

WOOD-BACKED U-SHAPED & FLAT DUGOUT RAIL PADS



*Photo courtesy of Profile Products and Middle Tennessee State University Baseball

MEASURING & INSTALLATION INSTRUCTIONS

How to Measure your Dugout Rails

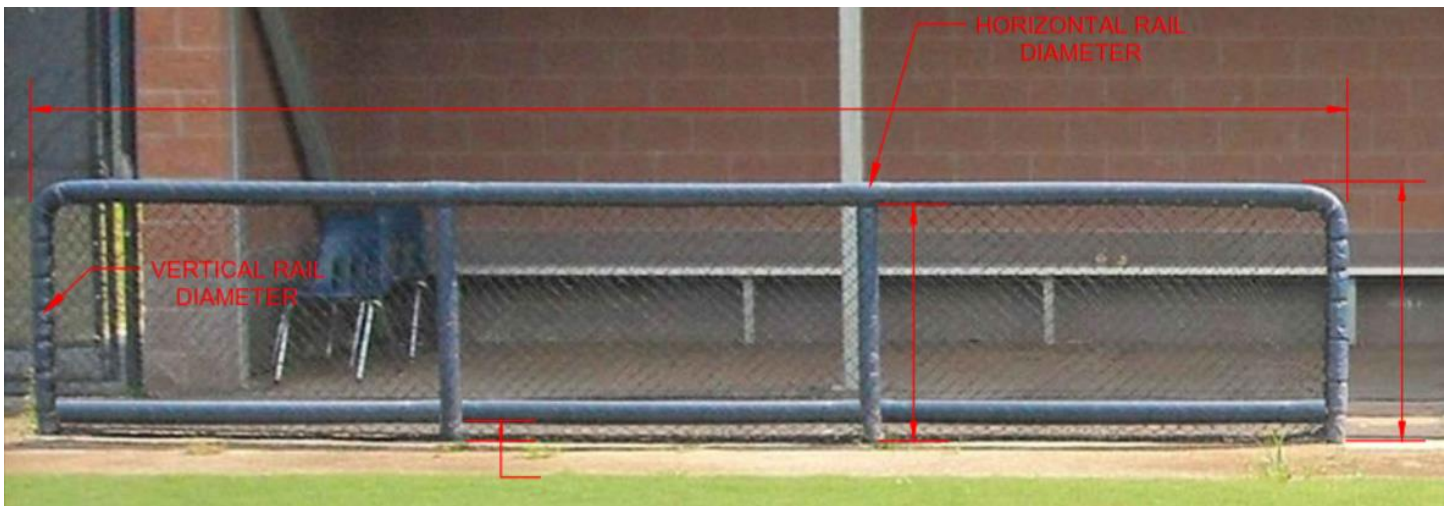
Dugout rails come in a number of styles, configurations, heights, lengths and rail diameters. Proper measurements equal proper fittings, which in turn equals a professional appearance that is sure to enhance the look of your facility.

Measuring your facility's dugout rails is actually a pretty easy project. Prior to starting, you'll need the following tools:

- Measuring tape. 100'+ in length is preferable.
- A pencil or pen to document the measurements.
- Dugout rail diagram. If a diagram is not available, a hand drawn or printed photo of one will help you keep things straight.
- Camera phone.

With your tools in hand and the step-by-step process below, you're ready to begin measuring.

1. If there are old pads on the rails, these need to be removed for accurate measurements. If the rails are bare, you're good to begin measuring.
2. Start with your outside rail heights. For the most part, your rail heights will remain relatively the same throughout. However, measure them all anyway. Wood-backed pads are an exact fit. If you guesstimate, you're going to have problems at installation. Measure the rail from the ground to the top of the upper horizontal rail. Note these measurements on your drawing.
3. Your next measurement will be the length of the upper horizontal rail. If the rail is squared, you can measure the top of the rail, outside edge to outside edge. If the rail is curved, like the image below, you'll want to measure the outside edge of the left outside vertical to the right edge of the right outside vertical. Note this measurement on your drawing.



