

Posicast® Thermoplastics

CIVCO RT Technical Data Sheet

Posicast Thermoplastics are designed to drape over the patient and feature different spray coatings in Lite and Plus styles. These thermoplastics are compatible with the Posifix® Patient Positioning Systems. For a full list of available thermoplastic part numbers, please visit www.civco.com.

Product Configuration

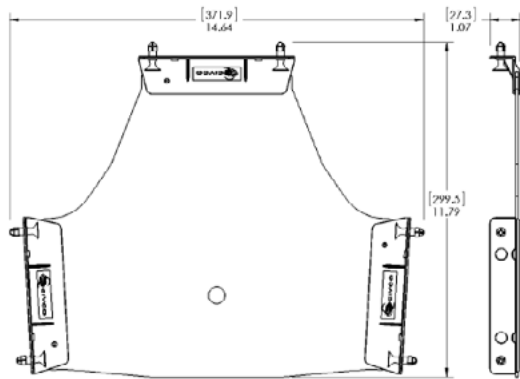
Posicast-Lite

Posicast-Lite PR3

Head Only (3 pt)
0.5 lbs (0.23 kg)
299 L x 372 W x 27 H (mm)

772030

2.3 mm thickness

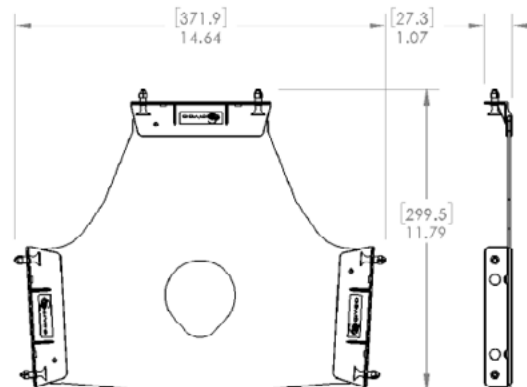


Posicast-Lite PR31

Head Only with Open-face (3 pt)
0.5 lbs (0.23 kg)
299 L x 372 W x 27 H (mm)

970031

2.3 mm thickness

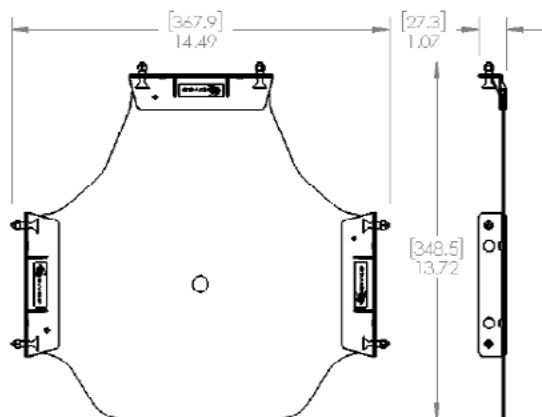


Posicast-Lite PR44

Head Only with Larynx Extension (3 pt)
0.6 lbs (0.27 kg)
348 L x 368 W x 27 H (mm)

772044

2.3 mm thickness

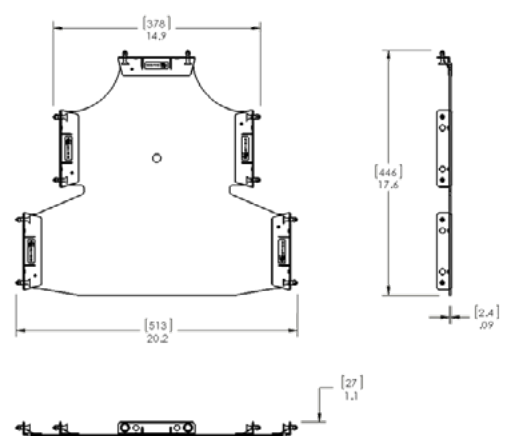
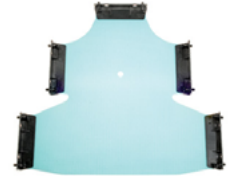


Posicast-Lite PR5

Head, Neck & Shoulders (5 pt)
0.91 lbs (0.41 kg)
446 L x 513 W x 27 H (mm)

772145

2.3 mm thickness



Posicast®-Lite

Posicast-Lite Chin Strap Thermoplastic

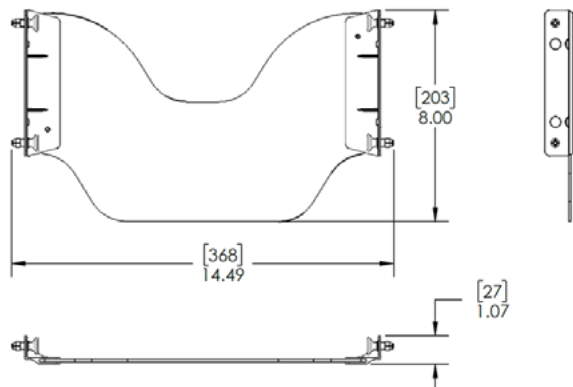
0.55 lbs (0.23 kg)

