

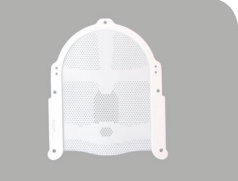
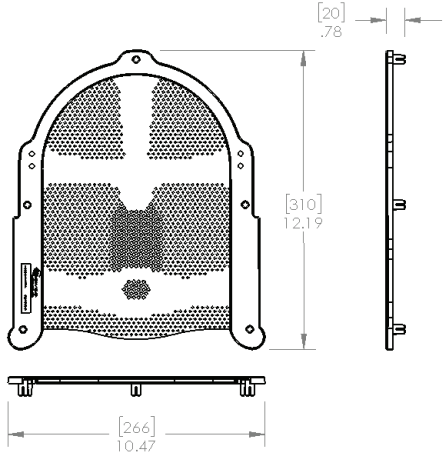

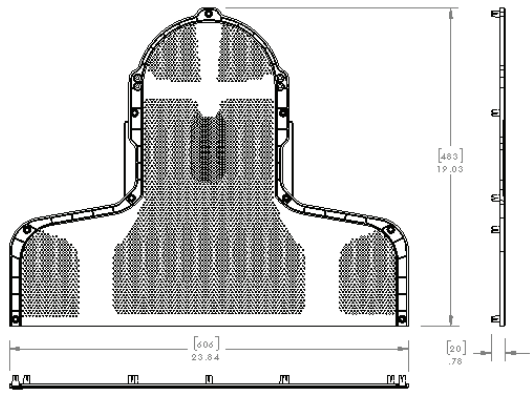
Standard White Thermoplastics

CIVCO Technical Data Sheet

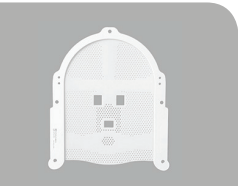
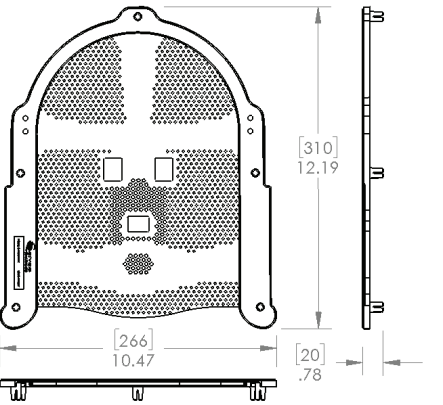
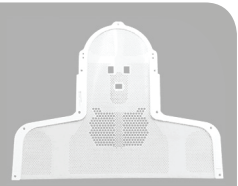
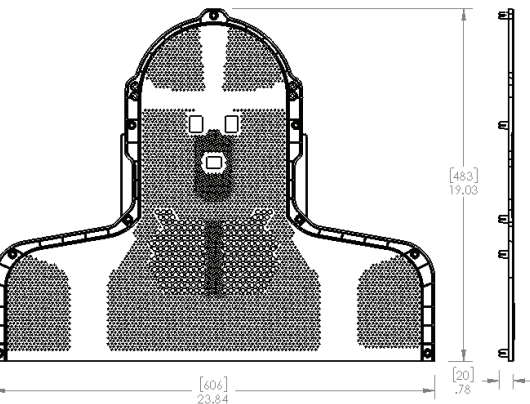
Standard White Thermoplastics feature standard perforation, combination of perforation and solid thermoplastic bands and other unique patterns that offer a more open feel yet maintain rigidity and reproducibility. These thermoplastics are available in a variety of lengths and thicknesses and are compatible with Type-S™ or Uni-frame® Patient Positioning Systems. For a full list of available thermoplastic part numbers, please visit www.civco.com.

Product Configuration

IMRT Reinforced™

<p>Type-S IMRT Reinforced Style 18 Head Only, 310 L x 266 W x 20 H (mm)</p> <p>MTAPUID1824 2.4 mm thickness 0.36 lbs (0.16 kg)</p> <p>MTAPUID1832 3.2 mm thickness 0.5 lbs (0.23 kg)</p>  	<p>Type-S IMRT Reinforced Style 27 Head, Neck & Shoulders, 483 L x 606 W x 20 H (mm)</p> <p>MTAPSID2724 2.4 mm thickness 1.08 lbs (0.49 kg)</p> <p>MTAPSID2732 3.2 mm thickness 1.2 lbs (0.54 kg)</p>  
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FreedomView™

