

# ML03

## X-ray Collimator

### Data Sheet

#### Description

ML03 is a manual X-ray collimator designed for use in Radiography. The modular design allows creating a configuration tailored to your specific needs. A prefilter unit, a laser line light localizer and a tape ruler are available as an option, as well as flanges for X-ray tubes from different manufacturers.

#### Features and customer benefits

- LED field light localizer for high brightness and extended lifetime
- Shutters close to the source reduce extra-focal radiation
- Colored scales for four different SIDs<sup>1</sup> facilitate the proper setting of the X-ray fields
- Additional prefilters integrated for manual operation: 0.1, 0.2 and 0.3 mm Cu
- Rotation by  $\pm 45^\circ$  with a stop in  $0^\circ$  position by swiveling flange

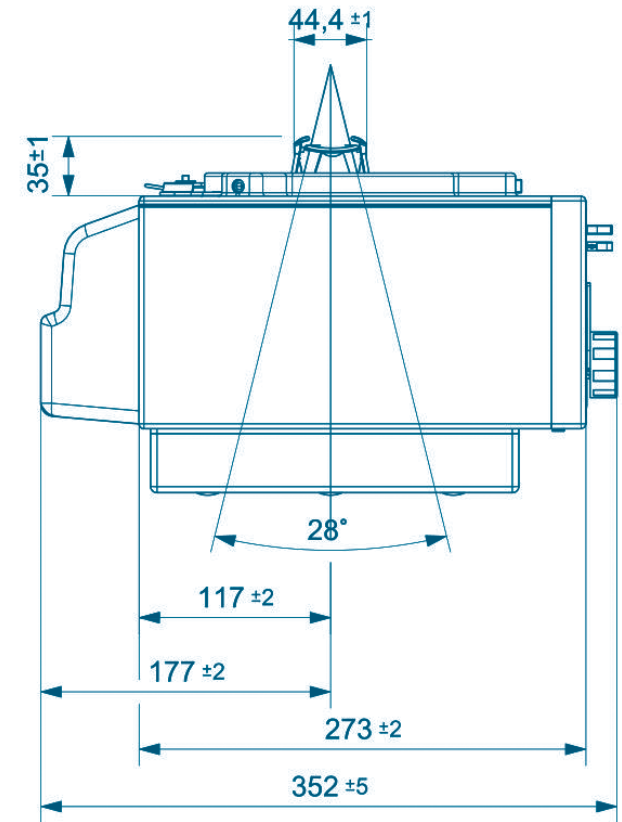
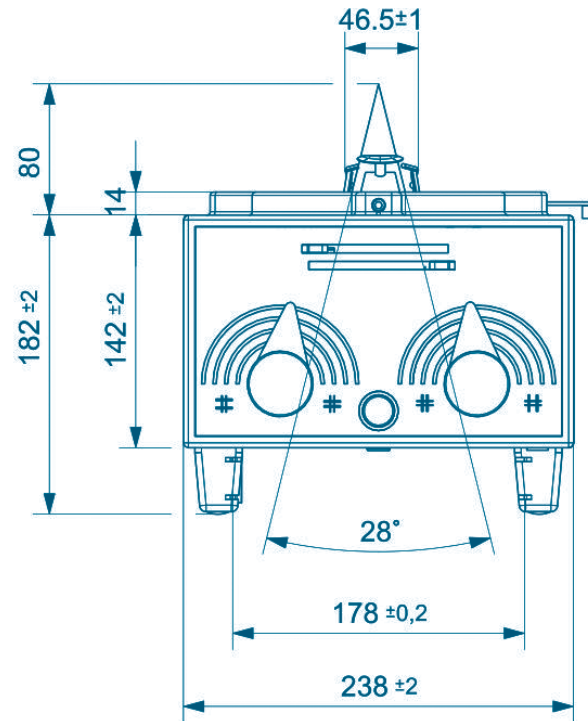
Technical Data		
Dimensions (L x W x H)	351.5 mm x 238 mm x 217 mm	
Weight	8.8 kg $\pm$ 0.5 kg	
Aperture angle	27°/27°	
Collimator rotation range	$\pm 45^\circ$	
Maximum field size	48 cm x 48 cm	at SID <sup>1</sup> = 100 cm
Minimum field size	3 cm x 3 cm	at SID <sup>1</sup> = 100 cm
Scales for different SIDs <sup>1</sup>	SID <sup>1</sup> = 100/115/150/180 cm or 40/45/59/72 inch	
Min. brightness <sup>2</sup>	$\geq 230$ Lux	at SID <sup>1</sup> = 100 cm
Additional prefilters	0.1/0.2/0.3 mm Cu	
Inherent filtration	1.0 mm +0.25/-0 mm Al at 70 kV, option: 2 mm +0.35/-0 mm Al at 70 kV	IEC60601-1-3
Power supply	24 V $\pm$ 10% DC or AC	50/60 Hz
Leakage radiation	< 0.5 mGy/h <sup>3</sup>	IEC60601-1-3
Laser line light localizer	Laser class 2	IEC 60825-1

<sup>1</sup> SID = Source-Image-Distance

<sup>2</sup> Min. brightness value for the LED field light localizer without external options like DAP meter

