

ITEM # DSM2440

24" - 40" Magnesium Drywall Stilts



READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT.

This manual provides important information on proper operation & maintenance. Every effort has been made to ensure the accuracy of this manual. These instructions are not meant to cover every possible condition and situation that may occur. **We reserve the right to change this product at any time without prior notice.**

**IF THERE IS ANY QUESTION ABOUT A CONDITION BEING SAFE OR UNSAFE,
DO NOT OPERATE THIS PRODUCT!**

Questions? Problems? Call Customer Service!

If you experience a problem, have questions or need parts for this product, call Customer Service at 1-636-532-9888, Monday-Friday, 8 AM - 4 PM Central Time. A copy of the sales receipt is required.

FOR CONSUMER USE ONLY – NOT FOR PROFESSIONAL USE.

KEEP THIS MANUAL, SALES RECEIPT & APPLICABLE WARRANTY FOR FUTURE REFERENCE.



To register your product warranty, please visit buffalotools.com or scan the QR code.

ATTENTION!

DO NOT EXCEED LOAD LIMIT 225 LB

ASSEMBLY, INSPECTION AND MAINTENANCE MUST BE CARRIED OUT PROPERLY.
THIS IS CRUCIAL TO PRODUCT SAFETY.

IT IS YOUR RESPONSIBILITY TO READ THE INSTRUCTIONS AND
GUIDELINES DETAILED WITHIN.

IT IS YOUR RESPONSIBILITY TO USE STILTS THAT ARE WELL
MAINTAINED. INSIST ON A CLEAN, CLEAR WORK AREA.

THIS IS NOT A TOY. THIS SHOULD NOT BE USED BY CHILDREN.

CHECK THAT ALL BOLTS ARE TIGHT BEFORE USE.

FOLLOW THESE IMPORTANT GUIDELINES BEFORE ASSEMBLY OR USE

Inspect stilts thoroughly before use, making sure that construction is free from damage and hazards, that there is no excessive wear at the connection points, and that all bolts are tight.

Special attention should be given to the entire strut tube assemblies and wing.

Walk only on level, hard surfaces.

Use caution when working around low profile furniture, fixtures, pipes, etc.

Fasten upper leg strap when putting on stilts. Disconnect upper leg straps when removing stilts.

Replace any damaged or excessively worn stilt components before use.

Remove stilts to adjust them unless assisted by another person.

Remove stilts when moving up and down stairs.

Cover any floor openings.

Get help when retrieving objects from the floor. If no one is around, remove stilts completely before retrieving objects from floor.

Keep all straps tightly fastened and secured.

Take short steps, making sure the stilts are raised well clear of the floor.

Walk forward only, making a "U" turn to change direction.

DO NOT wear stilts without having the proper instruction.

DO NOT wear stilts that are uncomfortable or not adjusted properly.

DO NOT wear stilts without having first inspected them for obvious hazards.

DO NOT wear stilts that have clearly been misused damaged or modified.

DO NOT walk on slippery surfaces.

DO NOT work around uncovered floor openings, stairwells, etc.

DO NOT work in or around loose items e.g. wires, cords, material, etc.

DO NOT carry over 250 lbs while walking on stilts.

DO NOT run or walk fast on stilts.

DO NOT pick up objects which are lower than foot level.

DO NOT wear stilts that are taller than necessary.

DO NOT lean over desks, files, boxes, or other objects while on stilts.

DO NOT be irresponsible on stilts.

DO NOT take steps so large that the action springs fall out.

DO NOT modify this product in anyway.

DO NOT wear stilts while under the influence of drugs or alcohol.

DO NOT walk on secondary scaffolding, benches, planks etc.

