

OT94001I with Ceiling Track Column

Comparable with OT94001, but inverse (I) / mirrored shield: body-shaped cut-out on the left.

While further developing the conventional radiation protective shield, a completely new concept was born at MAVIG to minimize radiation exposure to the examiner and his assistance. Optimized for the use during radial and femoral access it leads to a significant improvement in radiation protection by a factor of 10, if the shield is used in combination with our radiation protective drapes.

Characteristics

Elimination of Underpassing Radiation

The underpassing radiation results from the scattered radiation originating in the patient volume radiographed, a considerable proportion of which travels through the patient's body tissue. The examiner is thus exposed to the scattered radiation that has traveled underneath the shield and then exited the patient's body. The flexible panel curtain lays perfectly flush to the patient's body when the protective shield is positioned and stops a significant proportion of the scattered radiation coming from the patient's body. At the same time the gap between the shield and the surface of the patient's body is closed.

Ideal for Femoral and Radial Artery Access

The new radiation protective shield has two curved cut-outs. The large cutout follows the contour of the patient's body, and a second smaller cutout allows for the patient's arm to be placed underneath it. To provide the best possible protection during procedures using the femoral artery, the overlapping panels ensure that the arm cutout, which is not in use, remains completely closed. For procedures using the radial artery, the panels spread out so that the puncture site is exposed but the curtain does not offer any gaps through which scattered radiation might reach the examiner.

Increased Freedom of Movement and Enlarged Protective Zone

By making the area of protection higher, even examiners up to 195 cm (6'4) tall are very well protected. The increased width and the resultant increase in the radiation shadow mean that changes in the examiner's position do not increase the exposure dose.

Ceiling Track Column with Portegra2

All MAVIG Portegra2 columns are equipped with one electrified pin for the installation of a lamp. The proven construction, sturdy design, and numerous tests ensure the highest level of safety available. The patented brake mechanism is a standard for all support systems with a carriage. The brake holds the carriage at a fixed position inside the ceiling track, which provides additional safety during its use.

- Upper pin allows 240° rotation, the lower pin 360°
- Electrical arms equipped with 3 pole sliding contacts
- Different column lengths available for adjustment to individual ceiling heights



Are you interested in our shield OT94001I? Please send us a nonbinding request for a quote.

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Protective shields, lamps, monitors, injectors, and other accessories can be attached and positioned as required. The extension / spring arm combination offers a large range of different load bearing categories:

- The long reach capacity with an extension arm of 95 cm and a spring arm of 91 cm
- Shock absorbing, plastic covers protect from collision damage
- Internal steel cable provides safe support even after many years of service
- Specially designed collar guarantees a firm connection with the shield

Technical Data

Scope of Delivery: Radiation Protective Shield with Curtain, Portegra2 Extension and Spring Arm, Column, Ceiling Track, 1 Box of Sterile Covers STEA-OT4.

Dimensions	Size Shield	78 x 90 cm (WxH)
	Length Extension Arm	95 cm
	Length Spring Arm	91 cm
Weight	Shield with Curtain	15.00 kg
Lead Equivalent	Shield	Pb 0.50 mm
	Curtain	Pb 0.50 mm

Accessories

Sterile Covers

STEA-OT4	Complete Shield Cover	Suitable for OT94001 (resp. OT54001I/ OT94001I)
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The compatibility with existing Portegra2 ceiling systems ensures an uncomplicated integration and installation and avoids large room planning actions. In just a few steps, you and your personnel are well protected and improve your working conditions.

Compatible with:

- Ceiling Suspended Angiography System: Artis zee, Artis Q, Artis Q.zen
- Floor Mounted Angiography System: Artis zee, Artis Q, Artis Q.zen
- Biplane Angiography System: Artis zee, Artis Q, Artis Q.zen
- Artis zeego (Ceiling Height > 2.90 m)
- Artis one
- Artis zee MP (Ceiling Height > 2.90 m)