

WIROMA

YOUR SPECIALIST FOR RADIATION PROTECTION

CATALOGUE



Is your X-ray protective clothing
up to date?

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Wiroma Radiation Protection

Wiroma radiation protection products are unique

- Many years of experience in development and production of radiation protection articles
- Precise workmanship guarantees you optimal protection
- More safety through special production process in the area of seam coverage
- Integrated and removable breast pocket for the greatest degree of hygiene
- Resistant to conventional disinfectants (Hexaquart plus etc.)
- Integrated chip for easy data maintenance and service

Certified quality

Wiroma-products are CE-certified. The testing agency BTTG Testing & Certification Ltd confirms with the Type-Examination Certificate No. 523557/1 the conformity with the ordinance on personal protective equipment (EU) 2016/425 and the norms IEC 61331-1:2014 and IEC 61331-3:2014. The quality assurance is also monitored by the testing agency BTTG.

Wiroma aprons are CE tested as personal protective gear and tested between 60 and 110kV (standard material between 50 – 150kV).

Data maintenance and service

Radiation protection aprons are equipped with an RFID-chip. Data maintenance and service can be done very easily using the RFID-chip and the Wiroma-software.

General Product Information

Protective material

The protective material is available in three configurations:

- Standard
- X-Light (ca. 8% lighter than standard)
- Lead-free (ca. 23% lighter than standard)

All three materials are very flexible and robust. The difference is in the weight. The X-Light material is around 8%, the lead-free around 23% lighter than the standard-material. The materials are identical with respect to their protective effects.

External material





Material Nylon

- Mechanically more robust and scratch resistant than Magic.
- Can be used in general and veterinary medicine.









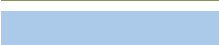

Material Magic

- Flexible, elastic and very durable material. Betadine, Hexaquart plus, blood, contrast agent and some aggressive fluids can be easily removed with warm, soapy water.
- For use in surgery, angiography and at all workplaces with an increased risk of fouling.

Farben Nylon

Petrol / petrol Best-Nr. / Order No. 104	Pantone 329c	
Dunkelblau / dark blue Best-Nr. / Order No. 106	Pantone 532 c	
Blau / blue Best-Nr. / Order No. 108	Pantone 2728 c	
Dunkelrot / dark red Best-Nr. / Order No. 110	Pantone 7621 c	

Farben Magic

Petrol / petrol Best-Nr. / Order No. 204	Pantone 7718 c	
Dunkelblau / dark blue Best-Nr. / Order No. 206	Pantone 532 c	
Dunkelblau / dark blue Best-Nr. / Order No. 208	Pantone 7687 c	
Braunrot / brown red Best-Nr. / Order No. 209	Pantone 7524 c	
Bordeaux / Bordeaux Best-Nr. / Order No. 211	Pantone 7645 c	
Violett / violet Best-Nr. / Order No. 213	Pantone 2583 c	
Grau / grey Best-Nr. / Order No. 216	Pantone 410 c	
Olive / olive Best-Nr. / Order No. 217	Pantone 5773 c	
Eisblau / ice blue Best-Nr. / Order No. 218	Pantone 277 c	
Kupfer /cooper Best-Nr. / Order No. 220	Pantone 173 c	

Sizes

The available sizes are given in the price list. Please note the following information concerning the proper fit:

Front aprons

Width: from shoulder to shoulder.

