



Protection & Suspension Systems – Portfolio PP 2013 / 1 TP

Valid February 1st, 2013

MAVIG

Tradition and Innovation

COMPANY HISTORY

The manufacturing and trading company HÄNEL was founded in 1921.

The young company devoted itself to creating solutions for employee protection in high-risk work environments.

Even then, the family held company strived to create a model of today's corporate philosophy: The customer is the focal point, and their satisfaction is top priority.

The large-scale production of radiation and welder protective products came to the international market in the 1930s, and HÄNEL became an international leader with its MAVIG products.

In 1983, MAVIG created the foundation of the company's future with its new factory facility in the commercial park Moosfeld in Munich. The modern production and administration facilities were extended to over 5000 m², offering adequate space for further development and innovation.

The complete identification of the company and product became unified in 1999 by converting the company from Hänel GmbH into MAVIG GmbH.



1921



1960



1972



1985



today

THE FUTURE

For over 90 years, MAVIG has been successful worldwide as an independent innovator and manufacturer. MAVIG medical products stand for quality and dependability, which fulfill the highest international standards.

It is both our assurance and incentive that we devote our energy and expertise to further develop and market high-quality, customer orientated solutions. MAVIG invests a vast number of resources in the optimizing of existing products, as well as the development of tomorrow's next generation.

QUALITY MANAGEMENT AND CERTIFICATION – 100 % QUALITY IN THE FIELD OF WORKPLACE SAFETY

MAVIG is compliant and certified according to the applicable European Standards:

- EN ISO 13485 (Quality Management System for Medical Devices)
- 93/42/EEC (Eur. Directive for Medical Devices)
- 89/686/EEC (Eur. Directive for Personal Protective Equipment)
- ISO 14971 (Risk Management System)
- IEC 60601 (Medical Electrical Equipment's requirements for basic safety and essential performance)

MAVIG standard products are CE compliant and in most cases UL listed.

MAVIG® and Portegra® are registered trademarks of MAVIG GmbH.

General Terms of Business (Excerpt)

All sales transactions are done in EURO. Unless otherwise stated, prices of goods include packaging, and are FCA MAVIG, Munich (Incoterms 2010). In order to protect the interest of the purchaser, we recommend to obtain insurance to cover against loss, damage, and or theft of goods in transit.

Returned merchandise will not be accepted without prior written notice. Any merchandise received by MAVIG without written authorization shall be refused and returned to sender.

Returns are not accepted for lead glass and custom made products.

Special orders are sold on a non-refundable basis. All people authorized to use MAVIG products should be trained in their correct use and storage, as well as the dangers involved in exposure to radiation. The proper selection and use of MAVIG products are the sole responsibility of the purchaser. The purchase must only be made by a person competent in determining the requirements of X-ray protection and the particular applications in which they will be used.

No warranty or guarantee, either expressed or implied, is extended to cover personal injury or damage which may result due to improper use, storage, handling, or unauthorized use of MAVIG products. This warranty is in lieu of all warranties expressed or implied, including warranties of merchantability and fitness for purpose.

We reserve the right to make technical changes to our products or the content of the catalogue.

For our complete general terms of business please refer to our website or contact us.

www.mavig.com

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Portegra2: A Modular System for Numerous Applications

Components can be assembled like building blocks and can be tailored to your individual requirements. Of course, MAVIG can also offer customer specific solutions.

PORTEGRA²



Portegra2 suspension arm, a combination of extension & spring arm Page 14

Lamp and suspension arm combinations

Page 13



LE70050, -51, -52



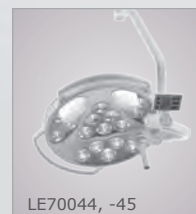
LE70069



LE70062, -64



LE70041, -43



LE70044, -45



LE70072, -74, -78



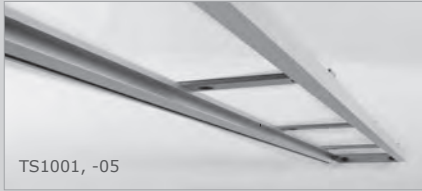
LE70082, -84

As Track Mounted or Stationary Installation



TS1002, -06

Cable spooler



TS1001, -05

Ceiling tracks and accessories

Page 9



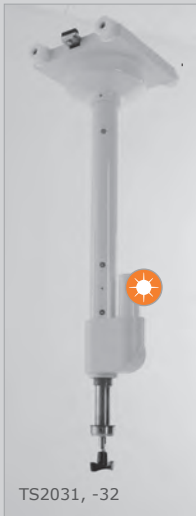
TS1520

Installation elements



TS1515

Page 10



TS2031, -32



TS1501, -02, -03

Ceiling columns with trolleys

Page 9



TS2020, -21, -22, -23



TS2001, -02, -03, -04, -05

Ceiling columns for stationary installation

Page 10



MAVIG columns are equipped standard with one electrical pin for a direct connection to a lamp. If a solution with two electrical pins is necessary, the Twin column can be upgraded upon request.

Radiation protective shields with suspension arm

Page 11



OT50001



OT50002



OT50003



OT50010



OT50011



OT80001, -02, -03

Monitor and equipment holders

Page 12



GD4020



GD4021



GD4210, GD4210-L



GD4220, GD4220-L/XL



Customized solution



Customized solution

The Worldwide Standard for Safe Equipment Support and Radiation Protection Systems – **Portegra2**



PATENTED by **MAVIG**

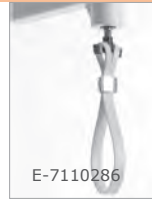
- Ceiling anchor
- Brake mechanism for track-guided systems
- The MAVIG Portegra2 spring arm
- Internal safety spring
- Defined braking point with safety cable catch
- A secondary pin lock

SAFETY & PERFORMANCE FEATURES

- Maximum load capacity of up to 18 kg (39.7 lbs) for each suspension arm
- The steel extension / spring arm ensures high stability against collisions
- UL listing (IEC 60601-1, Edition 2 + 3) and CE certification
- User-friendly, smooth edged design
- Allows for different load levels
- Easy spring arm tension adjustment
- Life Cycle Tested

PORTEGRA2
designed by MAVIG

CEILING TRACKS AND ACCESSORIES



MAVIG has set a standard for practices and hospitals in ceiling support and radiation protective systems. The ceiling track is suited for universal use of ceiling guided accessories, including radiation protective shields, lamps, injectors, monitors, and other equipment.

- The unique structure profile ensures smooth running of the carriage.
- With little force, the installed system can be moved and positioned.
- The carriage glides smoothly, even after many years of routine use.
- Adjustable cross-struts simplify the system installation

Standard track lengths of 250 cm (98 in) and 400 cm (157 in)
Other lengths available upon request (max. 500 cm / 196.9 in).

Article-No.	Description
TS1001	Versatile ceiling track width 335 mm, length = 250 cm
TS1002	Versatile ceiling track width 335 mm, length = 250 cm, with cable spooler
TS1005	Versatile ceiling track width 335 mm, length = 400 cm
TS1006	Versatile ceiling track width 335 mm, length = 400 cm, with cable spooler
E-TS10B06	Retro cable spooler fitting kit for track length = 250 cm
E-TS10B03	Retro cable spooler fitting kit for track length = 400 cm
TS10B04	Cable holders for the cable track, 3 piece set (recommended for 250 cm track)
TS10B04 / 5	Cable holders for the cable track, 5 piece set (recommended for 400 cm track)
E-7110286	Brake Handle Extension for Portegra2 columns with carriage, extra length = 270 mm

CEILING TRACK COLUMNS



MAVIG Columns for the Portegra2 System

Solid construction for maximum safety. Many years of development has led to MAVIG's unique steel columns. 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.

360° Column with Carriage (Trolley)

- Lower pin allows 360° rotation
- Upper pin is electrical with 240° rotation
- Maximum net load at spring arm adapter: 18.0kg (39.7 lbs)

Twin Column with Carriage (Trolley)

- One electrical pin and one standard pin at the same height
- Each pin offers a 240° rotation
- Maximum net load at spring arm adapter: 18.0 kg (39.7 lbs)
- Second electrical pin  available upon request

Article-No.	Description
TS2031	360° column with carriage, length = 800 mm
TS2032	360° column with carriage, length = 570 mm
TS1501	Twin column with carriage, length = 800 mm
TS1502	Twin column with carriage, length = 580 mm
TS1503	Twin column with carriage, length = 460 mm

Special construction upon request 360° column with carriage, minimal length = 530 mm / Twin column with carriage, minimal length = 420 mm

PT2

TS

OT

GD

LE

CA

UT

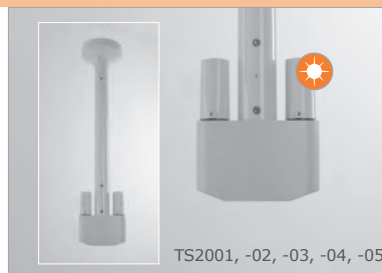
WD

VH

DGS

GR

COLUMNS FOR STATIONARY MOUNTING



MAVIG-Columns for the Portegra2-System

Solid construction for maximum safety.

