

Universal Couchtop™ Long Extension

TECHNICAL DATA SHEET

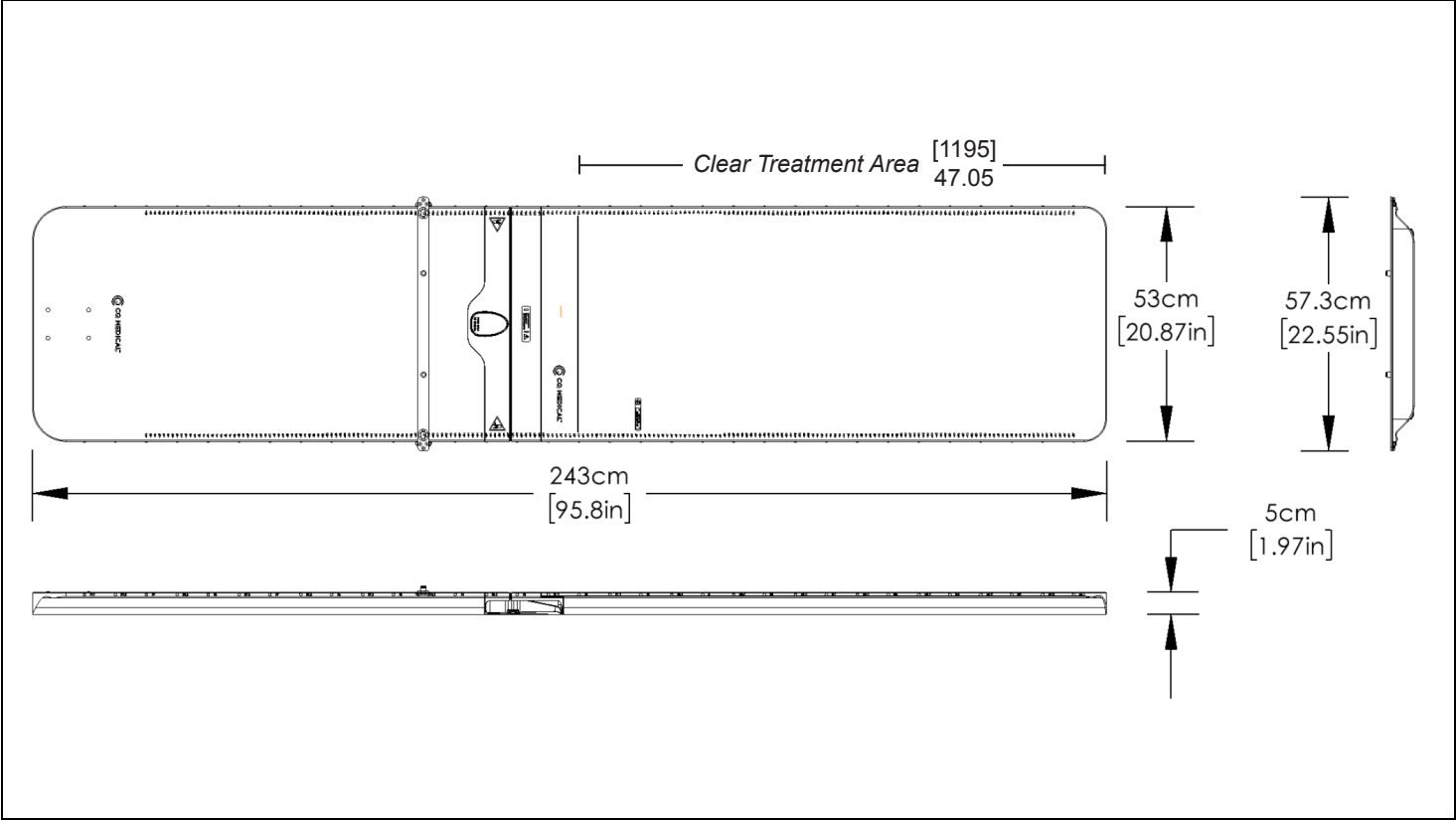


PRODUCT NAME	Universal Couchtop Long Extension (UCT LE)	
PRODUCT NUMBERS	<p>CT: GE VCT 2000: MTIL6343 GE VCT 1700: MTIL6343 GE Discovery ST: MTIL6341 GE HiSpeed: MTIL6341 Phillips Brilliance: MTIL6440 Siemens Biograph mCT: MTIL6049 Siemens Definition PHS 4: MTIL6046 Siemens Definition MPT: MTIL6045 Siemens Definition PHS 1A/B: MTIL6044 Siemens Somatom go./X.cite/X.ceed Vario 2: MTIL6048 Siemens Somatom go./X.cite/X.ceed VarioRT: MTIL6047 Canon Aquilion: MTIL6540 Canon Aquilion One /Cartesion Prime: MTIL6541</p> <p>LINAC: Siemens TXT: MTIL6040 Siemens ZXT: MTIL6041 Elekta: MTIL6240 Protura™ on Varian: MTIL6141 Varian Exact: MTIL6140 Varian Truebeam™: See Universal Couchtop LE on TrueBeam Technical Data Sheet</p> <p>PROTON: IBA F-Series: MTIL6840 IBA L-Series: MTIL6841</p>	
COMPATIBLE EXTENSIONS	HEAD & NECK:	RECTANGULAR:
	MTIL6664 MTIL6670 MTIL6665 MTIL6671 MTIL6666 MTIL6672 MTIL6668 MTIL6682	MTIL6660 MTIL6667 MTIL6684 MTIL6661 MTIL6669 MTIL6662 MTIL6673 MTIL6663 MTIL6676
GENERAL DESCRIPTION	<p>The Universal Couchtop Long Extension is a strong and lightweight couchtop with low attenuation and surface dose. It utilizes 7 cm indexing with extension options to treat many disease sites.</p>	

PRODUCT NAME	Universal Couchtop Long Extension (UCT LE)
INTENDED USE	<p>MTIL6040, MTIL6041, MTIL6044, MTIL6045, MTIL6046, MTIL6140, MTIL6141, MTIL6240, MTIL6341, MTIL6343, MTIL6440, MTIL6540, MTIL6541, MTIL6662, MTIL6663: The device is intended to support and aid in positioning a patient during radiologic and other medical procedures.</p> <p>MTIL6664, MTIL6665, MTIL6666, MTIL6668, MTIL6670, MTIL6671, MTIL6672, MTIL6682: 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.</p> <p>MTIL6047, MTIL6048, MTIL6660, MTIL6661, MTIL6667, MTIL6669, MTIL6673, MTIL6676, MTIL6684, MTIL6840, MTIL6841: The device is indicated to aid in supporting and positioning adult and pediatric patients undergoing radiation therapy including electron, photon, and proton treatments. The device is also used during image acquisition to support treatment planning.</p>
INTEGRATION	Not Applicable
FDA CLEARANCE	Yes
CE MARKED (EU DOC)	Yes
OTHER COUNTRY REGISTRATIONS	Available upon request
COUNTRY OF MANUFACTURE	USA

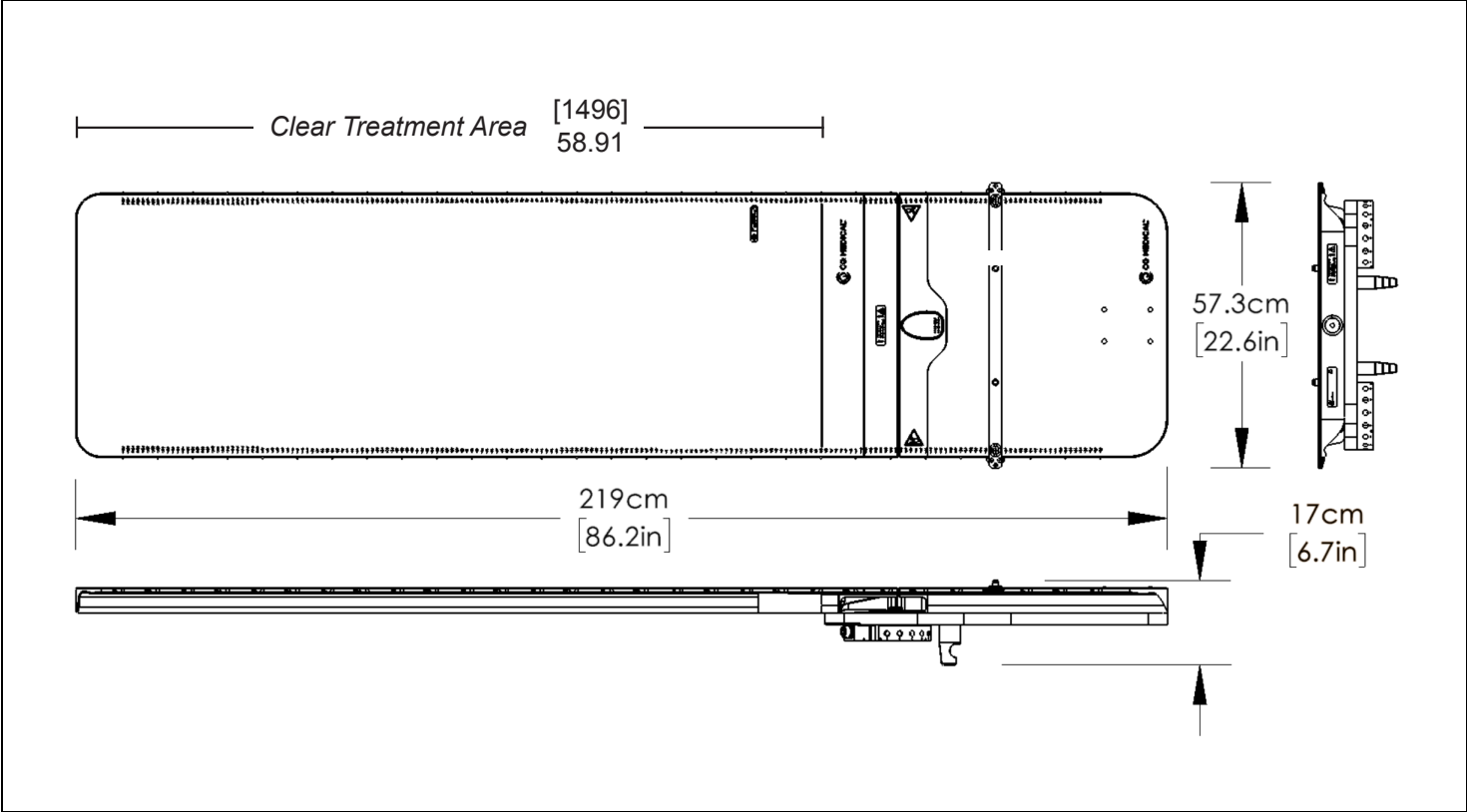
TECHNICAL DETAILS

COMPONENT	MTIL6040 (Base + MTIL6660)
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum Acetal
WEIGHT (APPROX)	16.33 kg (36 lbs)
DIMENSIONS (CM)	243 L x 53 W x 5 H (min.)
TECHNICAL DRAWING	