4. The 3rd measurement will be the inside vertical rails. These rails should be measured from the ground to the bottom of the upper horizontal. Again, write these on your drawing.
5. If your dugout rails have a lower horizontal, measure and note the distances from the ground to the bottom of and top of this lower horizontal rail.
6. Your last measurements will be that of the rail's diameter(s). Pay close attention to these measurements. There are times where your outside verticals have a larger diameter than the upper horizontal. The upper rail diameter is technically already given. It's the difference between (2) of your measurements; the outside vertical rail height and inside vertical rail height. The difference between measurements 1 and 3. If you measure the distance from the inside of the left outside vertical rail to the inside of the right outside vertical rail, you can subtract this measurement and that of measurement #2. As a back-up, measure the poles like you see below. Write these measurements down as well.
7. Repeat this procedure for each rail, making note of which rail your working on- i.e. 1st base line dugout, left rail. 3rd base line, right rail.

Some rails will have extensions protruding off the back of the rails, going into the dugout. In situations like these, it's best to take pictures, draw the layout and submit it to Aer-Flo for review. We may be able give you a tentative drawing that you can "fill in the gaps".

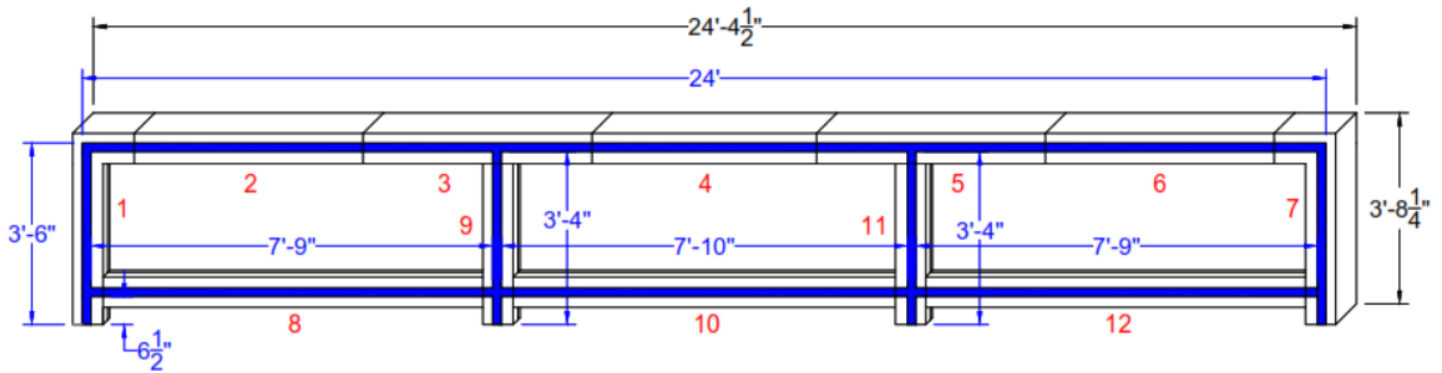
REMEMBER... DON'T "GUESSTIMATE". WHEN IN DOUBT, ASK FOR HELP.

Submitting your Measurements and Drawings

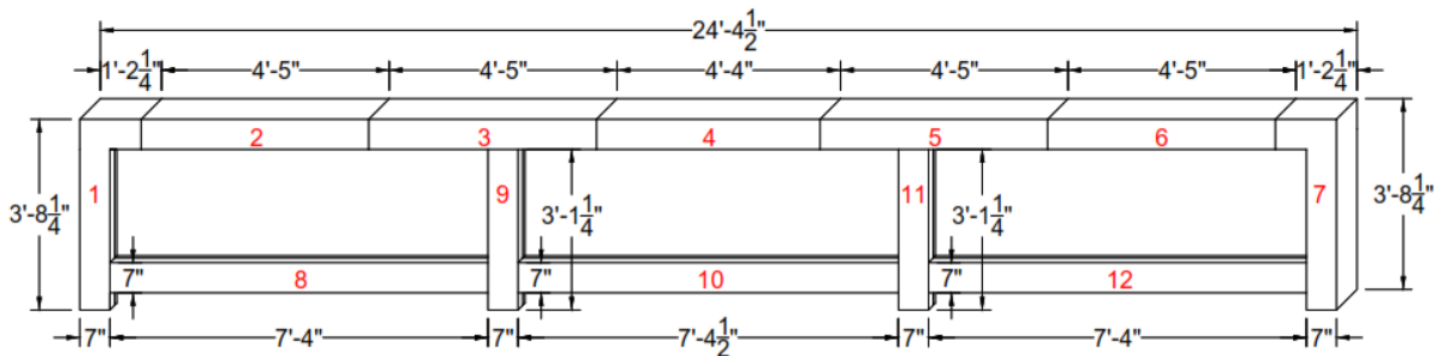
Once you have your drawings and measurements, send them to Aer-Flo for quoting and CAD drawings. If, for example, the above rail image and the following dimensions were submitted, we'd send the (2) drawings below back to you for review.