Many years of development has led to MAVIG's unique steel columns. The proven construction, sturdy design, and numerous tests ensure the highest level of safety available. The patented ceiling anchor provides an extra level of protection, stopping the system from falling in the event that the mounting comes away from the ceiling.

Twin Column Stationary

- One electrical pin and one standard pin at the same height
- Each pin offers a 240° rotation
- Maximum net load at spring arm adapter: 18.0 kg (39.7 lbs)
- Second electrical pin available upon request

360° Column Stationary

- Lower pin allows 360° rotation
- Upper fixed pin is electrical with 240° rotation
- Maximum net load at spring arm adapter: 18.0 kg (39.7 lbs)

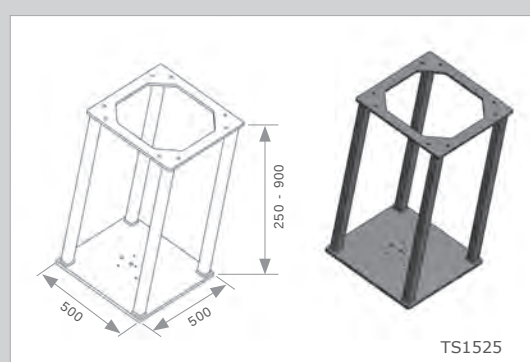
Article-No.	Description
TS2020	360° column stationary, length = 1000 mm
TS2021	360° column stationary, length = 850 mm
TS2022	360° column stationary, length = 650 mm
TS2023	360° column stationary, length = 580 mm
TS2001	Twin column stationary, length = 1000 mm
TS2002	Twin column stationary, length = 850 mm
TS2003	Twin column stationary, length = 580 mm
TS2004	Twin column stationary, length = 650 mm
TS2005	Twin column stationary, length = 460 mm
E-TS20B05	Electrical insulating kit for all stationary mounting columns

Special construction upon request 360° column stationary, minimal length = 530 mm / Twin column stationary, minimal length = 420 mm



When mounting a Portegra2 system in a suspended ceiling, we can offer custom made support structures.

A distance from 250 - 900 mm between the suspended ceiling and the solid ceiling above can be bridged.



Article-No.	Description
TS1515	Wall Mount for Portegra2 (max. load capacity of 13.0 kg (28.6 lbs))
TS1520	Mounting plate for stationary column (recommended for substructures, e.g. Unistrut®)
TS1525	Bridge/Support structure

EXTENSION / SPRING ARM FOR EQUIPMENT WITH UP TO 18.0 KG / 39.7 LBS

The MAVIG **ORTEGRA2** Arm Provides Maximum Flexibility

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 75 or 95 cm and a spring arm of 91 cm
- Multiple load bearing categories: 3.5 – 7.0 kg, 7.0 – 12.0 kg, 12.0 – 18.0 kg
- Shock absorbing, plastic covers to 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

MAVIG suspension arms are preset in the factory for the weight of the device it is delivered with.

Detailed information or replacement arms for Portegra2 systems are listed on page 14.

RADIATION PROTECTIVE SHIELDS WITH SUSPENSION ARM

Easy and Simple Operation for Safe Radiation Protection

The lead acrylic radiation protective shields have a lead equivalent of 0.50 mm. Our shields provide excellent optical transmittance, rounded corners & edges, and shatter-proof materials minimize the risk of injury. In an emergency, the shields can be moved out of the way quickly and easily.



Article-No.	Description
OT50001	Dimensions: 600 x 760 mm, Pb 0.50 mm, guided by a removable, height adjustable handle, transparent acrylic shield with a patient-contour cut out for positioning over the patient (PTZ6290/6272)
OTSTEA1	Sterile disposable transparent covers for OT50001, 50 pieces pack
OT50002	Dimensions: 500 x 390 mm, Pb 0.50 mm, guided by removable, height adjustable handle, transparent acrylic shield (PTZ6294/6274)
OT50003	Dimensions: 760 x 600 mm, Pb 0.50 mm, laterally guided, transparent acrylic shield with a patient contour cut-out for positioning over the patient (PTZ6272/SHB)
OT50010	Dimensions: 600 x 760 mm, Pb 0.50 mm, same as OT50001, but with flexible lead rubber panels in hygienic covers. (PTZ6290/6272)
OT50011	Dimensions: 500 x 390 mm, Pb 0.50 mm, same as OT50002, but with flexible lead rubber panels in hygienic covers. (PTZ6294/6274)
OT80001	Dimensions: 400 x 300 mm, Pb 0.50 mm, transparent acrylic shield, laterally guided with flexible lead rubber panels in hygienic covers. (PTZ6262 A)
OT80002	Dimensions: 500 x 380 mm, Pb 0.50 mm, transparent acrylic shield, laterally guided with flexible lead rubber panels in hygienic covers. (PTZ6262 A)
OT80003	Dimensions: 760 x 350 mm, Pb 0.50 mm, transparent acrylic shield, laterally guided with flexible lead rubber panels in hygienic covers. (PTZ6262 A)
OT4070	Debrun Shield: Large shield solution 1220 x 780 mm, based on GD70 (page 24) with lead acrylic shield, incl. a centre contour cut-out and lead rubber panels, Pb 0.50 mm
OT4075	Debrun Shield: Large shield solution 1220 x 780 mm, on track (length = 2.5 m), based on GD75 (page 24) with lead acrylic shield, incl. a centre contour cut-out and lead rubber panels, Pb 0.50 mm

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MONITOR SUPPORT, COMPATIBLE WITH THE PORTEGRA2-SYSTEM



GD4020



GD4021

GD4020 and GD4021

Flexible holder for one display. Double jointed hinge to allow a wide range of different viewing angles. In case of minor collisions, the monitor moves to the side. External cabling. Maximum weight load up to **10 kg / 22 lbs.**



Article-No.

Description

GD4020

Adjustable, single monitor holder* for most 15" to 17" displays, VESA adapter 100 mm

GD4021

Adjustable, single monitor holder* for most 15" to 17" displays, VESA adapter 100 mm with lateral handle

** Monitor holder without extension / spring arm, cabling and monitor(s).*

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.



GD4210

GD4220



GD4220

GD4210 and GD4220

Monitor support for one or two displays. External cabling. Maximum weight load up to **15 kg / 33 lbs.**



Article-No.

Description

GD4210

Portegra2 Monitor support* Mono for one monitor up to 19", VESA adapter 75 mm or 100 mm

GD4210-L

Portegra2 Monitor support* Mono for most monitors up to 21"/24", VESA adapter 75 mm or 100 mm

GD4220

Portegra2 Monitor support* Dual for two monitors up to 19", VESA adapter 100 mm

GD4220-L

Portegra2 Monitor support* Dual for most monitors up to 21"/24", VESA adapter 100 mm

GD4220-XL

Portegra2 Monitor support* Dual for most monitors up to 24"/26", VESA adapter 100 mm

** Monitor holder without extension / spring arm, cabling and monitor(s).*

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.



GD75



GD76



GD75 and GD76 (see pages 23 and 24)

The perfect solution for a track system with 335 mm width. Due to their slim design and lighter weight they can be easily used with the Portegra2 335 tracks. Many functions of the big systems are also included, such as a curved monitor alignment for a perfect viewing angle, and positioning grips for easy movement.

Maximum weight load for GD75 up to 29.0 kg / 63.9 lbs

Maximum weight load for GD76 up to 33.0 kg / 72.7 lbs

PORTEGRA2 - LAMP WITH SUSPENSION ARM
Light You Can Rely On

Our lamps enable optimal examination and operating conditions: Enhanced depth illumination, characteristics of daylight, reduction of heat dispersion to an absolute minimum, high-contrast colour reproduction, and recognition of the finest colour nuances. Our lamps are NRTL certified and delivered incl. extension (75 cm) and spring arm (91 cm) pre-adjusted to specific weight.



