

Tungsten Eye Shields

For electron and superficial shielding

Tungsten eye shields have been developed to provide greater shielding than lead for the same thickness and superior electron scatter properties. Tungsten eye shields can be gas sterilized or autoclaved. Each tungsten eye shield has a removable 1 mm thick and a 0.5 mm thick anodized aluminum cap (both are included with each eye shield) that additionally reduces radiation backscatter to the eyelid. The entrance dose rate will determine whether the 1 mm or 0.5 mm aluminum cap is to be used. The eye shields can be used without the aluminum cap when treating superficially. Tungsten shields are available in 2 mm and 3 mm thicknesses and five diameters. A stainless steel knob provides a convenient handle.

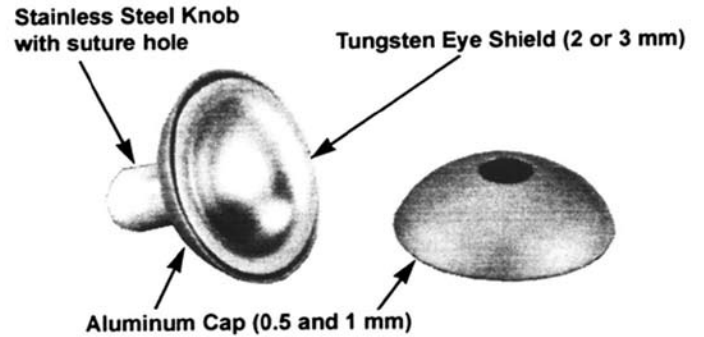
Unreferenced data on this product are preliminary findings and not to be used as a technical reference. Transmission data were determined with XV-2 film placed under/below tungsten eye shield at 3 mm depth (anterior surface of the lens). Backscatter data were determined with TLD microcubes placed under simulated eye lid using tungsten shields.

Specifications

Tungsten density: 17 g/cm³
 Aluminum density: 2.718 g/cm³

Model	Thickness	I.D.	A	B	C	D
936-583	2	13	11.6	15.7	17.8	18.8
936-585	2	15	13.3	17.4	19.5	20.5
936-587	2	17	15.0	19.1	21.1	22.1
936-589	2	19	16.7	20.8	22.9	23.9
936-591	2	21	18.4	22.5	24.6	25.6
936-596	3	13	11.0	17.4	19.5	20.5
936-598	3	15	12.7	19.1	21.1	22.1
936-601	3	17	14.4	20.8	22.9	23.9
936-623	3	19	16.1	22.5	24.6	25.6
936-627	3	21	17.8	24.2	26.3	27.3

All dimensions in mm



Tungsten	+Aluminum	Transmission		Backscatter	
		6MV	9MV	6MV	9MV
2 mm	0	3.4%	5.6%	108%	111%
2 mm	0.5 mm	3.0%	4.8%	103%	106%
2 mm	1 mm	3.0%	4.4%	95%	102%
3 mm	0	2.5%	3.3%	112%	113%
3 mm	0.5 mm	2.4%	2.9%	102%	105%
3 mm	1 mm	2.5%	2.8%	97%	106%

Accessories

- 934-020 Eight compartment storage case
- 936-950 Shielded eye plaque box for gas sterilization

