

# FirmFit™ Thermoplastics

## 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](http://www.CivcoRT.com).

## Product Configuration

### FirmFit with SnapFrame™ Type-S

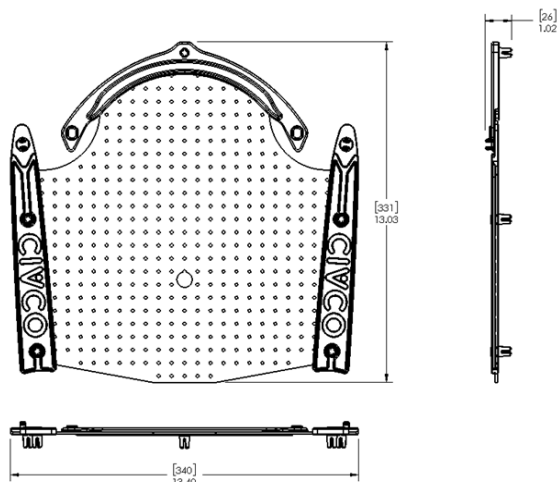
Head Only

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

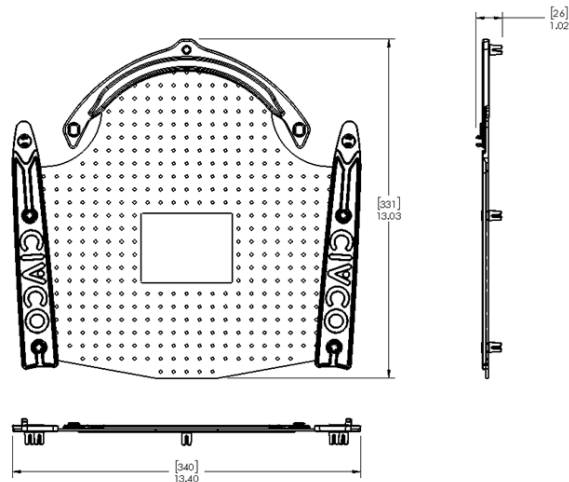
Head Only with Open-face

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

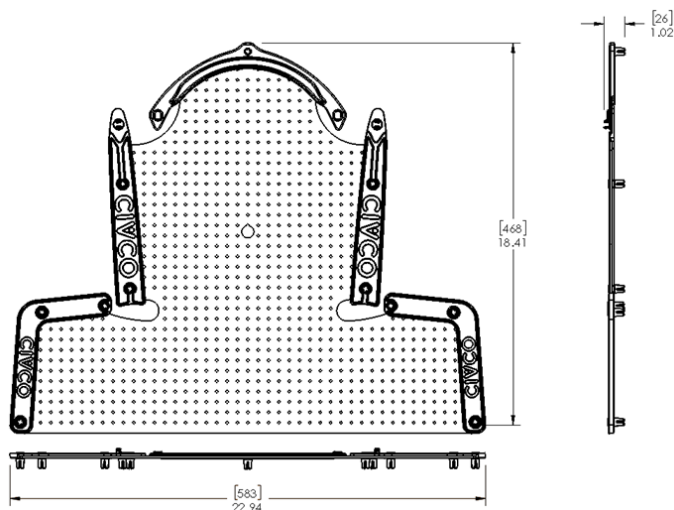
Head, Neck & Shoulders

1.2 lbs (0.54 kg)

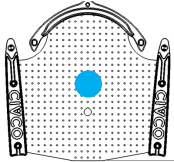
468 L x 583 W x 26 H (mm)

#### MTAPSDMP

2.3 mm thickness



# Technical Details

<b>Primary Materials</b>	Polycaprolactone, White Polycarbonate				
<b>Activation temperature (water bath)</b>	70° C / 158° F				
<b>Activation time (water bath)</b>	1 min				
<b>Dosimetric Properties (Unstretched Mask)**</b>		<b>Location</b>	<b>6 MV photons</b>	<b>18 MV photons</b>	<b>Proton water equivalency R80</b>
		Center ●	0.7%	0.1%	2.4 mm
Performance Specifications are for reference only, values may vary based on setup and equipment.					
<b>Thickness</b>	2.3 mm (.090)				
<b>Perforation</b>	5%				
<b>Density</b>	1.145 g/cm <sup>3</sup>				
<b>Surface feeling</b>	Smooth				
<b>Color</b>	White				
<b>Odor</b>	None				
<b>Biocompatible</b>	Yes				
<b>Transparent when activated</b>	Yes				
<b>Molding time (maximum)*<sup>a</sup></b>	1 min				
<b>Hardening time*<sup>b</sup></b>	9 min				
<b>Time to completion (minimum)*<sup>c</sup></b>	10 min				

# Product Details

<b>Indications for use</b>	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.
<b>Contraindications</b>	None
<b>MRI Compatible</b>	MR Safe
<b>Integration</b>	Connects to Universal Couchtop™ and Baseplates with Type-S connection
<b>FDA Clearance</b>	Yes
<b>CE Marked (EU DOC)</b>	Yes
<b>Other Country Registrations</b>	Available upon request
<b>Country of Manufacture</b>	USA

# Packaging Details

<b>Unit Pack</b>	1 Piece
<b>Units / Box</b>	5 Pieces
<b>Shelf Life</b>	Not Applicable
<b>Warranty</b>	<a href="#">See CIVCORT website for Product Warranty Statement</a>
<b>Sterilization</b>	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 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

#### Global Sales Office

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