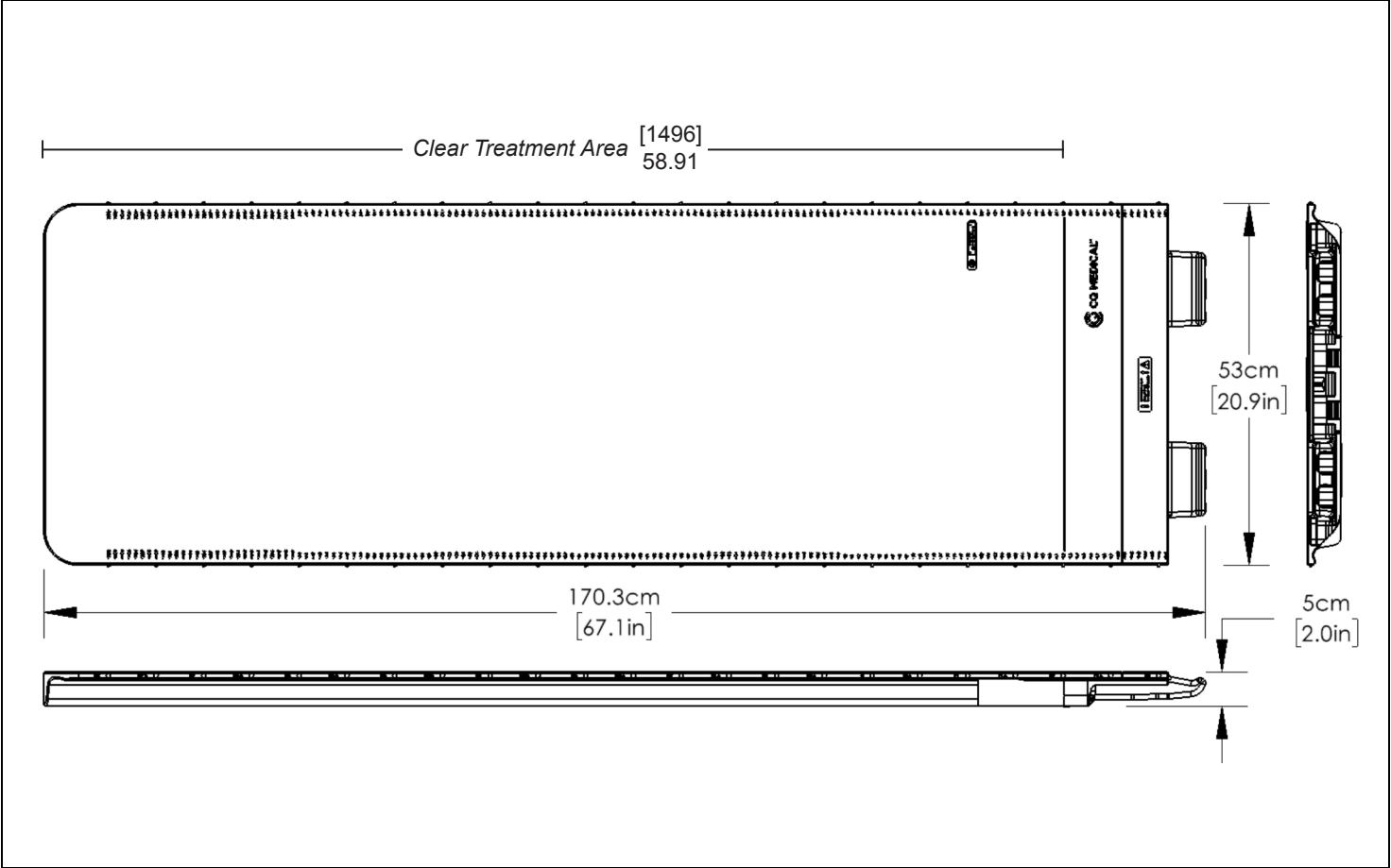
TECHNICAL DETAILS

COMPONENT	MTIL6840 (Base + MTIL6673, UCT LE for IBA, F-Series)
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum Acetal
WEIGHT (APPROX)	39.0 kg (86 lbs)
DIMENSIONS (CM)	219 L x 57.3 W x 17 H (min.)
TECHNICAL DRAWING	



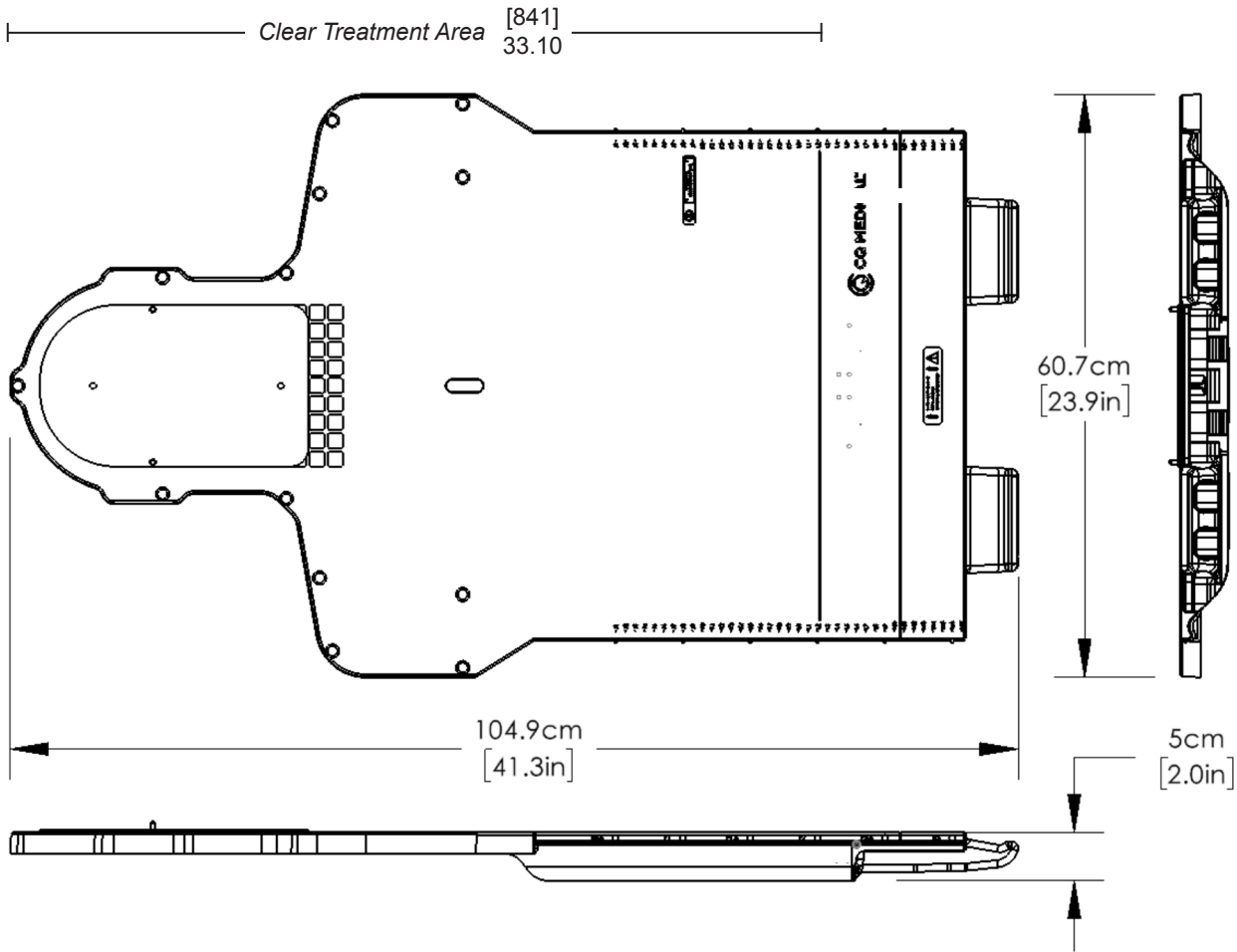
TECHNICAL DETAILS

COMPONENT	MTIL6841 (Base + MTIL6673, UCT LE for IBA, L-Series)
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum Acetal
WEIGHT (APPROX)	34.7 kg (76.5 lbs)
DIMENSIONS (CM)	219 L x 53 W x 7.5 H
TECHNICAL DRAWING	