LE70082, -84



LE70050, -51, -52



LE70041, -43



LE70069



LE70044, -45



LE70062, -64



Video camera

Article-No.	Description	Lux
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LED	LE70041	M LED120F, focusable LED examination lamp, sterilizable handle, power supply unit	40,000
	LE70043	M LED130F, focusable LED examination lamp, sterilizable handle, power supply unit	60,000
	LE70044	M LED2 SC, single colour LED for examination and minor surgery, power supply unit	100,000
	LE70045	M LED2 MC, multi colour LED for examination and minor surgery, power supply unit	100,000
	LE70072	M LED3 SC, single colour surgical LED lamp, power supply unit	130,000
	LE70074	M LED3 MC, multi colour surgical LED lamp, power supply unit	130,000
	LE70078	M LED3 MC VIDEO, multi colour surgical LED lamp, power supply unit, and video system*	130,000
	LE70051	Lamp M130F, with internal transformer (230 V)	50,000
Halogen	LE70051-ST	Lamp M130F, with internal transformer (230 V), with sterilizable handle	50,000
	LE70050	Lamp M130F, with internal transformer (110 V)	50,000
	LE70050-ST	Lamp M130F, with internal transformer (110 V), with sterilizable handle	50,000
	LE70052	Lamp M130F, 24 V	50,000
	LE70052-ST	Lamp M130F, 24 V, with sterilizable handle	50,000
	LE70069 / 230	Lamp M2-F, with external transformer (230 V)	90,000
	LE70069 / 110	Lamp M2-F, with external transformer (110 V)	90,000
	LE70069 / 24	Lamp M2-F, for 24 V	90,000
	LE70062 / 230	Lamp M3-F, with external transformer (230 V)	100,000
	LE70062 / 110	Lamp M3-F, with external transformer (110 V)	100,000
	LE70062 / 24	Lamp M3-F, for 24 V	100,000
	LE70064 / 230	Lamp M3-DF, with external transformer (230 V)	130,000
	LE70064 / 110	Lamp M3-DF, with external transformer (110 V)	130,000
	LE70064 / 24	Lamp M3-DF, for 24 V	130,000
	LE70068 / 230	Lamp M3-F, with video system* and external transformer (230 V)	100,000
	LE70068 / 110	Lamp M3-F, with video system* and external transformer (110 V)	100,000
	LE70067 / 230	Lamp M3-DF, with video system* and external transformer (230 V)	130,000
	LE70067 / 110	Lamp M3-DF, with video system* and external transformer (110 V)	130,000

Note: Due to a higher weight are LED5 lamps only available with a central axis system

CA	LE-Z-70082	M LED5 SC, single colour surgical LED lamp, power supply unit	160,000
	LE-Z-70084	M LED5 MC, multi colour surgical LED lamp, power supply unit	160,000

* Video system includes camera, control board, cabling

** LED2/LED3/LED5 lamps are all equipped with a laser pointer

PT2

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SUSPENSION ARM (EXTENSION / SPRING ARM) FOR EQUIPMENT UP TO 18 KG



E-OT75-70120

The MAVIG Portegra2 suspension arm provides the mobility needed so that radiation protection and other equipment can always be positioned where required.

Patented Safety Features:

A sophisticated safety collar prevents the separation of the connection joint. This is combined with our safety spring to keep the connection from loosening, allowing a long and trouble-free product life. As well, a defined breaking point, including an internal safety steel cable, provides controlled safety even in case of heavy collision with other equipment.

PORTEGRA2 EXTENSION / SPRING ARM, 750 / 910 MM, ELECTRICAL FOR LAMPS (page 13)



Article-No.	Description
E-LE75-3570	Weight load 3.5 – 7.0 kg (7.7 - 15.4 lbs)
E-LE75-70120	Weight load 7.0 – 12.0 kg (15.4 - 26.5 lbs)
E-LE75-120180	Weight load 12.0 – 18.0 kg (26.5 - 39.7 lbs)

PORTEGRA2 EXTENSION / SPRING ARM, 950 / 910 MM, ELECTRICAL FOR LAMPS (page 13)



Article-No.	Description
E-LE95-3570	Weight load 3.5 – 7.0 kg (7.7 - 15.4 lbs)
E-LE95-70120	Weight load 7.0 – 12.0 kg (15.4 - 26.5 lbs)
E-LE95-120150	Weight load 12.0 – 15.0 kg (26.5 - 39.7 lbs)

PORTEGRA2 EXTENSION / SPRING ARM, 750 / 910 MM, NON-ELECTRICAL

Article-No.	Description
E-OT75-3570	Weight load 3.5 – 7.0 kg (7.7 - 15.4 lbs)
E-OT75-70120	Weight load 7.0 – 12.0 kg (15.4 - 26.5 lbs)
E-OT75-120180	Weight load 12.0 – 18.0 kg (26.5 - 39.7 lbs)

PORTEGRA2 EXTENSION / SPRING ARM, 950 / 910 MM, NON-ELECTRICAL

Article-No.	Description
E-OT95-3570	Weight load 3.5 – 7.0 kg (7.7 - 15.4 lbs)
E-OT95-70120	Weight load 7.0 – 12.0 kg (15.4 - 26.5 lbs)
E-OT95-120150	Weight load 12.0 – 15.0 kg (26.5 - 39.7 lbs)

CENTRAL AXIS: SUSPENSION SYSTEM FOR EQUIPMENT UP TO 21 KG

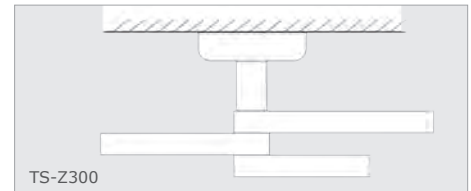
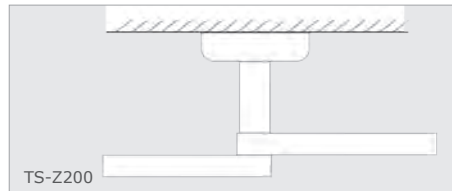
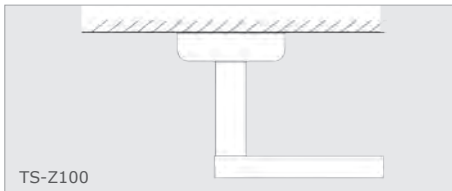


Central Axis

This suspension system is for equipment with a combined total weight of up to 63 kg. Monitors, lamps and other end devices with individual weights of up to 21 kg can now be grouped together on one ceiling column. The system can support one, two, or three arms with a maximum extension arm length of 1150 mm.

The central axis allows unimpeded 360° rotation. Even electrical equipment such as OR lamps can be optimally positioned. Please contact us for cabling options.

Upper and lower column extension arm joints can be fitted with a turn stop if needed.

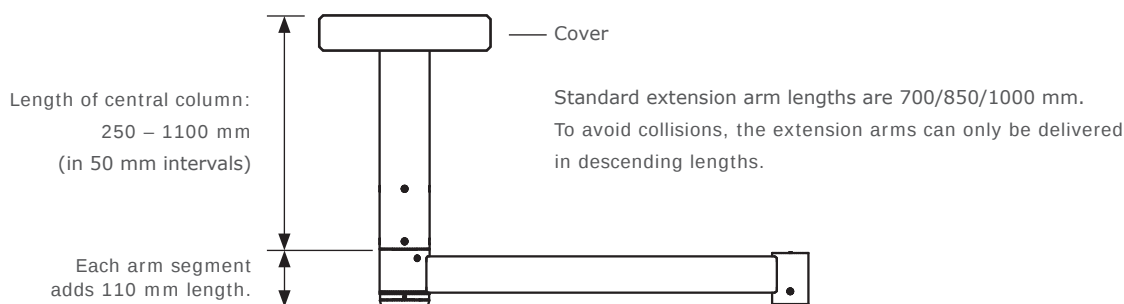


Article-No.	Description
TS-Z100	Central axis with one extension arm
TS-Z200	Central axis with two extension arms
TS-Z300	Central axis with three extension arms
TS-Z1530	Mounting Plate

MONITOR HOLDERS, SHIELDS, AND LAMPS – CENTRAL AXIS

Article-No.	Description
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- The system includes a central ceiling column, ceiling cover, and extension arm(s).



The central axis system can be combined with all Portegra2 devices.