<sup>3</sup> At 150 kV/3 mA, at 1 m distance from tube assembly

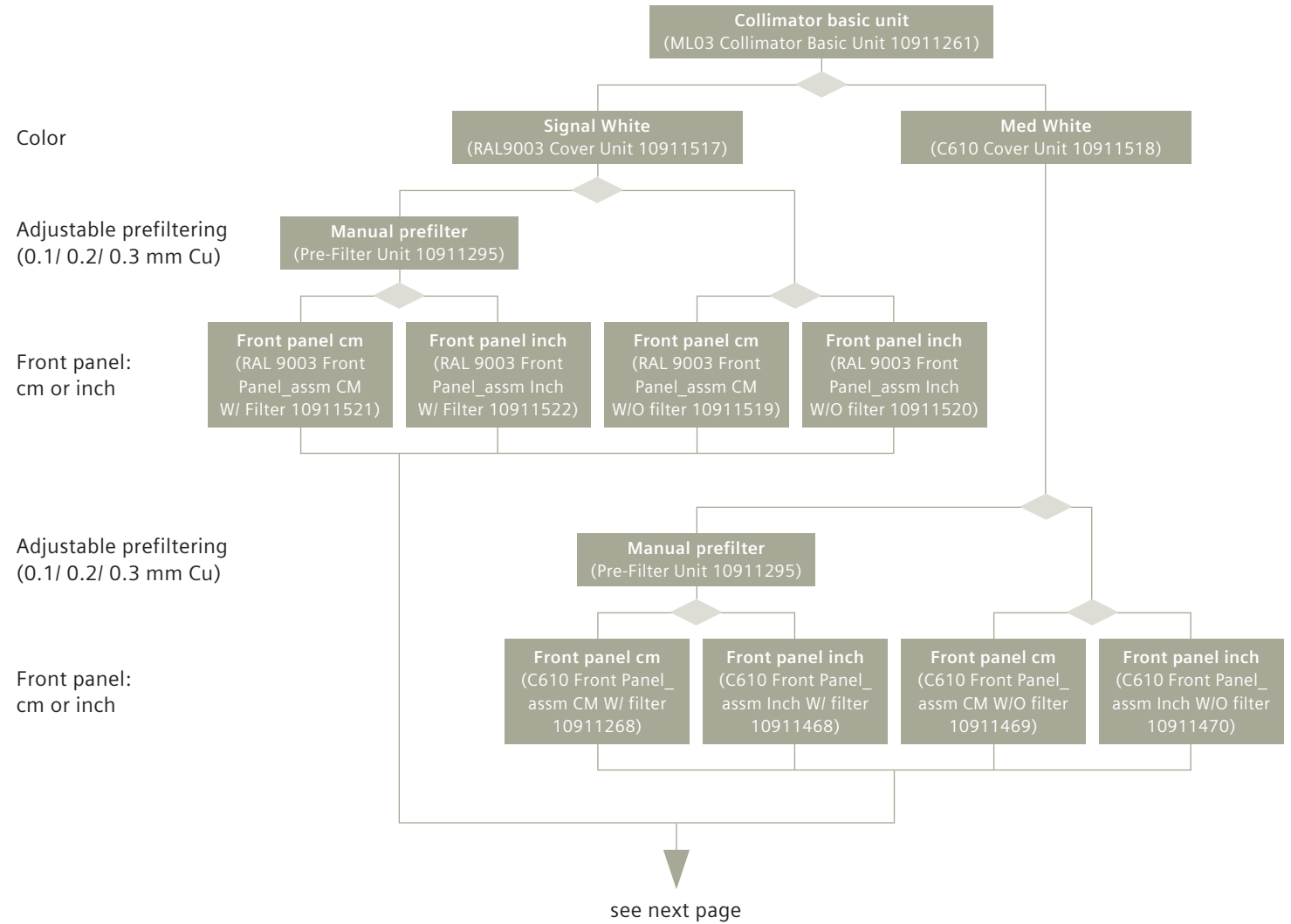
# ML03 X-ray Collimator



Creating values is our passion.  
Efficiency is our nature.  
Partnership is our way.

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## Available options and material numbers



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Additional inherent filtration

For in total 2 mm Al filtration at 70 kV  
(1 mm AL filtration 10911546)

Alignment of the X-ray beam center

Laser line light localizer  
(Laser Unit 3099892)

Reduction of off-focal radiation

Off-focal blades  
(Focal Blade Unit 7736759)

Off-focal cone  
(Lead Cone 10911551)

Precise setting of the SID

Measuring tape  
(Tape Ruler 10911300)

Adaptation to different tube makes (Flanges)

Siemens, Kailong, Toshiba 53  
(Siemens / Kailong / Toshiba 53 Tube flange 10911472)

Toshiba 56  
(Toshiba 56 Tube Flange 10911473)

Toshiba 60  
(Toshiba 60 Tube Flange 10911547)

Varian  
(Varian Tube Flange 10911471)

IAE  
(IAE Tube Flange 10645089)

Certification

DHHS and UL  
(DHHS / UL 10911475)

Warranty extension

to 39 months  
(24 Month extended Warranty 10911478)

to 27 months  
(12 Month extended Warranty 10911477)

End

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