



Monitor Holders

Portegra2

Lower Body
Protectors

Mobile Shields

Protective
Curtains

Observation
Windows

Product Portfolio 2010

valid from January 1, 2010

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.



THE FUTURE

For almost 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 WORKERS' SAFETY

MAVIG is certified according to ISO 13485-2003, as well as QMS according to EU-Directive 89/686/EEC (Personal Protection).

All MAVIG products are CE certified and in most cases UL listed. MAVIG was the first company to CE certify all of its personal protection products.



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System Overview – PORTEGRA2

Ceiling Tracks
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Mounting Elements
Page 10, 17

Ceiling Columns for Tracks
Page 9



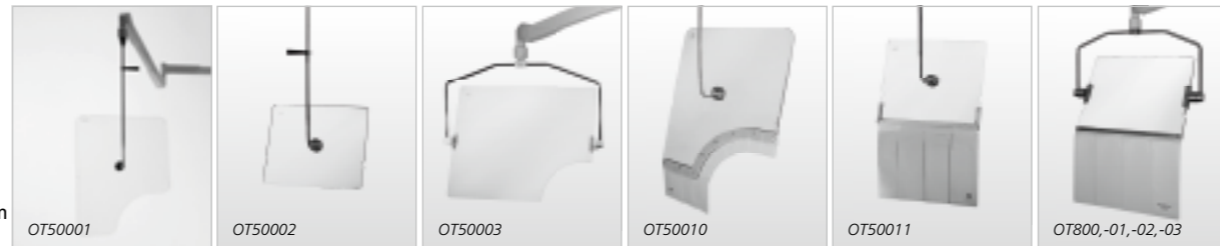
Ceiling Columns for Fixed Points
Page 10

 **MAVIG ceiling columns** are supplied as standard with one electrical pin. Two-pin solutions are available upon request.

Mobile Solutions for Ceiling Track Systems

Fixed Point Solutions

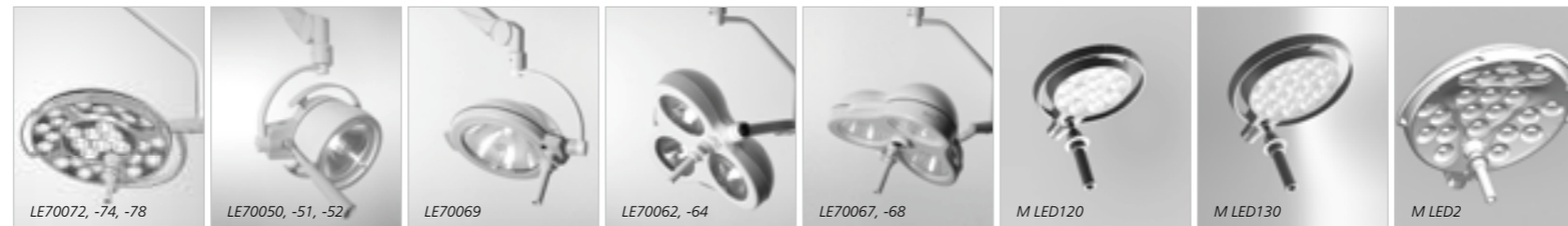
Radiation Protective Shields with Suspension Arm
Page 11



LCD Monitor Holders
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 Lamp/Suspension Arm combinations
Page 13



A Modular System for every application
Just like building blocks, with the Portegra2 System you can pick and choose what is needed. We of course offer complete systems as well, which can be found on pages 16, and 17.

The New Worldwide Standard for Equipment Support and Radiation Protection Systems ^{**} ^{***} – PORTEGRA2



- * PATENTED by MAVIG
- Ceiling anchor
 - Brake mechanism for track-guided systems
 - The MAVIG spring arm
 - Internal safety spring
 - The safety notch

- ** SAFETY FEATURES
- Single piece, formed-steel ceiling column
 - Strengthened wall thickness at the mounting post
 - Maximum load capacity of 18 kg (40 lbs) on each mounting post
 - The steel extension/spring arm ensures high stability against collisions
 - UL listing and CE certification
 - User-friendly, smooth edged design
 - Allows for different loads levels
 - Easy spring-arm tension adjustment
 - Life Cycle Testing

CEILING TRACKS



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 simplifies the system installation

Lengths: Standard lengths of 250 cm (98 in.) and 400 cm (157 in.). Other lengths are possible upon request.

Article-No.	Description
TS1001	Versatile ceiling track width 335 mm, length = 2500 mm
TS1002	Versatile ceiling track width 335 mm, length = 2500 mm, with cable spooler
TS1005	Versatile ceiling track width 335 mm, length = 4000 mm
TS1006	Versatile ceiling track width 335 mm, length = 4000 mm, with cable spooler
TS10B06	Retro cable spooler fitting kit for track length = 2500 mm
TS10B03	Retro cable spooler fitting kit for track length = 4000 mm
TS10B04	Cable holders for the cable track, 3 piece set
TS10B04/5	Cable holders for the cable track, 5 piece set

VERSATILE 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 construction 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 track holds the carriage at a fixed level inside the ceiling track, which provides additional safety during its use.

360° column with carriage (trolley):

- Lower post allows 360° rotation
- Upper fixed post is electric with 330° rotation
- Each has a load capacity of 18 kg (40 lbs.)

Twin column with carriage (trolley):

- One electric post and one standard post at the same height
- Each post offers a 330° rotation
- Each has a load capacity 18 kg (40 lbs.)

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

- TS
- OT
- GD
- LE
- PTZ
- UT
- WD
- VH
- DGS
- GR

COLUMNS FOR STATIONARY MOUNTING



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

TS2020, -21, -22, -23

MAVIG-Columns for the Portegra2-System: Solid construction for maximum safety.

Many years of development has led to MAVIG's unique steel construction columns. The proven construction, sturdy design, and numerous tests ensure the highest level of safety available.

The patented ceiling anchor gives an extra level of protection, stopping the system from falling in the event that the mounting comes away from the ceiling.