Length: Mid-shoulders to below the knee

Coat aprons

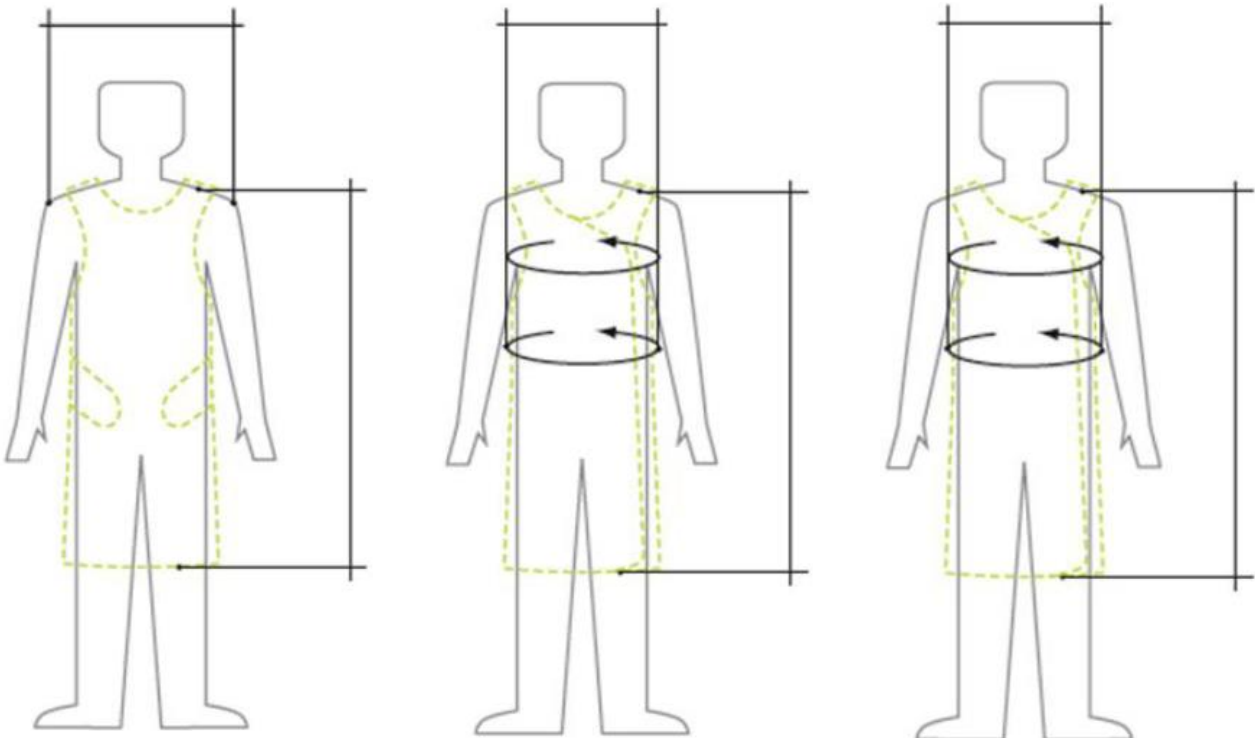
Breast or abdomen width.
Only state the larger dimension.

Length: Mid-shoulders to below the knee

Top and skirt

Top: Breast or abdomen width. Only state the larger dimension.

Skirt: Waist



WIROMA Options

- Breast pocket inside for dosimeter
- Logos and monograms embroidered (directly embroidered or using Velcro)
 - Up to 21 letters per line possible
 - Example: "Prof. Hansrudolf Müller", "Radiology"
- transparent holder for name badges
- Additional sleeves
- Thyroid collar sewn on or with snap-on buttons
- Children's motifs
- Additional fixing straps (Velcro)
- All radiation protection aprons can also be made in special sizes

Front Aprons

413-AWC



The ergonomic cut makes for an optimal weight distribution and high wearing comfort.

Closure with Velcro.

Options:

- Integrated thyroid protection

Size	Width	Girth	All sizes are available in the lengths: 90, 100, 110, 120, 130cm
XS	50 cm	< 99 cm	
S	60 cm	to 115 cm	
M	65 cm	to 125 cm	
L	75 cm	to 140 cm	

412-WBT



The cross-belt with a practical snap closure provides especially high wear comfort and optimal adjustability. The apron is also suitable for use in veterinary practices.

Option:

- Integrated thyroid protection

Size	Width	Girth	All sizes are available in the lengths: 90, 100, 110, 120, 130cm
XS	50 cm	< 99 cm	
S	60 cm	to 115 cm	
M	65 cm	to 125 cm	
L	75 cm	to 140 cm	

421-SDO (OP-Apron)



The apron is very well suited for work in the operating room.

