

RAYCAST® HIGH PRECISION INTERFACES & ADAPTERS

HIGH PRECISION HP ADAPTER WITH MEDIUM DENSITY CENTER PLATE FOR S-TYPE BASE PLATES



Article No. : **32106**

A. GENERAL PRODUCT INFORMATION

The products referred to in these instructions are medical devices, used for patient positioning and immobilization in radiation therapy. This product 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 unauthorised third-party products in conjunction with its own products.

B. PRODUCT DESCRIPTION

The HP adapter is designed to mould HP EFFICAST® 3-points, 4-points and 5-points masks on S-type base plates and enjoy the advantages of L-shaped profiles and the properties of EFFICAST. 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.

Click the orange pins into the holes in the base plate that are normally used to attach the S-type masks. The frame is now securely fixed on the base plate.

After positioning the patient on the base plate an HP EFFICAST mask can be moulded and the profiles of the mask are attached in the slots with the blue EVA handles. This is illustrated in Figure 1 and 2.

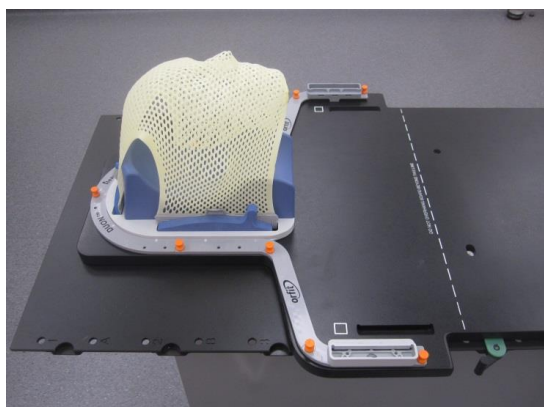


Figure 1

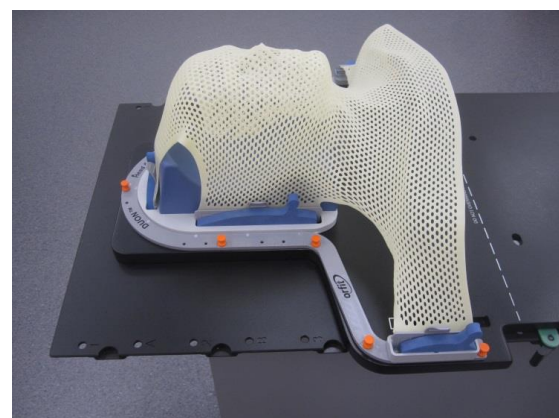
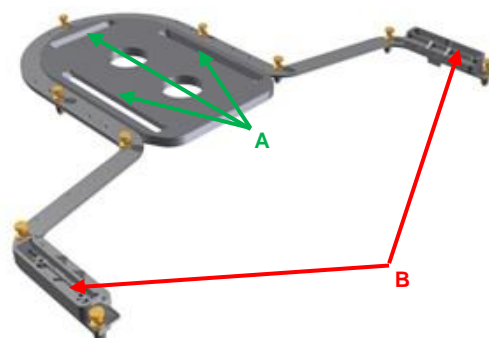


Figure 2

A complete range of EFFICAST thermoplastic masks can be used on this base plate to immobilize patients. Instructions on how to make these masks can be found in the respective 'instructions for use' and on our website.

To release the adapter from the base plate pull the pins out and lift the frame up.

Note: The slots for the 3-points head masks are compatible with the standard Orfit HP head slots on other Orfit baseplates. These are the slots marked **A** in figure 3. The shoulder slots are not compatible with the standard Orfit HP shoulder slots as they are not in the same location as the other Orfit baseplates. These slots are marked **B** on the figure below.



Figure

C. STORAGE

Always store the product in a safe place to prevent it from getting damaged. Store the device between + 10°C (50°F) and 40°C (122°F).

D. MAINTENANCE AND WASTE MANAGEMENT

D.1. Physical Properties

Dimensions: L 364,52 mm x W 598,30 mm x H +/- 45mm

D.2. Material Properties

The different items of the frame are made out of the following materials:

	Material	g/cm ³
Orange pin	POM	1.4
Frame	PC	1.2
Slots	ABS	1.06
Screws M5 x 10	PEEK	1.32
Screws M5 x 6	PA6.6	1.15
HP head plate	PVC	1.4

D.3 Dosimetric properties

Attenuation (at 6 and 15 MV) and skin build up (SBU) values:

	Thickness	Attenuation (± 0.15%)		SBU (± 0.1 mm)
		6 MV	15 MV	mm H ₂ O equiv.
HP Head Plate	12mm	1.49%	1.3%	6.6
Frame	6.5mm	1.2%	1.03%	5.3

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

E. 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.

F. 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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Ref. No. 50057
VERSION 5
LAST UPDATE: 02/04/2021
REVISION DATE: 02/04/2023