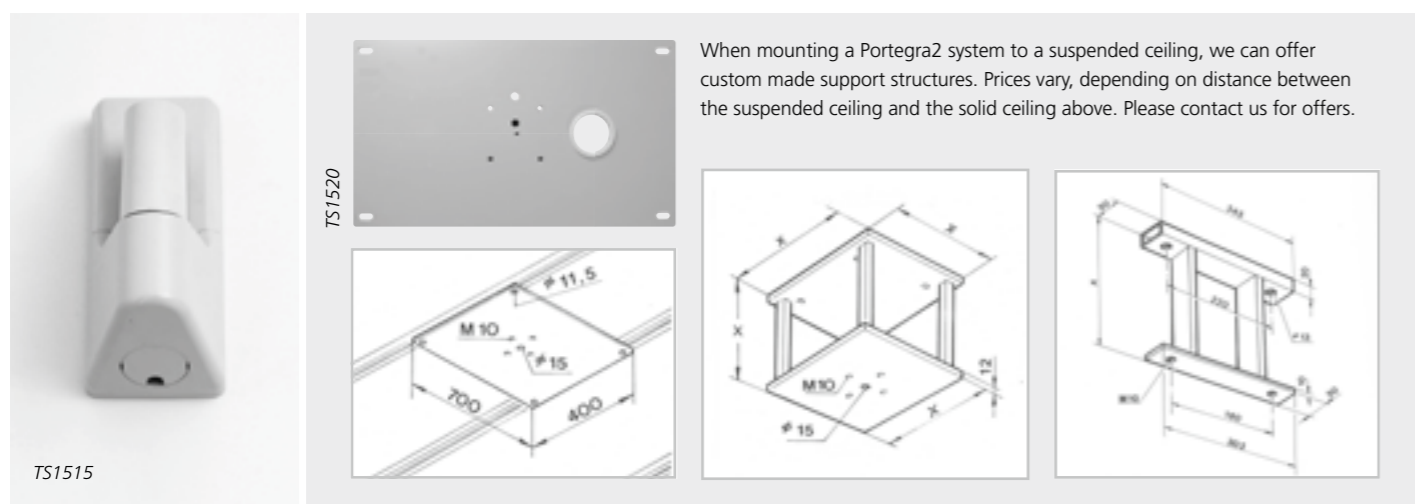
Twin column stationary:

- One electric post and one standard post at the same height
- Each post offers a 330° rotation
- Each has a load capacity 18 kg (40 lbs.)

360° column stationary:

- Lower post allows 360° rotation
- Upper fixed post is electric with 330° rotation
- Each has a load capacity 18 kg (40 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
TS1520	Mounting plate for stationary column
TS1515	Wall Mount for Portegra2



When mounting a Portegra2 system to a suspended ceiling, we can offer custom made support structures. Prices vary, depending on distance between the suspended ceiling and the solid ceiling above. Please contact us for offers.

RADIATION PROTECTION SHIELD WITH SUSPENSION ARM

The MAVIG **2** Arm provides maximum flexibility.

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

- The far reaching capacity with an extension arm of 75 or 95 cm and a spring arm of 91 cm.
- Multiple load bearing categories: 1 – 3.5 kg, 3.5 – 7 kg, 7 – 12 kg, 12 – 18 kg.
- Shock absorbing, plastic covers to protect against collisions.
- Internal steel safety cable provides extra protection even after many years of service
- Connection Safety cover, so that connection element cannot become loose.

Easy and Simple Operation for Safe Radiation Protection

The lead acrylic radiation protective shields have a lead equivalent of 0.5 mm. Not only do they provide optimized protection, their elaborate safety features are also very impressive.

Our shields provide excellent high-optical transmittance. Rounded corners and edges and shatter-proof materials minimize the risk of injury. In an emergency, the shields can be removed quickly and easily.



Article-No.	Description
OT50001	Dimensions: 61 x 76 cm, Pb 0.5 mm, guided by a removable handle, transparent acrylic shield with a patient-contour cut out for positioning over the patient
OTSTEA1	Sterile disposable transparent covers for OT50001, 50 pcs
OT50002	Dimensions: 50 x 40 cm, Pb 0.5 mm, guided by removable handle, transparent acrylic shield
OT50003	Dimensions: 76 x 61 cm, Pb 0.5 mm, guided from the sides, transparent acrylic shield with a patient contour cut-out for positioning over the patient
OT50010	Dimensions: 61 x 76 cms?, Pb 0.5 mm, same as OT50001, but with flexible lead rubber panels in hygienic covers. (PTZ6290/6272)
OT50011	Dimensions: 50 x 40 cms?, Pb 0.5 mm, same as OT50002, but with flexible lead rubber panels in hygienic covers. (PTZ6294/6274)
OT80001	Dimensions: 40 x 30 cms?, Pb 0.5 mm, transparent acrylic shield, laterally guided with flexible lead rubber panels in hygienic covers. (PTZ6262 A)
OT80002	Dimensions: 50 x 40 cms?, Pb 0.5 mm, transparent acrylic shield, laterally guided with flexible lead rubber panels in hygienic covers. (PTZ6262 A)
OT80003	Dimensions: 76 x 35 cms?, Pb 0.5 mm, transparent acrylic shield, laterally guided with flexible lead rubber panels in hygienic covers. (PTZ6262 A)
OT4060	Debrun Shield contains a track, ceiling column, and lead acrylic shield, 1220 x 750 mm with a contour cut-out and lead rubber panels with a Pb value of 0.5 mm

LCD MONITOR SUPPORT, COMPATIBLE WITH THE PORTEGRA2-SYSTEM



GD4020 and GD4021 – Flexible holder for one LCD display. Double jointed hinge to allow a wide range of different viewing angles. In case of minor collisions, the monitor moves to the side and repositions itself. External cabling. Maximum weight load is 16 kg.

Article-No.	Description
GD4020	Adjustable, single LCD holder for VESA adapter 100 mm
GD4021	Adjustable, single LCD holder for VESA adapter 100 mm with lateral handle.



GD4220 and 4210 – Monitor support for one or two LCD displays. External cabling. Maximum weight load is 14 kg.

Article-No.	Description
GD4210	Portegra2 Monitor support Mono for VESA adapter 75 mm or 100 mm
GD4220	Portegra2 Monitor support Dual for VESA adapter 100 mm



GD75 and GD76 – the economic solution for an existing track system with 335 mm. Due to their slim design and lighter weight they can be easily used with the Portgera2 335 tracks. Many functions of the "big" systems are also included, including a concave horizontal rail for a perfect viewing angle, aligned LCD positioning, and positioning bars.

Article-No.	Description
GD75**-1/2/3	Monitor support GD75, incl. carrier for 1, 2 or 3 displays for a 335 m ceiling track. Track is not included.
GD76**-1/2/3	Monitor support GD76, incl. carrier for 1, 2 or 3 displays for a 335 m ceiling track. Track is not included.

LAMPS WITH SUSPENSION ARM



Modern technology enables optimal examination and operating conditions: Enhanced depth illumination, characteristics of daylight, reduction of heat dispersion to an absolute minimum, high-contrast RA96 colour reproduction, and recognition of the finest colour nuances are standard with the high quality illumination.

