

Standard White Thermoplastics

CIVCO RT 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.civcort.com.

Product Configuration

Type-S™ IMRT Reinforced™

Type-S IMRT Reinforced Style 18

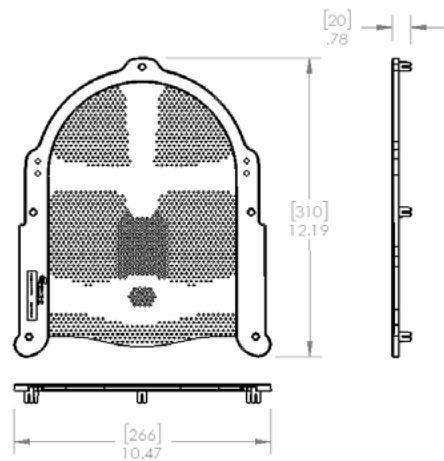
Head Only, 310 L x 266 W x 20 H (mm)

MTAPUID1824

2.4 mm thickness
0.36 lbs (0.16 kg)

MTAPUID1832

3.2 mm thickness
0.5 lbs (0.23 kg)



Type-S IMRT Reinforced Style 27

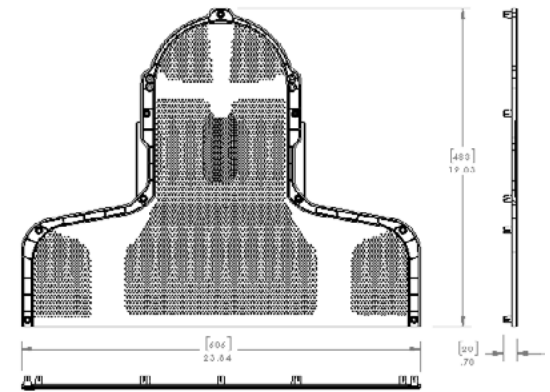
Head, Neck & Shoulders, 483 L x 606 W x 20 H (mm)

MTAPSID2724

2.4 mm thickness
1.08 lbs (0.49 kg)

MTAPSID2732

3.2 mm thickness
1.2 lbs (0.54 kg)



Uni-frame® IMRT Reinforced

Uni-frame IMRT Reinforced Style 18

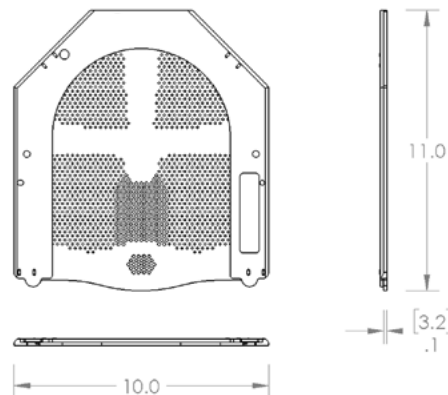
Head Only, 279 L x 254 W (mm)

MTAPUI1824

2.4 mm thickness
0.55 lbs (0.25 kg)

MTAPUI1832

3.2 mm thickness
0.55 lbs (0.25 kg)



Product Configuration (cont'd)

