

TBI STANDS & ACCESSORIES, BEAM SPOILERS

TOTAL BODY IRRADIATION STAND



Item 495-600 Total Body Irradiation Stand for Photons or Electrons includes: Frame and platform, 2 adjustable seat posts, seat, 2 hand grips, back rest, cassette holder, polycarbonate block holder, tungsten pins, a block tray for the blockroom and 2 beam spoiler hanger assemblies.

Specifications

Overall Size: 45" W x 43.25" L x 93" H (114 x 110 x 236 cm)

Platform Size: 38" W x 31" L (97 x 77 cm)

Adjustment from Floor: 3" (7.6 cm) and up in 1" (2.5 cm) increments

Overall Weight: 202 Lb

Item 495-602 Total Body Irradiation Stand for Electrons includes: Frame and platform, 2 adjustable seat posts, seat, 2 hand grips, back rest and 2 beam spoiler hanger assemblies.

Optional Accessories

Item 495-6004 - TBI Chin Rest Assembly The TBI Chin Support will hold patient alignment during treatment.

Item 495-6005 - TBI Lung & Kidney Adjustable X-Y Blocking System The TBI Lung & Kidney Adjustable X-Y Blocking System allows for movement of the Blocking Tray, 3/8" Thick x 19.69" W x 25.98" H (0.762 x 50 x 66cm), in the Left/Right Direction of +/- 15cm (5.91") and in the Up/Down Direction of +/- 15cm (5.91). Both adjustments are accomplished by turning hand knobs.

Item 495-603 - Wedge Tray Flattening Filter for TBI, 6 MeV Varian III

Item 495-604 - Wedge Tray Scale for TBI Isodose Curves, Varian III Physicists will draw 90% isodose area on the tray which will project a line around patient

Item 495-6064 - Safety Harness Attaches to the top stabilizer bar and prevents a patient from falling.

Items 495-600-83 to 495-600-86 - Beam Spoiler/Beam Degrader The optional Beam Spoiler/Beam Degrader is available in 3/8" (1 cm) or 1/2" thick (1.3 cm) acrylic or polycarbonate. The beam spoiler measures 38" W x 86" L (96.5 x 218.4 cm).

Acrylic Density: 1.185 g/cc

Polycarbonate Density: 1.2 g/cc

Item #	Description
495-600	Total Body Irradiation Stand for Photons or Electrons
495-602	Total Body Irradiation Stand for Electrons

Item #	Optional Accessories
495-6004	TBI Chin Rest Assembly
495-6005	TBI Lung & Kidney Adjustable X-Y Blocking System
495-603	Wedge Tray Flattening Filter for TBI, 6 MeV, Varian III
495-604	Wedge Tray Scale for TBI Isodose Curves, Varian III
495-6064	Safety Harness for TBI Stands

Item	Optional TBI Beam Spoiler/Degrader	Thickness
495-600-83	Acrylic	3/8" (1 cm)
495-600-84	Polycarbonate	3/8" (1 cm)
495-600-85	Acrylic	1/2" (1.3 cm)
495-600-86	Polycarbonate	1/2" (1.3 cm)
495-011	Small Mobile Beam Spoiler Frame for TBI Stands	

The platform of the Total Body Stand is in the lowest position at 3" (7.6 cm) from the floor and is adjustable upward in 1" (2.5 cm) increments. This will allow centering the patient to the central axis of the beam. The platform is made of Gray PVC covered with non-slip vinyl material that is marked in 60° increments and has a mounting hole for the seat post. Long and short seat posts are included to provide maximum adjustment, in 1/4" (0.64 cm) increments, of the seat height. The seat height is determined and the seat is locked to the seat post. The seat angle is set by rotating seat post and locking when position is selected.

The Total Body Stand frame is made of 2" (5 cm) steel tubing. The frame consists of 2 "T" vertical posts and a top stabilizer bar. Holes spaced 1" (2.5 cm) apart on the vertical posts allow easy adjustment of all attachments. The top stabilizer bar and vertical "T" posts are removable for easy breakdown and storage. Two (2) beam spoiler hanger assemblies attach to the top stabilization bar. The stand has 4 swivel locking casters which allow easy movement and positioning.