Article-No.	Description
LE70051	Lamp M130 Uniflex R96 with internal transformer, 230 V, UL
LE70051-ST	Lamp M130 Uniflex R96 with internal transformer, 230 V with sterilizable handle, UL
LE70050	Lamp M130 Uniflex R96, with internal transformer, 115 V, UL
LE70050-ST	Lamp M130 Uniflex R96, with internal transformer, 115 V with sterilizable handle, UL
LE70052	Lamp M130 Uniflex R96, 24 V, UL
LE70052-ST	Lamp M130 Uniflex R96, 24 V with sterilizable handle, UL
LE70069/230	Lamp M2-F with external transformer, 230 V, UL
LE70069/115	Lamp M2-F with external transformer, 115 V, UL
LE70069/24	Lamp M2-F without transformer, 24 V, UL
LE70062/230	Lamp M3-F with external transformer for 230 V, UL
LE70062/115	Lamp M3-F with external transformer for 115 V, UL
LE70064/230	Lamp M3-DF with external transformer for 230 V, UL
LE70064/115	Lamp M3-DF with external transformer for 115 V, UL
LE70062/24	Lamp M3-F without external transformer, 24 V, UL
LE70064/24	Lamp M3-DF without external transformer, 24 V, UL
LE70068/230	Lamp M3-F, with video system (camera, remote control, cabling) and external transformer for 230 V
LE70068/115	Lamp M3-F, with video system (camera, remote control, cabling) and external transformer for 115 V
LE70067/230	Lamp M3-DF, with video system (camera, remote control, cabling) and external transformer for 230 V
LE70067/115	Lamp M3-DF, with video system (camera, remote control, cabling) and external transformer for 115 V
LE70072	M LED3 SC, single colour lamp, for physical examination and small operations, incl. power supply unit
LE70074	M LED3 MC, multicolour, surgical lamp incl. power supply unit
LE70078	M LED3 MC VIDEO, multicolour lamp with video system (camera, control board, wiring)
LE70041	M LED120, focusable LED examination lamp, incl. sterilizable handle, power supply unit, 40,000 Lux
LE70043	M LED130, focusable LED examination lamp, incl. sterilizable handle, power supply unit, 60,000 Lux
LE70044	M LED2SC, single colour LED surgical lamp, incl. power supply unit, 100,000 Lux
LE70045	M LED2MC, multi colour LED surgical lamp, incl. Laserpointer and power supply unit, 100,000 Lux

Spare Parts

E-7110092	Single transformer, 115 V
E-7110093	Single transformer, 230 V
E-7110072	Adapter with Sterilizable handle for M130, M2
E-7110081	Sterilizable handle for M130, M2, M3
E-7110041	Halogen lamp 22.8 V / 24 V for M130 and M3
E-7110094	Power supply for LED lamps

THE SPIDER: SUSPENSION SYSTEM FOR EQUIPMENT UP TO 21 kg



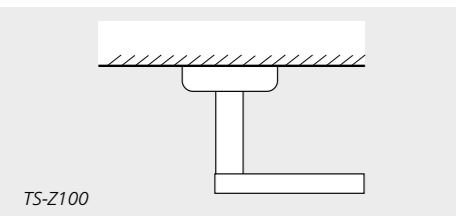
The MAVIG Spider is the suspension system for all equipment up to a combined total of 63 kg. Monitors, OP cameras, and lamps with individual weights of up to 21 kg can now be grouped together on one ceiling column with a central axis. It can support one, two, or three arms with an extension arm sections that can have a maximum length of 1150 mm.

The rotation of the arms can be done without impediment even with electrical equipment due to the specially designed electrical contacts. The Spider can be fitted with 3.5, or 7 prong connections.

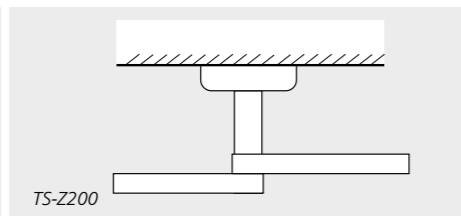
Standard extension sizes are 700/850/1000 mm. System includes central column, ceiling cover, and extension arm(s).

Std. length of central column: 250 – 1100 mm

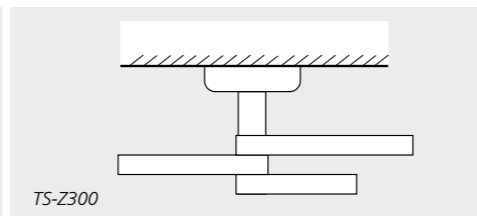
TS-Z300



TS-Z100



TS-Z200



TS-Z300

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

MONITOR HOLDERS – CENTRAL AXIS/SUSPENSION ARM COMBINATION

Article-No.	Description
GD-Z-4020	Adjustable, single LCD holder for VESA adapter 100 mm, including arm Portegra2
GD-Z-4021	Adjustable, single LCD holder for VESA adapter 100 mm with lateral handle, including arm Portegra2
GD-Z-4210	Portegra2 Monitor support Mono for VESA adapter 75 mm or 100 mm, including arm
GD-Z-4220	Portegra2 Monitor support Dual for VESA adapter 100 mm, including arm

LAMP/SUSPENSION ARM COMBINATIONS FOR SPIDER COLUMN



LE70082



The proven Portegra2 spring arm is pre-adjusted for each instrument before delivery. Lamps for Portegra2 systems can be found on page 13.

Fig.: **Lamp M LED5** – a surgical light with the newest LED technology.

