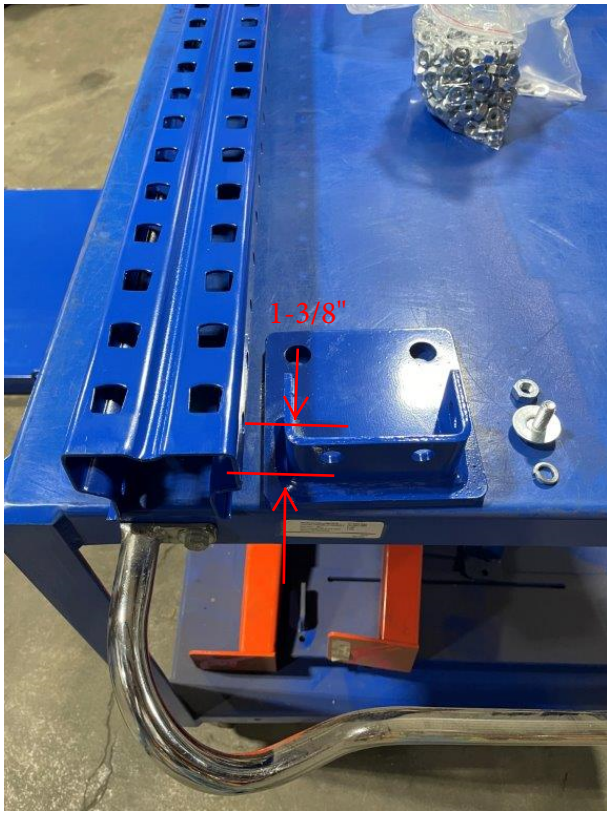


Fig.1



Fig.2

- (4) M12 Flat washers outside and (2) inside as shown below in Fig.3 per upright.
- (2) M10 Flat Washers inside per upright.



Fig.3



Fig.4

Step 2: Assemble the uprights

(3) Cross bars (35" long) per upright set

(2) Cross bars (28¼" long) per upright set

(30) M10x80 Hex Head Bolts per upright set

(30) M10 Flat Washers (40358)

(30) M10 Lock Washers (40384)

(30) M10 nuts (40308)