A polycarbonate block holder can be mounted on the front of the vertical posts to support lung blocks or other shields. A stainless steel cassette holder can be mounted on the rear of the vertical posts. The back rest and hand grips can be used at any location on the vertical posts.

The polycarbonate block holder and the block tray for the blockroom have the exact same hole pattern. Tungsten pins can be inserted into the block holder as alignment markers.

TBI STANDS & ACCESSORIES, BEAM SPOILERS

ROTATIONAL TOTAL BODY IRRADIATION STAND



Specifications

Overall Size: 45" W x 43.25" L x 110" H (114 x 110 x 280cm)
Platform Size: 38" W x 31" L (97 x 79 cm)
Rotating Area: 22" Diameter (56 cm)
Adjustment From Floor: 4.25" (11cm) and up in 1" (2.5 cm) increments
Rotation Speed: 3-7 RPM
Power: 120 VAC
Shipping Weight: 485 lb (221 kg)

Optional Accessories

Item 495-603 Wedge Tray Flattening Filter for TBI, 6 MeV, Varian III

Item 495-604 Wedge Tray Scale for TBI Isodose Curves, Varian III

Item 495-6066 Safety Harness

Attaches to the rotational hand rail assembly and prevents a patient from falling.

Item 495-610 Head Shield for Rotational TBI Stand, 1/8" Lead

Item 495-612 Lead Hand Shield Rotational TBI Stand

Item 495-605-83 through 495-605-86 Beam Spoiler/Beam Degradator (for 495-605 Rotational TBI Stand only)

The optional beam spoiler/beam degrader is available in 3/8" or 1/2" (0.97 or 1.27 cm) acrylic or polycarbonate. The beam spoiler measures 42" W x 96" L (106.7 x 243.8 cm). Acrylic Density: 1.185 g/cc. Polycarbonate Density: 1.2 g/cc.

Acrylic Density: 1.185 g/cc

Polycarbonate Density: 1.2 g/cc

Item 936-583 through 936-627 Tungsten Eye Shields with Aluminum Caps

The Rotational Total Body Irradiation Stand was designed for use when treating the total body with electrons.

The stand has an adjustable rotating platform that adjusts vertically based on the patient's height and will rotate 360°. The platform is marked in 60° increments. The adjustable rotating platform is in the lowest position at 4.5" (11.43 cm) from the floor and is adjustable upward in 1" (2.54 cm) increments. This allows centering the patient to the central axis of the beam. The rotating platform is made of Gray PVC covered with non-slip vinyl material and has a mounting hole for the seat post. The Rotation Motor attaches to the rotating platform with four (4) mounting screws and the Motor Speed Controller attaches to the vertical "T" leg. The Motor Speed Controller is variable speed and adjustable from 3 to 7 RPM with scale markings at 3, 4, 5 and 6 RPM. A slow Start-up and Slow-down is designed into the Motor Speed Controller for patient stability. A 60' On/Off Rotation Remote Control Cable with a switch allows the therapist to start and stop the platform rotation from the control area.

Long and short seat posts are included to provide maximum adjustment, in 1/4" (0.635 cm) increments, of the seat height. The seat post to be used is determined by the patient's leg inseam. The seat height is determined and the seat is locked to the seat post. The seat direction is set by rotating the seat post and locking when desired direction is selected.

The rotational hand rail assembly rotates freely with patient rotation and accommodates the optional Safety Harness (Item 495-6066).

The Rotational Total Body Stand frame is made of 2" (5.08 cm) steel tubing. The frame consists of two (2) "T" legs with casters and a top stabilizer bar. Holes spaced 1" (2.54) apart on the vertical "T" legs allow easy adjustment of the rotating platform and hand rail assembly. The beam spoiler hanger assemblies attach to the top stabilizer bar.