Please refer to the appropriate pages in this catalogue for information and price on monitor holders, shields, and lamps of the Portegra2 system.

PT2

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MONITOR SUSPENSION SYSTEMS

Sleek, Versatile, and Compact



For decades now, MAVIG has enjoyed being the first choice in monitor suspension systems. The stable, high-quality systems are perfectly designed for the daily needs of hospitals or radiology practices.

In addition, our monitor carriers offer the upmost safety with high flexibility. Monitor compatibility is not a problem with MAVIG suspension systems. You are able to mount monitors of your choice, which use the market standard VESA-Adaptors.

MAVIG Life Cycle Testing ensures 100% quality of all delivered products.

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MONITOR SUSPENSION SYSTEMS

Sleek, Versatile and Compact

For an easy installation and frictionless movement, please use this overview to decide which Monitor Suspension System is right for your needs.

What do you require?

- Stationary system or a track system?
- How many monitors are required?
- What is the total weight?
- Internal or external cabling?

Attention: We strongly recommend that the ceiling load capacity is tested by a structural engineer before installing! Installation should only be carried out by qualified personnel.

Note: To deliver the correct modified monitor suspension system we need more specific information of the monitor(s) to be installed.

- Dimensions of monitor(s) incl. frame
- Weight of monitor(s) incl. cables
- Backside drawing of monitor(s) incl. size and position of the VESA adapter

Our specialists will be happy to answer any further questions you may have regarding selection and planning.

System / Holder		Cabling	 1 Monitor
	GD40 GD4020, GD4021	External cabling only.	• Stationary mounted • For MAVIG Track 335 • Max. weight load < 10.0 kg / 22 lbs
	GD42 GD4210, GD4220	External cabling only.	• Stationary • For MAVIG Track 335 • Max. weight load < 9.5 kg / 20.9 lbs
	GD42-L/XL GD4210-L, GD4220-L, GD4220-XL for monitors up to 26"	External cabling only.	• Stationary • For MAVIG Track 335 • Max. weight load GD4210-L < 15.4 kg / 34 lbs
	GD70	External cabling only.	• Stationary • Max. weight load < 25.0 kg / 55.1 lbs
	GD75	External cabling only.	• For MAVIG Track 335 • Max. weight load < 25.0 kg / 55.1 lbs
	GD72 (For export only!)	Internal cabling.	• Stationary • Max. weight load < 34.0 kg / 75.0 lbs
	GD76 (For export only!)	Internal cabling.	• For MAVIG Track 335 • Max. weight load < 34.0 kg / 75.0 lbs
	GD65 (For export only!)	Internally precabled.	
	GD60 (for monitors up to 60" and weight loads up to 130.0 kg / 286.6 lbs upon request)	Internally precabled.	• Stationary • For MAVIG or OEM Tracks • Max. weight load < 130.0 kg / 286.6 lbs • Cardanic joint for smooth movement and collision safety
	MD70	Internal cabling optional.	• Mobile cart • Max. weight load < 27.0 kg / 59.5 lbs

* All given weights are the total standard weights of monitors including cables, that can be attached to the monitor holder. GD60 suspension systems for higher weight loads up to 130.0 kg (286.6 lbs) are upon request.
(The pictures show only application examples, monitors are not included.)

2 Monitors	3 Monitors	4 Monitors	6 Monitors	8 Monitors	PT2
					TS
• Stationary • For MAVIG Track 335 • Max. weight load < 15.0 kg / 33 lbs					OT
• Stationary • For MAVIG Track 335 • Max. weight load GD4220-L < 14.5 kg / 32 lbs GD4220-XL < 14.2 kg / 31 lbs					GD
• Stationary • Max. weight load < 29.0 kg / 63.9 lbs	• Stationary • Max. weight load < 27.0 kg / 59.5 lbs • Upgrade Kit from two to three monitors available				LE
• For MAVIG Track 335 • Max. weight load < 29.0 kg / 63.9 lbs	• For MAVIG Track 335 • Max. weight load < 27.0 kg / 59.5 lbs • Upgrade Kit from two to three monitors available				CA
• Stationary • Max. weight load < 33.0 kg / 72.7 lbs	• Stationary • Max. weight load < 31 kg / 68.3 lbs				UT
• For MAVIG Track 335 • Max. weight load < 33.0 kg / 72.7 lbs	• For MAVIG Track 335 • Max. weight load < 31.0 kg / 68.3 lbs				WD
• Stationary • For MAVIG Track 480 • Max. weight load < 45.0 kg / 99.2 lbs • Cardanic joint for smooth movement and collision safety	• Stationary • For MAVIG Track 480 • Max. weight load < 40.0 kg / 88.2 lbs • Cardanic joint for smooth movement and collision safety	• Stationary • For MAVIG Track 480 • Max. weight load < 36.0 kg / 79.4 lbs • Cardanic joint for smooth movement and collision safety			VH
• Stationary • For MAVIG or OEM Tracks • Max. weight load < 35.0 kg / 77.2 lbs • Cardanic joint for smooth movement and collision safety	• Stationary • For MAVIG or OEM Tracks • Max. weight load < 32.0 kg / 70.5 lbs • Cardanic joint for smooth movement and collision safety	• Stationary • For MAVIG or OEM Tracks • Max. weight load < 48.0 kg / 105.8 lbs • Cardanic joint for smooth movement and collision safety	• Stationary • For MAVIG or OEM Tracks • Max. weight load < 62.0 kg / 136.7 lbs • Cardanic joint for smooth movement and collision safety	• Stationary • For MAVIG or OEM Tracks • Max. weight load < 79.0 kg / 174.2 lbs • Cardanic joint for smooth movement and collision safety	DGS
• Mobile cart • Max. weight load < 27.0 kg / 59.5 lbs	• Mobile cart • Max. weight load < 27.0 kg / 59.5 lbs				GR

Subject to change. © MAVIG GmbH 10/2012.



Multifunctional, even for Large Monitors
Individual and Efficient

GD60



GD60 – The Versatile Monitor Suspension System

Our patented Cardanic joint, friction free operation, automatic weight balancing, internally precabled, and the rapid adjustment to different monitor sizes are only some of the many features provided. The system is designed for heavy load conditions, supporting a weight capacity of up to 130.0 kg / 286.6 lbs.

The Cardanic joint allows rapid movement of the system in case of emergency, eliminates the effects of friction, and enhances system life.

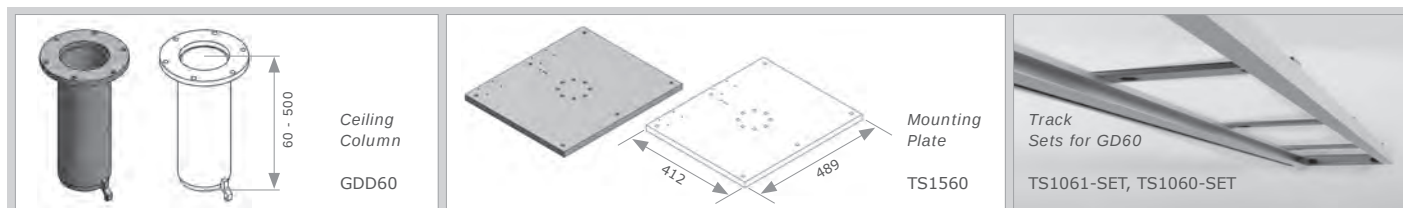
- Stationary mounted
- OEM tracks
- MAVIG special track, width 710 mm
- Heavy weight loads up to 130.0 kg / 286.6 lbs
(for standard individual weight loads please see pages 18 and 19)
- Quantity of monitors: 1 - 8
- Internally precabled, each cable with a length of 30 m
- Cardanic joint for more security in case of collision

Attention: We strongly recommend inspection of the ceiling load capacity before installing. Mounting should only be done by qualified personnel.