- Outside vertical rail height: 3'6"
- Upper horizontal rail length: 24'
- Inside vertical rail height: 3'4"
- Lower horizontal, ground to bottom of rail: 6.5". Lower horizontal, ground to top of rail: 8.5"
- Diameter of pole(s): 2"

Drawing 1- This representation shows you your submitted measurements, with the rail layout (in blue), The measurements of the finished rail pad system (in black) and the pad layout with their respective pad number (in red).



Drawing 2- This representation shows the finished rail pad system with the dimensions of the system as a whole, and dimensions for the individual pads (both in black) and the pad numbers (in red). These drawings are important because they'll be needed later for installation. Your pads will be delivered with these same numbers, making installation that much easier.



How to Install your Dugout Rail Pads

Proper installation of the rail pads is the second thing in guaranteeing that enhanced, professional look. Follow these instructions to help you with the install.

1. Off load your pads and place them on the ground in front of their respective dugout. As mentioned previously, your pads will be labeled based on the CAD drawing supplied by Aer-Flo. Use the drawing and this number system to accurately place the pads in the order that they'll be placed on the rails.
2. For illustration purposes, we'll use the above layout as part of these instructions. Start by placing the first end vertical pad, pad #1 on the rail. Don't lock the pad in place just yet. It's best to position pads 2-6 and the opposite end pad, #7, before locking the pads in place. This allows you to make sure everything fits properly.
3. Position pads 2-6 and the end piece, #7 into their respective places.
4. With the outside vertical rails and upper horizontal rail now covered, go back to pad #1 and lock this pad into place using the supplied XXXX hardware. Don't fully tighten down this pad. Before doing so, attach pad #2 to pad #1 using XXXX hardware. Once these two pads are connected, using the "L" tighten down pad #1 using the "L" bracket.
5. Next you'll connect pad #3 to #2 and then repeat the process for pads #4, 5 and 6. Again, the connection will be made using the XXXX hardware and be connected on the inside of the "U". Not the bottom of the pad.
6. Complete the outer rail padding by attaching pad #7 to pad #6 using XXXX hardware. Follow this connection up by attaching pad #7 and the vertical rail using XXXX hardware.

7. With the outside rail pads installed, you can now start on the lower and inner rails. Start by placing pad #8 against the lower horizontal rail and attaching it to the rail using XXXX hardware. After, attach pad #1 to pad #8 using XXXX hardware.
8. Now, attach pad #9 to the rail then pad #9 to pad #8. Repeat this process for pad numbers 10, 11 & 12. Once pad #12 is secured to the rail and pad #11, attach it to the outer vertical, pad #7. All connections for pad to rail will use XXXX hardware. All connections for pad to pad will use XXXX hardware.
9. This completes the first rail. Repeat the steps above on the remaining rails.

How to Properly Care for your new Dugout Rail Pads

Maintenance of your rail pads is extremely important for the longevity of the pads. Why invest in a professional looking rail pad system and not take the steps to ensure that your pads keep that new, professional look for years to come? The following care steps are a couple things that will keep your pads looking fresh and clean.

1. Hose off and wipe off pads periodically with clean cloth towels.
2. Repair any cuts or tears promptly using Tear-Aid. Available through Aer-Flo or their dealer.

NEED PICTURES OF INSTALL AND HARDWARE



800-823-7356
AerFloSports.com

WOOD-BACKED U-SHAPED & FLAT DUGOUT RAIL PAD SPECIFICATIONS SHEET

Fabrication & Construction-

Wood-Backing: ¾" BC Grade Exterior Plywood

Vinyl Covering: 18oz./sq. yd. fully coated vinyl.