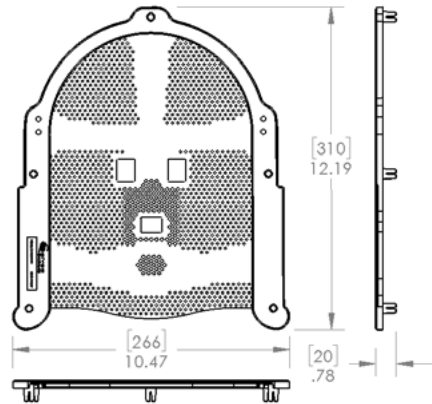
Type-S™ FreedomView™

Type-S FreedomView IMRT Style 18

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

MTAPUID1832CL

3.2 mm thickness

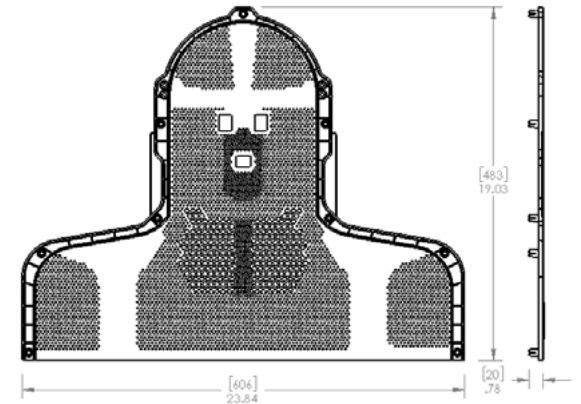
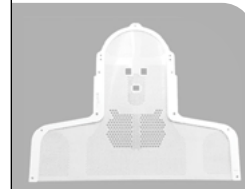


Type-S FreedomView IMRT Style 27

Head, Neck & Shoulders with Neck Relief
 1.3 lbs (0.59 kg)
 483 L x 606 W x 20 H (mm)

MTAPSID27NR32CL

3.2 mm thickness



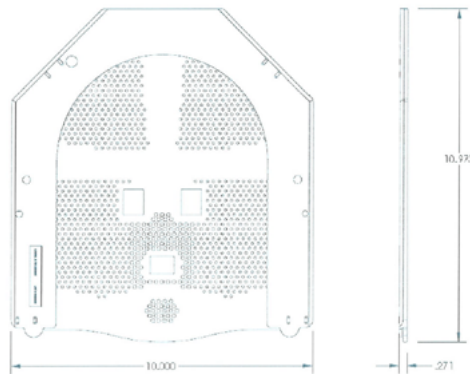
Uni-frame® FreedomView

Uni-frame IMRT FreedomView IMRT Style 18

Head Only
 0.55 lbs (0.25 kg)
 279 L x 254 W x 7 H (mm)

MTAPUI1832CL

3.2 mm thickness

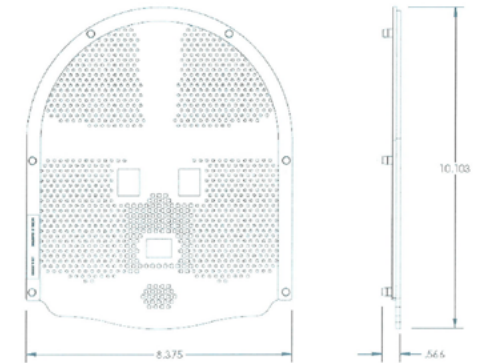


Uni-frame IMRT FreedomView IMRT Style 18

Head Only
 0.4 lbs (0.18 kg)
 279 L x 254 W x 14 H (mm)

MTAPUIR1832CL, Reloadable

3.2 mm thickness



Product Configuration (cont'd)

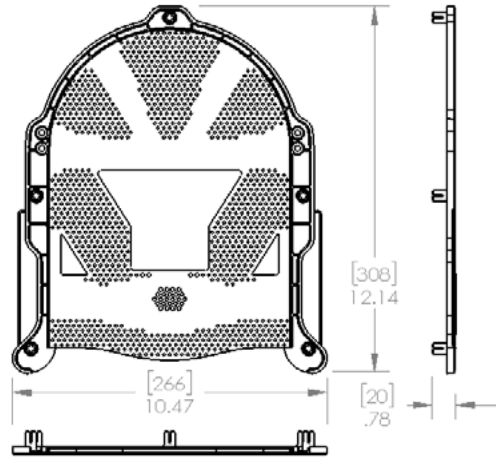
Type-S™ ClearVision™

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



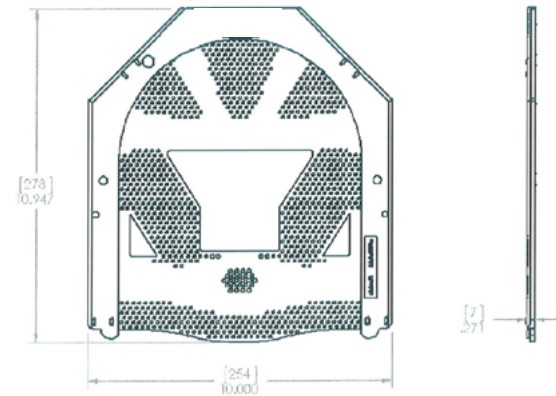
Uni-frame® ClearVision

Uni-frame ClearVision

Head Only, Wide
 0.3 lbs (0.15 kg)
 278 L x 254 W x 7 H (mm)