As soon as there is no more radiation, the apron can very easily be removed under the surgical garments by loosening the Velcro bands in the shoulder area.

Size	Width	Girth	All sizes are available in the lengths: 90, 100, 110, 120, 130cm
XS	50 cm	< 99 cm	
S	60 cm	to 115 cm	
M	65 cm	to 125 cm	
L	75 cm	to 140 cm	

Coat Aprons

Coat aprons offer all-around protection. They are only suitable for wearing in seated position under some conditions.

431-LSW



The wide waist belt provides maximum relief for the shoulders. The apron offers optimal freedom of movement for the shoulders, an optimal weight/performance ratio and the highest possible wear comfort.

Size	Girth	All sizes are available in the lengths: 90, 100, 110, 120, 130cm
XS	< 99 cm	
S	to 100 cm	
M	to 110 cm	
L	to 120 cm	
XL	to 130 cm	

431-LSW GI (with inner belt)



The apron matches the Model 431-LSW, though with a practical inner belt. This prevents being disturbed or caught by an external belt.

The inner belt is sewn in and cannot be removed.

Size	Girth	All sizes are available in the lengths: 90, 100, 110, 120, 130cm
XS	< 99 cm	
S	to 100 cm	
M	to 110 cm	
L	to 120 cm	
XL	to 130 cm	

431-LSW_COM



Thanks to the waist belt that can be vertically adjusted to different settings, the coat apron offers an optimal weight distribution on the shoulders and hips. Can be put on/taken off comfortably and quickly.

The model offers the best wear comfort in standing, moving and sitting.

Option:

- Magnetic closure

Size	Girth	All sizes are available in the lengths: 90, 100, 110, 120, 130cm
XS	< 99 cm	
S	to 100 cm	
M	to 110 cm	
L	to 120 cm	
XL	to 130 cm	

431-LSW_COM KARD (for cardiology)

431-LSW_COM KARD

458-Arm KARD



The apron matches the Model 431-LSW_COM, supplemented with a snap button in the shoulder area left and right. The sleeve elements, 458-Arm KARD, are optionally available and can be fixed on using the snap button.

The sleeve element 458-Arm KARD is removable and offers additional protection thanks to the widened shoulder section.

Option:

- Magnetic closure

Size	Girth	All sizes are available the lengths: 90, 100, 110, 120, 130cm
XS	< 99 cm	
S	to 100 cm	
M	to 110 cm	
L	to 120 cm	
XL	to 130 cm	

533-DSW



This apron is distinguished by the overlapping Velcro-closure system on the shoulder.

Size	Girth	All sizes are available in the lengths: 90, 100, 110, 120, 130cm
XS	< 99 cm	
S	to 100 cm	
M	to 110 cm	
L	to 120 cm	
XL	to 130 cm	

Top and Skirt

437-Top



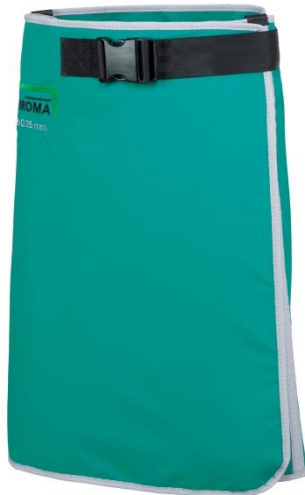
537-Top



437-Top-KARD



538-Skirt



Top and skirt in combination offer safe, all-around protection which allows increased motion and even distribution of weight.

The top is available in three variants:

- Top 437 can be adjusted to fit well on the upper body thanks to the overlapping with Velcro closure in the front Section.
- Top 537 can also be individually adjusted in the shoulder area.
- Top 437-KARD has a snap button in the shoulder section left and right. The sleeve element 458-Arm KARD is available optionally and offers additional protection in the shoulder section. It can be fixed in place using the snap button.