ASSEMBLY INSTRUCTIONS

Strut Tubes

1. Loosen tube clamps. Insert lower strut tubes up through the bottom of the tube clamps. Leave tube clamps whilst you prepare the other parts.
2. Attach lower strut tubes to the safety-lock bracket with the attached 1/4 x 1 1/2" cap screw & nylon lock nut. Tighten when assembly is complete.
3. Slide the upper strut tubes down over the lower strut tubes and through the tube clamps. Position so the leg bands are just above the large portion of the leg calves.
Note: Do not bend the leg bands.
4. Evenly tighten the tube clamps to prevent the upper strut tube from rotating when used. Over tightening the tubes could permanently deform them and require their replacement.
5. (A) - Position the tube clamps in the clamp bracket slots, according to your calf size, so the stilts will stand straight when mounted, then tighten (B).
6. Attach the heel brackets to the footplates using the # 10 x 1/2 Phillips machine screws and nuts. Adjust heel bracket so the outside ankle bone is directly over the rear pivot bolt.



Strap Kit

1. Position the toe (short) and arch (long) straps on the footplates with the fasteners on the same side as the strut tube.
2. Feed the ends of both straps over and through the Safety Anchor Slot System and secure the straps with the strap plate & screws provided.
3. Set spring adjusters to minimum compression. Set adjustable stilt legs to the lowest setting and tighten wing bolts.
4. Check all the components you have assembled. Reposition the tube clamps and leg bands until you feel totally comfortable. You should stand straight on your stilts so the stilts don't pull in or out.



Height Adjustment

When adjusting the heights of the stilts remove wing bolts. Once removed evenly raise the stilt legs to the desired height. Once height is achieved re-align the wing bolt holes in legs and extension tubes replace the bolts and tighten well. Be sure not to over-tighten.



MAINTENANCE

Lubrication

In order to keep your stilts operating freely, it is necessary to keep the components reasonably clean and free of dents or burrs.

Lubricate these moving components lightly with a silicone spray or white graphite powder. Do not use lubricating products which remain wet and attract grit or any type of chemical cleaner. Make certain soles are kept free of lubricants which could cause loss of traction.

Replacement Nylon Sleeves

Remove wing bolts and remove the upper foot plate (together with the extension tubes and floor plate). Pry the small sleeves from the extension tube upper ends, and remove. The large sleeves can now be removed. To reassemble, check extension tube holes for burrs, file smooth. Slide new large sleeves down over the extension tubes until the large sleeve tabs are aligned over the detents at the bottom of the extension tubes. Insert new small sleeves over the top of the extension tubes until it snaps past the upper locking tabs of the extension tubes. Carefully insert the extension tube units all the way into the stilt legs until the large sleeve tabs snap and lock into the stilt leg slots. Check stilt operation by adjusting stilts up and down. Replace wing bolts and tighten.

USE GUIDELINES

Walking precautions

IMPORTANT: Always take short, deliberate, distinct steps and walk with your stilts well apart. Large or over-extended steps can cause the action springs to bottom out and place excess stresses on the stilt components. Excess stresses could drastically reduce the life of the stilts or result in component breakage.

Inspect before use

Develop a habit of inspecting your stilts before each days use. Make certain the entire stilts are free of any sign of damage or excessive wear, and that all nuts and bolts are tight. Special attention should be given to the entire strut tube assemblies and wing bolts in this respect. Keep all labels legible.

Strap tightening sequence

Important-When mounting your stilts, always attach leg straps first before feet. When dismounting always unbuckle leg straps last, after unbuckling foot straps.

Select a clear and level area away from doors, floor vents, stairwells, windows, etc. With the help of a colleague, strap on your stilts as noted above.

Stand with your legs comfortably apart, collect your balance...and relax. If needed, re-adjust the strut tubes and clamps until your stilts and legs are straight and comfortable.

Forward/rearward balance

When standing erect, your stilts should be in a neutral and vertical position. If they have a tendency to lean forward or backward, make the following adjustments with the help of a colleague, or after removing your stilts.

If stilts lean forward, loosen the tube clamps and rotate the leg bands and strut tubes toward the rear, and tighten clamps. This adjustment is to insure proper forward and backward balance. If this adjustment requires that the leg bands be rotated to where it is uncomfortable, the mounted shoes should be relocated, or the heel brackets be adjusted in the same direction as the needed rotation. Note: Do not bend or "size" leg bands.