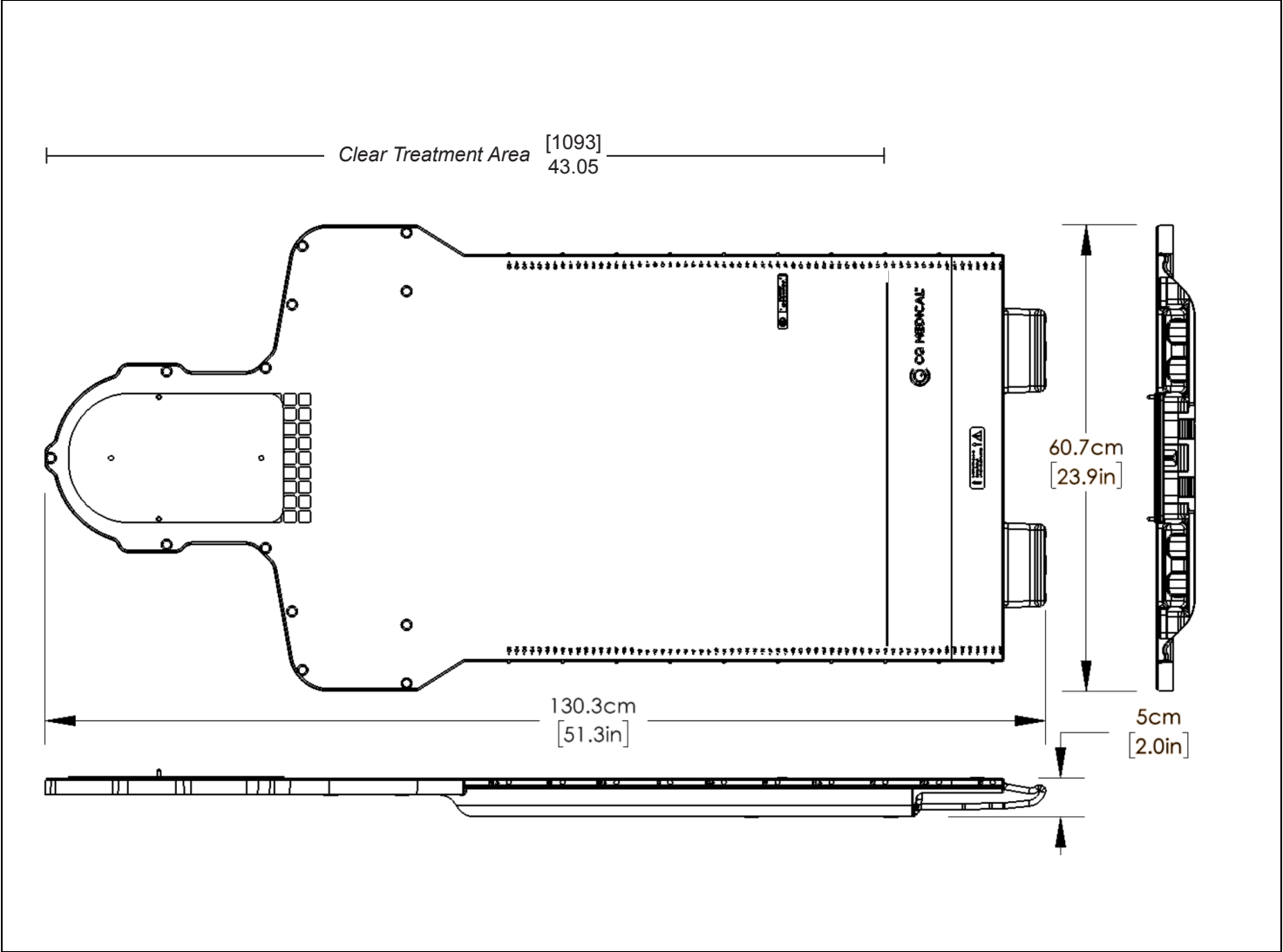
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6665 Type-S™ Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	6.8 kg (15 lbs)
DIMENSIONS (CM)	104.9 L x 60.7 W x 5 H
TECHNICAL DRAWING	



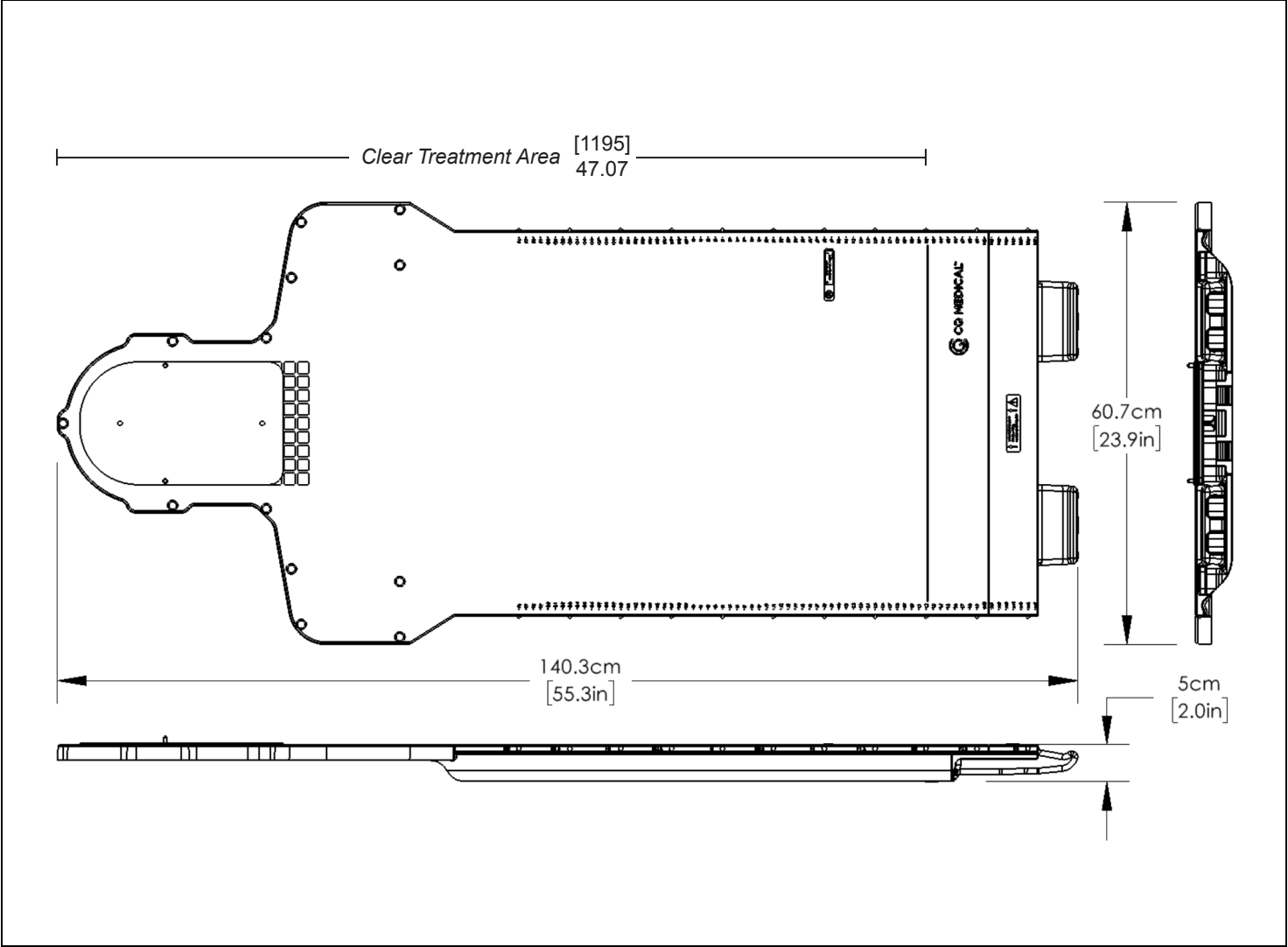
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6670 Type-S™ Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	7.3 kg (16 lbs)
DIMENSIONS (CM)	130.3 L x 60.7 W x 5 H
TECHNICAL DRAWING	



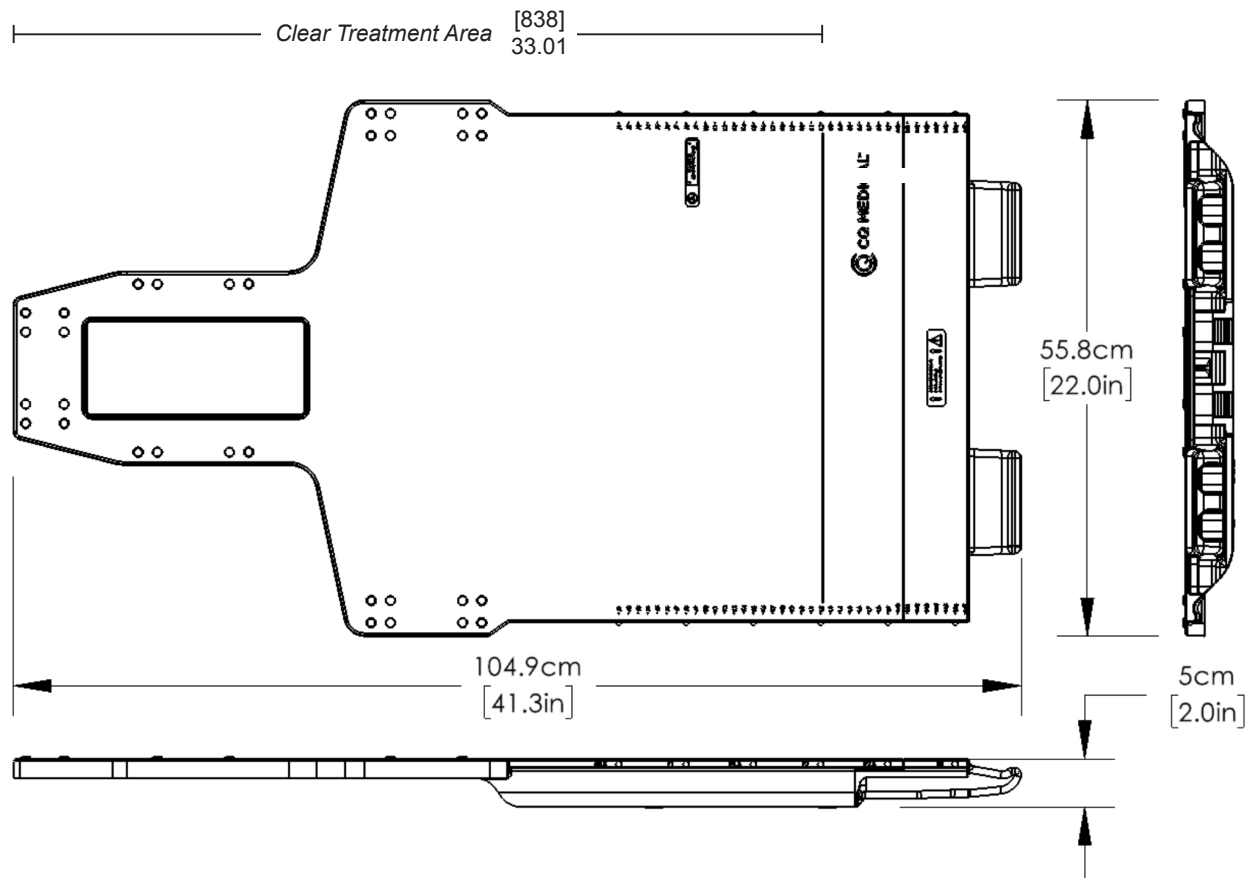
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6664 Type-S™ Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	7.3 kg (16 lbs)
DIMENSIONS (CM)	140.3 L x 60.7 W x 5 H
TECHNICAL DRAWING	