The Rotational TBI Stand can be taken apart easily for storage. The rotation motor is easily removable from the rotating platform by removing the four (4) mounting screws and the motor speed controller easily lifts off the vertical "T" leg. The top stabilizer bar, vertical "T" legs, adjustable rotating platform and rotational hand rail assembly are all removable for easy breakdown. The stand has 4 swivel locking casters which allow easy movement and positioning.

Item 495-605 Rotational Total Body Irradiation Stand Includes

- Frame
- Adjustable Rotating Platform
- 2 Adjustable Seat Posts
- Seat
- Rotational Hand Rail Assembly
- Rotation Motor
- Variable Motor Speed Controller 3-7 RPM
- On/Off Rotation Remote Control Cable and Connector
- 2 Beam Spoiler Hanger Assemblies

Item	Description
495-605	Rotational Total Body Irradiation (TBI) Stand

Item	Optional
495-603	Wedge Tray Flattening Filter for TBI, 6 MeV, Varian III
495-604	Wedge Tray Scale for TBI Isodose Curves, Varian III
495-6066	Safety Harness for Rotational TBI Stand
495-610	Head Shield for Rotational TBI Stand, 1/8" Lead
495-612	Lead Hand Shield for Rotational TBI Stand

Item	Rotational TBI Stand Beam Spoiler	Thickness
495-605-83	Acrylic	3/8" (1 cm)
495-605-84	Polycarbonate	3/8" (1 cm)
495-605-85	Acrylic	1/2" (1.3 cm)
495-605-86	Polycarbonate	1/2" (1.3 cm)

Item	Tungsten Eye Shield with Aluminum Caps
936-583	11.6 mm Inside Dimension x 2 mm Thick
936-585	13.3 mm Inside Dimension x 2 mm Thick
936-587	15.0 mm Inside Dimension x 2 mm Thick
936-589	16.7 mm Inside Dimension x 2 mm Thick
936-591	18.4 mm Inside Dimension x 2 mm Thick
936-596	11.0 mm Inside Dimension x 3 mm Thick
936-598	12.7 mm Inside Dimension x 3 mm Thick
936-601	14.4 mm Inside Dimension x 3 mm Thick
936-623	16.1 mm Inside Dimension x 3 mm Thick
936-627	17.8 mm Inside Dimension x 3 mm Thick

TBI STANDS & ACCESSORIES, BEAM SPOILERS

WEDGE TRAY SCALES FOR TBI ISODOSE CURVES, VARIAN III



For use with Total Body Irradiation (TBI) Stands, Items 495-600 and 495-602.

The Radiation Physicist must find the projected isodose curves for their TBI Stand location.

The mapping of the isodose curves must be marked on the wall or stand covered with paper so values and lines can be seen. Use chamber or film. Record gantry angle used.

The Total Body Scale Tray is inserted in the treatment machine and rotated to the same gantry angle setting used for producing the projected isodose on the wall or stand. With a black marker, mark the demagnification on the acrylic TBI tray which will project a line around the patient.

Item	Description
495-604	Wedge Tray Scale for TBI Isodose Curves, Varian III

HEAD SHIELD FOR ROTATIONAL TBI STAND, 1/8" LEAD



This head shield is designed to work with the Rotational Total Body Irradiation Stand (495-605 and 495-609) providing full 360° of 1/8" lead shielding to the head of the patient. The shield is supported by two chains connected to the treatment stand.

Specifications

Lead Density: 11.35g/cm³
Shielding: 1/8" (3.175mm) Lead
Inside Diameter: 11.25" (28.5cm)
Height: 12" (30.5cm)
Finish: Durable Tan Polyurethane Enamel Paint
Weight: 33 lb (15kg)

Item	Description
495-610	Head Shield for Rotational TBI Stand, 1/8" Pb

LEAD HAND SHIELDS FOR ROTATIONAL TBI STAND



The Lead Hand Shields are to be used with the Rotational Total Body Irradiation Stand (495-605 and 495-609) for the purpose of shielding the hands of a patient from radiation exposure during treatment. The hand shields are sold as a pair, not individually.