Option Top: Magnetic closure

Size	Girth Top	Girth skirt	Available lengths: Top: 60cm Skirt: 60cm
XS	< 95 cm	< 89 cm	
S	to 100 cm	to 95 cm	
M	to 110 cm	to 105 cm	
L	to 120 cm	to 110 cm	
XL	to 130 cm	to 120 cm	

Dental Aprons

417-OPT



Protects the patient during
panorama- and cephalo-
metric x-rays.

Very easy to use.

Girth	Length
60 cm	60 cm

420-DTL



Very easy to use.
The poncho can be draped
over the patient easily and
quickly.

Girth	Length
60 cm	88 cm

418-DTC



Girth	Length
60 cm	88 cm

Apron with thyroid collar.

Protects the patient during panorama- and cephalometric x-ray.

419-DTL



Girth	Length
60 cm	88 cm

Apron without thyroid collar.

Protects the patient during panorama- and cephalometric x-rays.

Children's Aprons



488-Skirt

We developed these for our little patients to protect the gonads during x-ray examinations of the thorax and upper abdomen region.

487-Top

The overlapping Velcro closure allows the child's top to close comfortably and adjust optimally.

483-AWC

Front apron for children. Cross-closure Velcro band with stretch at the hips for closure.

480-FCW (LSW)

Coat apron for children with highly flexible multi-layer protective material with very durable outer fabric.

477-OPT

Dental child's apron. Patient protection during tooth x-rays, especially for dental charts.

Option: Patterns that can be sewn on



Thyroid Shield

These removable collars protect the thyroid.

4534-TSM



4534-TSM with magnetic closure

4534-TS



4534-TS with Velcro closure

4534-TSG



Can be sewn on to front and coat aprons or fixed with snap buttons.

4533 – TC



Removable collar, straight cut with Velcro closure.

4534 – TSV



Removable collar, straight cut, anatomically formed, with Velcro closure.

Hygienic Molton towel for TS



Reusable hygienic protection, washable at 40°C.

Disposable hygienic protection for TS



Disposable hygienic protection for TS in practical box.

1 box contains 100 items

Gloves

Glove with grip opening



One-size-fits-all for right and/or left hand. This article is available in all the colours in our colour palette.

Lead finger-glove



The protective material consists of highly flexible lead vinyl, the outer material of easy-care artificial leather.

The interior glove can be removed for cleaning.

In a one-size-fits-all size as a pair or singly, available in the colours grey or blue.

Head Cover

403-Head cover



This head cover can be used in various departments:

- Cardiology
- Diagnostic radiology
- Angiography
- Radiological intervention
- etc.

Sizes: Small, Medium and Large

Radiation Protection Glasses

The use of radiation protection glasses reduces the radiation exposure for eye lenses considerably. With a lead equivalent of just 0.50 mm, 90 - 99 % of the scattered rays at 80 kV are absorbed.

Some glasses can be delivered for an additional price with corrective lenses, single strength, bifocals or progressive lenses. To order them, request the order form for glasses.

Over-glasses WIROMA by Lanz-Anliker AG 0.75mm Pb



Art. No. AH10822

Over-glasses to fit every head size and over every glasses frame. Side splash and radiation protection. The glass lenses are height-adjustable.

Weight: 160g

MIRAGE / PERSOL 0.75 mm Pb



Art. No. 463210

Side splash guard through leaded glass. Corrective glass in single strength, progressive and bifocal available.

Weight: 92g

UNIFRESH 0.75 mm Pb



Available in 4 different colours

- Art. No. AH10572 blue-grey
- Art. No. AH10573 grey-transparent
- Art. No. AH10574 smoke-green
- Art. No. AH10575 red

With side splash guard. Corrective glass available in single strength and progressive strength.

Weight: 71g

BLACK / CRYSTAL 0.75 mm Pb



Art. Nr. AH11071

With side splash guard. Corrective glass available in single strength and progressive strength.

Weight: 90g

Half Aprons

Half aprons protect the patient in the gonad region during x-ray examinations of the thorax and upper abdominal region.

Half aprons are available in three different closure systems and in different sizes.



