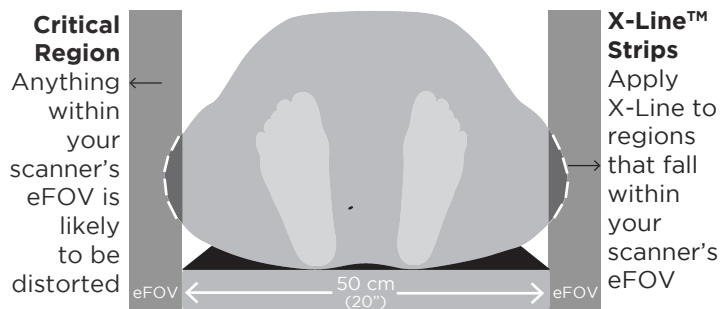


PATIENT IDENTIFICATION

Most tabletops are 50 cm (20”) wide, the same as GE and Siemen’s sFOV. Any patient who approaches or extends beyond the tabletop’s edge and into the eFOV will require X-Line for accurate contouring. For tables that are wider or narrower than 50 cm, adjust accordingly to determine if the patient is 50 cm or greater.



X-Line™ 50L1 REF

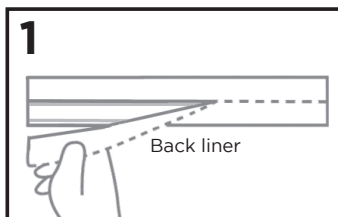
INSTRUCTIONAL BOOKLET

Precision radiotherapy tape for body contouring in CT simulation.

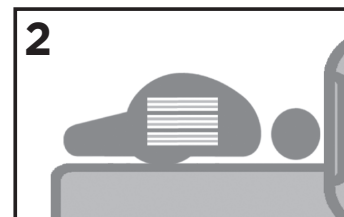
Please contact us with any questions or comments:
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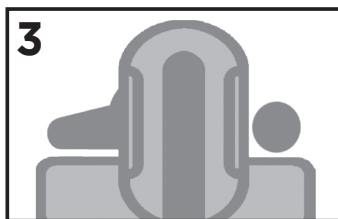
SIMPLIFIED INSTRUCTIONS



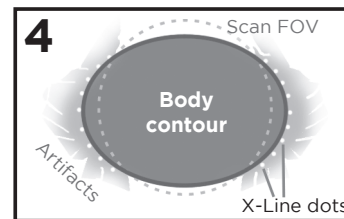
Tear at desired length, then peel off the back liner



Apply X-Line tape to patient



Perform the CT scan for radiation therapy planning



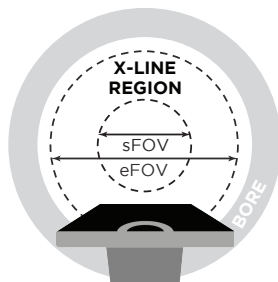
Trace the contour along the inside edges of the X-Line dots



See reverse side for detailed instructions

PATIENT SELECTION

Apply to regions of the body that fall outside the scan field of view (sFOV) and are within the extended field of view (eFOV) region of CT simulators. See reverse side "Patient Identification" on the upper left corner for a measuring technique.



Circumference of sFOV and eFOV (bore)

GE Lightspeed RT	50 cm	-	65 cm	(80 cm)
Siemens Somatom Sensation	50 cm	-	82 cm	(82 cm)
Siemens Somatom Definition	50 cm	-	80 cm	(80 cm)
Philips Brilliance Big Bore	60 cm	-	70 cm	(85 cm)

Obese patients undergoing treatment in their pelvic and abdominal regions commonly fall outside the sFOV and within the eFOV.

LENGTH OF X-LINE TAPE STRIPS*

The strips should be cut to extend the full top to bottom length of the CT scanning range. The following are examples of the lengths/scanning ranges for target procedures:

	Prostate	Gynecologic	Colorectal	Lung
Length*	L5 to 3" inferior ischium	T12 to 6" inferior ischium	T12 to 6" inferior ischium	C6 to L5
Length*	12"	18"	18"	20"

* Suggested lengths are dependent on body size and scanning range.

NUMBER OF X-LINE TAPE STRIPS

Apply the strips parallel to the patient in the supine position, with one inch spacing. For abdominal/pelvic cases with X-Line™ covering the sides, more obese patients will require more strips.

Waist Circumference (inches)	Number of Strips per Side of Patient
43-45	1
46-48	2
49-51	3
52-54	4
55-57	5
58-60	6
61-63	7
64-66	8
67-69	9
70-72	10
73-75	11

PATIENT PREPARATION

Optimal adhesion of X-Line requires the skin to be clean and dry, with minimal hair. Longer body hair may need to be trimmed to ensure the X-Line tape is closely adhered to the skin. The adhesive is made to be comfortable; however, longer hair may have a tendency to pull when the tape is removed from the skin.

After applying the first strip of X-Line, inspect it to ensure that it closely follows the contour of the patient's skin. If adhesion is poor, remove and discard the strip. Trim or shave any hairs, then clean and dry the skin, and re-apply a new strip.

INSTRUCTIONS FOR USE

The X-Line coverage regions vary by patient. The lengths of the tapes should span approximately the entire scanning range, while the number of strips should cover all regions outside the sFOV. For abdominal/pelvic cases, this can be loosely based on the patient's waist size -- the number of strips per side are suggested in the previous chart.

1. The X-Line strips run in-line with the body direction (head to toe). The lengths of the strips should extend across the full scanning range of the CT image for regions that fall outside the sFOV. Carefully tear along the perforation of the X-Line roll at the desired length.
2. Remove the liner backing from the adhesive by peeling from the center slit.
3. Apply the strips to cover the full region that may fall outside the sFOV. For starters, begin at the widest part of the patient and continue applying strips above and below (using the number of suggested strips per side based on waist circumference) until the strips reach regions of the body inside the sFOV.

CONTOURING WITH X-LINE

Contour just underneath the hyperdense dots created by the radiopaque lines to identify the true body contour. Since X-Line sits on top of the skin, connecting just underneath the dots ensures that they are not included in the radiation dose planning, and that an accurate body contour is identified.

SPECIFICATIONS

X-Line strips are 2.25 inches wide with perforations spaced every 2 inches. The radiopaque lines on X-Line are spaced 1 inch apart to allow for accurate body contouring in the CT images.