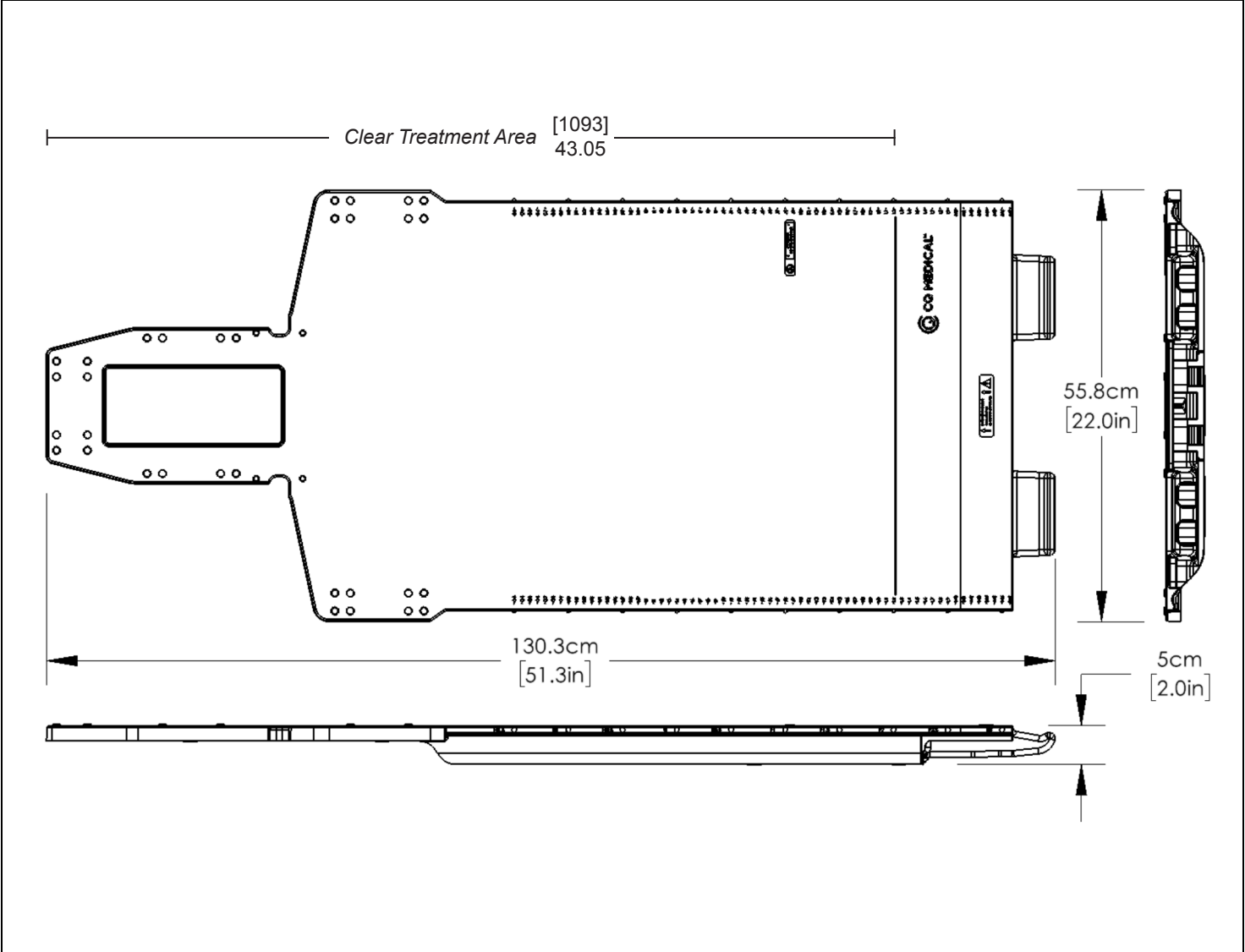
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6666 Posifix® Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	6.8 kg (15 lbs)
DIMENSIONS (CM)	104.9 L x 55.8 W x 5 H
TECHNICAL DRAWING	



TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6671 Posifix® Extension with trUpoint ARCH™ Compatibility
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	6.8 kg (15 lbs)
DIMENSIONS (CM)	130.3 L x 55.8 W x 5 H (min.)
TECHNICAL DRAWING	

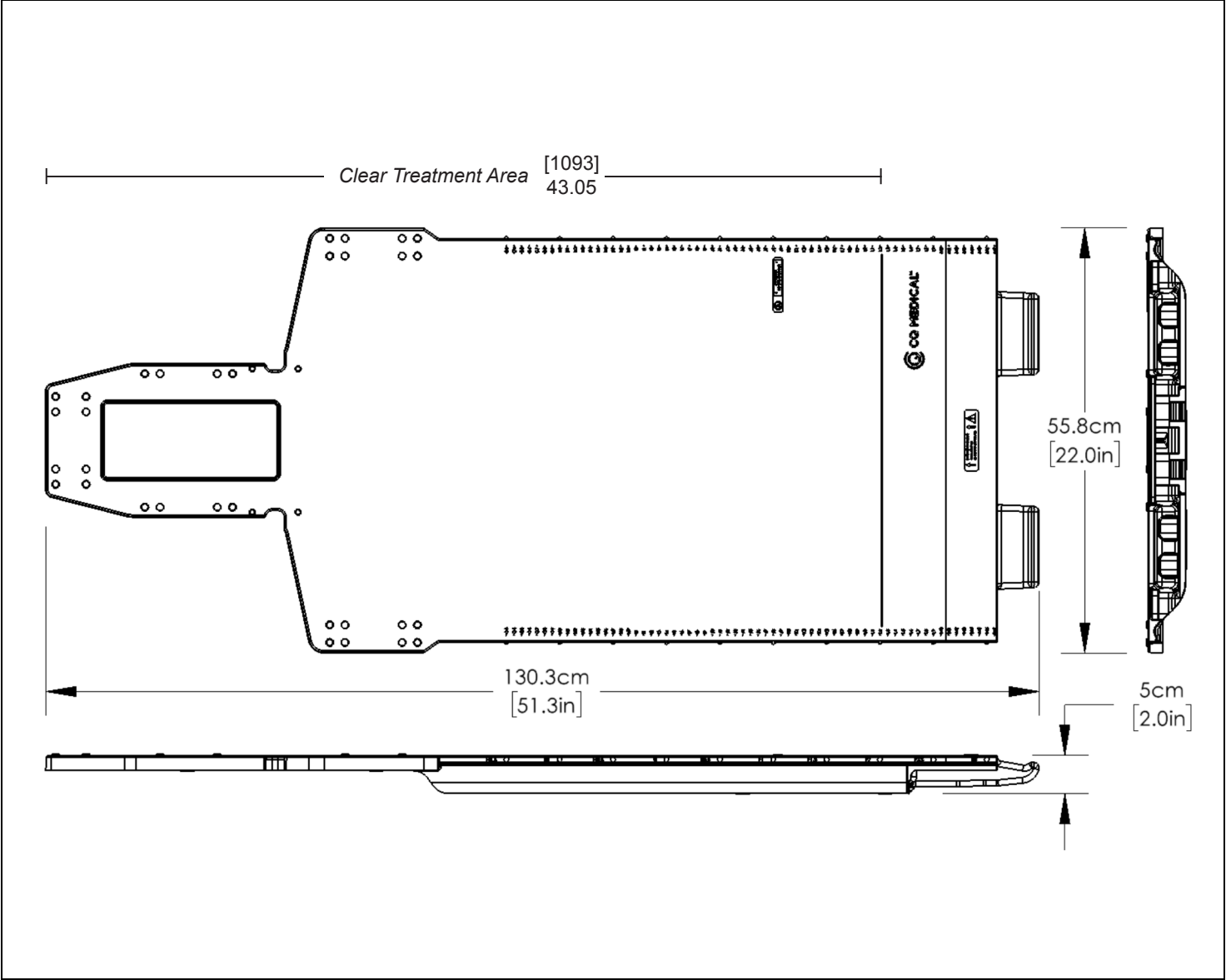


TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6672 Posifix® Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	6.8 kg (15 lbs)
DIMENSIONS (CM)	130.3 L x 55.8 W x 5 H (min.)
TECHNICAL DRAWING	
<p>The technical drawing illustrates the MTIL6672 Posifix® Extension from three perspectives: top, side, and front. The top view shows a rectangular unit with a cutout on the left side. A dimension line at the top indicates a 'Clear Treatment Area' of 1093 mm (43.05 in). The overall length is 130.3 cm (51.3 in). The side view shows the unit's profile with a height of 55.8 cm (22.0 in). The front view shows the unit's depth, which is 5 cm (2.0 in). The unit features a 'CQ MEDICAL' logo and a warning symbol. The drawing also shows various mounting holes and a textured surface on the main body.</p>	