440-ASB



With belt

442-HSV



With Velcro-system

443-RSV



With hip wire

Size	Girth	Length
XS	30 cm	30 cm
S	40 cm	30 cm
M	60 cm	45 cm
L	60 cm	60 cm

Patient Coverings / Wrap

Coverings and wraps for patients are custom products. The form, measurements, protective effect and colour are implemented and fabricated to order.

Wrap



For covering and wrapping patients.

Fixed in place using Velcro bands.

Mat



For covering patients during diagnostic and therapeutic applications.

Without Velcro bands.

Special-patient-wrap



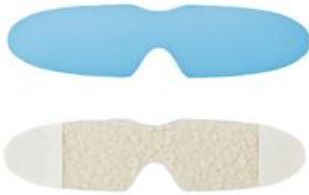
Under-layer: 55 x 60 cm

Top layer: 85 x 35 cm

Adjustable for thin and obese patients

CT–Eye and Thyroid Shield (disposable)

CT-Eye Shield



CT-Eye Shield was developed specifically to protect the eye's lens.

- Considerable reduction and optimising of the dosage during the CT's and other x-ray procedures.
- Artefacts are reduced to an absolute minimum by the built-in spacers.
- Hypoallergenic glue makes sure that shielding is consistently maintained.
- The material made of barium sulphate can safely be disposed of with the normal rubbish.

CT-Thyroid Shield



The CT-Thyroid shield was designed to protect the sensitive thyroid gland.

- Practical dosage reduction of more than 40% during CT or general x-ray examinations.
- More than 60% dosage reduction in the transmission of 50kV.
- Up to 120kV
- The material made of barium sulphate can be safely disposed of in normal rubbish.

Special Organ-Protection Articles

448-Mammo

Mammo-SMALL



Mammo-LARGE



For covering and protecting the left or right breast during mammography.

Ovary shields



For protecting the female organs.
The centre pin makes it easy to use.

The ovary shields are available in the sizes M and L
as well as in various colours.

Gonad protectors



Gonad capsules for protecting the male organs.

Available in the sizes S, M and L.

Practical hygienic bags are also available.

Triangle for protecting the female and male organs.

Size 24 x 24 cm with fastening bands available in different colours.

Disinfectants

Disinfectants Planicid



Textile and surface disinfectant

- 500 ml container with hand sprayer
- Packaging unit:
box of 6 pieces (also available individually)



Textile and surface disinfectant

- 1l container
- Packaging unit:
box of 12 pieces (also available individually)

Clothes Racks

Wall holders



Wall holders made of sturdy, stainless chromium steel. Hangers can swivel left or right and come **with hooks**.

Allows for space-saving storage of the x-ray protective garments that is easy on the materials.

Includes mounting hardware.

Variants for 5 apron or 10 aprons available.

Portable clothes racks



Clothes racks made of sturdy, stainless chromium steel. Hangers can swivel left or right and come **with hooks**.

Allows for space-saving storage of the x-ray protective garments that is easy on the materials.

Portable, with four casters, two locking.

Variants for 5 aprons or 10 aprons available.

Clothes hangers



Wooden hanger

Hanger made of sturdy beech wood. The special form of the hanger makes it suitable for all front and coat aprons, tops and skirts.



Stainless steel hanger INOX

Hanger made of high-grade stainless steel. No moving parts or braces. Very hygienic and easy to clean. Especially suited for OP-area.

Protective curtain



Portable protective curtain made to individual measurements and specifications.