MTVRTW

3.2 mm thickness



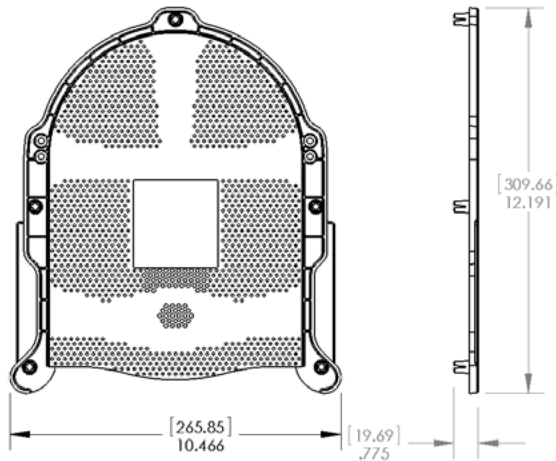
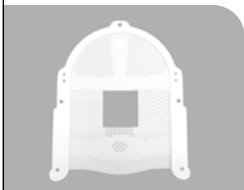
Type-S ClearVision 2

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

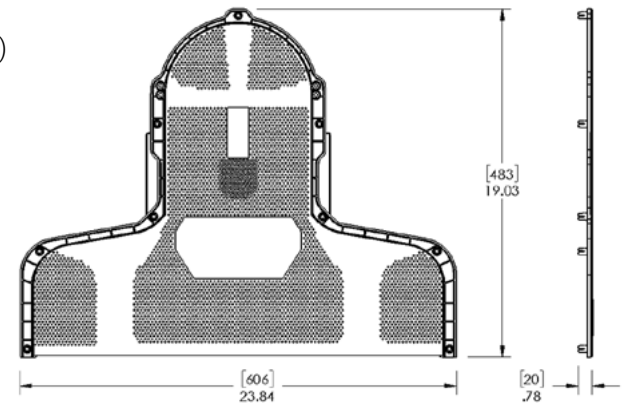
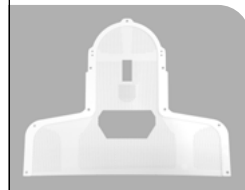


Type-S ClearVision 2

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)

Type-S™ Standard Perforation

Type-S Standard Perforation

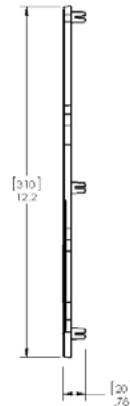
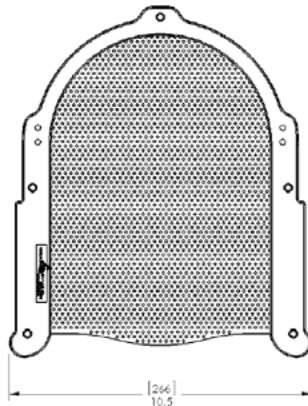
Head Only
310 L x 266 W x 20 H (mm)

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

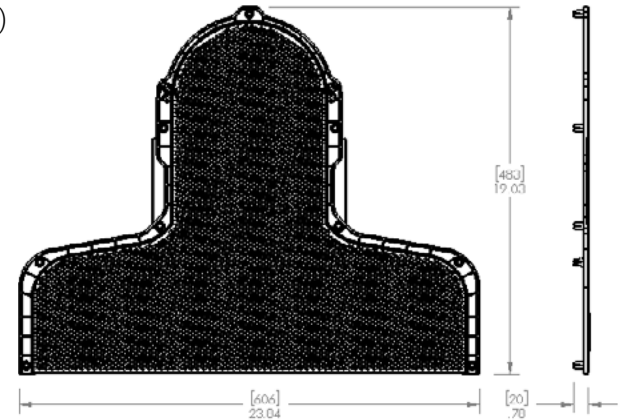
Head, Neck & Shoulders
483 L x 606 W x 20 H (mm)