MONITOR SUSPENSION (HOLDER FRAME AND SPRING ARM):

Article-No.	Description	Cabling
GD60W-2-F	Supports 2 monitors in a row	Full (earth/ground+power cable, 2x BNC, 1x VGA)
GD60W-2-F / A	Supports 2 monitors in a row	Basic (earth/ground+power cable)
GD60W-3-F	Supports 3 monitors in a row	Full (earth/ground+power cable, 3x BNC, 1x VGA)
GD60W-3-F / A	Supports 3 monitors in a row	Basic (earth/ground+power cable)
GD60W-4.1-F	Supports 4 monitors in a row	Full (earth/ground+power cable, 4x BNC, 1x VGA)
GD60W-4.1-F / A	Supports 4 monitors in a row	Basic (earth/ground+power cable)
GD60W-4.2-F	Supports 4 monitors 2-over-2	Full (earth/ground+power cable, 4x BNC, 2x VGA)
GD60W-4.2-F / A	Supports 4 monitors 2-over-2	Basic (earth/ground+power cable)
GD60W-6-F	Supports 6 monitors 3-over-3	Full (earth/ground+power cable, 6x BNC, 2x VGA)
GD60W-6-F / A	Supports 6 monitors 3-over-3	Basic (earth/ground+power cable)
GD60W-8-F	Supports 8 monitors 4-over-4	Full (earth/ground+power cable, 8x BNC, 2x VGA)
GD60W-8-F / A	Supports 8 monitors 4-over-4	Basic (earth/ground+power cable)
GD60W-W-F / A	Supports monitors with screens over 32"	Basic (earth/ground+power cable)
GD60W-W-P / A	Supports monitors with screens over 32" including a protective frame	Basic (earth/ground+power cable)
GD60-Z	VESA adapter + 1x BNC cable (30 m) for adding an additional backup monitor	

MONTING OPTIONS FOR GD60:



Article-No.	Description
GDD60	Ceiling column (length 60 to 500 mm)
TS1560	Mounting plate (489 x 412 mm)
TS1061-SET	Set containing a 2.50 m track, reinforced wagon/trolley, mounting parts and cable trolleys
TS1060-SET	Set containing a 4.25 m track, reinforced wagon/trolley, mounting parts and cable trolleys

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MONITOR SUSPENSION SYSTEMS

GD65



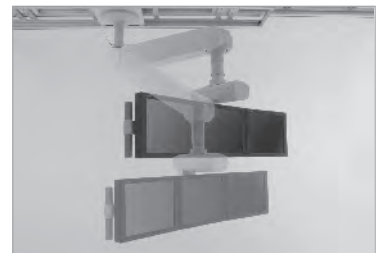
Export only - Not available in Germany.

GD65 – The Powerful Monitor Suspension with Maximum Mobility

The GD65 combines the versatile MAVIG track system with the sophisticated MAVIG suspension for two to four monitors, designed for easy, friction free operation. In case of collisions during use, the Cardanic joint of the GD65 smoothly repositions itself with no damage to the people or instruments. The modular system allows the installation of additional monitors, infrared receivers, and other accessories. The patented track system is simple to install and offers maximum safety. Standard length of column: 300 mm

- Stationary mounted
- MAVIG ceiling track, width 480 mm
- Max. weight load 45.0 kg / 99.2 lbs
- Quantity of monitors: 2 - 4
- Internally precabled, each cable with a length of 30 m
- Cardanic joint for more security in case of collision

Attention: We strongly recommend inspection of the ceiling load capacity before installing. Mounting should only be done by qualified personnel.



FOR STATIONARY MOUNTING:

Article-No.	Description	Cabling
GD65W-2F	Supports 2 monitors	Full (earth/ground+power cable, 2x BNC, 1x VGA)
GD65W-3F	Supports 3 monitors	Full (earth/ground+power cable, 3x BNC, 1x VGA)
GD65W-4F	Supports 4 monitors	Full (earth/ground+power cable, 4x BNC, 1x VGA)

* Monitor holder without monitor(s).

NOTE: *Monitor data sheet will be needed to order the proper suspension arm.*

FOR MAVIG CEILING TRACK, WIDTH 480 MM:

Article-No.	Description	Cabling
GD65W-2-TS25	Supports 2 monitors, track length 2.5 m	Full (earth/ground+power cable, 2x BNC, 1x VGA)
GD65W-3-TS25	Supports 3 monitors, track length 2.5 m	Full (earth/ground+power cable, 3x BNC, 1x VGA)
GD65W-4-TS25	Supports 4 monitors, track length 2.5 m	Full (earth/ground+power cable, 4x BNC, 1x VGA)
GD65W-2-TS40	Supports 2 monitors, track length 4.0 m	Full (earth/ground+power cable, 2x BNC, 1x VGA)
GD65W-3-TS40	Supports 3 monitors, track length 4.0 m	Full (earth/ground+power cable, 3x BNC, 1x VGA)
GD65W-4-TS40	Supports 4 monitors, track length 4.0 m	Full (earth/ground+power cable, 4x BNC, 1x VGA)

* Monitor holder without monitor(s).

NOTE: *Monitor data sheet will be needed to order the proper suspension arm.*

GD72 / 76



Export only - Not available in Germany.

GD72 (Stationary) and GD76 (for MAVIG Ceiling Track) – The Smart Monitor Suspension System

Supports a load of up to 33.0 kg (72.7 lbs) with a flexible spring arm and internal cabling, which is generally seen only in larger systems. Thanks to this, the GD72 is a great compact alternative when only one to three monitors are required.

With use of the spring arm, the monitors can be easily positioned. The patented MAVIG ceiling track systems enable a larger positioning area, but are still easy to install and offer high security.

Standard length of column: 300 mm

- GD72 – Stationary mounted
- GD76 – MAVIG ceiling track, width 335 mm
- Max. weight load 34.0 kg / 75.0 lbs
- Quantity of monitors: 1 - 3
- Internal cabling

Attention: We strongly recommend inspection of the ceiling load capacity before installing. Mounting should only be done by qualified personnel.



FOR STATIONARY MOUNTING:

Article-No.	Description
GD72W-1	Supports 1 monitor
GD72W-2	Supports 2 monitors
GD72W-3	Supports 3 monitors
TS1535	Bridge/Support structure for GD72

* Monitor holder without cabling and monitor(s).

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.

FOR MAVIG CEILING TRACK, WIDTH 335 MM:

Article-No.	Description
GD76W-1TS25	Supports 1 monitor, track length 2.5 m
GD76W-2TS25	Supports 2 monitors, track length 2.5 m
GD76W-3TS25	Supports 3 monitors, track length 2.5 m
GD76W-1TS40	Supports 1 monitor, track length 4.0 m
GD76W-2TS40	Supports 2 monitors, track length 4.0 m
GD76W-3TS40	Supports 3 monitors, track length 4.0 m

* Monitor holder without cabling and monitor(s).

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.

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MONITOR SUSPENSION SYSTEMS

GD70 / 75



GD70 – The Economic Solution for Stationary Systems

The GD70 permits easy stationary mounting. Many functions of the big systems, like a curved horizontal rail for perfect viewing angle, aligned display positioning, and gripping handles are provided.

GD75 – The Economic Solution for MAVIG Ceiling Track

The GD75 also contains the features of a curved horizontal rail for perfect viewing angle, aligned display positioning, and gripping handles. Due to its slim design and lower weight, the GD75 can easily be used in pre-installed, MAVIG Portegra2 tracks.

- GD70 – Stationary mounted
- GD75 – MAVIG ceiling track, width 335 mm
- Max. weight load 29.0 kg / 63.9 lbs
- Quantity of monitors: 1 – 3
- Length of the column can be between 250 and 800 mm
- External cabling

Attention: We strongly recommend inspection of the ceiling load capacity before installing. Mounting should only be done by qualified personnel.

FOR STATIONARY MOUNTING:

Article-No.	Description
GD70-1	Stationary monitor support for 1 monitor
GD70-2	Stationary monitor support for 2 monitors
GD70-3	Stationary monitor support for 3 monitors
TS1535	Bridge/Support structure for GD70

* Monitor holder without cabling and monitor(s).

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.

FOR MAVIG CEILING TRACK, WIDTH 335 MM:

Article-No.	Description
GD7520-1	Supports 1 monitor, track length 2.5 m
GD7520-2	Supports 2 monitors, track length 2.5 m
GD7520-3	Supports 3 monitors, track length 2.5 m
GD7540-1	Supports 1 monitor, track length 4.0 m
GD7540-2	Supports 2 monitors, track length 4.0 m
GD7540-3	Supports 3 monitors, track length 4.0 m

* Monitor holder without cabling and monitor(s).

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.

MONITOR SUPPORT, COMPATIBLE WITH THE PORTEGRA2-SYSTEM



GD4020



GD4021

GD4020 and GD4021

Flexible holder for one display. Double jointed hinge to allow a wide range of different viewing angles. In case of minor collisions, the monitor moves to the side. External cabling. Maximum weight load is **10 kg / 22.0 lbs**



Article-No.