Article-No.	Description
LE-Z-70051	Lamp M130 Uniflex R96 with internal transformer, 230 V, UL
LE-Z-70051-ST	Lamp M130 Uniflex R96 with internal transformer, 230 V with sterilizable handle, UL
LE-Z-70050	Lamp M130 Uniflex R96, with internal transformer, 115 V, UL
LE-Z-70050-ST	Lamp M130 Uniflex R96, with internal transformer, 115 V with sterilizable handle, UL
LE-Z-70052	Lamp M130 Uniflex R96, 24 V, UL
LE-Z-70052-ST	Lamp M130 Uniflex R96, 24 V with sterilizable handle, UL
LE-Z-70069/230	Lamp M2-F with external transformer, 230 V, UL
LE-Z-70069/115	Lamp M2-F with external transformer, 115 V, UL
LE-Z-70069/24	Lamp M2-F without transformer, 24 V, UL
LE-Z-70062/230	Lamp M3-F with external transformer for 230 V, UL
LE-Z-70062/115	Lamp M3-F with external transformer for 115 V, UL
LE-Z-70064/230	Lamp M3-DF with external transformer for 230 V, UL
LE-Z-70064/115	Lamp M3-DF with external transformer for 115 V, UL
LE-Z-70062/24	Lamp M3-F without external transformer, 24 V, UL
LE-Z-70064/24	Lamp M3-DF without external transformer, 24 V, UL
LE-Z-70068/230	Lamp M3-F, with video system (camera, remote control, cabling) and external transformer for 230 V
LE-Z-70068/115	Lamp M3-F, with video system (camera, remote control, cabling) and external transformer for 115 V
LE-Z-70067/230	Lamp M3-DF, with video system (camera, remote control, cabling) and external transformer for 230 V
LE-Z-70067/115	Lamp M3-DF, with video system (camera, remote control, cabling) and external transformer for 115 V
LE-Z-70072	M LED3 SC, single colour lamp, for physical examination and small operations, incl. power supply unit
LE-Z-70074	M LED3 MC, multicolour, surgical lamp incl. power supply unit
LE-Z-70078	M LED3 MC VIDEO, multicolour lamp with video system (camera, control board, wiring)
LE-Z-70097/115	Lamp M5-DF, with external transformer for 115 V, UL
LE-Z-70097/230	Lamp M5-DF, with external transformer for 230 V, UL
LE-Z-70097/24	Lamp M5-DF, without external transformer, 24 V, UL
LE-Z-70082	M LED5 SC, single colour surgical light, video capable, UL
LE-Z-70084	M LED5 MC, multicolour surgical light, video capable, UL
LE-Z-70088	M LED5 MC, multicolour surgical light, video system (camera, controls, cabling), UL
LE-Z-70041	M LED120, focusable LED examination lamp, incl. sterilizable handle, power supply unit, 40,000 Lux
LE-Z-70043	M LED130, focusable LED examination lamp, incl. sterilizable handle, power supply unit, 60,000 Lux
LE-Z-70044	M LED2SC, single colour LED surgical lamp, incl. power supply unit, 100,000 Lux
LE-Z-70045	M LED2MC, multi colour LED surgical lamp, incl. Laserpointer and power supply unit, 100,000 Lux

PORTEGRA2 Complete Systems

The most requested MAVIG Systems



Article-No.	Description
PTZ-LW360-51-3	OT50001 and Lamp M3-F with 360° ceiling column with carriage, 570 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm
PTZ-LW360-51-130	OT50001 and Lamp M130 with 360° ceiling column with carriage, 570 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm
PTZ-LW360-82-3	OT50002 and Lamp M3-F with 360° ceiling column with carriage, 570 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm
PTZ-LW360-82-130	OT50002 and Lamp M130 with 360° ceiling column with carriage, 570 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm



Article-No.	Description
PTZ-LWTW-51-3	OT50001 and Lamp M3-F with Twin ceiling column with carriage, 580 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm
PTZ-LWTW-51-130	OT50001 and Lamp M130 with Twin ceiling column with carriage, 580 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm
PTZ-LWTW-82-3	OT50002 and Lamp M3-F with Twin ceiling column with carriage, 580 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm
PTZ-LWTW-82-130	OT50002 and Lamp M130 with Twin ceiling column with carriage, 580 mm long, Portegra2 track 2.5 m, cable spooler, calibrated suspension arm



Article-No.	Description
PTZ-F360-51-3	OT50001 and Lamp M3-F with 360° ceiling column, 580 mm long, calibrated suspension arm
PTZ-F360-51-130	OT50001 and Lamp M130 with 360° ceiling column, 580 mm long, calibrated suspension arm
PTZ-F360-82-3	OT50002 and Lamp M3-F with 360° ceiling column, 580 mm long, calibrated suspension arm
PTZ-F360-82-130	OT50002 and Lamp M130 with 360° ceiling column, 580 mm long, calibrated suspension arm



Article-No.	Description
PTZ-FTW-51-3	OT50001 and Lamp M3-F with Twin ceiling column, 580 mm long, calibrated suspension arm
PTZ-FTW-51-130	OT50001 and Lamp M130 with Twin ceiling column, 580 mm long, calibrated suspension arm
PTZ-FTW-82-3	OT50002 and Lamp M3-F with Twin ceiling column, 580 mm long, calibrated suspension arm
PTZ-FTW-82-130	OT50002 and Lamp M130 with Twin ceiling column, 580 mm long, calibrated suspension arm

EXTENSION/SPRING ARM SINGLE ELEMENTS AND PARTS:



The MAVIG Portegra2 suspension arm offers maximum flexibility. The extension-/spring-arm combination allows movement of different radiuses and heights for all situations. **Patented by MAVIG:** A sophisticated safety collar prevents the separation of the connection joint. The patented safety spring keeps the connection from loosening, allowing a long, problem free lifespan. An internal steel safety cable offers maximum safety, even after many years of service. The dimensions and movement radius of the suspension arm provide the mobility needed so that radiation protection and equipment can always be positioned as needed. The maximum load capacity of the extension-spring-arm 950/910 mm is 15 kg.

LE70062, -64

PORTEGRA2 EXTENSION SPRING ARM, 750 /910 MM, EQUIPPED FOR ELECTRICAL EQUIPMENT



Article-No.	Description
E-LE75-1035	Weight load 1 – 3.5 kg
E-LE75-3570	Weight load 3.5 – 7.0 kg
E-LE75-70120	Weight load 7.0 – 12.0 kg
E-LE75-120180	Weight load 12.0 – 18.0 kg

PORTEGRA2 EXTENSION SPRING ARM, 950 /910 MM, EQUIPPED FOR ELECTRICAL EQUIPMENT



Article-No.	Description
E-LE95-1035	Weight load 1 – 3.5 kg
E-LE95-3570	Weight load 3.5 – 7.0 kg
E-LE95-70120	Weight load 7.0 – 12.0 kg
E-LE95-120150	Weight load 12.0 – 15.0 kg

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

Article-No.	Description
E-OT75-1035	Weight load 1 – 3.5 kg
E-OT75-3570	Weight load 3.5 – 7.0 kg
E-OT75-70120	Weight load 7.0 – 12.0 kg
E-OT75-120180	Weight load 12.0 – 18.0 kg

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

Article-No.	Description
E-OT95-1035	Weight load 1 – 3.5 kg
E-OT95-3570	Weight load 3.5 – 7.0 kg
E-OT95-70120	Weight load 7.0 – 12.0 kg
E-OT95-120150	Weight load 12.0 – 15.0 kg

PORTEGRA2 EXTENSION SPRING ARM REPLACEMENT PARTS

Article-No.	Description
E-7110636	Plastic cover for extension arm section
E-7110638	Plastic cover for extension arm section 360°
E-7110690	Complete plastic covering set
E-7110680	Spring arm Cover section set



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 optimally designed for the daily needs of hospitals or radiology practices. In addition, our monitor systems offer the upmost safety with high flexibility. Monitor compatibility is also not a problem with MAVIG suspension systems. You are able to use monitors of your choosing, which use the market standard VESA-Adaptors.