LEARNING TO WALK

IMPORTANT - Remember, in order to develop safe work habits, it is very important that you observe the do's and don'ts as you learn to walk on and work with them.

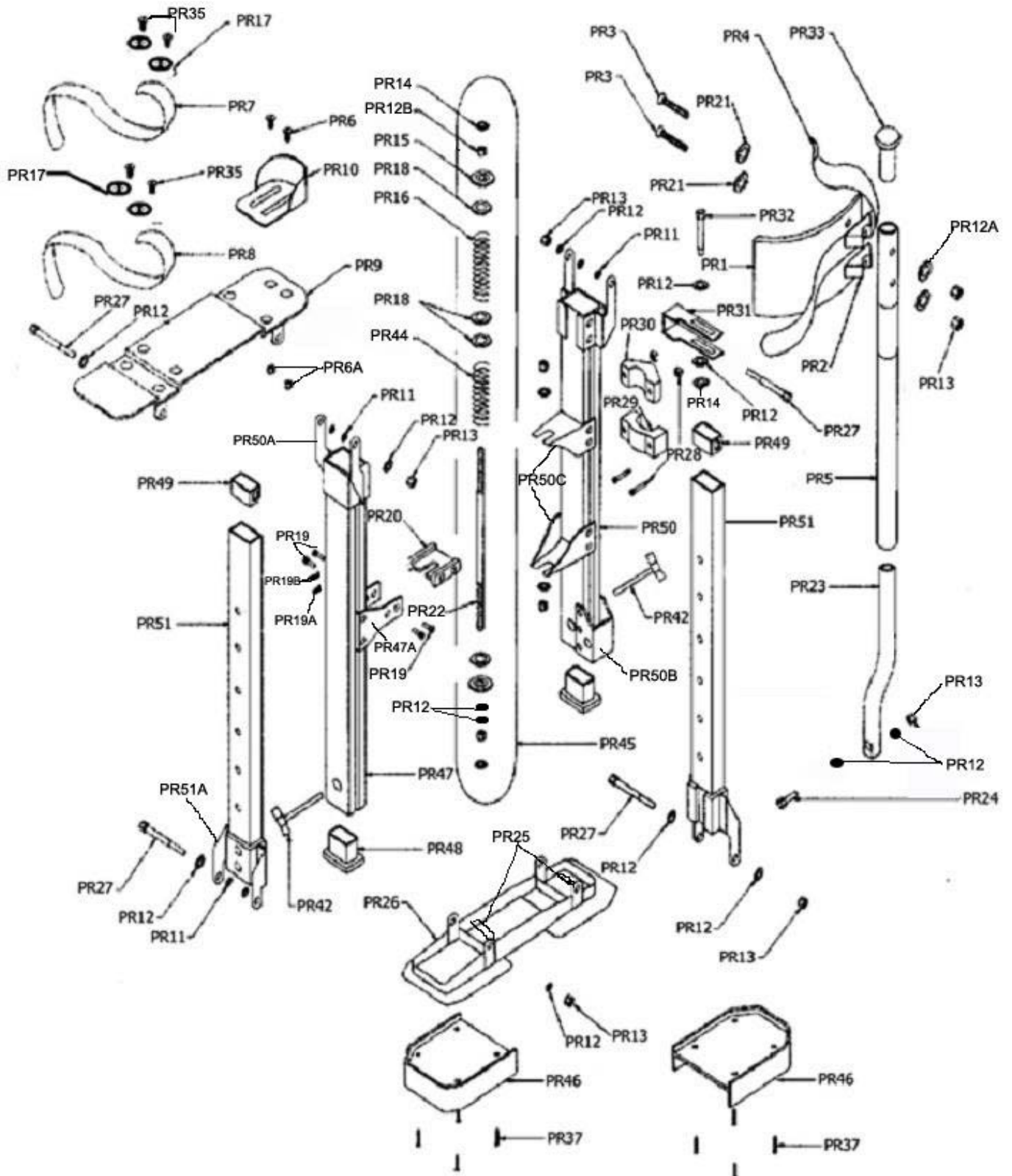
Select a clear and level area (preferably near a wall) but away from doors, floor vents, stairwells, windows, etc. With the help of a colleague, mount your stilts and take slow deliberate short steps while keeping your stilts well apart. Make certain that each step completely clears the floor, as you must never drag or shuffle your feet. While assisted, walk slowly back and forth numerous times making a U-turn to reverse your direction. Repeat walking back and forth until you develop a "feel" for the stilts. Practice walking until you feel secure and are able to walk unassisted.

