



Radiation Products Design, Inc.

**Total Body Irradiation Stand- Electrons
Item 495-602**



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The TBI Stand for Electrons includes the following:

Parent Item 495-602 Total Body Irradiation Stand- Electrons

Quantity	Component #	Description
2	495-600-01	Assembly, Caster Leg
1	495-600-09	Top Brace
1	495-600-10	Assembly, Platform Support with 2 knobs #10-036
4	71-TL092EG	Lock Pin for 1" - 1 3/4" Sq. Tube
1	495-600-20	Assembly, Seat with Short Post, 26" to 32"
1	495-600-25	Seat Post, Long, 32" to 38"
1	495-600-55	Back Rest Bar Assembly with Knobs (#10-032)
2	495-600-60	Handle with knob #10-034
4	495-600-70	Short (7.5") Support Rod with Knob #10-032
20	13-106	Plug, Round for 7/16" Hole, White Nylon
1	03-727	Label, RPD Address Model & S.N. - Black on Silver
1	INFO 495-602	INFO Sheet / Total Body Irradiation Stand - Inst.
2	495-600-80	Beam Spoiler Hanger Assembly
4	71-TL094EG	Lock Pin for 2" - 2 1/2" Sq. Tube

Optional Beam Spoiler Plate

1	495-600-83	Plate, Spoiler- 3/8" Acrylic, Density 1.185g/cm ³
1	495-600-84	Plate, Spoiler- 3/8" Polycarbonate, Density 1.2g/cm ³
1	495-600-85	Plate, Spoiler- 1/2" Acrylic, Density 1.185g/cm ³
1	495-600-86	Plate, Spoiler- 1/2" Polycarbonate, Density 1.2g/cm ³

TBI Stand Dimensions

Overall Size: 43 1/2" W x 42" D x 92 1/2" H

Base Size: 39" W x 30 1/2" D



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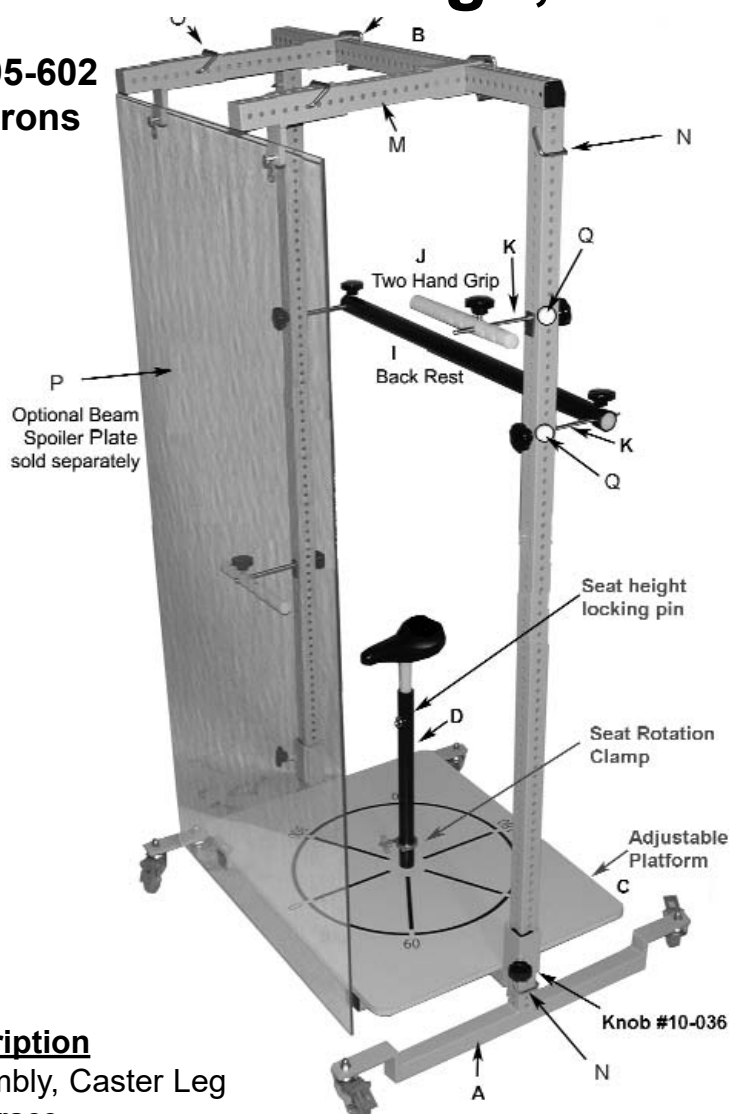
Parts Listing Item # 495-602