Please rest assured that MAVIG Life Cycle Testing ensures 100% quality of all delivered products. Our products are UL and CE certified, as well as by TÜV Product Service, according to ISO EN 13485-2003.



- TS
- OT
- GD
- LE
- PTZ
- UT
- WD
- VH
- DGS
- GR

Sleek, versatile and compact – for 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 wiring?


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

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

System	Certification	1 Monitor	2 Monitors	3 Monitors	4 Monitors	6 Monitors	8 Monitors
GD4020		> Stationary > For MAVIG Track 335 < 16 kg / 35.3 lbs. External cabling only					
GD4021		> Stationary > For MAVIG Track 335 < 16 kg / 35.3 lbs. External cabling only					
GD4210		> Stationary > For MAVIG Track 335 < 14 kg / 30.9 lbs. External cabling only					
GD4220		> Stationary > For MAVIG Track 335 < 14 kg / 30.9 lbs. External cabling only	> Stationary > For MAVIG Track 335 < 14 kg / 30.9 lbs. External cabling only				
GD70		> Stationary < 28 kg / 62 lbs. External cabling only	> Stationary < 28 kg / 62 lbs. External cabling only	> Stationary < 28 kg / 62 lbs. External cabling only > Upgrade Kit from two to three monitors available			
GD75		> For MAVIG Track 335 < 28 kg / 62 lbs. External cabling only	> For MAVIG Track 335 < 28 kg / 62 lbs. External cabling only	> For MAVIG Track 335 < 28 kg / 62 lbs. External cabling only			
GD72		> Stationary < 33 kg / 72 lbs. Fully internal cabling	> Stationary < 33 kg / 72 lbs. Fully internal cabling	> Stationary < 33 kg / 72 lbs. Fully internal cabling			
GD76		> For MAVIG Track 335 < 33 kg / 72 lbs. Fully internal cabling	> For MAVIG Track 335 < 33 kg / 72 lbs. Fully internal cabling	> For MAVIG Track 335 < 33 kg / 72 lbs. Fully internal cabling			
GD65		> Stationary > For MAVIG Track 480 < 44 kg / 97 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Track 480 < 44 kg / 97 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Track 480 < 44 kg / 97 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Track 480 < 44 kg / 97 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety		
GD60		> Stationary > For MAVIG Tracks > For OEM Tracks < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Tracks > For OEM Tracks < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Tracks > For OEM Tracks < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Tracks > For OEM Tracks < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Tracks > For OEM Tracks < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary > For MAVIG Tracks > For OEM Tracks < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety
GD67		> Stationary < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety	> Stationary < 116 kg / 255 lbs. Fully internal cabling, Cardan joint for smooth movement and collision safety
MD70		> For mobile cart < 27 kg / 60 lbs. Fully internal cabling	> For mobile cart < 27 kg / 60 lbs. Fully internal cabling	> For mobile cart < 27 kg / 60 lbs. Fully internal cabling			

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GD67 STATIONARY



GD 67 – The sleek monitor suspension for very high loads


Minimum space for multiple monitors – Thanks to its sleek design, the GD67 with its straight vertical column fits in confined spaces, but still offers the ability to support up to eight monitors. The central column allows 330 degrees turning. Internal, vertical weight adjustment allows for a perfect balance for monitor combinations of different weights and sizes.

- Stationary-mounted
- Weight load (monitors and cables) < 116 kg / 255 lbs
- Quantity of monitors: 1 – 8
- Internal cabling
- **Attention:** We strongly recommend inspection of the ceiling load capacity before installing. Mounting should only be done by qualified personnel.



Article-No.	Description
GD67W-1-F	Supports 1 monitor
GD67W-2-F	Supports 2 monitors
GD67W-3-F	Supports 3 monitors
GD67W-4-F	Supports 4 monitors
GD67W-6-F	Supports 6 monitors
GD67W-8-F	Supports 8 monitors
GD67W-WS-F	Supports monitors with screens over 32"

GD60




GD60 – The versatile monitor suspension system

Our patented cardan suspension, friction free operation, automatic weight balancing, integrated cabling, 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 110 kg (242 lbs.).

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

- Stationary-mounted
- OEM-ceiling tracks
- MAVIG special track
- Weight load (monitors and cables) < 110 kg / 242 lbs
- Quantity of monitors: 1 – 8
- Internal cabling
- Cardan suspension 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
GD60W-2-F	Supports 2 monitors
GD60W-3-F	Supports 3 monitors
GD60W-4-F	Supports 4 monitors
GD60W-6-F	Supports 6 monitors
GD60W-8-F	Supports 8 monitors
GD60W-WS	Supports monitors with screens over 32"
GD60-Z	Adapter for adding an additional monitor, including a VGA cable

TRACK OPTIONS FOR THE MONITOR SUSPENSION SYSTEM GD60:

<p>Version 1: TS-GD60-1 consists of a carriage + MAVIG GD60 track (4.25 m long) + 3 cable carriages + cable casing</p>	<p>Version 2: TS-GD60-2 consists of a carriage + MAVIG GD60 track (4.25 m long) + integrated enclosed cable system + cable casing</p>
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Attention: Please order a suitable Monitor Suspension System for your ceiling tracks from the following table:

Article-No.	Description
GD60W-2TS425	Supports 2 monitors for MAVIG track
GD60W-3TS425	Supports 3 monitors for MAVIG track
GD60W-4TS425	Supports 4 monitors for MAVIG track
GD60W-6TS425	Supports 6 monitors for MAVIG track
GD60W-8TS425	Supports 8 monitors for MAVIG track
GD60W-WS-TS425	Supports monitors with screens over 32" for MAVIG track

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GD65



GD65 – The powerful monitor suspension with maximum mobility

The GD65 combines the versatile MAVIG track system with the sophisticated MAVIG suspension **for one to four monitors**, designed for easy, friction free operation. In case of collisions during use, the cardanic suspension of the GD65 smoothly repositions itself with no damage to the instruments or people.

The modular system allows the installation of additional monitors, infra-red receivers, and other accessories. **The patented track system** is simple to install and offers a maximum safety.