Description

GD4020

Adjustable, single monitor holder* for most 15" to 17" displays, VESA adapter 100 mm

GD4021

Adjustable, single monitor holder* for most 15" to 17" displays, VESA adapter 100 mm with lateral handle

* Monitor support without extension / spring arm, cabling and monitor(s).

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.



GD4210

GD4220



GD4220

GD4210 and GD4220

Monitor support for one or two displays. External cabling. Maximum weight load is **15 kg / 33.1 lbs**



Article-No.

Description

GD4210

Portegra2 Monitor support* Mono for one monitor up to 19", VESA adapter 75 mm or 100 mm

GD4210-L

Portegra2 Monitor support* Mono for most monitors up to 21"/24", VESA adapter 75 mm or 100 mm

GD4220

Portegra2 Monitor support* Dual for two monitors up to 19", VESA adapter 100 mm

GD4220-L

Portegra2 Monitor support* Dual for most monitors up to 21"/24", VESA adapter 100 mm

GD4220-XL

Portegra2 Monitor support* Dual for most monitors up to 24"/26", VESA adapter 100 mm

* Monitor holder without extension / spring arm, cabling and monitor(s).

NOTE: Monitor data sheet and weight of cabling will be needed to order the proper suspension arm.

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MONITOR SUSPENSION SYSTEMS

CART MD70



MD70 – The Mobile Solutions for Limited Space

A mobile system for up to three monitors created for rooms where ceiling suspension is not possible.

Designed for maximum safety and flexibility the MD70 can be easily moved to the exact location needed.

In addition, the MD70 comes with a cable holder to make sure that no excess cables are laying around during or after use.

- Weight load < 27.0 kg / 59.5 lbs
- Supports up to three 19" monitors
- Internal cabling optional



Article-No.	Description
MD-70-1	Monitor cart* for one display
MD-70-2	Monitor cart* for two displays
MD-70-3	Monitor cart* for three displays

* Cart MD70 without cabling and monitor(s).

NOTE: *Total monitor dimensions and VESA adaptor location should be given to confirm compatibility.*

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Safe & Comfortable

LOWER BODY PROTECTION

Lower body protective systems are an integral part of every radiation protection concept for interventional radiology and OR. They reduce secondary radiation substantially. Optimal protection is ensured only with the combination of ceiling-suspended radiation protection and lower body protection with an upper shield. The ceiling-suspended system and the lower body protector shield the examiner against secondary radiation emanating from the body of the patient. The lower body protection absorbs radiation from underneath the table and shields the lower extremities and genital area of the examiner.

Advantages of MAVIG Lower Body Protectors

- Easy to remove upper shields for uncomplicated patient transfers
- Individual soft lead rubber panels for better movement of the C-arm, higher doctor comfort and easier part replacement
- Angled upper shields for excellent patient access and protection from secondary radiation
- Simple part replacement. All components are exchangeable so that the entire system does not need to be replaced
- Stainless metal components



LOWER BODY PROTECTIVE SYSTEM UT69



UT69 - Lower Body Protection

The UT69 offers maximum protection, thanks to the intermediate double articulated joint and additional lateral lead panel (removeable). The upper shield can be removed quickly in case of emergency or for comfortable patient positioning.

- Overlapping, flexible X-ray protective panels with PVC covering
- Lead equivalent Pb 0.50 mm
- Height: 90.0 cm
- Widths: 65.0 cm (main part, 4 overlapping panels)
17.0 cm (additional panel)
- Two separate removeable upper shields with 17.0 cm and 25.0 cm height
- Two practical wall mounts included (model dependend)



Article-No.

Description

UT6901	Lower body protection Model 6269, two removable upper shields (17.0 cm + 25.0 cm)
UT6902	Lower body protection Model 6269, one removable upper shield (25.0 cm)
UT6904	Lower body protection Model 6269, one removable upper shield (17.0 cm)

IMPLEMENTATION FOR OPERATING ROOM TABLES

Lower body protection for operating room tables is a clever option for the protection of personal. The table takes over the weight load, allowing less drain for better performance of personal who need long duration protection. As the protective units can be pivoted to allow different angles of protection, they allow versatile usage, storage, and free movement, which is needed in today's OR and practices. All lower body protectors from MAVIG are suitable for flat profile rails 10 x 25 mm, a 9 x 25 mm version can be delivered too.

LOWER BODY PROTECTIVE PANELS UT30



UT30 - Lower Body Protection

The UT30 fills a gap in radiation protection for OP tables. The universal panels can be combined and strategically placed to adapt to multiple situations and user demands. The light weight panels are especially suitable for tables with height adjustable segments.

- Pb Value 0.50 mm
- Lengths: 60.0 cm, 75.0 cm or 90.0 cm; Width: 29.0 cm
- Adaptor dimensions: 10 x 25 mm and 9 x 25 mm
- Panels can be placed to create an overlapping effect

Article-No.

Description

UT3060SET	The set contains three panels, each 60.0 x 29.0 cm (L x W), Pb 0.50 mm
UT3075SET	The set contains three panels, each 75.0 x 29.0 cm (L x W), Pb 0.50 mm
UT3090SET	The set contains three panels, each 90.0 x 29.0 cm, (L x W) Pb 0.50 mm
UT3060SL	Single panel, 60.0 x 29.0 cm (L x W), Pb 0.50 mm
UT3075SL	Single panel, 75.0 x 29.0 cm (L x W), Pb 0.50 mm
UT3090SL	Single panel, 90.0 x 29.0 cm, (L x W) Pb 0.50 mm

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LOWER BODY PROTECTION

LOWER BODY PROTECTIVE SYSTEM UT68



UT68

UT68 - Lower Body Protection

The UT68 has the same specifications as the UT69, but without the intermediate articulated joint and additional lateral lead panel. The horizontally pivotable adapter can be adjusted as needed for better protection and space for a C-arm.

- Overlapping, flexible X-ray protective panels with PVC covering
- Lead equivalent Pb 0.50 mm
- Height: 90.0 cm
- Width: 60.0 cm (4 overlapping panels)
- Two separate removeable upper shields available in 17.0 cm and 25.0 cm height
- Two practical wall mounts included



UT68

Article-No.	Description
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UT6801	Lower body protection Model 6268, includes two removable upper shields (17.0 cm + 25.0 cm)
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UT6802	Lower body protection Model 6268, one removable upper shield (25.0 cm)
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LOWER BODY PROTECTIVE SYSTEM UT65



UT6502

UT65 - Lower Body Protection

Single jointed lower body protection with flexible overlapping lead rubber panels (Pb 0.50 mm), two removable upper shields to facilitate patient positioning, and a wall mount set for easy storage of the individual components.

- Overlapping, flexible X-ray protective panels with PVC covering
- Lead equivalent Pb 0.50 mm
- Height: 90.0 cm
- Widths: 64.5 cm (main part, 4 overlapping panels)
34.0 cm (extra lead panel)
- Two separate removeable upper shields with 17.0 cm and 25.0 cm height
- Two practical wall mounts included



UT6502



UT6501

Article-No.	Description
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UT6501	Lower body protection Model 6265, UT shield left of rail adapter
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UT6502	Lower body protection Model 6265, UT shield right of rail adapter
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LOWER BODY PROTECTIVE SYSTEM UT60



UT60

UT60 - Lower Body Protection

The UT60 is MAVIG's answer to table mounted protection for tiltable tables. The lower sway panels self adjust to a table inclination of 15°. A double jointed rail adapter allows the user to place the shield as close as possible to the table to better protect against secondary radiation. The UT60 has been designed so that it can be placed on either side of the table offering a more versatile protection.

- Overlapping, flexible X-ray protective panels with PVC covering
- Lead equivalent Pb 0.50 mm
- Two practical wall mounts included (UT6020 only)

	UT6020 (main part)	UT6010 (under table)
Height:	75.0 cm 31.0 cm (upper shield)	72.0 cm
Width:	49.0 cm (3 overlapping panels) 20.0 cm (adapted sway panel)	67.0 cm (4 overlapping panels)

Article-No.

Description

UT6020

Lower body protection Model 6260

UT6010

Additional shield – only for Siemens Artis T-foot table

LOWER BODY PROTECTIVE SYSTEM UT67



UT67

UT67 - Lower Body Protection

MAVIG's economic solution. The shield is made of one large flexible panel with a pivot joint. The upper shield is attached and not removable.