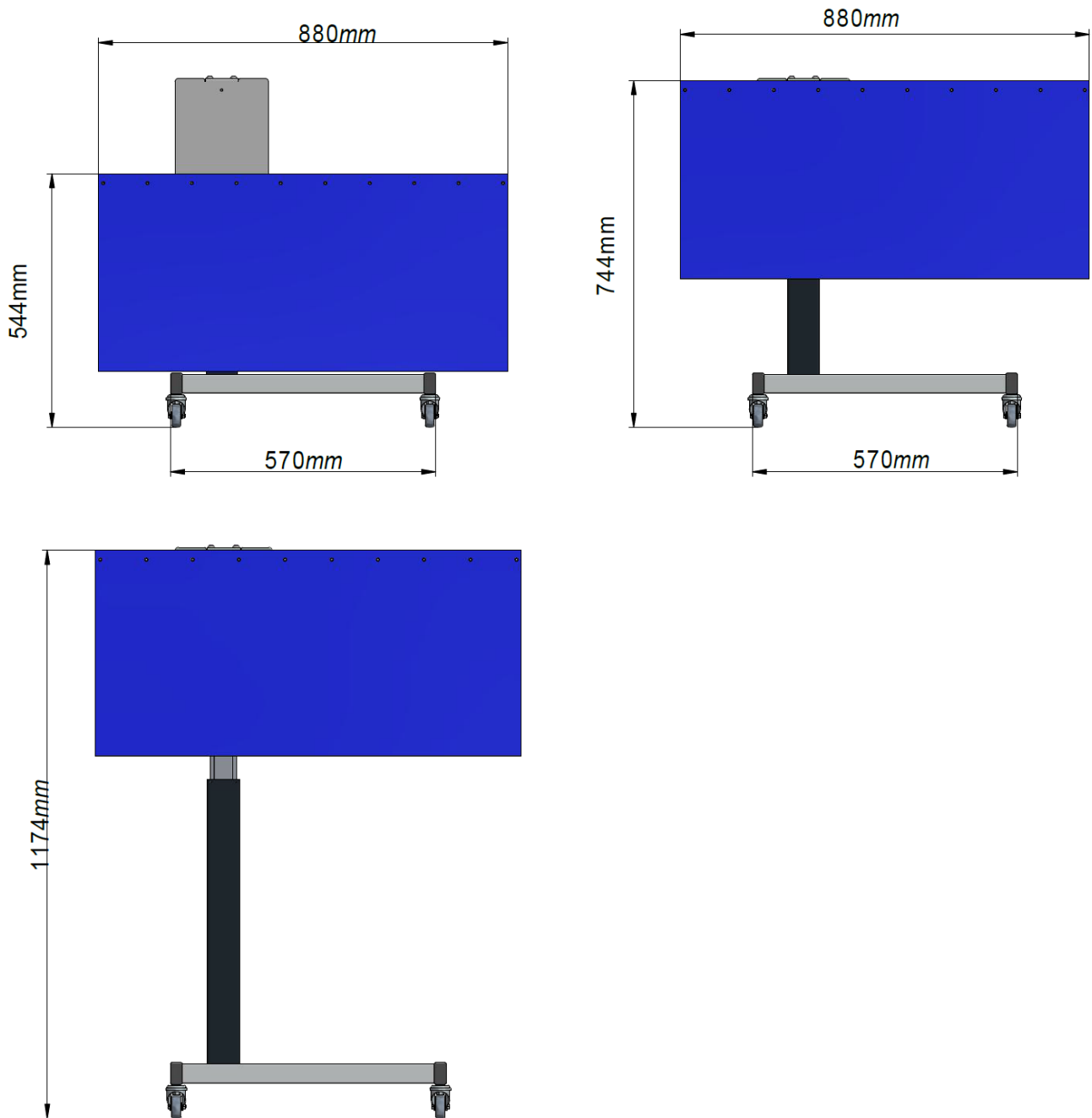
Protective curtains are suitable for protecting persons in, for example, the following applications:

- Passages
- Entrance to control room
- Shielding of patients during x-ray examinations in rooms
- Division of various workspaces
- Covering windows
- Room divisions

Protective curtains are available as:

- Single curtain
- Double and multiple curtains
- Round curtains

Portable x-ray protection



Portable and height-adjustable x-ray protection for shielding patients and/or their companions.

Especially well-suited for use in children's hospitals.

Foldable x-ray protective wall



Dimensions

Closed:	1.05m x 1.81m
One side open:	2.06m x 1.81m
Completely opened:	3.06m x 1.81m

Price and design on request.

Dunn-Rippstein system



Assisting device for pelvic imaging.