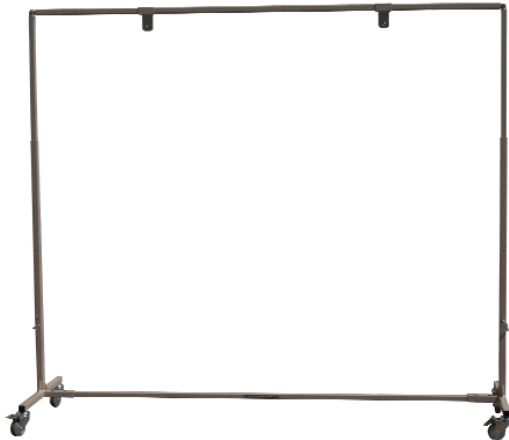
Specifications

Inner Lining: .140" (3.56mm) Plastic with Finish
Shielding: 0.25" Lead (6.35mm)
Diameter: 6" (15.2cm)
Inner Diameter: 5.22" (13.3cm)
Height: 6" (15.2cm)
Finish: Durable tan textured polyurethane enamel paint
Weight: 11.65 lb (5.28kg) each

Item	Description
495-612	Lead Hand Shields for Rotational TBI Stand

TBI STANDS & ACCESSORIES, BEAM SPOILERS

BEAM SPOILER FRAME AND BEAM SPOILERS



The Beam Spoiler Frame holds a beam spoiler for Total Body Irradiation. The frame is made of 1" (2.54 cm) square and 1.25" (3.18 cm) square steel tubing. The vertical legs are telescoping to allow a 13" (33 cm) vertical range of movement. Two hangers welded on the top horizontal bar are positioned to hold a beam spoiler in either the vertical or horizontal direction. The frame can support 1" (2.54 cm) thick (2 plates for Photons) weight up to 250 pounds (114 kg). Four 3" (7.62 cm) diameter swivel locking casters allow for easy movement of the Beam Spoiler. The frame can be dismantled for storage.

The optional Beam Spoiler is available in acrylic or polycarbonate in 0.375" (0.95 cm) or 0.50" (1.27 cm) thickness. The beam spoiler has two key holes on both the 60" (152 cm) side and on the 84" (213.4 cm) side to allow for positioning on the frame in either direction. The key holes can also be used to hang the beam spoiler from wall hooks for storage.

Specifications

Item 495-004 Beam Spoiler Frame for TBI

Overall Size: 91.5" L x 24" W x 80.375" or 93.375" H (232.4 x 61 x 204.2 or 237.2 cm)

Finish: Durable tan textured polyurethane enamel paint

Beam Spoilers

Size: 60" x 84" (152.4 x 213.4 cm)

Acrylic Density: 1.185 g/cc

Polycarbonate Density: 1.2 g/cc

Item	Description
495-004	Beam Spoiler Frame for TBI

Item	Beam Spoiler	Thickness	Weight
495-005	Polycarbonate	0.375" (0.95 cm)	77 lb (35 kg)
495-006	Polycarbonate	0.50" (1.27 cm)	103 lb (47 kg)
495-007	Acrylic	0.375" (0.95 cm)	77 lb (35 kg)
495-008	Acrylic	0.50" (1.27 cm)	103 lb (47 kg)

SMALL MOBILE BEAM SPOILER FRAME FOR TBI STANDS



The Small Mobile Beam Spoiler Frame can be used with all Total Body Irradiation stands.

The Beam Spoiler Frame will hold up to a 1" (2.54 cm) thickness beam spoiler for Total Body Irradiation. The frame is made of 1" (2.54 cm) square and 1.25" (3.18 cm) square steel tubing. The vertical legs are telescoping to allow up to a 93.375" height. Two adjustable hangers on the top horizontal bar are positioned to hold a beam spoiler in the vertical direction. The frame can support up to a 1" (2.54 cm) thickness of plates for Photons (2 of the 0.50" maximum). Four 3" (7.62 cm) diameter swivel locking casters allow for easy movement of the Beam Spoiler. The frame can be dismantled for storage.