- One flexible X-ray protective panel with PVC covering
- Lead equivalent Pb 0.50 mm
- Height: 90.0 cm (incl. upper shield)
- Width: 45.0 cm

Article-No.

Description

UT6701

Lower body protection Model 6267

LOWER BODY PROTECTION WD260



WD260

WD260 - Lower Body Protection

This mobile shield is a great solution for situations when a standard table mounted system can not achieve the protection needed, or for tables that lack accessory rails. Simply roll the WD260 into position and lock in place.

- Overlapping, flexible X-ray protective panels with PVC covering
- Lead equivalent Pb 0.50 mm
- Height: 100.0 cm
- Widths: 60.0 cm (middle part)
20.0 cm (each angled side part)
- Two separate removeable upper shields with 17.0 cm or 25.0 cm height available
- Electroconductive casters/wheels for easy maneuverability

Article-No.

Description

WD260 / 100 / 81 / E

Mobile lower body protection with two removable upper shields (25.0 cm + 17.0 cm height), a 60.0 x 100.0 cm middle section and 20.0 x 100.0 cm angled sections each side, all in Pb 0.50 mm

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MOBILE SHIELDS

Moveable Protective Shields for Flexible Use

MAVIG produces mobile shields from the most modern protective material in a variety of options. All requirements of equipment and procedural methodology of the operation room, as well as all demands of the personnel have been taken into consideration. We of course welcome specific needs of our clients in addition to our standard offerings.

With exception to models WD254, WD255, and WD258, all of our mobile shields are fitted with special wheels to reduce electrostatic electricity.



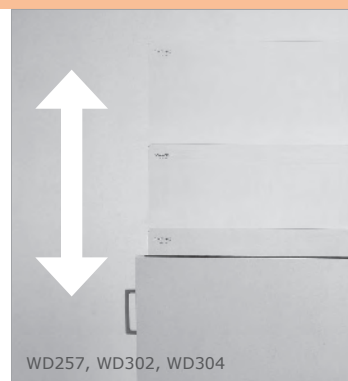
MOBILE SHIELDS



WD2571



WD3021



WD257, WD302, WD304



WD3041



WD260

Article-No.

Description

WD2571

Steel plate body (Pb 1.00 mm), width: 78.0 cm, height: 104.0 cm
Height adjustable lead acrylic shield (Pb 0.50 mm), width: 70.0 cm, overall height: 115.0 - 188.0 cm

WD3021

Steel plate body (Pb 1.00 mm), width: 78.0 cm, height: 78.0 cm
Height adjustable lead acrylic shield with contour cutout (Pb 0.50 mm), width: 70.0/110.0 cm, overall height: 143.0 - 190.0 cm

WD3041

Steel plate body (Pb 1.00 mm), width: 78.0 cm, height: 78.0 cm, with an extra lower body protection attachment of overlapping lead rubber panels (Pb 0.50 mm), width: 50.0 cm
Height adjustable lead acrylic shield with contour cutout (Pb 0.50 mm), width: 70.0/110.0 cm, overall height: 143.0 - 190.0 cm

E-WD304B02

Side panel upgrade kit from a WD302 to a WD304 (extra lower body protection attachment)

WD260 / 100 / 81 / E

Mobile lower body protection with two removable upper shields (heights: 25.0 cm and 17.0 cm), a 60.0 x 100.0 cm middle section and 20.0 x 100.0 cm angled sections each side, all in Pb 0.50 mm
Width: 83.0 cm, height: 100.0 cm (without upper shields)

* All mobile shields on this page are equipped with electroconductive casters/wheels.

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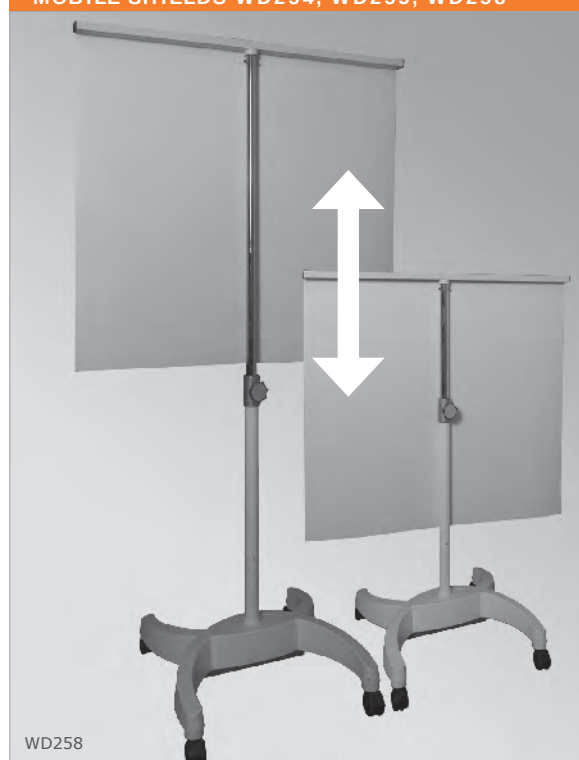
MOBILE SHIELDS



Article-No.	Description
WD300	Curved lead-acrylic shield with side arm cutouts, Pb 0.50 mm, 60.0 x 178.5 cm (W x H) Overall height: 190.0 cm, width: 82.0 cm (base)
WD306 / 0.5 / 1000	Mobile protective shield, Pb 0.50 mm, 100.0 x 187.0 cm (W x H) Overall height: 197.0 cm, width: 138.0 cm (base)
WD306 / 0.5 / 1300	Mobile protective shield, Pb 0.50 mm, 130.0 x 187.0 cm (W x H) Overall height: 197.0 cm, width: 167.0 cm (base)
WD306 / 1.0 / 1000	Mobile protective shield, Pb 1.00 mm, 100.0 x 187.0 cm (W x H) Overall height: 197.0 cm, width: 138.0 cm (base)
WD306 / 1.0 / 1300	Mobile protective shield, Pb 1.00 mm, 130.0 x 187.0 cm (W x H) Overall height: 197.0 cm, width: 167.0 cm (base)
WD308 / 0.5 / 800	Mobile protective shield, Pb 0.50 mm, 80.0 x 100.0 cm (W x H) Overall height: 110.0 cm, width: 117.0 cm (base)
WD308 / 0.5 / 1000	Mobile protective shield, Pb 0.50 mm, 100.0 x 185.0 cm (W x H) Overall height: 195.0 cm, width: 117.0 cm (base)
WD308 / 1.0 / 800	Mobile protective shield, Pb 1.00 mm, 80.0 x 100.0 cm (W x H) Overall height: 110.0 cm, width: 117.0 cm (base)
WD308 / 1.0 / 1000	Mobile protective shield, Pb 1.00 mm, 100.0 x 185.0 cm (W x H) Overall height: 195.0 cm, width: 117.0 cm (base)

* All given overall heights include the electroconductive casters/wheels.

MOBILE SHIELDS WD254, WD255, WD258



Article-No.

Description

WD2541B	Foldable protective screen in Pb 1.00 mm, with a middle section (width: 80.0 cm) and two side, sections (width: 60.0 cm), overall height 200.0 cm; including a 40.0 x 30.0 cm lead glass window
WD2542B	Foldable protective screen in Pb 2.00 mm, with a middle section (width: 80.0 cm) and two side, sections (width: 60.0 cm), overall height 200.0 cm; including a 40.0 x 30.0 cm lead glass window
WD2551B	Mobile protective screen, 100.0 x 200.0 cm (W x H), Pb 1.00 mm, including a 40.0 x 30.0 cm lead glass window
WD2552B	Mobile protective screen, 100.0 x 200.0 cm (W x H), Pb 2.00 mm, including a 40.0 x 30.0 cm lead glass window
WD258	Mobile bed screen 90.0 x 70.0 cm (W x H), height adjustable from 125.0 to 172.0 cm, Pb 0.50 mm <i>Upon request also available in Pb 1.00 mm and with different dimensions.</i>

* All given overall heights include the casters/wheels.