- Stationary-mounted
- MAVIG ceiling track 480
- Weight load < 44 kg / 97 lbs.
- Quantity of monitors: 2 – 4
- Internal cabling
- Cardanic suspension 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
GD65W-2F	Supports 2 monitors
GD65W-3F	Supports 3 monitors
GD65W-4F	Supports 4 monitors
GD65W-WS-F	Supports monitors with screens over 32"

FOR MAVIG CEILING TRACK 480 MM:

Article-No.	Description
GD65W-2TS25	Supports 2 monitors with a ceiling track 2.5 m long
GD65W-3TS25	Supports 3 monitors with a ceiling track 2.5 m long
GD65W-4TS25	Supports 4 monitors with a ceiling track 2.5 m long
GD65W-2TS40	Supports 2 monitors with a ceiling track 4.0 m long
GD65W-3TS40	Supports 3 monitors with a ceiling track 4.0 m long
GD65W-4TS40	Supports 4 monitors with a ceiling track 4.0 m long
GD65W-WS-TS25	Monitor support for large screen monitors over 32" with a ceiling track 2.5 m long
GD65W-WS-TS40	Monitor support for large screen monitors over 32" with a ceiling track 4.0 m long

GD72/76



GD72 (stationary), GD76 (for MAVIG Portegra2 ceiling track 335 mm) – The smart monitor suspension system

Supports a load of **up to 33 kg (72 lbs)** with a **flexible spring arm** and integrated cabling, which is generally seen only in larger systems. Thanks to this, the GD72 is a great economic 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.

- Stationary mounted – GD72
- For MAVIG Portegra2 ceiling track 335 mm – GD76
- Weight load < 33 kg / 72 lbs
- Number of monitors: 1 – 3
- Integrated 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

FOR MAVIG CEILING TRACK 335 MM:

Article-No.	Description
GD76W-1TS25	Supports 1 monitor with a ceiling track 2.5 m long
GD76W-1TS40	Supports 1 monitor with a ceiling track 4.0 m long
GD76W-2TS25	Supports 2 monitors with a ceiling track 2.5 m long
GD76W-2TS40	Supports 2 monitors with a ceiling track 4.0 m long
GD76W-3TS25	Supports 3 monitors with a ceiling track 2.5 m long
GD76W-3TS40	Supports 3 monitors with a ceiling track 4.0 m long

UPGRADE-KIT FOR PRE-INSTALLED MAVIG 335 MM PORTEGRA2 CEILING TRACKS

With an adapted carriage, the GD76 can be inserted into an already existing Portegra2 ceiling track 335 mm. Due to the high weight load, maximum two monitors can be installed with this option.

Article-No.	Description
GD76W-1	Monitor support for 1 display with carriage for a 335 mm ceiling track. Track is not included.
GD76W-2	Monitor support for 2 displays with carriage for a 335 mm ceiling track. Track is not included.
GD76W-3	Monitor support for 3 displays with carriage for a 335 mm ceiling track. Track is not included.

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GD70 / 75



GD70 – The economic solution for stationary systems
 The GD70 permits easy stationary mounting. Many functions of the “big” systems, like a concave horizontal rail for perfect viewing angle, aligned LCD positioning, and gripping handles are provided.

GD75 – The economic solution for MAVIG track systems 335
 The price sensitive option for the larger 480 mm tracks. It also contains the features of a concave horizontal rail for perfect viewing angle, aligned LCD positioning, and gripping handles. Due to its slim design and lower weight, the GD75 can easily be used in pre-installed, MAVIG Portegra2 tracks at any time.

- External cabling for all versions.
- Weight load < 28 kg / 62 lbs.
- Quantity of monitors: 1 – 3
- The length of the column can be modified between 250 and 800 mm.
- GD70 – stationary
- GD75 – for MAVIG ceiling track 335 mm

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
GD7520-1	Supports 1 monitor with a ceiling track 335 mm, 2.5 m long
GD7540-1	Supports 1 monitor with a ceiling track 335 mm, 4.0 m long
GD7520-2	Supports 2 monitors with a ceiling track 335 mm, 2.5 m long
GD7540-2	Supports 2 monitors with a ceiling track 335 mm, 4.0 m long
GD7520-3	Supports 3 monitors with a ceiling track 335 mm, 2.5 m long
GD7540-3	Supports 3 monitors with a ceiling track 335 mm, 4.0 m long

UPGRADE-KIT FOR PRE-INSTALLED MAVIG 335 MM PORTEGRA2 CEILING TRACKS

With an adapted carriage, the GD75 can be inserted into an existing Portegra2 ceiling track 335 mm. Due to the high weight load, maximum two monitors can be installed with this option.

Article-No.	Description
GD7500-1	Monitor support for 1 display for a 335 mm ceiling track. Track is not included.
GD7500-2	Monitor support for 2 displays for a 335 mm ceiling track. Track is not included.
GD7500-3	Monitor support for 3 displays for a 335 mm ceiling track. Track is not included.
GD75UG3	Upgrade Kit from two to three monitors

LCD MONITOR HOLDERS, COMPATIBLE FOR THE PORTEGRA2 SYSTEM



GD4020 / GD4021
 Flexible holder for one LCD display. Variable adjustments allow wide viewing angles. In case of collision, the monitor retracts to the side.

- External cabling
- Maximum weight load 14 kg

GD4210
 Monitor support for one LCD display

- External cabling
- Maximum weight load 14 kg

GD4220
 Monitor support for two LCD display

- External cabling
- Maximum weight load 14 kg

Article-No.	Description
GD4020	Flexible holder for one LCD display for VESA adapter 100 mm
GD4020TS-F	Flexible holder for one LCD display for VESA adapter 100 mm with extension/spring-arm and twin-column* for stationary mounting
GD4020TS-LW25	Flexible holder for one LCD display for VESA adapter 100 mm with extension/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 2500 mm
GD4020TS-LW40	Flexible holder for one LCD display for VESA adapter 100 mm with extension/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 4000 mm
GD4021	Flexible holder for one LCD display for VESA adapter 100 mm with lateral handle
GD4021TS-F	Flexible holder for one LCD display for VESA adapter 100 mm with lateral handle, extension/spring-arm and twin-column* for stationary mounting
GD4021TS-LW25	Flexible holder for one LCD display for VESA adapter 100 mm with lateral handle, extension/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 2500 mm
GD4021TS-LW40	Flexible holder for one LCD display for VESA adapter 100 mm with lateral handle, extension/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 4000 mm
GD4210	Monitor support Portegra2 Mono for VESA adapter 75 mm or 100 mm
GD4210TS-F	Monitor support Portegra2 Mono for VESA adapter 75 mm or 100 mm with extension-/spring-arm and twin-column* for stationary mounting
GD4210TS-LW25	Monitor support Portegra2 Mono for VESA adapter 75 mm or 100 mm with extension/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 2500 mm
GD4210TS-LW40	Monitor support Portegra2 Mono for VESA adapter 75 mm or 100mm with extension/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 4000 mm
GD4220	Monitor support Portegra2 Dual for VESA adapter 100 mm
GD4220TS-F	Monitor support Portegra2 Dual for VESA adapter 100 mm with extension/spring-arm and twin-column* for stationary mounting
GD4220TS-LW25	Monitor support Portegra2 Dual for VESA adapter 100 mm with extension-/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 2500 mm
GD4220TS-LW40	Monitor support Portegra2 Dual for VESA adapter 100 mm with extension/spring-arm and twin-column* with carriage and Portegra2 ceiling track width = 335 mm, length = 4000 mm
GD 75	see description page 26
GD 76	see description page 25

* When ordering, please indicate the required length of the column that will still allow the 2 m of space between the column and the floor.