TECHNICAL DETAILS - EXTENSIONS

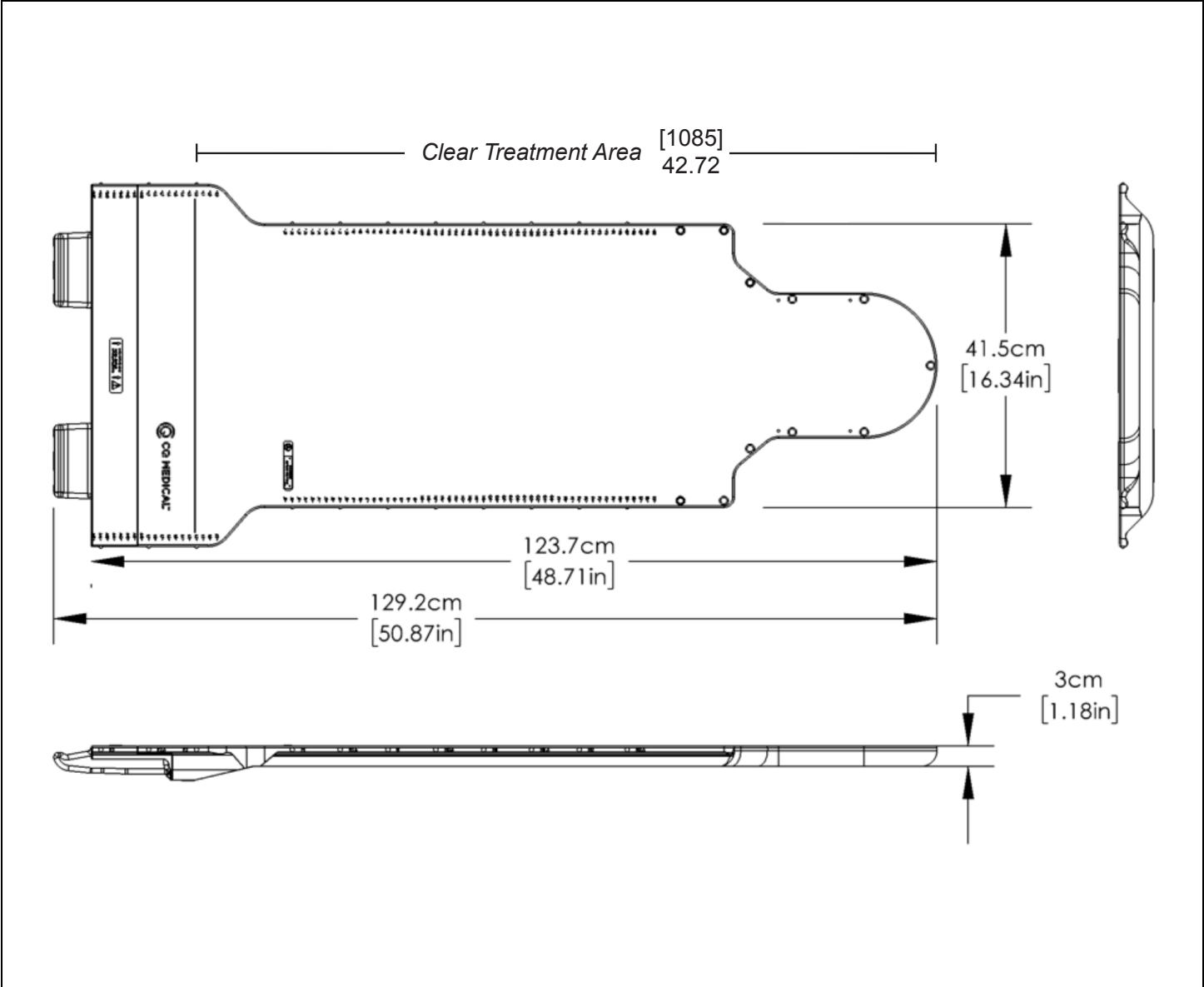
COMPONENT	MTIL6671 Posifix® Extension with trUpoint ARCH™ Compatibility
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	6.8 kg (15 lbs)
DIMENSIONS (MM)	130.3 L x 55.8 W x 5 H
TECHNICAL DRAWING	



TECHNICAL DETAILS - EXTENSIONS

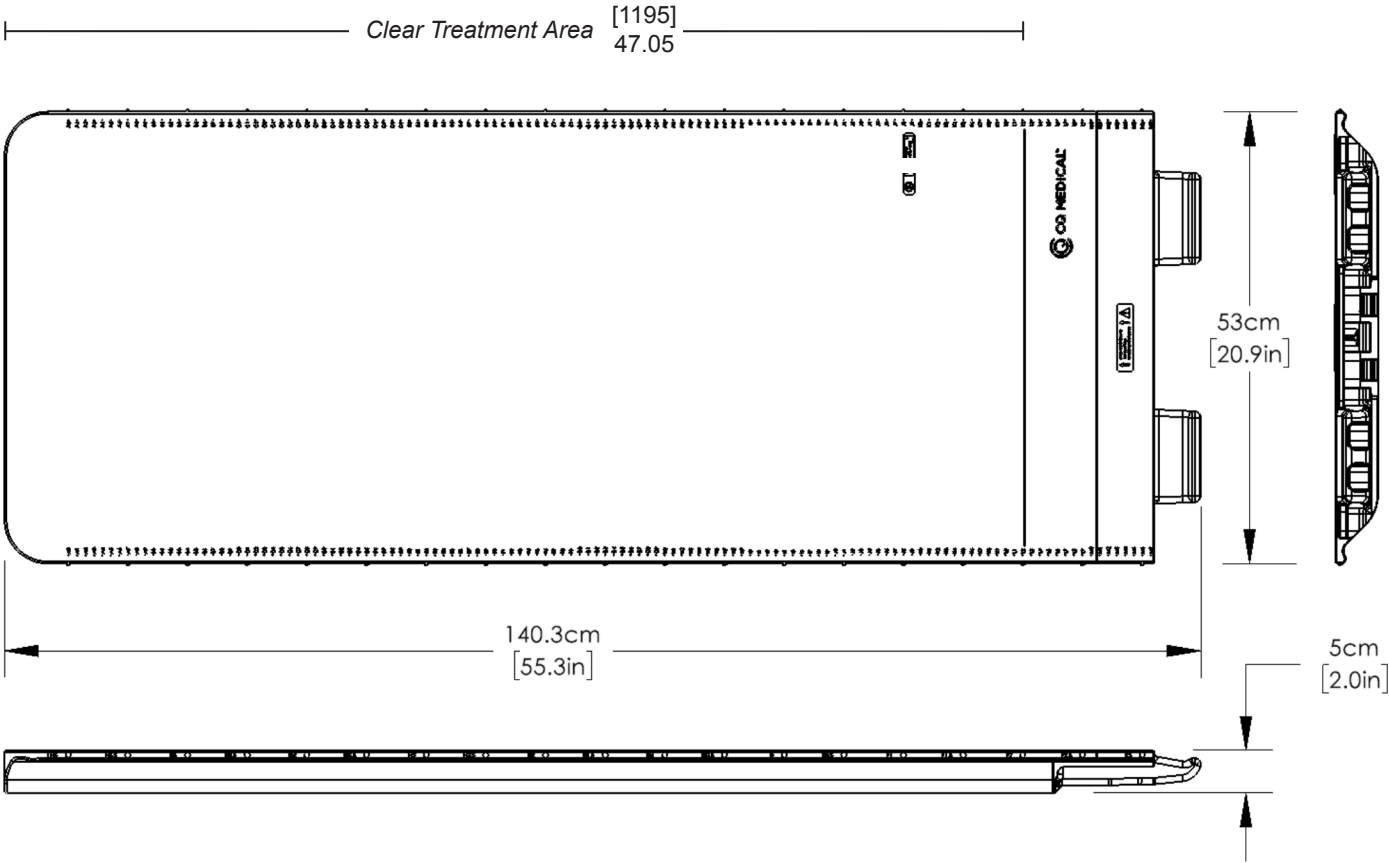
COMPONENT	MTIL6682K Pediatric ProForm™ Head & Neck Extension, Universal Couchtop (includes cushion guide and patient handles)
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	5.9 kg (13 lbs)
WORKING LOAD	84 kg (185 lbs)
DIMENSIONS (CM)	123.7 L x 41.5 W x 3 H 129.2 L x 53 W x 3 H