203 L x 368 W x 27 H (mm)



772021

2.3 mm thickness



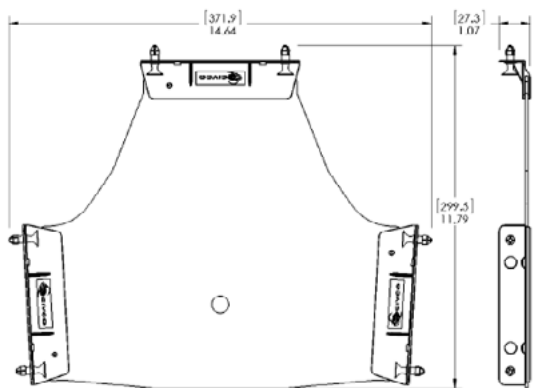
Posicast®-Plus

Posicast-Plus PR3

Head Only (3 pt)
0.5 lbs (0.23 kg)
299 L x 372 W x 27 H (mm)

930030

2.3 mm thickness

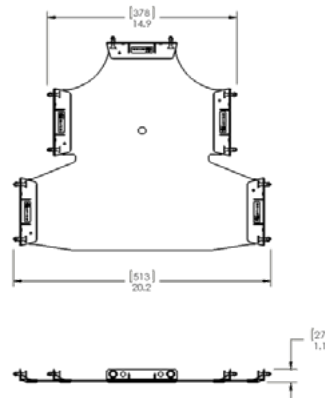
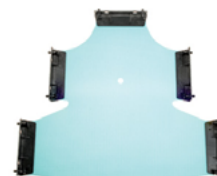


Posicast-Plus PR5

Head, Neck & Shoulders (5 pt)
1.0 lbs (0.45 kg)
446 L x 513 W x 27 H (mm)

930145

2.3 mm thickness

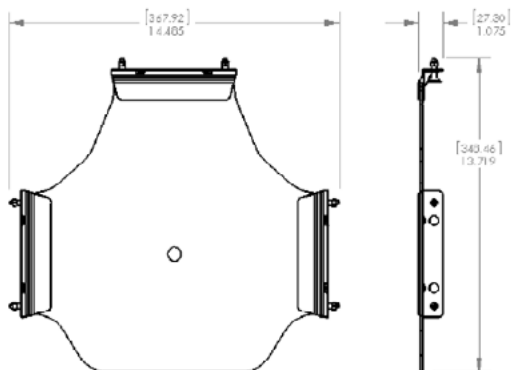


Posicast-Plus PR44

Head Only (3 pt) with Larynx Extension
0.6 lbs (0.27 kg)
348 L x 368 W x 27 H (mm)

930044

2.3 mm thickness

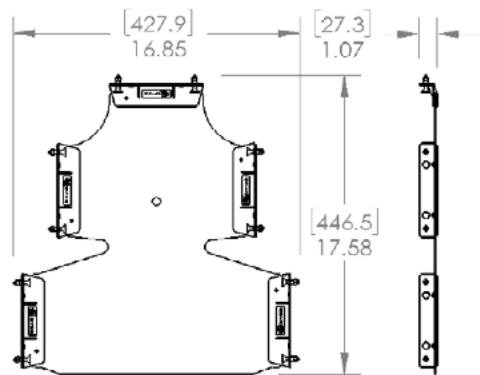


Posicast-Plus PR55, Pediatric

Head, Neck & Shoulders (5 pt)
0.85 lbs (0.39 kg)
446 L x 428 W x 27 H

930055

2.3 mm thickness

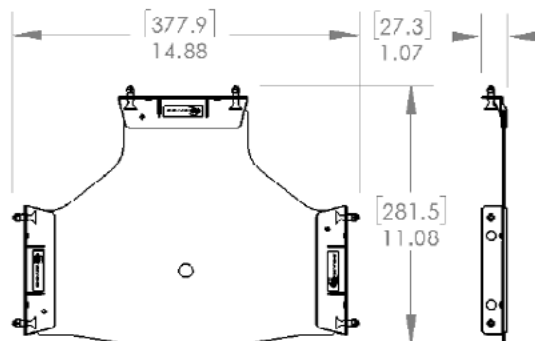


Posicast-Plus PR33, Pediatric

Head Only (3 pt)
0.55 lbs (0.25 kg)
281 L x 378 W x 27 H

930033

2.3 mm thickness



Technical Details

	Posicast®-Plus (Head-Only and H, N & S)		Posicast-Lite (Head-Only and H, N & S)	
Primary Materials	Polycaprolactone Black Nylon Black ABS Polycarbonate		Polycaprolactone Black Nylon Black ABS Polycarbonate	
Attenuation (Unstretched Mask)**	6MV: 0.65% 18MV: 0.21%		6MV: 0.65% 18MV: 0.12%	
Thickness	2.3 mm (.090)		2.3 mm (.090)	
Perforation (surface)	5%		5%	
Density	1.145 g/cm ³		1.145 g/cm ³	
Surface feeling	Smooth & Soft		Smooth	
Color	Green		Green	
Odor	None		None	
Biocompatible	Yes		Yes	
Transparent when activated	No		No	
	Waterbath	Dry Heat Oven	Waterbath	Dry Heat Oven:
Activation temperature	70° C / 158° F	75° C / 165° F	70° C / 158° F	75° C / 165° F
Activation time	1 min	5–9 min	1 min	5–9 min
Molding time (maximum)*^a	1 min 40 sec	N/A	1 min 15 sec	N/A
Hardening time*^b	8 min 20 sec	N/A	8 min 45 sec	N/A
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 Posifix® 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	10 Pieces
Shelf Life	Not Applicable
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

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