MEDIARMS



Article-No.	Description
MM05	MediArm Lift 05; spring arm with a VESA100/75 adaptor, length 400 mm; suitable for monitors with a weight of 2.5 – 8.0 kg; attaches to the wall and adjusts upwards horizontally
MM05-T	MediArm Lift 05; includes all features as above, but with a table mount attachment
MM204FV	Lift 20 FV; spring arm with a VESA100/75 adaptor, length 400 mm; suitable for monitors with a weight of 2.5 – 8.0 kg; attaches to wall and adjusts up or down
MM205RPV	Lift20 RPV – lockable version for optical equipment
MM207FAV	Lift20 FAV; spring arm (length 750 mm) with an extension arm (450 mm) and a VESA100/75 monitor adaptor, weight range 3 – 8 kg. The arm comes with a wall attachment and is lockable.
MM203FAVT	Lift20 FAVT; spring arm (length 360 mm) with an extension arm (155 mm) and a VESA100/75 monitor adaptor, attaches to wall, includes holder for mouse and keyboard

CART MD70



MD70 – The mobile solutions for limited space

Mobile systems in radiological rooms have at times been considered a hazard with ground space being a premium. On the basis of numerous statistical calculations and optimized design, the MD70 offers **maximum safety**. The sleek design of the monitor cart permits unimpeded communication between the doctor and the medical assistant. The chassis has been minimalized to give as much space as possible without giving up any stability. A **cable roll-up on the column** stand takes up excess cabling and eliminates the danger of unnecessary tripping hazards.

- < 27 kg / 60 lbs.
- Integrated cabling optional



Article-No.	Description
MD70-1	Monitor cart for one display without cabling
MD70-2	Monitor cart for two displays without cabling
MD70-3	Monitor cart for three displays without cabling
MD70W-1	Monitor cart for one display with cabling
MD70W-2	Monitor cart for two displays with cabling
MD70W-3	Monitor cart for three displays with cabling

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- DGS
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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 examiner's shield protect 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.

In many fields such as interventional radiology, installing radiation protection for the underside of op tables has been a problem. Especially troublesome have been op tables with adjustable segments, which allow table sections to be elevated and lowered, and thus require a special solution. The patented UT30 system introduced by MAVIG now allows medical personal to create an individualized protection for the lower body, which is usable with all manufactures and models of op tables, and synchronizes with the movement of the table.



UT30



UT30

LOWER BODY PROTECTIVE SYSTEMS



Article-No.	Description
UT6020	Lower body protection Model 6260, versatile positioning
UT6501	Lower body protection Model 6265, left side protection
UT6502	Lower body protection Model 6265, right side protection
UT6701	Lower body protection Model 67, one piece
UT6801	Lower body protection Model 6268, includes two removable upper shields (170 mm + 225 mm)
UT6802	Lower body protection Model 6268, single removable upper shield (225 mm)
UT6901	Lower body protection Model 6269, two removable upper shields (170 mm + 225 mm)
UT6902	Lower body protection Model 6269, single removable upper shield (225 mm)

HYGIENIC COVERS

Article-No.	Description
UT6020F	Hygienic covers for UT6020
UT6501F	Hygienic covers for UT6501 and UT6502
UT6801F	Hygienic covers for UT6801 and UT6802
UT6901F	Hygienic covers for UT6901 and UT6902

IMPLEMENTATION FOR O.R. TABLES

Lower body protection for operating room tables are a clever option for the protection of personal that does add to the strain of the people being protected. 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. Suitable for low-profile tracks 10 x 25 mm and 9 x 25 mm

Article-No.	Description
UT3060SET	The set contains three panels, each 60 x 29 cm, Pb 0.5 mm
UT3075SET	The set contains three panels, each 75 x 29 cm, Pb 0.5 mm
UT3090SET	The set contains three panels, each 90 x 29 cm, Pb 0.5 mm
UT3060SL	Single panel, 60 x 29 cm, Pb 0.5 mm
UT3075SL	Single panel, 75 x 29 cm, Pb 0.5 mm
UT3090SL	Single panel, 90 x 29 cm, Pb 0.5 mm

MOBILE LOWER BODY PROTECTION

Article-No.	Description
WD260/100/81/E	Mobile lower body protection with two removable upper shields (25 cm + 17 cm height), 60 x 100 cm middle section, two 20 x 100 angled side sections, Pb 0.5 mm

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MOBILE SHIELDS: Moveable Protective Shields for Flexible Use

In order to avoid being a disturbance in a room, we start with high expectations and goals for the mobile protective shields at the conception and developmental stage. All requirements of equipment and procedural methodology of the operation room, as well as all demands of the personnel have to be taken into consideration.

MAVIG produces mobile shields from the most modern protective material in a variety of options. We of course welcome specific needs of our clients in addition to our standard offerings.

With exception to models 254, 255, and 258, all of our mobile shields are fitted with special wheels to reduce electrostatic electricity.



Article-No.	Description
WD2571	Steel plate body (1.0 mm Pb), height adjustable lead acrylic shield (0.5 mm Pb); width: 78 cm, height: 115 – 190 cm
WD3021	Steel plate body (1.0 mm Pb), height adjustable lead acrylic shield with contour cutout (0.5 mm Pb); width: 77.5/110 cm, height: 140 – 190 cm
WD3041	Our standard WD302 1 model with an extra lower body protection attachment of overlapping lead rubber panels (0.5 mm Pb).
WD260/100/81/E	Mobile lower body protection with two removable upper shields (25 cm + 17 cm height), 60 x 100 cm middle section, 20 x 100 side sections, Pb 0.5 mm

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MOBILE SHIELDS WD300, WD306, WD308



Article-No.	Description
WD300	Curved lead-acrylic shield with side arm cutouts, Pb 0.5 mm, 60 x 190 cm
WD306/0.5/1000	Mobile protective shield, Pb 0.5 mm, 100 x 200 cm
WD306/0.5/1300	Mobile protective shield, Pb 0.5 mm, 130 x 200 cm
WD306/1.0/1000	Mobile protective shield, Pb 1.0 mm, 100 x 200 cm
WD306/1.0/1300	Mobile protective shield, Pb 1.0 mm, 130 x 200 cm
WD308/0.5/1000	Mobile protective shield, Pb 0.5 mm, 100 x 200 cm
WD308/0.5/800	Mobile protective shield, Pb 0.5 mm, 80 x 110 cm
WD308/1.0/1000	Mobile protective shield, Pb 1.0 mm, 100 x 200 cm
WD308/1.0/800	Mobile protective shield, Pb 1.0 mm, 80 x 110 cm

