

R605MP

ROUND- AND ELLIPTICAL-FIELD COLLIMATOR DESIGNED TO OPERATE WITH A MOBILE "C" ARM IMAGE INTENSIFIER. ITS SMALL DIMENSIONS FACILITATE X-RAY TUBE POSITIONING.

The round field is defined by 8 lead shutters located near the beam exit window and a brass cone near the X-ray focus; the elliptical field is defined by a pair of rectangular shutters located near the collimator entrance window which, combined with round field, provide an ellipse.

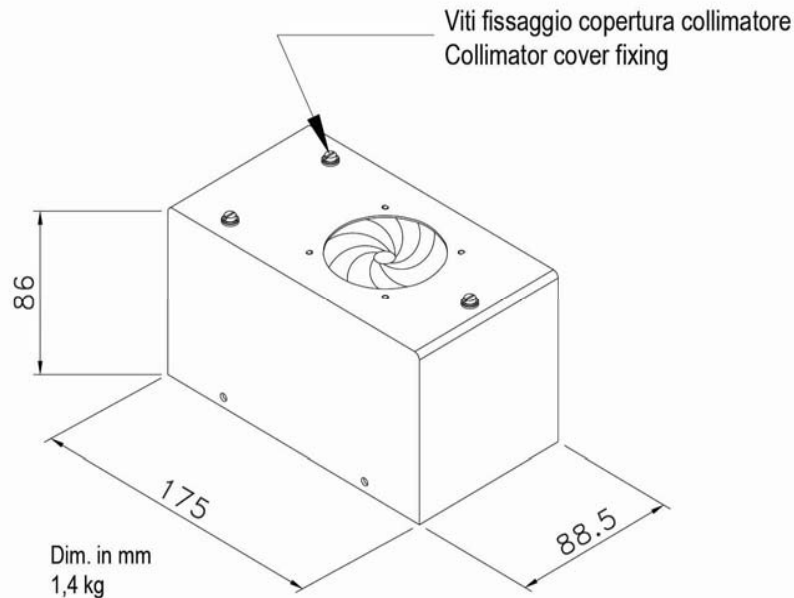
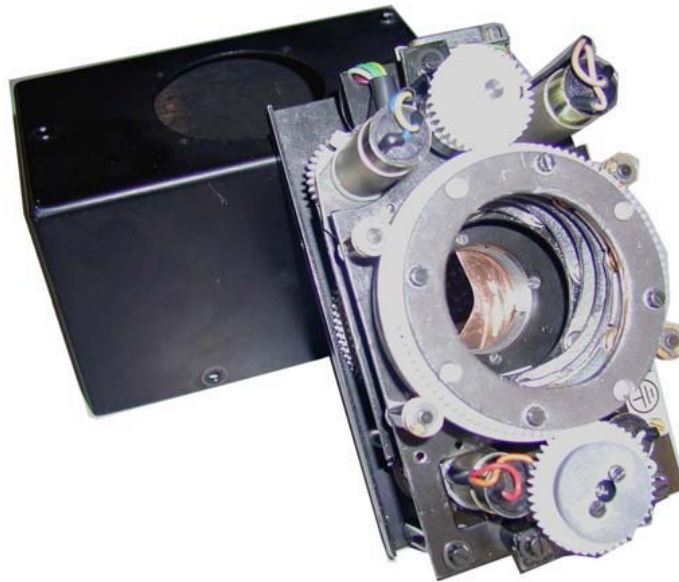
The round field is defined by 2 rectangular lead shutters with translation and rotation movements.

The shutters open, close and rotate 360° and their movements are controlled by D.C. motors.

During rotation the elliptical field size remains constant at 1m FFD with a tolerance of $\pm 10\text{mm}$

TECHNICAL FEATURES:

- Field sizes at FFD 100 cm (39.4") with the collimator mounted at 80 mm (3.14") from the x-ray focus:
 - Elliptical field:** from 0 to 30 cm $\pm 1\%$ FFD.
 - Round field:** from < 5 cm (1.97") to 30 cm (12") ($\pm 1\%$ FFD) - for smaller fields (9" and 7") the secondary collimator needs to be substituted. Therefore the **required field must be specified on order.**
- 125 kVp radiation shielding
- Potentiometer control for the round field only.



OPTIONAL ITEMS:

- RO 103 - Spacer, 1,5mm thick, for mounting flange.
- RO 066 - Filter, AL, fixed type 0.5 mm thickness.
- RO 067 - Filter, Al, fixed type 1mm thickness -
- RO 176 - Cardiac shutter
- RO 182 - Secondary Collimator for I.I. 7"
- RO 183 - Secondary Collimator for I.I. 9"

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