

# RAYCAST® HIGH PRECISION LONG EXTENSION BASE PLATE WITH PIN INTERFACE IN CARBON FIBRE LAMINATE



Article No. : **32150/3**

## A. GENERAL PRODUCT INFORMATION

The product referred to in these instructions is a medical device used for patient positioning and immobilisation (head & neck) in radiation therapy. This low density base plate can be used during both the simulation and the treatment stage.

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

## B. PRODUCT DESCRIPTION

This RAYCAST® HIGH PRECISION LONG EXTENSIONS BASE PLATE WITH PIN INTERFACE in carbon fibre base plate is suitable for use in combination with the range of Efficast® thermoplastic Head & Neck and Head, Neck & Shoulders masks, Raycast® High Precision Head Supports and Blocks & Wedges 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).

## 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.
- When a robotic arm is used to transfer the table onto a stretcher with the base plate attached to it, the base plate should be fully supported at all times. For safety reasons the base plate cannot hang over the table past the

'maximum overhang line' at the level of the shoulders. Always verify that the base plate is attached safely to the table before performing the transfer.

- The carbon fibre 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 the patient positions himself on the base plate, this should be done on the caudal side of the couch top and then he should slide towards the cranial end.

## 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. Also pay attention to the pins of the base 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 30°C (86°F). Take into account the maximum weight loads.

## E. PROPERTIES

### E.1. Physical Properties

Dimensions: L 1352,5 mm x W 540 mm x H 28 mm  
Weight : 4,27 kg

### E.2. Mechanical Properties

The maximum distributed patient load on the base plate is 175kg (385lbs).

### E.3. Dosimetric Properties

Attenuation factor ( $\pm 0.15\%$ )	
6 MV	1.7%
15 MV	1.1%
H <sub>2</sub> O equivalence	3.9 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:

The instructions were written in accordance with the European Directive 93/42/EEC for Medical Devices. It is prohibited to make alterations to this text without prior approval from Orfit Industries. RAYCAST® and EFFICAST® are registered trademarks of Orfit Industries.



**ORFIT INDUSTRIES**  
Vosveld 9A | B-2110 Wijnegem | Belgium  
T (+32) (0)3 326 20 26  
welcome@orfit.com

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



Ref. No. 50181  
VERSION 2  
LAST UPDATE: 29/05/2019  
REVISION DATE: 29/05/2021