<p>Type-S FreedomView IMRT Style 18 Head Only 0.5 lbs (0.23 kg) 310 L x 266 W x 20 H (mm)</p> <p>MTAPUID1832CL 3.2 mm thickness</p>  	<p>Type-S FreedomView IMRT Style 27 Head, Neck & Shoulders with Neck Relief 1.3 lbs (0.59 kg) 483 L x 606 W x 20 H (mm)</p> <p>MTAPSID27NR32CL 3.2 mm thickness</p>  
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Product Configuration (cont'd)

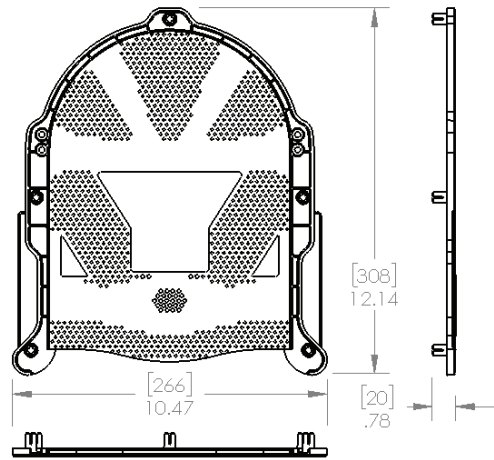
ClearVision™

Type-S ClearVision

Head Only
 0.5 lbs (0.23 kg)
 308 L x 266 W x 20 H (mm)

MTVRT20

3.2 mm thickness



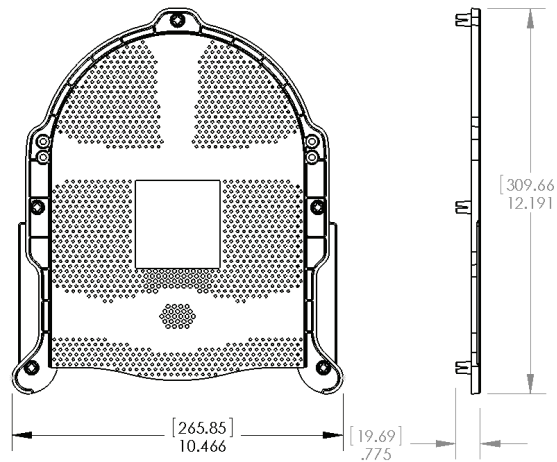
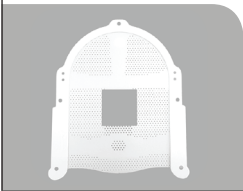
ClearVision 2

Type-S ClearVision 2

Head Only
 0.5 lbs (0.23 kg)
 310 L x 266 W x 20 H (mm)

MTAPUID1832SG

3.2 mm thickness

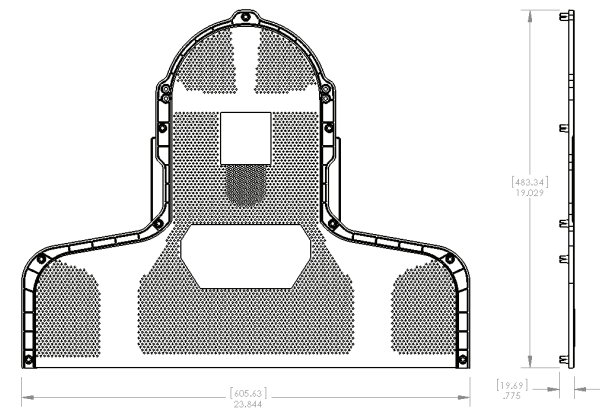
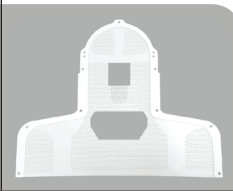


Type-S ClearVision 2

Head, Neck & Shoulders
 1.4 lbs (0.63 kg)
 483 L x 606 W x 20 H (mm)

MTAPSID2732SG

3.2 mm thickness



Product Configuration (cont'd)

Standard Perforation

Type-S Standard Perforation

Head Only

310 L x 266 W x 20 H (mm)

MTAPUD2.4

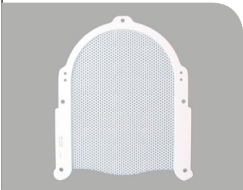
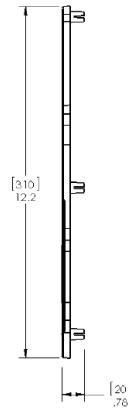
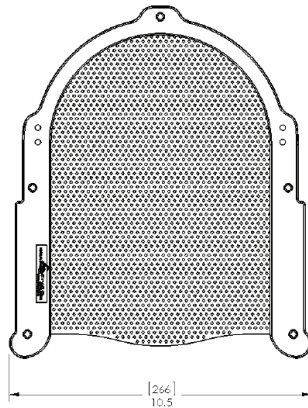
2.4 mm thickness