Fig.5



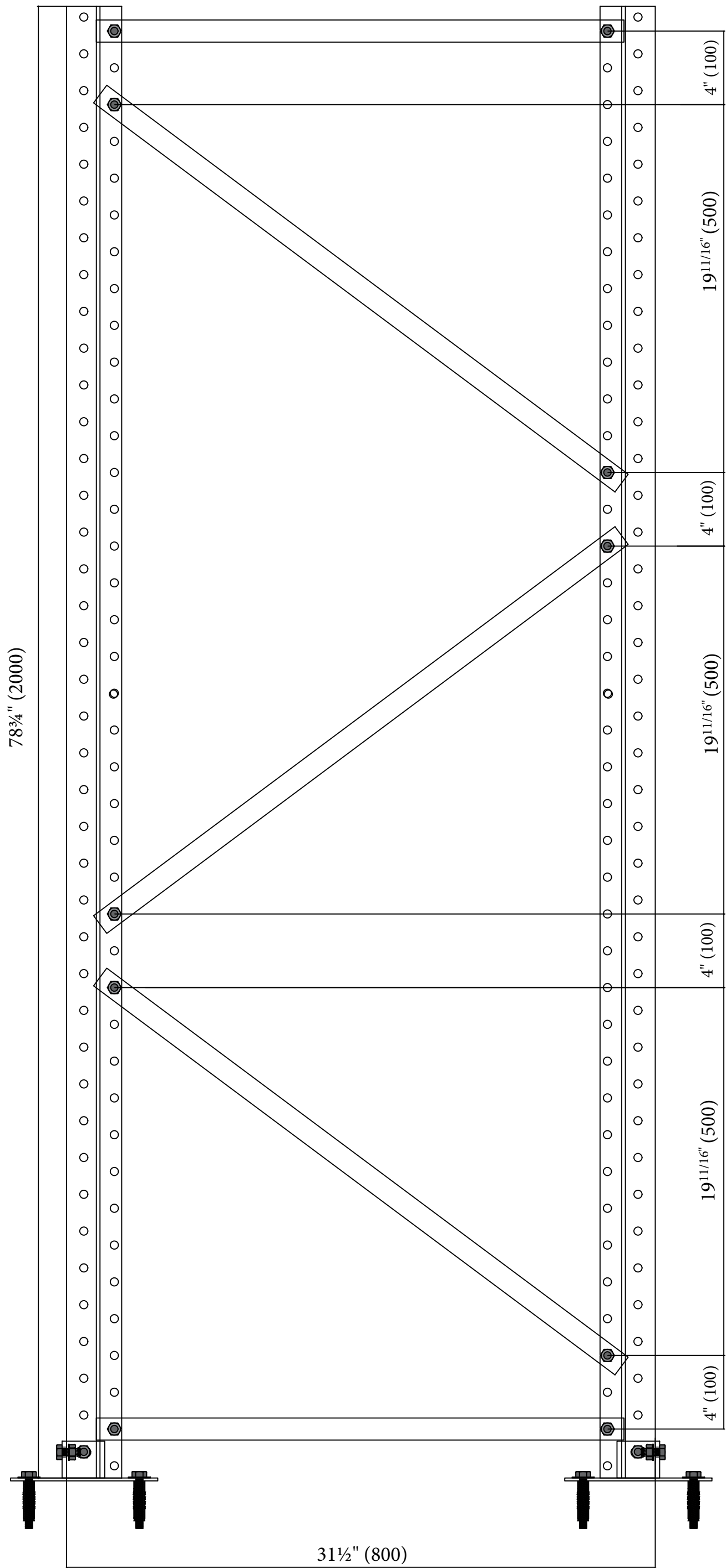
Fig.6



Fig.7



Fig.8



Step 3 (Fig.9 & 10): Assemble cross bar L brackets one at the bottom of upright (4 holes from bottom of the the upright) and one at the top (3 holes from top) as shown in Fig.9 & 10.

(8) L shape brackets per upright

(16) M10x25 Hex head Bolts

(16) M10 FlatWashers (40358))

(16) M10 Lock Washers (40384)

(16) M10 Nuts (40308)



Fig.9

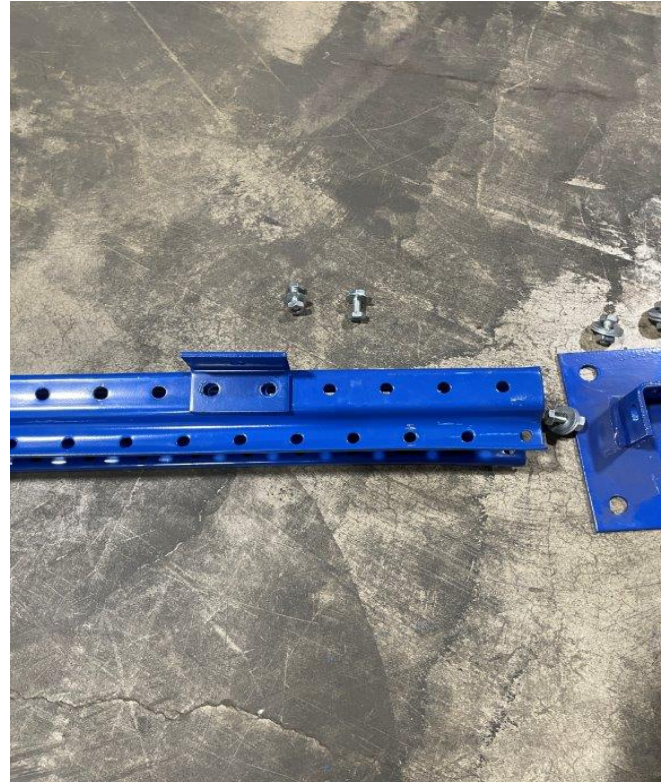


Fig.10

Step 4 (Fig.11 to Fig.16: Assemble Top front/rear beams and bottom front/rear beams. Bottom beams are standard and Top beams are with a step for cross bars and Turn Buckles.

(8) Locking pins (Fig.14)