ADJUSTMENT FOR WALK

If you have a tendency to lean forward or backward while walking, you should adjust the action springs. Make the following adjustments after removing your stilts. To correct for leaning forward while walking, tighten the upper spring adjuster. To correct for leaning backward while walking, tighten the lower spring adjuster.

Never tighten adjusters more than 1/5 of the way down, or approximately 15 turns, as it will limit the stilt action and impose excess stresses on the components.

PARTS DIAGRAM



PARTS LIST

Part No.	Description	Qty.
PR1	Leg band with pads	2
PR2	Leg band spacer	4
PR3	1/4"-20*2"flat bead machine screw with locknut	4
PR4	Adjustable double hook & loop fastening leg strap	2
PR5-15	1/8"upper strut tube (PW1523)	2
PR5-18	1/8"upper strut tube (PW1830)	2
PR5-24	1/8"upper strut tube (PW2440)	2
PR6	Number 10,24*1/2" machine screw with nut	4
PR6A	Lock nut	4
PR7	Loop fastening arch strap	2
PR8	Loop fastening toe strap	2
PR9	Nylon foot plate	2
PR10	Adjustable heal bracket	2
PR11	Leg bearing	16
PR12	1/4" flat washer	21
PR12A	1/4" flat washer-SAE	16
PR12B	1/4" square nut	12
PR13	1/4"-20 lock nut (H5)	12
PR14	1/4"-20 hex nut (H8)	4
PR15	Spring adjuster	4
PR16	Upper coil spring (black)	2
PR17	2 3/4" x 3/4 strap mounting metal plate	8
PR18	Nylon spring bearing	8
PR19	Number *3/8" self threading screw	8
PR19A	#8 flat washer	12
PR19B	#8 lock washer	8
PR20	Spring Divider	2
PR21	Support washer for leg band	4
PR22	1/4"-20*8" stud threaded at both ends	2
PR23-15	1"O.D.lower strut tube (PW1523)	2
PR23-18	1"O.D.lower strut tube (PW1830)	2
PR23-24	1"O.D.lower strut tube (PW2440)	2
PR24	1/4"-20*1 5/8" cap screw	2
PR25	Foot plat bush	8
PR26	Floor nylon plate	2
PR27	1/4"-20*3" cap screw	8
PR28	1/4"-20*1 5/8" cap screw w/ square nut	4
PR29	Side pole cap clamp	2
PR30	Side pole support clamp	2
PR31	3mm clamp bracket	2

PR32	1/4"-20*1 5/8"cap screw	2
PR33	Upper side pole cap plug	2
PR35	Strap mounting screw	8
PR37	Sole mounting screw	16
PR42	Wing bolt	4
PR44	Lower coil spring	2
PR45	Entire spring construction	4
PR46	Replacement sole	4
PR47-15	Forward adjustable leg extrusion (PW 1523)	4
PR47-18	Forward adjustable leg extrusion (PW 1830)	4
PR47-24	Forward adjustable leg extrusion (PW 2440)	4
PR47A	Center spring assembly bracket	4
PR48	Downward nylon sleeve	4
PR49	Top stopping small nylon sleeve	4
PR50A	Upper foot pad attachment bracket	4
PR50B	Locking bracket	2
PR50C	Upper & lower spring assembly bracket	4
PR51-15	Inner extension tube (PW 1523)	4
PR51-18	Inner extension tube (PW 1830)	4
PR51-24	Inner extension tube (PW 2440)	4
PR51A	Lower foot pad attachment bracket	4