0.37 lbs (0.17 kg)

MTAPUD

3.2 mm thickness

0.45 lbs (0.20 kg)



Type-S Standard Perforation

Head, Neck & Shoulders

483 L x 606 W x 20 H (mm)

MTAPSD2.4

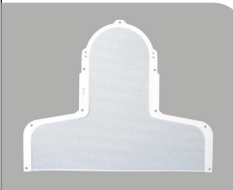
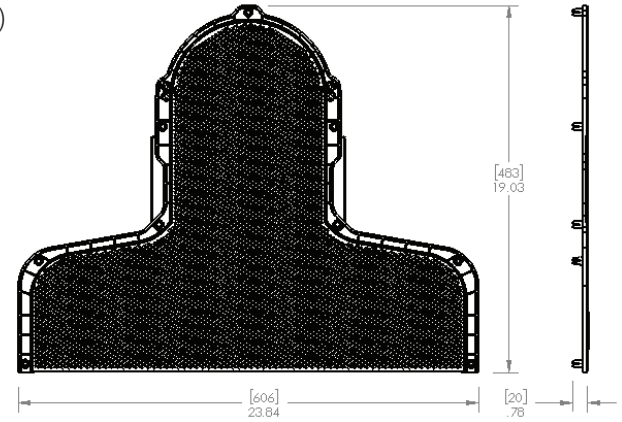
2.4 mm thickness

1.05 lbs (0.48 kg)

MTAPSD3.2

3.2 mm thickness

1.05 lbs (0.48 kg)



Technical Details

	2.4 Standard Perforation	3.2 Standard Perforation	2.4 IMRT Reinforced	3.2 IMRT Reinforced (includes FreedomView™, ClearVision™ and ClearVision 2)
Primary Materials	Polycaprolactone, White ABS	Polycaprolactone, White ABS	Polycaprolactone, White ABS	Polycaprolactone, White ABS
Activation temperature (water bath)	75° C / 165° F	75° C / 165° F	75° C / 165° F	75° C / 165° F
Activation time (water bath)	4 min (Head-only) 6 min (H, N & S)	4 min (Head-only) 6 min (H, N & S)	5 min (Head-only) 7 – 9 min (H, N & S)	5 min (Head-only) 7 – 9 min (H, N & S)
Attenuation (Unstretched Mask)**	6MV: 0.53% 18MV: 0.03%	6MV: 0.72% 18MV: 0.12%	6MV: 0.81% (solid region) 18MV: 0.21% (solid region)	6MV: 1.09% (solid region) 18MV: 0.21% (solid region)
Thickness	2.4 mm (.094)	3.2 mm (.125)	2.4 mm (.094)	3.2 mm (.125)
Perforation (surface)	38% (Standard)	38% (Standard)	Varies (IMRT Pattern)	Varies (IMRT Pattern)
Density	1.145 g/cm ³	1.145 g/cm ³	1.145 g/cm ³	1.145 g/cm ³
Surface feeling	Smooth	Smooth	Smooth	Smooth
Color	White	White	White	White
Odor	None	None	None	None
Biocompatible	Yes	Yes	Yes	Yes
Transparent when activated	Yes	Yes	Yes	Yes
Molding time (maximum)*^a	1 min 15 sec	1 min 30 sec	1 min 30 sec	1 min 30 sec
Hardening time*^b	8 min 45 sec	8 min 30 sec	8 min 30 sec	8 min 30 sec
Time to completion (minimum)* ^c	10 min	10 min	10 min	10 min

Product Details

Indications for use	Head & Neck Immobilization
Contraindications	None
MRI Compatible	MR Safe
Integration	Connects to Universal Couchtop™ and Baseplates with Type-S™ or Uni-frame® 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	N/A
Warranty	See CIVCORT website for Product Warranty Statement
Sterilization	Non-Sterile

Test Procedures used to Acquire Data

Definitions*

- a. **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.
- b. **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.
- c. **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.

Attenuation Test Conditions**

- a. 100 cm SAD
- b. 10 x 10 cm Field Size
- c. 6 MV Dmax = 1.5 cm
18 MV Dmax = 3.0 cm