Fig.11



Fig.12



Fig.13



Fig.14



Fig.15

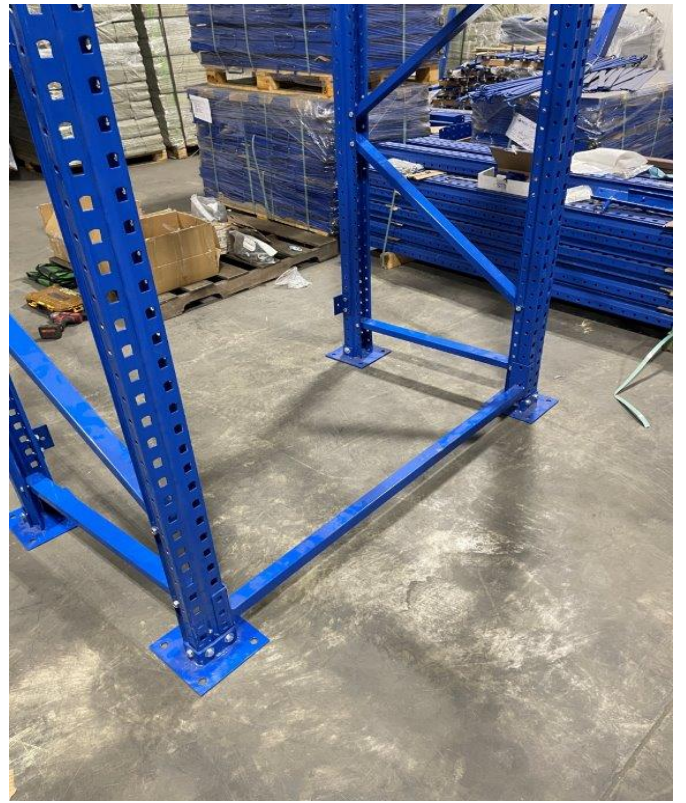


Fig.16

- Step 5: Assembling side rails (Fig.17 to 24)
- 2 Types of side rails (3 left & 3 right)
- (3) Left side rails
- (3) Right side rails
- (12) M10x50 Flat head Counter Sunk Bolts (# 6 Allen key)
- (12) M10x25 Flat head Counter Sunk Bolts (# 6 Allen key)
- (12) M10 Flat Washers (40358)
- (12) M10 Lock Washers (40384)
- (12) M10 Nut (40308)

M10x25 Flat Head Counter sunk bolt (one needed per side rail)



Fig.17



Fig.18

(3) shelf locking pins (one per shelf)



Fig.19

Take bearing off of the side rail before securing side rail to the upright.
Use Flat Head Counter Sunk bolt (#6 Allen key) M10x50 as shown below in Fig.20 to 24.

M10x50 Flat head counter sunk bolt (one needed per roller bracket)

Secure one side of side rail to upright with M10x25 Flat head counter sunk bolt and other side with roller bolt M10x50 as shown below in Fig.21, 22, 23 & 24.



Fig.20



Fig.21



Fig.22



Fig.23



Fig.24

Step 6: Install Shelf Locking pin as shown below in Fig.25 and secure it with (2) M6x15 Hex Head bolts and (2) M6 nuts.



Fig.25

Step 7: Loosen the Side rail M10 bolts as shown below in Fig 26 & 27



Fig.26



Fig.27

Step 8: Installing Rear Cross bars (Fig.32 to Fig.31)

(4) Cross Bars

(4) 4 Turn Buckles

(4) M10x25 Hex Head Bolts (Turn Buckle)

(4) M12 Flat Washers (OD32/ID13)

(4) M10 Flat Washers (40358)

(4) M10 Lock Washer (40384)

(4) M10 Nut (40308)



Fig.28

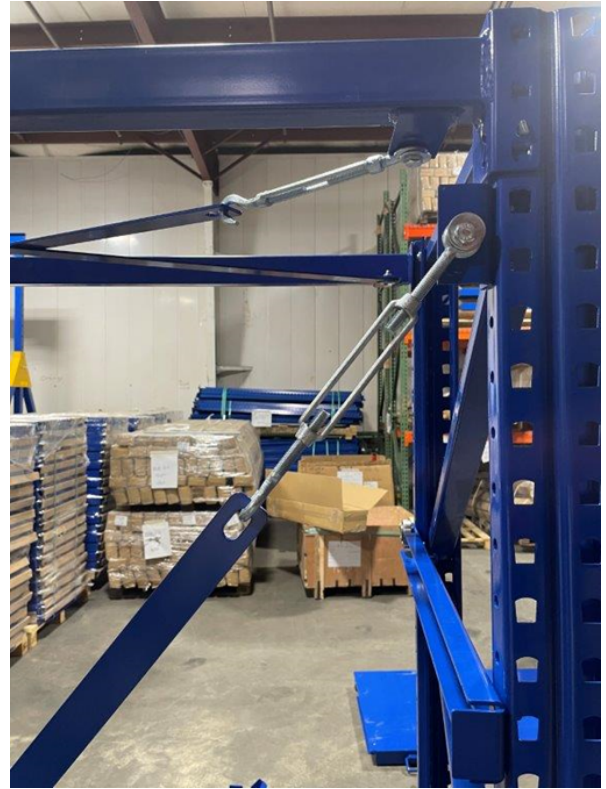


Fig.29



Fig.30



Fig.31

Step 9: Assemblig top cross bars and Top panels (Fig.32 & 33)

(4) Cross Flat Bars

(4) Turn Buckles

(8) Wide panels (9¾" width)

(4) Narrow Panels (5⁷/₈" width)

(8) M10x25 Hex Head Bolts

(8) M10 Flat Washer (OD32/ID13)

(8) M10 Flat Washer (40358)

(8) M10 Lock Washers (40384)

(8) M10 Nuts (40308)



Fig.32



Fig.33

Step 10: Install Shelf on the tracks as shown below in Fig.34 to 36. Installation video is available upon request.