TECHNICAL DRAWING



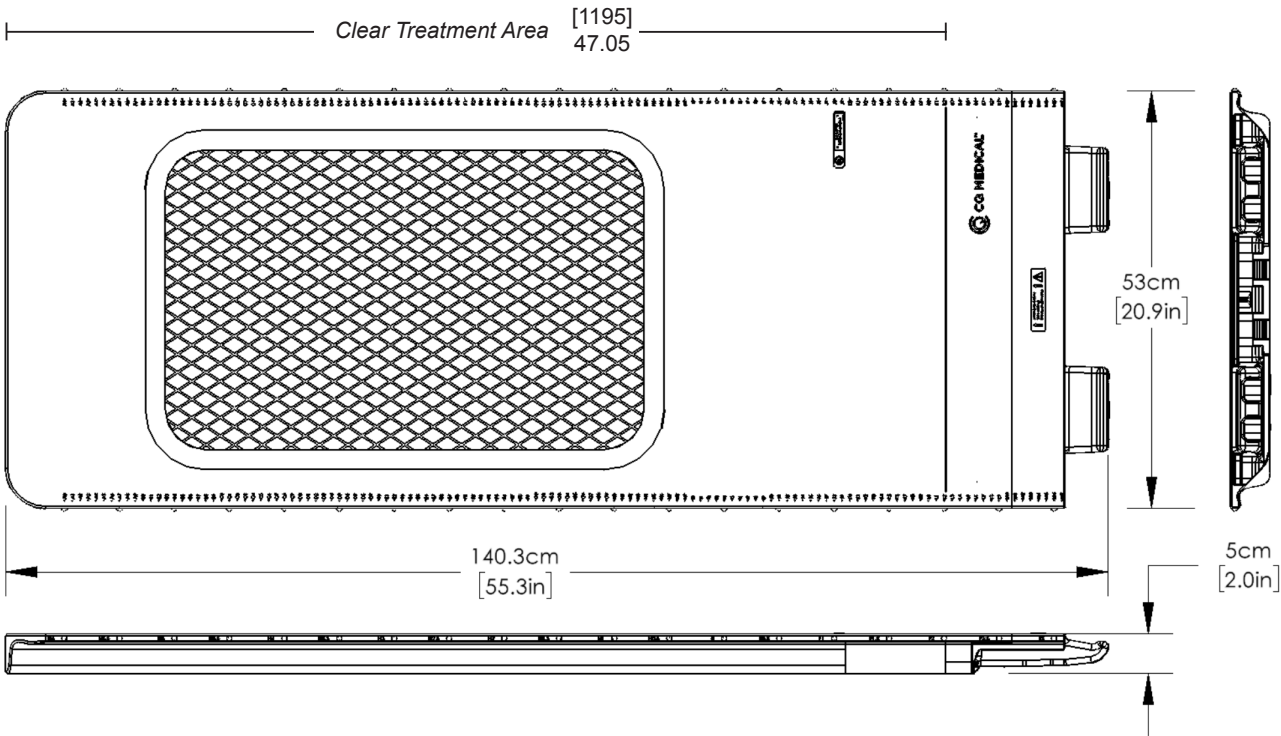
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6660 / MTIL6661 Rectangular Extension / Rectangular Extension with Embedded Wire
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	7.71 kg (17 lbs)
DIMENSIONS (CM)	140.3 L x 53 W x 5 H
TECHNICAL DRAWING	



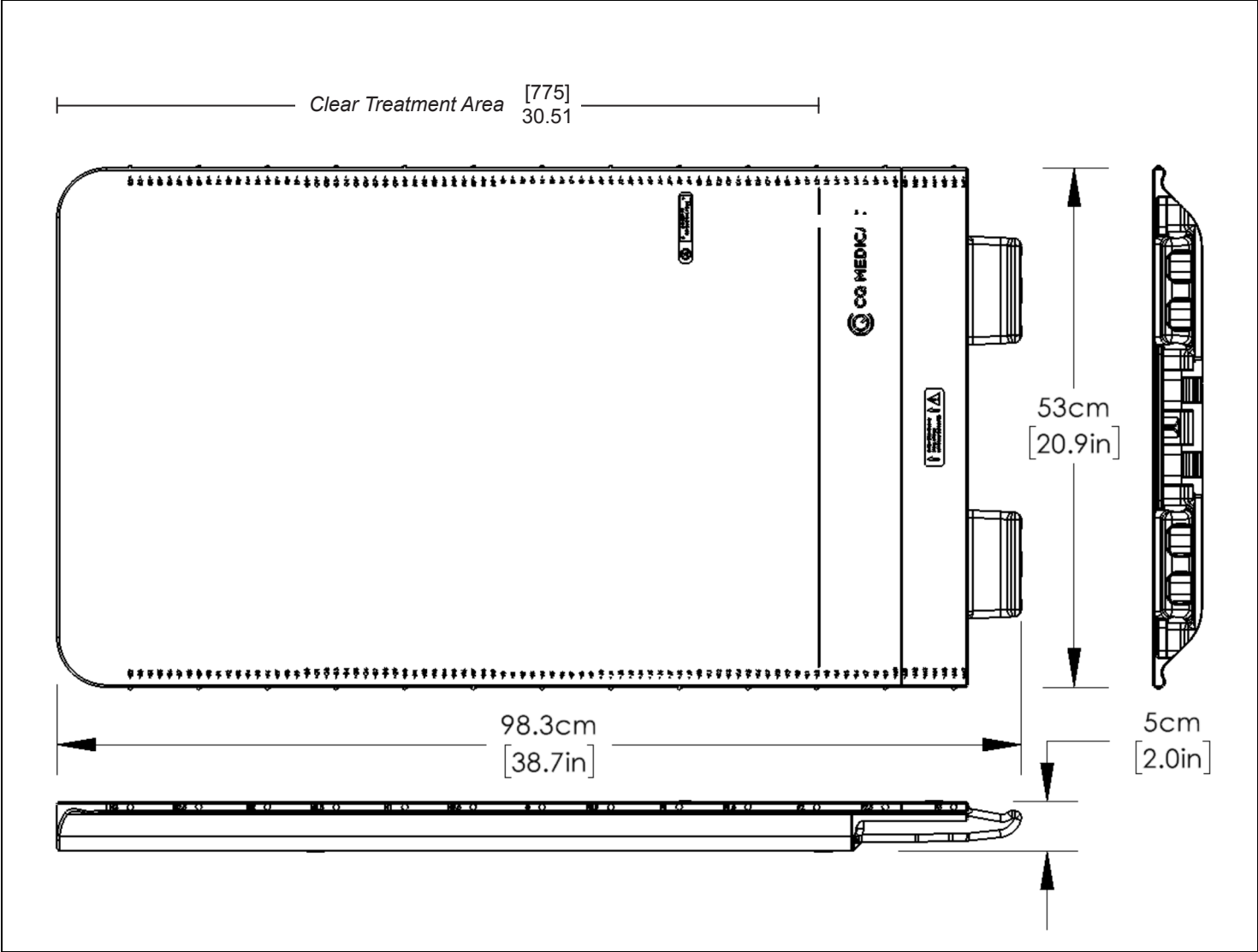
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6663 Grid Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	7.2 kg (16 lbs)
DIMENSIONS (CM)	140.3 L x 53 W x 5 H
TECHNICAL DRAWING	



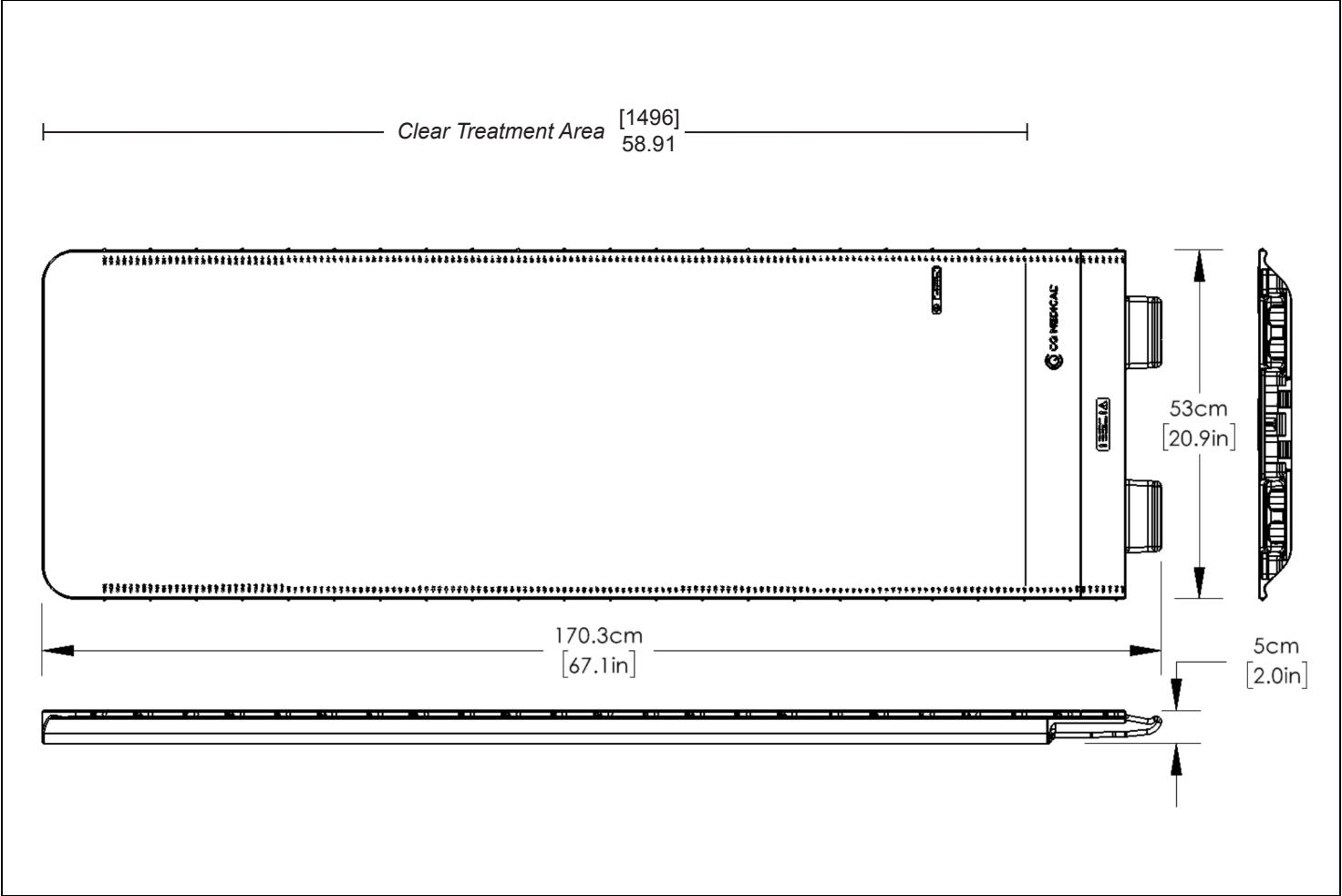
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6669 Rectangular Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	6.8 kg (15 lbs)
DIMENSIONS (CM)	98.3 L x 53 W x 5 H
TECHNICAL DRAWING	



