

RAYCAST® HIGH PRECISION BASE PLATES

HIGH PRECISION LONG IMRT BASE PLATE IN CARBON FIBRE LAMINATE



Article No. : 32150/12

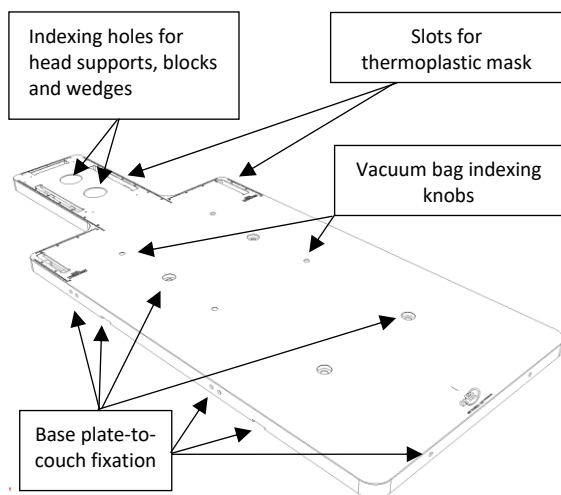
A. GENERAL PRODUCT INFORMATION

This product is a medical device used for patient positioning and immobilisation (head & neck) in radiation therapy. This low density plate can be used during the simulation and the treatment stage, including IMRT treatments.

This product may only be used in combination with immobilisation masks produced by Orfit. Orfit prohibits the use of unauthorised third-party products in conjunction with its own products.

B. PRODUCT DESCRIPTION

This RAYCAST® HIGH PRECISION LONG IMRT BASE PLATE in Carbon Fibre Laminate (CFL) is suitable for use in combination with the range of Efficast® thermoplastic Head & Neck and Head, Neck & Shoulders masks, Raycast High Precision Head Supports, Blocks, Wedges and Couch indexing Devices to form a reproducible patient positioning and immobilisation device in the field of radiotherapy. Information on these other parts and instructions on how to make the masks can be found in the respective 'instructions for use' and on www.orfit.com.



C. PRECAUTIONS FOR USE

This is a fragile product, please handle with care. Always place the base plate on a flat surface. Always fix the base plate securely to the treatment couch before positioning a patient. More information on how to fix this base plate to a couch top can be found on our website <http://www.orfit.com/en/fixation-devices/>.

The CFL base plate is constructed to be light in weight and to have superb dosimetric properties. When handled roughly, it

may get damaged and fibres may come off. When this happens, stop using the base plate to prevent fibres from getting in contact with the patient's or user's skin. Contact your distributor.

When using this base plate in overhang on an iBeam couch, iBeam couch fixation (Art. No. 32813) needs to be used at the caudal end to secure the base plate to the couch top. This prevents the base plate from falling off the table when the patient moves.

A patient set-up form is available on the Orfit website: <https://www.orfit.com/app/uploads/Head-and-Neck.pdf>

D. STORAGE

Always store the product in a safe place to prevent it from getting damaged or falling onto other objects. Take care not to damage the edges of the plate when storing it in an upright position. Prevent hard objects from falling onto the plate or any pressure localized on a small surface area of the plate.

Store the base plate between +10°C (50°F) and 40°C (122°F).

E. PROPERTIES

F.1. Physical Properties

This plate is made of carbon fibre laminate.

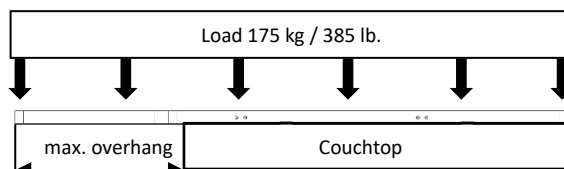
Dimensions: L 1296 mm x W 540 mm x H 30 mm
Weight : 3,9 kg



This product is MR unsafe and cannot be used in a MRI scanner.

F.2. Mechanical Properties

Maximum allowed distributed patient weight is 175 kg / 385 lb.



F.3. Dosimetric Properties

The general attenuation factor ($\pm 0.15\%$) in low density areas for the base plate is as follows:

6 MV	1.7%
15 MV	1.2%

Skin build-up	5 mm H ₂ O equiv.
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Note: Use these numbers as a guidance only. Perform the measurements again in your department to verify these results.

F. MAINTENANCE AND WASTE MANAGEMENT

This product can be cleaned and disinfected by means of soapy water or an isopropanol based disinfectant, applied with a soft cloth. If unsure about the cleaning fluid, do not use. **Never use aerosol sprays, corrosive cleaning agents, solvents or abrasive detergents.**

Periodic checks of the product should be done to insure the parts are not worn and require repair or replacement. **Do not attempt to make repairs yourself.** Contact your distributor if there are any questions or concerns.

The product can be disposed of with household waste.

G. ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets and regulatory information, please visit our website www.orfit.com.

Note:

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