Fig.34



Fig.35



Fig.36

Installing shelf on the track is a 2 person job as shown below in Fig.37



Fig.37

Step 11: Tighten M10 Hex Head Bolt on both the roller tracks once shelf is fully on the tracks as shown below in Fig. 38 & 39.



Fig.38



Fig.39

Step 11: Adjust the turn buckles when unit is fully assembled and all the shelves are installed.
Back cross bars length should be 78"
Top cross bars length should be 53"



Fig.40



Fig.41

Final assembled unit VRSOR-60



Fig.42



Fig.43

PARTS AND HARDWARE LIST – VRSOR-120

PARTS

- (6) BASE FEET
- (6) UPRIGHTS
- (6) SHELVES (FULLY ASSEMBLED)
- (12) SIDE ROLLER BRACKETS (6 LEFT/6 RIGHT) WITH LOCKING PINS (Lockin Pins need to be assembled prior to installing the Roller brackets on the upright racks) & Stop Bolts (M10x25 Hex Head Bolt one/bracket)
- (6) CROSS BARS FOR UPRIGHTS – 28” LENGTH
- (9) CROSS BARS FOR UPRIGHTS – 35” LENGTH
- (8) TURN BUCKLES
- (4) REAR CROSS BARS
- (4) TOP FLAT BARS
- (8) L SHAPE BRACKETS FOR REAR CROSS BARS AND TURN BUCKLES
- (8) LARGE TOP PANELS (SIZE: 9¾” WIDE)
- (4) SMALL TOP PANELS (SIZE: 5⁷/₈” WIDE)
- (4) TOP BEAMS
- (4) BOTTOM BEAMS

HARDWARE LIST (VRSOR-120)

UPRIGHT CROSS BARS

- (30) M10x70 Hex Head Bolts # 0121827
- (30) M10 Flat Washer (OD20/ID10) # 40358
- (30) M10 Lock Washer # 40384
- (30) M10 Nut # 40308

UPRIGHT BASE FEET

- (24) M10x25 Hex Head Bolts
- (24) M12 Flat Washer (OD32/ID13) # 38405
- (24) M10 Flat Washer (OD20/ID10) # 40358
- (24) M10 Lock Washer # 40384
- (24) M10 Nuts # 40308

FRONT/REAR BEAMS

- (16) TOP/BOTTOM BEAMS LOCKING L SHAPE PINS

SIDE RAILS

(12) M10x50 (Flat Head Counter Sunk Bolts # 6 Allen key) – Side rails to assemble to uprights

(12) M10x25 (Flat Head Counter Sunk Bolts # 6 Allen key) – Side rails to assemble to uprights

(24) M10 Flat Washers # 40358

(24) M10 Lock Washers # 40384

(24) M10 nuts # 40308

L BRACKETS

(16) M10x25 Hex head bolts

(16) M10 Flat Washers # 40358

(16) M10 Lock Washers # 40384

(16) M10 Nuts # 40308

TOP FLAT BARS (CROSS BARS with TURN BUCKLES)

(8) M10x25 Hex Head Bolts

(8) M12 Flat Washers (OD32/ID13)

(8) M10 Flat Washers # 40358

(8) M10 Lock Washers # 40384

(8) M10 Nuts # 40308

BACK FLAT BARS (CROSS BARS with TURN BUCKLES)

(8) M10x25 Hex Head Bolts

(8) M12 Flat Washers (OD32/ID13)

(8) M10 Flat Washers # 40358

(8) M10 Lock Washers # 40384

(8) M10 Nuts # 40308

Total Hardware needed for VRSOR-120

(30) M10x70 Hex Head Bolts # 0121827 (Fastenal.com)

(56) M10x25 HH Bolt # 38655

(12) M10x50 FH CS Bolt # 1139978

(12) M10x25 FH CS Bolt # 1139983

(110) M10 FW # 40358

(40) M12 FW (OD32/ID13) # 38405 (Fastenal.com)

(110) M10 Lock Washers # 40384 (Fastenal.com)

(110) M10 Nuts # 40308 (Fastenal.com)

(16) Pins

(6) Roll-Out Shelf Locking Pins

Total Hardware needed for VRSOR-60

(20) M10x70 Hex Head Bolts # 0121827 (Fastenal.com)

(32) M10x25 HH Bolt # 38655

(6) M10x50 FH CS Bolt # 1139978

(6) M10x25 FH CS Bolt # 1139983

(64) M10 FW # 40358

(24) M12 FW (OD32/ID13) # 38405 (Fastenal.com)

(64) M10 Lock Washers # 40384 (Fastenal.com)

(64) M10 Nuts # 40308 (Fastenal.com)

(8) Pins

(3) Roll Out Shelf Locking Pins