

CIVCO Technical Data Sheet

FirmFit thermoplastics are drape-style masks and are compatible with the Type-S™ Patient Positioning Systems. For a full list of available thermoplastic part numbers, please visit www.CivcoRT.com.

Product Configuration

FirmFit with SnapFrame™ Type-S

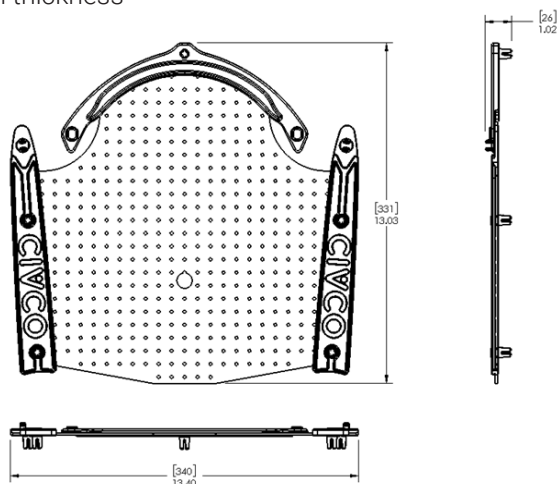
Head Only

0.5 lbs (0.23 kg)

331 L x 340 W x 26 H (mm)

MTAPUDMP

2.3 mm thickness



FirmFit with SnapFrame Type-S

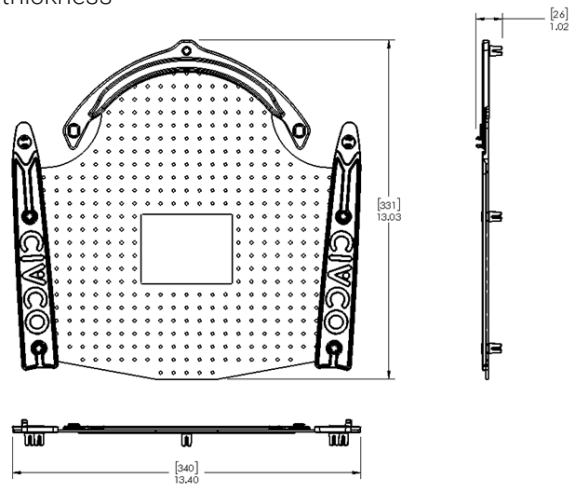
Head Only with Open-face

0.5 lbs (0.23 kg)

331 L x 340 W x 26 H (mm)

MTAPUDMPSG

2.3 mm thickness



FirmFit with SnapFrame Type-S

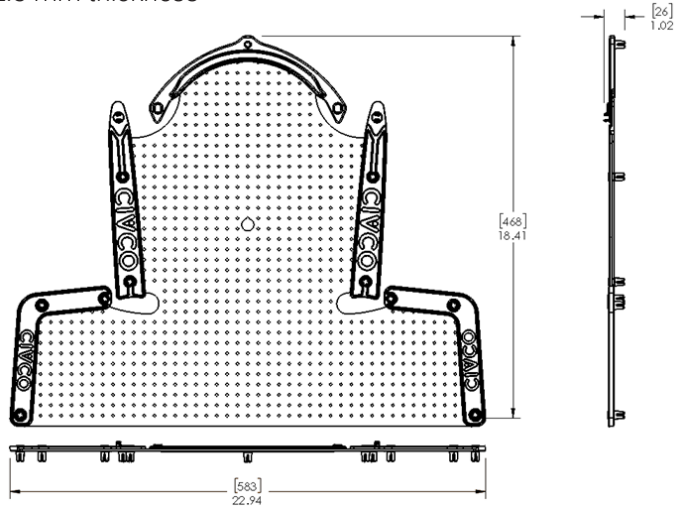
Head, Neck & Shoulders

1.2 lbs (0.54 kg)

468 L x 583 W x 26 H (mm)

MTAPSDMP

2.3 mm thickness

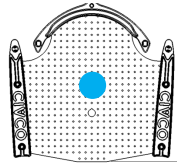


Technical Details

Primary Materials

Polycaprolactone, White Polycarbonate

Dosimetric Properties (Unstretched Mask)**



Location	6 MV photons	18 MV photons	Proton water equivalency R80
Center ●	0.7%	0.1%	2.4 mm

Performance Specifications are for reference only, values may vary based on setup and equipment.

Thickness	2.3 mm (.090)	
Perforation	5%	
Density	1.145 g/cm ³	
Surface feeling	Smooth	
Color	White	
Odor	None	
Biocompatible	Yes	
Transparent when activated	Yes	
	Waterbath	Dry Heat Oven
Activation temperature	70° C / 158° F	75° C / 165° F
Activation time	1 min (Head-only and H, N & S)	5–9 min (Head-only and H, N & S)
Molding time (maximum)* ^a	1 min	N/A
Hardening time* ^b	9 min	N/A
Time to completion (minimum)* ^c	10 min	10 min

Product Details

Indications for use

The device is indicated to aid in supporting, positioning, and/or immobilization of adult and pediatric patients undergoing radiation therapy of the head, brain, neck, and spine including radiosurgery and electron, photon, and proton treatments. The device is also used during image acquisition to support treatment planning.

Contraindications

None

MRI Compatible

MR Safe

Integration

Connects to Universal Couchtop™ and Baseplates with Type-S connection

FDA Clearance

Yes

CE Marked (EU DOC)

Yes

Other Country Registrations

Available upon request

Country of Manufacture

USA

Packaging Details

Unit Pack	1 Piece
Units / Box	5 Pieces
Shelf Life	Not Applicable
Warranty	See CIVCORT website for Product Warranty Statement
Sterilization	Non-Sterile

Test Procedures used to Acquire Data

Definitions*

- Molding Time** - the time frame available from when the mask is removed from the waterbath to the time that the mask can no longer be molded or formed.
- Hardening Time** - the time between the molding and completion time where the mask should be cooling and hardening on its own without being manipulated or molded.
- Time to Completion** - the total time from when the mask is taken out of the waterbath or dry heat oven to when the mask can be removed from the patient.

Photon Attenuation Test Conditions**

- 100 cm SAD
- 10 x 10 cm Field Size
- 6 MV Dmax = 1.5 cm
18 MV Dmax = 3.0 cm

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