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PROTECTIVE CURTAINS

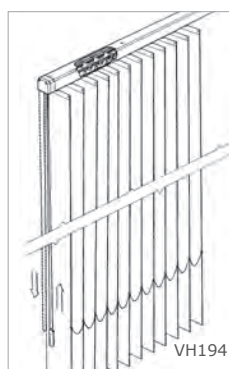
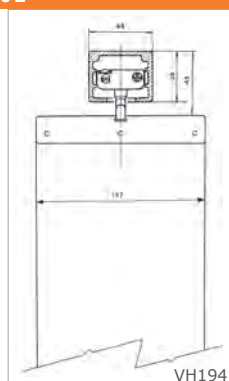
Leading Technology is Embodied in Detail



Room features such as windows, doors, or open spaces provide special challenges in containing radiation.

Let MAVIG help you with our bespoke curtain and blind solutions. Height, length, material, and Pb value can be tailored to your individual requirements for each specific room or building project.

PROTECTIVE CURTAINS VH194, VH691, VH192



Our curtains and blinds are individually tailored and manufactured to fit the client's exact needs. In order to give an exact cost, we require the following information:

- **Pb value:** 0.5 mm, 1.0 mm, 1.5 mm, 2.0 mm or 2.5 mm
- **Height:** The exact height of the structure that is needed, from the top of the track to the bottom of the protective panels.
Please allow an extra 10.0 cm to your calculation on both ends, top and bottom, to ensure adequate protection of the area.
- **Width:** The exact length of the track.
Please allow 10.0 cm extra to your calculation on both sides to ensure adequate protection of the area.

For any questions or additional information required, please feel free to contact one of our specialists to further assist you.

Article-No.	Description
VH194NV	Track guided radiation protective blinds. The 127 mm wide individual panels contain a protective inlay made of natural lead rubber and are covered with an easy to clean outer material.
VH194SL	Radiation protective blinds are similar to the VH194NV, but with a reinforced rail for heavy loads or Pb values above 2.00 mm.
VH691	X-Ray protective curtain with ComforTex HPMF covering, 60.0 or 90.0 cm wide lead rubber segments, height tailored to customer needs, 10.0 cm overlap per panel for multiple-panel solutions
VH192	Similar to the VH691, but with lead rubber panels inside a PVC covering

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RADIATION PROTECTIVE WINDOWS

both large and small

Working with sensitive materials such as lead acrylic or lead glass is our specialty. Our extensive experience and know-how guarantee quality, tailor-made radiation protective windows. We bring with us the knowledge of special industry requirements for protection from radiation and safety.

Our competence is at your service. We deliver modern and functional radiation protective windows, that meet the needed requirements for medical usage. Among our large selection of windows offered, you will certainly find the solution needed that is also simple and easy to install. Extensive preparation and complicated construction can be avoided. MAVIG windows are just part of a total concept. We offer many options that can be later utilized when needed, such as protective blinds. We offer our clients decades of experience and look forward to your requests. Our production meets the needs of protecting people in the medical work place, allowing a stable and effective installation which can be trusted.



OBSERVATION WINDOWS

Model DGS 81 – for solid material walls.

Consists of a lacquered medico white RAL 9002 basic metal frame with inner-lying radiation protection of Pb 2.00 mm and high quality lead glass pane.

Wall opening	Lead Glass Pane	Pb Value
870 x 670 mm	800 x 600 mm	1.5 mm 2.1 mm
1070 x 870 mm	1000 x 800 mm	1.5 mm 2.1 mm
1270 x 870 mm	1200 x 800 mm	1.5 mm 2.1 mm
1270 x 1070 mm	1200 x 1000 mm	2.1 mm
1470 x 1070 mm	1400 x 1000 mm	2.1 mm
1670 x 1070 mm	1600 x 1000 mm	2.1 mm
1870 x 1070 mm	1800 x 1000 mm	2.1 mm
2070 x 1070 mm	2000 x 1000 mm	2.1 mm

Non standard sizes and other lead equivalencies available upon request.

Model DGS 83 – for dry walls.

Consists of a lacquered medico white RAL 9002 basic metal frame with inner-lying radiation protection of Pb 2.00 mm and high quality lead glass pane.

Wall opening	Lead Glass Pane	Pb Value
870 x 670 mm	800 x 600 mm	1.5 mm 2.1 mm
1070 x 870 mm	1000 x 800 mm	1.5 mm 2.1 mm
1270 x 870 mm	1200 x 800 mm	1.5 mm 2.1 mm
1270 x 1070 mm	1200 x 1000 mm	2.1 mm
1470 x 1070 mm	1400 x 1000 mm	2.1 mm
1670 x 1070 mm	1600 x 1000 mm	2.1 mm
1870 x 1070 mm	1800 x 1000 mm	2.1 mm
2070 x 1070 mm	2000 x 1000 mm	2.1 mm

Non standard sizes and other lead equivalencies available upon request.

Model DGS 82 – for doors.

Consists of a lacquered Medico white RAL 9002 basic metal frame with inner-lying radiation protection of Pb 2.00 mm, metal window cavity bracket, and high quality lead glass pane.

Door opening	Lead Glass Pane	Pb Value
470 x 370 mm	400 x 300 mm	1.2 mm 1.5 mm 2.2 mm
570 x 470 mm	500 x 400 mm	1.2 mm 1.5 mm 2.1 mm
670 x 470 mm	600 x 400 mm	1.2 mm 1.5 mm 2.1 mm
770 x 570 mm	700 x 500 mm	1.2 mm 1.5 mm 2.1 mm

Non-standard sizes and other lead equivalencies available upon request.

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OBSERVATION WINDOWS

RADIATION PROTECTIVE LEAD GLASS

Radiation Protective Lead Glass

High quality, radiation protective lead glass, according to DIN EN 61331-2.

	Pb 1.2 Article No.	Pb 1.5 Article No.	Pb 2.1 Article No.	Pb 2.5 Article No.	Pb 3.0 Article No.	Pb 3.5 Article No.	Pb 4.9 Article No.	Pb 6.1 Article No.
Format (mm)								
400 x 300	GR8410/4030	GR8415/4030	GR8420/4030	GR8427/4030	GR8432/4030	GR8437/4030	GR8551/4030	GR8464/4030
500 x 400	GR8410/5040	GR8415/5040	GR8420/5040	GR8427/5040	GR8432/5040	GR8437/5040	GR8551/5040	GR8464/5040
600 x 400	GR8410/6040	GR8415/6040	GR8420/6040	GR8427/6040	GR8432/6040	GR8437/6040	GR8551/6040	GR8464/6040
700 x 500	GR8410/7050	GR8415/7050	GR8420/7050	GR8427/7050	GR8432/7050	GR8437/7050	GR8551/7050	GR8464/7050
800 x 600	GR8410/8060	GR8415/8060	GR8420/8060	GR8427/8060	GR8432/8060	GR8437/8060	GR8551/8060	GR8464/8060
1000 x 800	—	GR8415/10080	GR8420/10080	GR8427/10080	GR8432/10080	GR8437/10080	GR8551/10080	GR8464/10080
1200 x 800	—	GR8415/12080	GR8420/12080	GR8427/12080	GR8432/12080	GR8437/12080	GR8551/12080	GR8464/12080
1200 x 1000	—	—	GR8420/120100	GR8427/120100	GR8432/120100	GR8437/120100	—	—
1400 x 1000	—	—	GR8420/140100	GR8427/140100	GR8432/140100	GR8437/140100	—	—
1600 x 1000	—	—	GR8420/160100	GR8427/160100	GR8432/160100	GR8437/160100	—	—
1800 x 1000	—	—	GR8420/180100	GR8427/180100	GR8432/180100	GR8437/180100	—	—
2000 x 1000	—	—	GR8420/200100	GR8427/200100	GR8432/200100	GR8437/200100	—	—
Thickness (mm)	4.0 - 5.5	5.0 - 7.0	7.0 - 9.0	8.5 - 10.5	10.0 - 12.0	11.5 - 14.0	16.0 - 19.0	20.0 - 23.0
Weight (kg/m²)	28	35	45	53	61	71	96	116

Pb values measured at 110 kV

Non standard sizes, cuts, and other lead equivalencies available upon request.

MOUNTING PARTS FOR GLASS PANES

Mounting kits for installing lead glass in doors and walls.

Each kit includes the following parts:

- Four plastic holders in black
- Four screw anchors for wood screws
- Four wood screws
- Four flat-head screws M5 x16 VA DIN85

Article-No.	Description
GR844	Mounting parts for glass panes up to Pb 2.1 mm and maximum 8.5 mm thickness, 4 pieces per set
GR845	Mounting parts for glass panes with a Pb 2.1 mm to Pb 3.5 mm and maximum thickness 8.5 mm to 12.0 mm, 4 pieces per set

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