MTAPSD2.4

2.4 mm thickness
1.05 lbs (0.48 kg)

MTAPSD3.2

3.2 mm thickness
1.05 lbs (0.48 kg)



Uni-frame® Standard Perforation

Uni-frame Standard Perforation

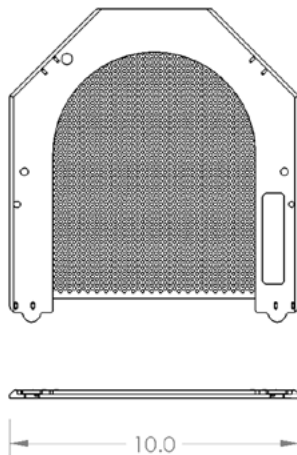
Head Only
275 L x 254 W x 7 H (mm)

MTAPU2.4

2.4 mm thickness
0.3 lbs (0.15 kg)

MTAPU

3.2 mm thickness
0.5 lbs (0.23 kg)



Uni-frame Standard Perforation

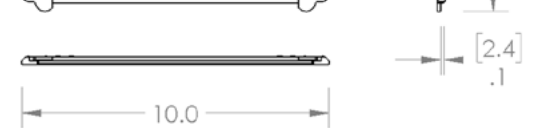
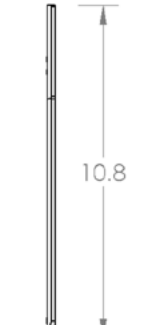
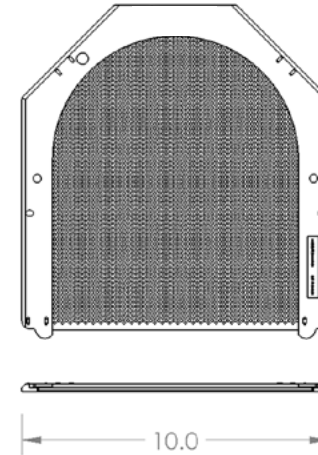
Head Only Wide
275 L x 254 W x 7 H (mm)

MTAPUW2.4

2.4 mm thickness
0.35 lbs (0.16 kg)

MTAPUW

3.2 mm thickness
0.37 lbs (0.17 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	
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	
	Waterbath	Dry Heat Oven	Waterbath	Dry Heat Oven	Waterbath	Dry Heat Oven	Waterbath	Dry Heat Oven
Activation temperature	75° C / 165° F	75° C / 165° F	75° C / 165° F	75° C / 165° F	75° C / 165° F	75° C / 165° F	75° C / 165° F	75° C / 165° F
Activation time	4 min (Head-only) 6 min (H, N & S)	4–7 min (Head-only) 4–8 min (H, N & S)	4 min (Head-only) 6 min (H, N & S)	4–7 min (Head-only) 4–8 min (H, N & S)	5 min (Head-only) 7–9 min (H, N & S)	8–11 min (Head-only and H, N & S)	5 min (Head-only) 7–9 min (H, N & S)	8–11 min (Head-only and H, N & S)
Molding time (maximum)*^a	1 min 15 sec	N/A	1 min 30 sec	N/A	1 min 30 sec	N/A	1 min 30 sec	N/A
Hardening time*^b	8 min 45 sec	N/A	8 min 30 sec	N/A	8 min 30 sec	N/A	8 min 30 sec	N/A
Time to completion (minimum)*^c	10 min	10 min	10 min	10 min	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 CIVCO RT 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.

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

Orange City, Iowa, USA
800.842.8688 | +1 712.737.8688

info@CivcoRT.com
www.CivcoRT.com