

iBEAM® EVO EXTENSION BASIC MODULE S-TYPE (LONG)



Article No. : **32136 & 32137**

A. GENERAL PRODUCT INFORMATION

The products referred to in these instructions are medical device used for patient positioning and immobilisation in radiation therapy. These products 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

32136 - iBEAM® evo Extension Basic Module S-type



The iBEAM® evo Extension Basic Module S-type in Carbon Fibre Laminate (CFL) is suitable for use in combination with the range of S-type DUON® thermoplastic head & neck and Head, Neck & Shoulders masks to form a reproducible patient positioning and immobilisation device in the field of radiotherapy. The Raycast® High Precision Head Supports and blocks & wedges have to be combined with an adapter art. No. 32047 or 32047-CFL. 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.

Note: The iBEAM® evo Extension Basic Module S-type can only be used for cranial fields.

32137 - iBEAM® evo Extension Basic Module S-type Long



The iBEAM® evo Extension Basic Module S-type Long in Carbon Fibre Laminate (CFL) is suitable for use in combination with the range of S-type DUON® thermoplastic Head & Neck and Head, Neck & Shoulders masks. The Raycast® High Precision Head Supports and blocks & wedges have to be combined with an adapter art. No. 32047 or 32047-CFL. 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.

Note: The iBEAM® evo Extension Basic Module S-type Long can only be used for lower Head & Neck fields (10cm caudal from the patient's skull).

The iBEAM® evo extensions basic module S-type (long) attach to the end of the iBEAM® evo couchtop, Connexion™, HexaPOD™ evo RT Couchtop and iBEAM® evo CT Overlay as the base end of the boards mate precisely with the end piece of these couches.

C. PRECAUTIONS FOR USE

Always make sure the base plates are firmly attached to the iBEAM® evo couchtop before positioning a patient.

The maximum allowed load distributed evenly on both extensions is 40k g/ 88.18 lbs.

The CFL base plates are constructed to be light in weight and to have superb dosimetric properties. When handled roughly, they may get damaged and fibres may come off. When this happens, stop using the base plates to prevent fibres from getting into contact with the patient's or user's skin. Periodic checks of the products should be done to insure the parts are not worn and require repair or replacement. **Do not attempt to make repairs yourself**, but contact your distributor if there are any questions or concerns.

D. STORAGE

Always store the products in a safe place to prevent them from getting damaged or falling onto other objects. Take care not to damage the edges of the plates when storing them in an upright position. Prevent hard objects from falling onto the plates.

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

E. PROPERTIES

E.1. Physical Properties

32136 - iBEAM® evo Extension Basic Module S-type

Dimensions: L 47.1 cm x W 64.2 cm x H 5.0 cm

L 18.54" x W 25.28" x H 1.97"

Weight: 1.1 kg, 2.43 lbs

32137 - iBEAM® evo Extension Basic Module S-type Long

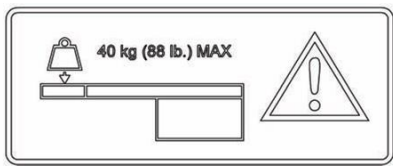
Dimensions: L 57.1 cm x W 64.2 cm x H 5.0 cm

L 22.48" x W 25.28" x H 1.97"

Weight: 1.3 kg, 2.87 lbs

E.2. Mechanical Properties

The maximum permissible patient load distributed evenly on the iBEAM® evo Extensions Basic Module S-type (Long) is 40 kg / 88 lbs.



E.3. Dosimetric Properties

Following dosimetric properties apply to both extensions:

Attenuation factor ($\pm 0.15\%$)	6MV	15MV
	1.50%	1.30%

Note: Use these numbers as a guidance only. Perform the measurements again in your department to verify these results.

The couch top and the extensions contain internal components of solid carbon fibre in the area of the interface. During imaging and treatment this region has to be avoided. If the beam passes through structural materials such as this interface before entering the patient, this can cause unacceptable distortions of the intended dose distribution in the patient. Such distortions are not accounted for in the treatment planning system.

F. UNPACKING AND INSTALLATION

The iBEAM® evo extensions basic module S-type (long) are designed to be ready for use following removal from their packing container.

When the systems arrive, inspect all shipping containers for evidence of physical damage. If there are any dents, scratches, or other evidence of physical damage to the boxes, note the damage on the shipper's copy of the bill of lading and file a claim against the shipper.

In the case of shortages or malfunctions, notify your distributor immediately to arrange for replacement or repair. Save all packing containers and materials in case it needs to be returned to Orfit Industries for replacement or repair.

G. MAINTENANCE AND WASTE MANAGEMENT

These products 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 products 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 products can be disposed of with household waste.

H. 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:

It is prohibited to make alterations to this text without prior approval from Orfit Industries. RAYCAST® and EFFICAST® are registered trademarks of ORFIT Industries. iBEAM® is a registered trademark of Elekta. Connexion™ and HexaPOD™ are trademarks of Elekta.



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

www.orfit.com



Ref. No. 50222
VERSION 1
LAST UPDATE: 15/04/2021
REVISION DATE: 15/04/2023