

# RAYCAST® HIGH PRECISION BASE PLATES

## HIGH PRECISION LONG IMRT BASE PLATE IN CARBON FIBRE LAMINATE COMPATIBLE WITH THE ELEKTA HEXAPOD™ EVO RT SYSTEM



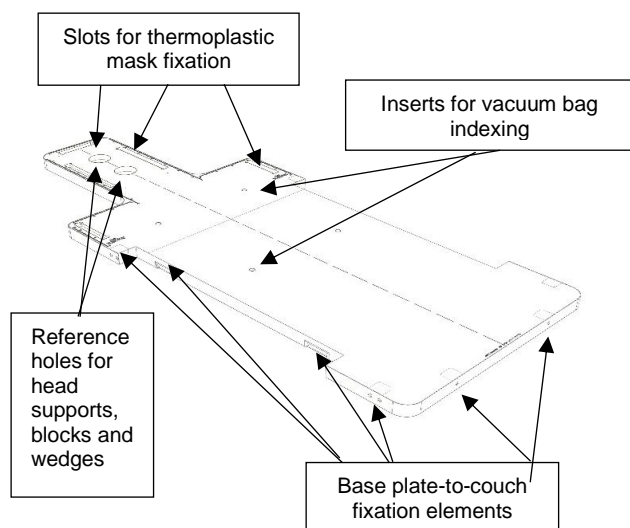
Article No. : **32150/HX**

### A. GENERAL PRODUCT INFORMATION

This product is a medical device used for positioning and immobilisation of head & neck patients in IMRT treatments. This low density plate, that can be used for both simulation and treatment, has a cut-out which makes it compatible with the HexaPOD™ evo RT system.

### B. PRODUCT DESCRIPTION

THIS RAYCAST® HIGH PRECISION LONG IMRT BASE PLATE in Carbon Fibre Laminate (CFL) is suitable for use in combination with the rang 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](http://www.orfit.com).



This base plate has a cut-out with a removable bottom part which makes it compatible with the HexaPOD™ evo RT system. When removing the bottom part, the iBeam holes are not covered by the base plate so the HexaPOD frame can be attached to the iBeam table.

### C. PRECAUTIONS FOR USE

This is a fragile product, please handle with care. Always place the base plate on a flat surface. Clear the treatment table of any debris before positioning the base plate. 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/>.

**If the base plate is used in overhang over the couch a Table Fix (art. no. 35744/6) or 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.**

The base plate contains a removable bottom plate which is not attached to the upper part. Remove both parts separately to prevent the parts from falling and getting damaged.

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.

### 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.

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

### E. PROPERTIES

#### E.1. Physical Properties

Dimensions: L 1350 mm x W 544 mm x H 30 mm  
Weight : 3,87 kg (including the removable bottom part)

#### E.2. Mechanical Properties

Bending:

The bending (sag)  $\Delta Lw$  of the IMRT base plate (measured between the two positioning holes of the head support, at 323 mm from the 'maximum overhang line) can be calculated using the next equation:

$$\Delta Lw = 0,0892W + 0,0145, \text{ where}$$

$\Delta L_w$  is the displacement of the plate (mm)

W is the vertical force (weight), exerted at the measuring point (kg)

SD:  $\pm 0,017$  mm

### E.3. Dosimetric Properties

Attenuation factor ( $\pm 0.15$ %)	
6 MV	1.7%
10 MV	1.2%
H <sub>2</sub> O equivalence	5 mm

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](http://www.orfit.com).

#### Note:

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