

X-RAY COLLIMATOR (LIMIT-X STD)



DESCRIPTION:

Limit-X manual version is single leaf parallel shutter, square field manual collimation system with light weight & compact design suitable for a wide range of general purpose of radiography in Combination with all kind of x-ray tube units. The purpose is to collimate exactly the radiation beam emerging from the x-ray tube assembly on to the size of object to be displayed. Collimation is manual with the aid of knobs.



FEATURES:

- Manual shutter movements with Simple & aesthetic design of link mechanism.
- Ideal for all type of RF x-ray units.
- External adjustment of mirror angulations.
- Electronic 30 sec (+/- 10 Sec) timer for the activation of light field simulating the x-ray field.
- Lamp position & lamp filament position can be easily adjusted.
- Two knobs on front panel of unit for manual control of shutters
- Suitable for under couch & over couch work.

SPECIFICATION:

Application	Manual-driven adjustable Limit-X for radiography
Maximum kvp	100 kVp
Maximum field size	17" x 17" OR 48 x 48 cm
Minimum field size	0 x 0 cm
Projection lamp	LED 5W
Electrical requirement	12 / 24 VAC 5A
Lamp timer	Auto off by inbuilt timer set for 30 Sec (+/- 10 Sec)
Tube focal distance	80mm (as per BEL Tube focal distance) from tube focus to mounting surface of Limit-X.
Leakage radiation	Well within the permissible limit (114mR/1mGy).
Inherent Filtration	1.2mm Al equivalent
Light projection	> 160 Lux at SID 100 cm
Rotation of radiation	+180 ° C
Cone rail tracks	Mounted (98W x 98L mm)
Dimension	247D x 215W x 117H mm
Weight	3.75 Kg

*Due to continuous product improvements, specifications & appearance are subject to change without prior notice.

MANUFACTURER



**SAI
INDUSTRIES**

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