Optional Beam Spoiler plates are available in acrylic or polycarbonate in 0.375" (0.95 cm) or 0.50" (1.27 cm) thickness. The beam spoiler plates have 2 key holes on the 38" side for hanging. The frame can support 2 Beam Spoiler plates (Items 495-600-83, 495-600-84, 495-600-85 and 495-600-86). The key holes can also be used to hang the beam spoiler plates from wall hooks for storage.

Specifications

Item 495-011 Beam Spoiler Frame for TBI

Overall Size: 59" L x 24" W x 93.375" H (150 x 61 to 237.2 cm) not including casters

Finish: Durable tan textured polyurethane enamel paint

Beam Spoilers

Size: 38" W x 86" H (96.5 x 218.4 cm)

Acrylic Density: 1.185 g/cc

Polycarbonate Density: 1.2 g/c

Item	Description
495-011	Small Mobile Beam Spoiler Frame for TBI Stands

Item	TBI Beam Spoiler	Thickness
495-600-83	Acrylic	0.375" (0.95 cm)
495-600-84	Polycarbonate	0.375" (0.95 cm)
495-600-85	Acrylic	0.50" (1.27 cm)
495-600-86	Polycarbonate	0.50" (1.27 cm)

TBI STANDS & ACCESSORIES, BEAM SPOILERS

SELF HOLDING BEAM SPOILER WITH FLEXIBLE ARM



The Self Holding Beam Spoiler has a flexible 18" (45.7 cm) or 24" (61 cm) arm that manually adjusts for easy use. The acrylic plate has an arm rotation lock that secures the acrylic plate to the desired position. The acrylic plate is 30 cm square x 0.25" (0.64 cm) or 0.375" (0.95 cm) thick and is mounted at the end of the flexible arm. The whole assembly attaches to the table rail with a rail clamp.

Specifications

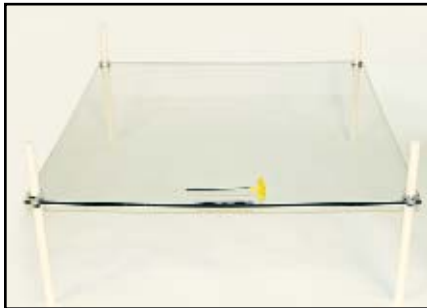
Acrylic Density: 1.185 g/cm³

Item	Description
495-053-20	Siemens Flexible 18" Beam Spoiler
495-053-32	Varian Flexible 18" Beam Spoiler
495-053-50	Philips Flexible 18" Beam Spoiler
495-054-20	Siemens Flexible 24" Beam Spoiler
495-054-32	Varian Flexible 24" Beam Spoiler
495-054-50	Philips Flexible 24" Beam Spoiler

Customer to Specify Acrylic Thickness

60 x 60 cm

TBI TABLE, BEAM SPOILER FOR CHILD



The TBI Table, Beam Spoiler can be used when a child needs to be placed on the floor for treatment and the beam spoiler can be placed over them. The unit is made of 0.5" (1.27 cm) thick polycarbonate and four (4) nylon legs that are secured with aluminum clamps. The Beam Spoiler is adjustable up to 60cm from the floor.

Specifications

Over all Dimensions: 48" W x 48" L (122 x122 cm), Adjustable to 60 cm high

Material: Polycarbonate, Nylon and Aluminum

Polycarbonate Density: 1.2 g/c

Item	Description
495-620	TBI Table, Beam Spoiler for Child

TBI ADJUSTABLE ANGLE BOARD



The TBI Adjustable Angle Board is designed to provide angled back support to patients that need to be on the floor when getting TBI. The board can be set at 40°, 50° or 60° angles.

Specifications

Over all Dimensions: 48" W x 95" L x 10 mm Thick (121.9 cm W x 241.3 cm L x 10 mm Thick)

Angles: 40°, 50° and 60°

Material: Polypropylene Coroplast Corrugated Sheet

Item	Description
258-800	TBI Adjustable Angle Board