MOBILE SHIELDS WD254, WD255, WD258



Article-No.	Description
WD2541B	Foldable protective screen with a middle section, including a 40 x 30 cm lead acrylic window and two side sections, Pb 1.0 mm
WD2542B	Foldable protective screen with a middle section, including a 40 x 30 cm lead acrylic window and two side sections, Pb 2.0 mm
WD2551A	Mobile protective screen without window, Pb 1.0 mm
WD2551B	Mobile protective screen with a lead acrylic window (30 x 40 cm), Pb 1.0 mm
WD2552A	Mobile protective screen without window, Pb 2.0 mm
WD2552B	Mobile protective screen with a lead acrylic window (30 x 40 cm), Pb 2.0 mm
WD258	Mobile bed screen 90 x 70 cm, height adjustable from 128 to 172 cm

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PROTECTIVE CURTAINS – Leading Technology is Embodied in Detail



It goes without saying that we guarantee the safety and continued working precision of our installations in its daily use.

This product commitment applies to the mechanical components which are utilized exclusively for MAVIG Radiation Protective Curtains on a worldwide basis. Our engineering and design concepts have allowed us to minimize the weight factor of the curtains for the user, and to meet the stringent requirements essential for radiation protection.

At MAVIG, you will encounter a well-versed team that is competent in the specialties of radiation protection installations, system technology, and room planning. Faultless radiation protection, attractive appearance, and functional installation are the road to satisfying and giving distinctive results.

PROTECTIVE CURTAINS VH194, VH191, VH691, VH192, VH196



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 2.5mm
- **Height:** The exact height of the structure is needed, from the beginning of the track to the bottom of the protective panels. **Please allow an extra 10 cm to your calculation on both ends, top and bottom, to ensure adequate protection of the area.**
- **Width:** The exact length of the tracking. **Please allow 10 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
VH194NW	Radiation protective blinds
VH194SL	Radiation protective blinds, reinforced for extreme weight
VH191-60	Protective curtain in track, 60 cm wide lead rubber segments with outer PCV cover, height tailored to customer needs
VH191-90	Protective curtain in track, 90 cm wide lead rubber segments with outer PCV cover, height tailored to customer needs
VH191-100	Protective curtain in track, 100 cm wide lead rubber segments with outer PCV covering, height tailored to customer needs
VH691	Model 191 with MAVIG ComforTex covering
VH192	Telescopic overlapping panels in tracking, 50 or 90 cm wide lead rubber panels
VH196	Radiation protective folding blinds, crank handle or electric motor actuation

RADIATION PROTECTIVE WINDOWS both large and small

Working with modern and sensitive materials such as lead acrylic glass or lead glass is our specialty. Our extensive experience and know-how guarantee the quality, as well as of the production of 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, which through their modular production 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 problem free 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-laying radiation protection of Pb 2.0 mm and high quality lead glass pane.

Wall opening	Lead Glass Pane	Pb Value
870 x 670 mm	800 x 600 mm	1.6 mm 2.2 mm
1070 x 870 mm	1000 x 800 mm	1.6 mm 2.2 mm
1270 x 870 mm	1200 x 800 mm	1.6 mm 2.2 mm
1270 x 1070 mm	1200 x 1000 mm	2.2 mm
1470 x 1070 mm	1400 x 1000 mm	2.2 mm
1670 x 1070 mm	1600 x 1000 mm	2.2 mm
1870 x 1070 mm	1800 x 1000 mm	2.2 mm
2070 X 1070 mm	2000 x 1000 mm	2.2 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-laying radiation protection of Pb 2.0 mm and high quality lead glass pane.

Wall opening	Lead Glass Pane	Pb Value
870 x 670 mm	800 x 600 mm	1.6 mm 2.2 mm
1070 x 870 mm	1000 x 800 mm	1.6 mm 2.2 mm
1270 x 870 mm	1200 x 800 mm	1.6 mm 2.2 mm
1270 x 1070 mm	1200 x 1000 mm	2.2 mm
1470 x 1070 mm	1400 x 1000 mm	2.2 mm
1670 x 1070 mm	1600 x 1000 mm	2.2 mm
1870 x 1070 mm	1800 x 1000 mm	2.2 mm
2070 x 1070 mm	2000 x 1000 mm	2.2 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-laying radiation protection of Pb 2.0 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	1.1 mm 1.6 mm 2.2 mm
570 x 470 mm	500 x 400 mm	1.1 mm 1.6 mm 2.2 mm
670 x 470 mm	600 x 400 mm	1.1 mm 1.6 mm 2.2 mm
770 x 570 mm	700 x 500 mm	1.1 mm 1.6 mm 2.2 mm

Non standard sizes and other lead equivalencies available upon request.

RADIATION PROTECTIVE LEAD GLASS

Radiation Protective Lead Glass – High-quality, radiation protective glass, protection quality "S" according to DIN 6841

	Pb 1.1	Pb 1.6	Pb 2.2	Pb 2.7	Pb 3.2	Pb 3.7	Pb 5.1	Pb 6.4
	Article No.	Article No.	Article No.	Article No.	Article No.	Article No.	Article No.	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	GR8410/4030	GR8415/5040	GR8420/5040	GR8427/5040	GR8432/5040	GR8437/5040	GR8551/5040	GR8464/5040
600 x 400	GR8410/4030	GR8415	GR8420/6040	GR8427/6040	GR8432/6040	GR8437/6040	GR8551/6040	GR8464/6040
700 x 500	GR8410/4030	GR8415	GR8420/7050	GR8427/7050	GR8432/7050	GR8437/7050	GR8551/7050	GR8464/7050
800 x 600	GR8410/4030	GR8415	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	—	—
Ø 30 cm								
Ø 35 cm								
Ø 45 cm								

Pb value measured at 110 kV

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

MOUNTING PARTS FOR GLASS PANES

The complete list of parts for attaching 8 – 12 mm glass panes to doors or walls:

- Four plastic holders in black
- Four wood screws
- Four screw anchors for wood screws
- Four flat-head screws M5x16 VA DIN85

Article-No.	Description
GR844	Mounting parts for glass panes up to Pb 2.2 mm and maximum 8.5 mm thickness, 4 pieces per set
GR845	Mounting parts for glass panes with a Pb 2.2 mm to 3.5 mm und maximum thickness 8.5 mm to 12.0 mm, 4 pieces per set

LC GLASS PRO

Radiation Protective Lead Glass in partnership with LC Glass PRO

Allows you or your clients a more private atmosphere when needed. With a touch of the control, the transparent window turns into opaque glass. Prices upon request. Please inform us of the size and Pb value needed.

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