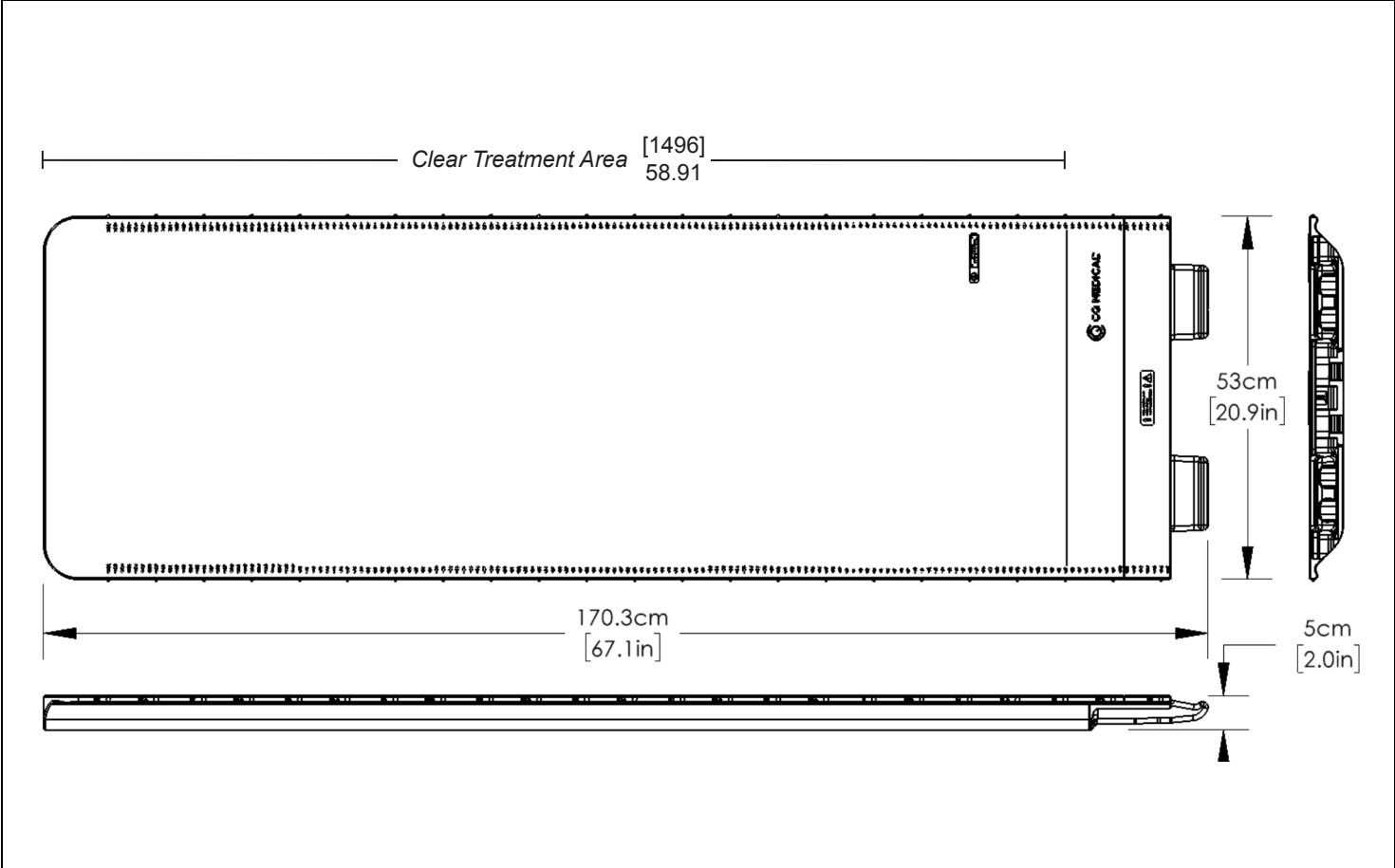
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6673 Rectangular Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	10.7 kg (23.5 lbs)
DIMENSIONS (CM)	170.3 L x 53 W x 5 H
TECHNICAL DRAWING	



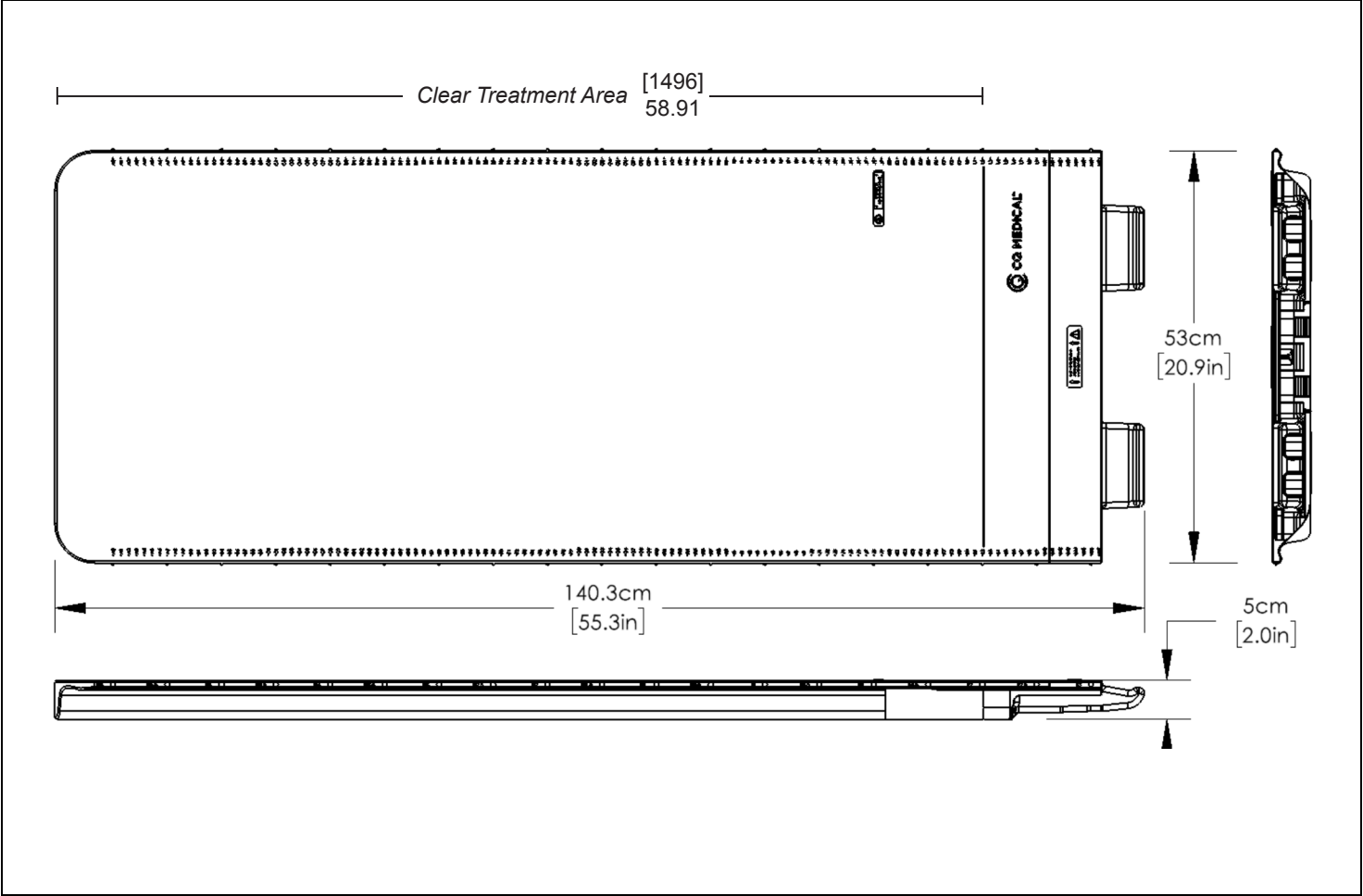
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6676 Rectangular Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	10.7 kg (23.5 lbs)
DIMENSIONS (MM)	170.3 L x 53 W x 5 H
TECHNICAL DRAWING	



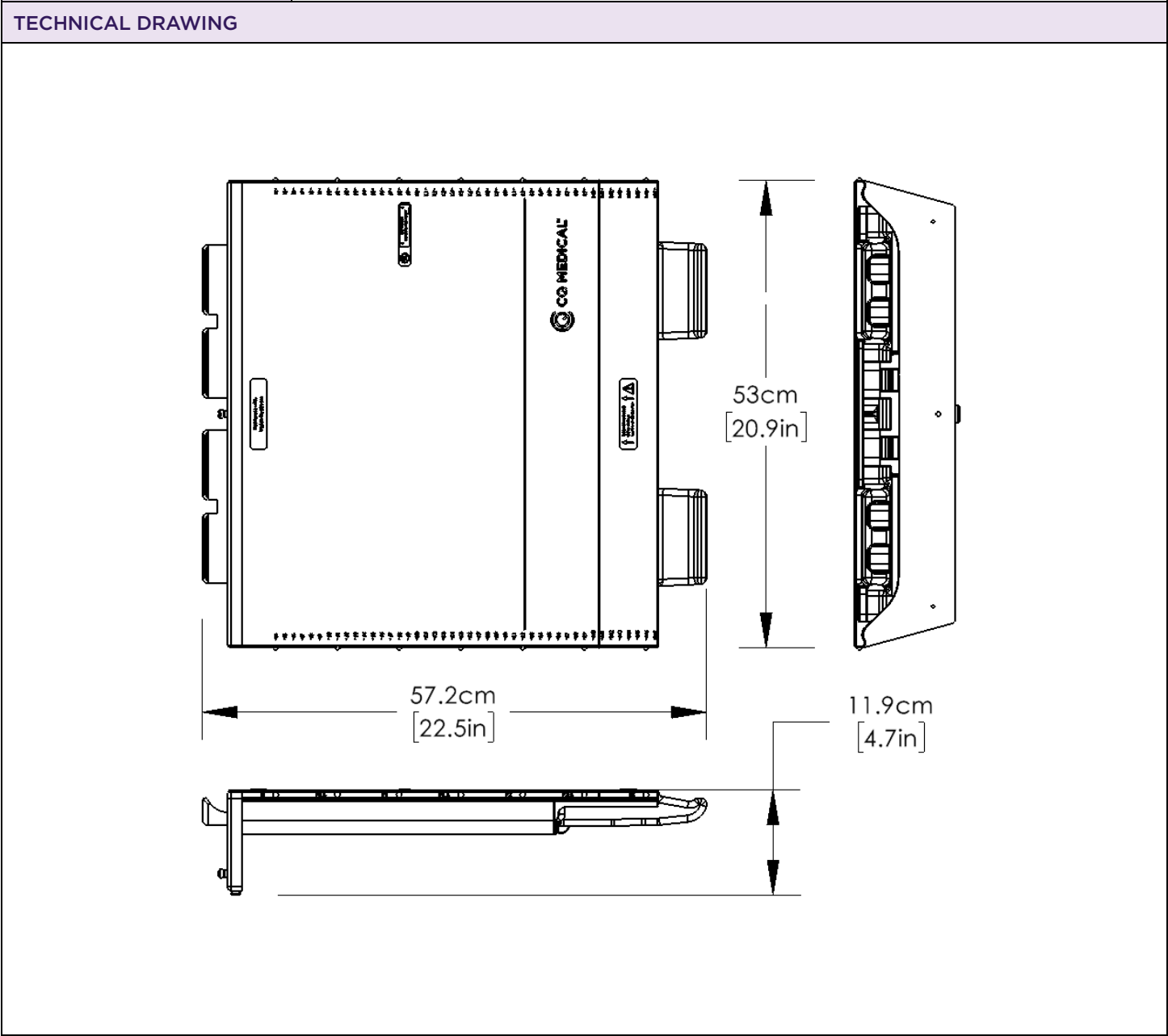
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6684 Rectangular Extension
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	7.71 kg (17 lbs)
DIMENSIONS (MM)	140.3 L x 53 W x 5 H
TECHNICAL DRAWING	