Scrim: 1000d x 1300D polyester

Tongue Tear Strength (FS-191-5134): 100 lbs. x 100 lbs.

Grab Tensile Strength (FS-191-5100): 410 lbs. x 410 lbs.

Weft Insertion: 18 x 17

Cold Crack (FS-191-5874): -40 degrees F

UV Resistance (Weather-O-Meter): No excessive fading after 300 hours

Thread (where needed): High heat bonded polyester with UV inhibitors built into yarn.

Vinyl is wrapped fully around foam and plywood to fully cover front, back and all edges. Vinyl wrapping is fastened on the inside and the backside using stainless steel staples.

Available Colors:



Imprinting Available: Yes, using Chroma-Bond® Digital Imprinting with SpotLight® Clear-Coat Finish

Filler Foam: 1-3/8" thick crosslink polyethylene foam.

Adhesive: Synthetic resin based. Demonstrating high flexibility, excellent water and heat/cold resistance and superior bonding factor.

Rail Attachment: 1/8" x 1-1/2" x 6" aluminum flat bar, 2" x 2" zinc plated "L" bracket, 2" zinc plated EMY strap, #10 x 1 zinc plated hex screw and ¼" zinc plated washer.

Warranty: 2-Year Prorated Warranty (following page)

WOOD-BACKED DUGOUT RAIL PAD WARRANTY

AER-FLO, INC. (Aer-Flo) warrants its wood-backed rail pads to be free of defects in materials and workmanship under normal use and service for a period of 2 years.

Units determined by Aer-Flo to be defective under this warranty shall be replaced for a replacement cost calculated by the following formula:

The number of months since the original shipment date is divided by the number of months within the wood-backed rail pad warranty (i.e. 2 year warranty = 24 months); the result is multiplied by the then current suggested resale price for the unit. The replacement cost does not include the cost of shipping and any taxes.

Warranty claims must be submitted directly to Aer-Flo and include photos that clearly show the area(s) of claimed failure. Aer-Flo may require all or part of the unit to be returned for testing.

REPLACEMENT IS THE ONLY REMEDY AVAILABLE UNDER THIS WARRANTY. The replacement unit carries no further expressed or implied warranty.

Specifically excluded from this warranty are (1) labor and installation and (2) imprinting and (3) damage due to any act of Mother Nature and (4) damage to negligent or abusive use or normal wear and tear, including, but not limited to, those items on Schedule A (following). Negligent, abusive, and other improper use of windscreen unit voids this warranty.

IN NO EVENT SHALL AER-FLO BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, FOR LOSS OF PRODUCT OR TIME, OR FOR ANY DELAY IN PERFORMANCE UNDER THIS WARRANTY. AER-FLO MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY. THIS WARRANTY SUPERCEDES AND/OR REPLACES ANY PRIOR WARRANTIES, IF ANY, ON SAME PRODUCTS.

The validity, construction and enforcement of, and the remedies under, this limited warranty shall be governed by the laws of the State of Florida. Jurisdiction and venue shall properly lie exclusively in the Twelfth Judicial Court of the State of Florida, in and for Manatee County, Florida, or in the United States District Circuit Court for the Middle District of Florida, with respect to any legal proceedings arising from this limited, prorated warranty or use of the unit.

> Written claim plus photos and/or specimens should be sent to: Aer-Flo, Inc. • 4455 18th St. East • Bradenton, FL 35203
> Digital claim and photos should be e-mailed to: customerservice@aerflo.com

SCHEDULE A

Following are descriptions of typical situations where this warranty does not apply. Exclusion is not limited to these situations.

EXAMPLES OF NORMAL WEAR AND TEAR: Accumulation of dirt or other substances on surface; Normal discoloration due to atmospheric exposure; Deterioration of surface imprinting.

EXAMPLES OF NEGLIGENT OR ABUSIVE USE: Cuts, punctures, abrasions, or scores; Threads cut, stretched, or burst; Burns, scorches, melted areas; Damage from exposure to excessive heat; Improper handling, such as dragging over damaging materials; Damage from improper attachment to rails or using improper attachment devices; Exposure to chemicals such as solvents, petrochemicals, paints, acids, alkaline materials, or other substances which damage vinyl.

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