Total Body Irradiation Shield- Electrons

* Spoiler Plate (P) Sold Separately

Item #	Description
495-600-83	3/8" Acrylic, Density 1.185g/cm ³
495-600-84	3/8" Polycarbonate, Density 1.2g/cm ³
495-600-85	1/2" Acrylic, Density 1.185g/cm ³
495-600-86	1/2" Polycarbonate, Density 1.2g/cm ³

**Shown with Cassette (Sold Separately)
Call for more information on available
cassettes.



Qty.	Item #	Tab	Description
2	495-600-01	A	Assembly, Caster Leg
1	495-600-09	B	Top Brace
1	495-600-10	C	Assembly, Platform Support
1	495-600-20	D	Assembly, Sm. Seat with Short Post 26" to 32"
1	495-600-25	Not shown	Assembly, Seat Post Long 32" to 38"
1	495-600-55	I	Back Rest Bar Assembly with Knob # 10-034
2	495-600-60	J	Handle with Knob # 10-034
4	495-600-70	K	Assembly, Short (7.5") Support Rod with Knob #10-032
4	71-TL092EG	N	Lock Pin for 1" - 1 3/4" Sq. Tube
20	13-106	Q	Plug, Round White Nylon (7/16" Hole)
2	495-600-80	M	Beam Spoiler Hanger Assembly
4	71-TL094EG	O	Lock pins for 2"-2.5" sq. tube

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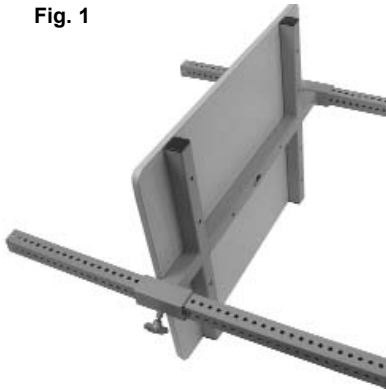
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Assembly Instructions for Item 495-600 and 495-602

Fig. 1



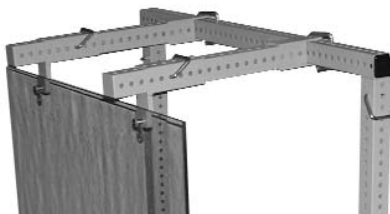
1. Lay two "T" legs with casters on the floor.
2. Hold platform assembly vertically with zero on platform toward the floor.
3. Remove tape securing locking clamp from inside of post holes. Lay locking clamp against corner with knob.
4. Slide "T" post through post hole in platform assembly. Check that locking clamp is in corner with knob.
5. Repeat for second "T" post.
6. Slide platform to bottom of post. Lock in place by tightening knobs.

Fig. 2



1. Inset top brace into the top of the "T" posts and secure with short pins (71-TL092EG).
2. Slide platform to bottom of posts. Lock in place by tightening knobs.
3. Lock the four casters.
4. Lift stand into vertical position.

Beam Spoiler Assembly



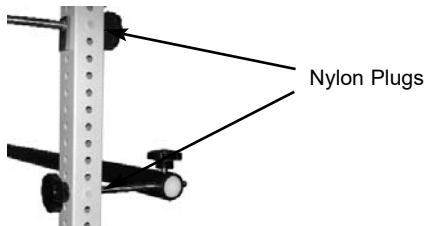
1. Zero on platform is the front of the stand.
2. Install two Beam Spoiler posts spaced at 22" apart on the front side of the top brace using the long lock pins (71-TL094EG).
3. Slide two adjustable Beam Spoiler hangers over the spoiler posts. Use the long lock pins (71-TL094EG).
4. Hang optional spoiler plate over shoulder bolts using the keyhole slots.



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Instructions for use of TBI Stand Item 495-602

1. Determine the position of the base by the patient's height and isocenter. Adjust base to the desired position by raising the base, tightening the knob, move locking pins under the base, loosen knobs, lower base to rest on pins, then tighten knobs again. Following this order will prevent any possible dropping of the base while patient is on the base.
2. Determine which seat post is needed by the patient's leg inseam, short post 26" to 32", long post 32" to 38". Put the locking clamp on the plastic post to be used. Insert the plastic post assembly into the hole in the base.
3. Insert the seat into the plastic post.
4. Raise the seat until it is in the correct patient leg inseam height position. Insert the locking pin. Rotate seat for proper seat direction, then tighten the locking clamp at the bottom of post so there is no turning motion of the seat.
5. Determine the vertical position for the handles. Insert a short rod into a post hole and tighten with the knob. Handle length is determined by the hole used to slide over the rod and the handle location on the rod is indicated by a letter. A white nylon plug (#13-106) can be inserted in the hole on the upright tube and numbered for a different position as the patient is rotated.
6. The back rest assembly can be used to give the patient something to lean their back against. This helps the patient not to move the upper body back and forth. If using the back rest assembly, determine the vertical position. Insert short rods and tighten with the knobs.
7. The white nylon plugs (#13-106) are used to mark the vertical post position of the rods. The plugs are placed in the lateral holes of the vertical post.
(They can be marked with a Sharpie pen - C = Cassette, H = Handle, B = Block Holder, S = Support Bar)