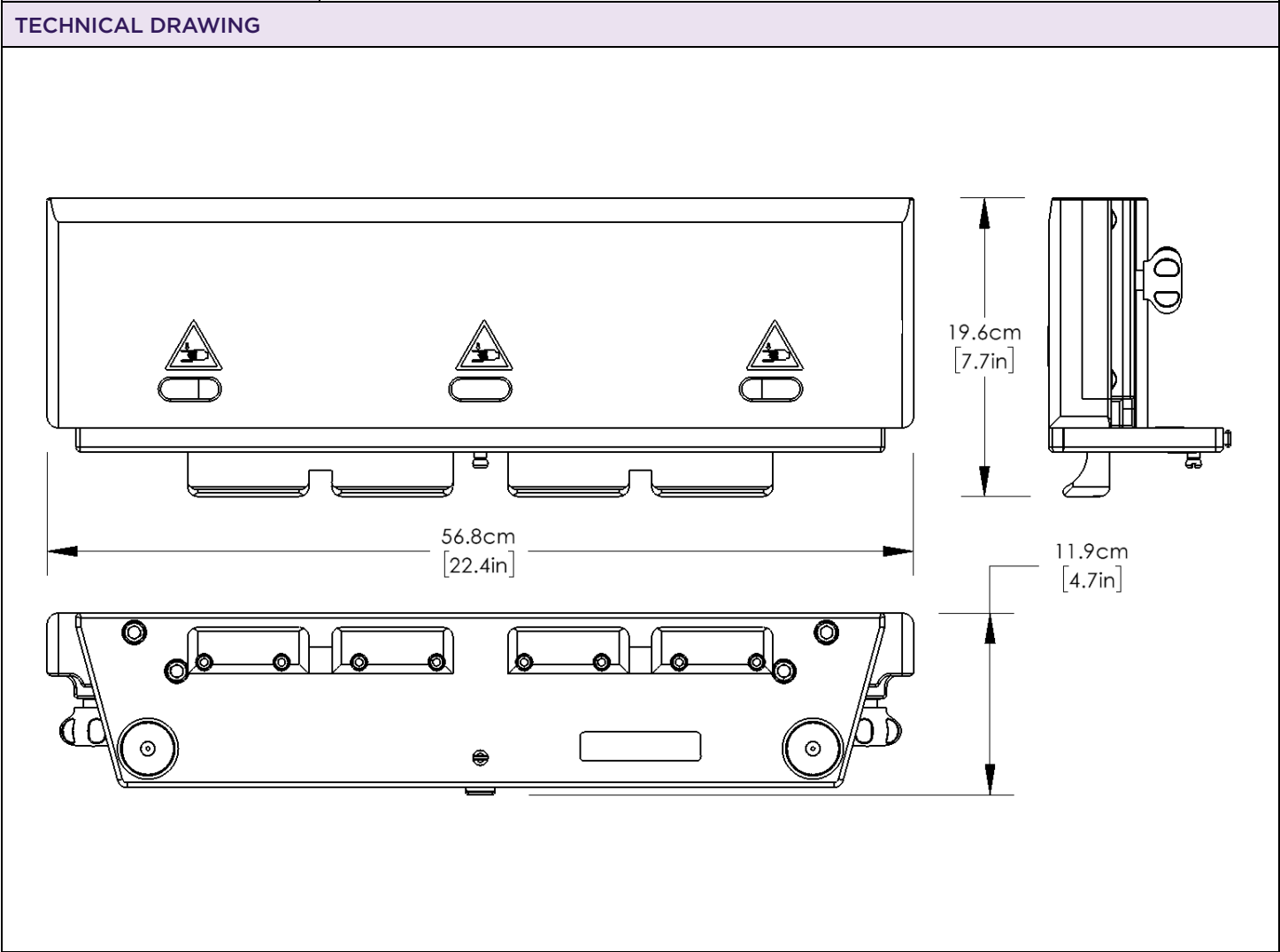
TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6667 Interface Extension for Varian
PRIMARY MATERIALS	Carbon Fiber Composite, Aluminum
WEIGHT (APPROX)	6.8 kg (15 lbs)
DIMENSIONS (MM)	57.2 L x 53 W x 11.9 H








TECHNICAL DETAILS - EXTENSIONS

COMPONENT	MTIL6612 Interface Sleeve for Varian
PRIMARY MATERIALS	Aluminum
WEIGHT (APPROX)	8.5 kg (18.75 lbs)
DIMENSIONS (CM)	19.6 L x 56.8 W x 11.9 H



TECHNICAL DETAILS – DOSIMETRIC PROPERTIES

EXTENSION & PART NUMBER(S)	LOCATION	ALUMINUM EQUIVALENCY (100KV)	PHOTON WATER EQUIVALENCY (6MV)	EXTENSION THICKNESS	ATTENUATION (6MV) TRANSMISSION (10 X 10)	PROTON WATER EQUIVALENCY (R80)
TYPE-S EXTENSION MTIL6665 MTIL6664 MTIL6670 	1 Grid Area	0.20 mm	2.3 mm	0.3 cm	0.9	1.5 mm
	2 Center of Thin Area	0.71 mm	7.0 mm	2.2 cm	2.1	5.8 mm
	3 Center of Thick Area	0.87 mm	8.2 mm	5.0 cm	2.8	7.3 mm
POSIFIX EXTENSION MTIL6666 MTIL6672 	1 Head Support Area	0.56 mm	5.8 mm	0.7 cm	1.7	4.9 mm
	2 Center of Thin Area	0.64 mm	6.7 mm	2.0 cm	2.2	5.8 mm
	3 Center of Thick Area	0.88 mm	8.0 mm	5.0 cm	2.7	7.4 mm
POSIFIX EXTENSION TRUPOINT ARCH MTIL6668 MTIL6671 	1 Head Support Area	0.77 mm	5.9 mm	0.7 cm	1.7	4.9mm
	2 Center of Thin Area	0.92 mm	6.6 mm	2.0 cm	2.1	5.8 mm
	3 Center of Thick Area	1.00 mm	8.1 mm	5.0 cm	2.7	7.4 mm
PEDIATRIC PROFORM MTIL6682 	1 Head Support Area	.047 mm	6.2 mm	3 cm	2.3	6.2 mm*
	2 Center of Extension					
RECTANGULAR EXTENSION MTIL6660 MTIL6669 MTIL6684 	2 Center of Extension	0.86 mm	8.1 mm	5.0 cm	2.7	7.4 mm

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

*Variation in WET value is limited to less than 0.3 mm across the treatment area.

TECHNICAL DETAILS - DOSIMETERIC PROPERTIES

EXTENSION & PART NUMBER(S)	LOCATION	ALUMINUM EQUIVALENCY (100KV)	PHOTON WATER EQUIVALENCY (6MV)	EXTENSION THICKNESS	ATTENUATION (6MV) TRANSMISSION (10 X 10)	PROTON WATER EQUIVALENCY (R80)
RECTANGULAR EXTENSION MTIL6673 MTIL6676 	2 Center of Extension	1.62 mm	N/A	5.0 cm	3.4	8.2 mm
RECTANGULAR EXTENSION W/ WIRES MTIL6661 	2 Center of Extension	1.06 mm	8.0 mm	5.0 cm	2.8	7.5 mm
RECTANGULAR EXTENSION GRID MTIL6663 	1 Grid Area	0.32 mm	2.2 mm	0.4 cm	0.2	N/A
	2 Center of Extension	1.28 mm	9.7 mm	5.0 cm	3.4	N/A
INTERFACE EXTENSION FOR VARIAN MTIL6667 	2 Center of Extension	.95 mm	8.1 mm	5.0 cm	2.8	7.5 mm

Performance Specifications are for reference only. Values may vary based on setup and equipment.
*Variation in WET value is limited to less than 0.3 mm across the treatment area.

PACKAGING

UNIT PACK	Each
UNITS / BOX	One device – may have several component parts in box
SHELF LIFE	Not Applicable
WARRANTY	See CQ Medical website for Product Warranty Statement
STERILIZATION	Non-Sterile