8. Field isodose curves can be produced by taping numbered ready-pack films to the wall, numbering wall locations and marking crosshairs, then exposing to radiation. Read the film and mark isodose 90% , 80% on film. Transfer isodose lines to film jacket and mount back on the wall. Tape a mylar sheet with crosshairs to a plain treatment tray. Turn on collimator light and rotate gantry till cross hairs align with crosshair marks on ready-pack. Transfer wall film isodose lines to mylar sheet.
9. **Optional:** Beam Spoiler Plates Item 495-600-83, 84, 85, 86
10. Safety Harness for TBI Stand Item 495-6064

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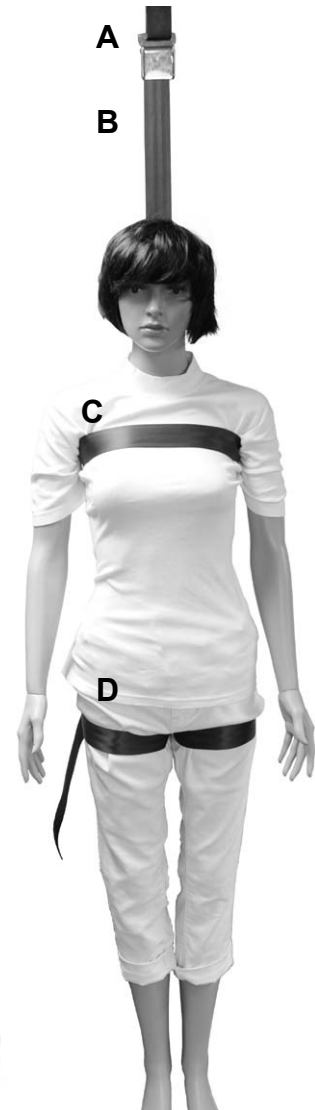
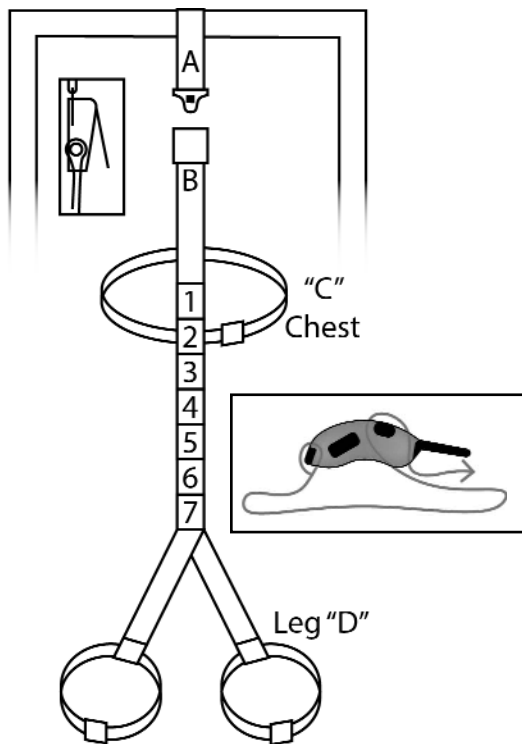
Instructions for Item 495-6064 TBI Stand Harness

Directions:

Harness can also be worn reversed with the vertical strap and buckles in front when treating the back

Note: The folded face of the stitched should be facing away from the patients skin to avoid chafing

1. Loop TBI Hanging Strap (A) over top of TBI frame with metal male buckle hanging toward patient
2. Connect Leg Straps (D) through the two loops on the bottom of the Vertical Strap (B), snug up, and drape Vertical Strap (B) over shoulder
3. Feed the Chest Strap (C) through the Vertical Strap (B) in the loop corresponding to the patient's underarm height and snug with the buckle behind the patient
4. Patient then stands on TBI platform
5. Connect the Vertical Strap (B) to the TBI Hanging Strap (A) then tighten so the patient will remain in an upright position
6. Check that all belts are comfortable to patient, try to keep buckles out of radiation field



- A. TBI Hanging Strap
- B. Vertical Strap
- C. Chest Strap
- D. Leg Straps (Qty. 2)