

Zero-Gravity® Floor Unit

The Suspended Radiation Protection System



Ordering Information

Model	Order Number
Zero-Gravity ZGM-6.5H Floor Unit	403803
Accessories	
Zero-Gravity ZGD20WA-Loop Cover Box	403806
Zero-Gravity ZGAV-S Vest	403810
Zero-Gravity ZGAV-M Vest	403820
Zero-Gravity ZGAV-L Vest	403812

The Vest is also available in sizes XS, XL, 2XL, 3XL.

Available Conversions

Conversion	Conversion to	Order Number
ZeroGravity ZGHH-CMHSA Conversion	Floor-Unit => ZGCM-HSA	403809
ZeroGravity ZGHH-CM48 Conversion	Floor-Unit => ZGCM-48	454571
ZeroGravity ZGHH-HSA Conversion	Floor-Unit => ZG-HSA	454570

Product Highlights

Orthopedic Protection

Unlike conventional lead aprons, Zero-Gravity is designed to take the weight off clinicians' body and to prevent fatigue and orthopedic strain.

Higher Radiation Protection

Compared to conventional lead aprons with undertable shields or ceiling-mounted shields, Zero-Gravity provides superior operator protection during fluoroscopy.^{1,2,3}

Flexibility and Ease of Movement

The Floor Unit offers freedom of movement during procedures, and it can be easily re-positioned for a broad range of procedures and room configurations.

1 Haussen DC, Van Der Born IMJ, Nogueira RG. J NeuroIntervent Surg 2016; 8:1052-1055.

2 Marichal DA, Anwar T, Kirsch D, et al. Comparison of a for radiation exposure of a simulated interventionalist. J Vasc Interv Radiol 2011; 22: 437--42.

3 Savage C, Seale IV TM, Shaw CJ et al. (2013) Evaluation of a Suspended Personal Radiation Protection System vs. Conventional Apron and Shields in Clinical Interventional Procedures, Open Journal of Radiology, <http://dx.doi.org/10.4236/ojrad.2013.33024>.

Zero-Gravity® Floor Unit



Technical Data

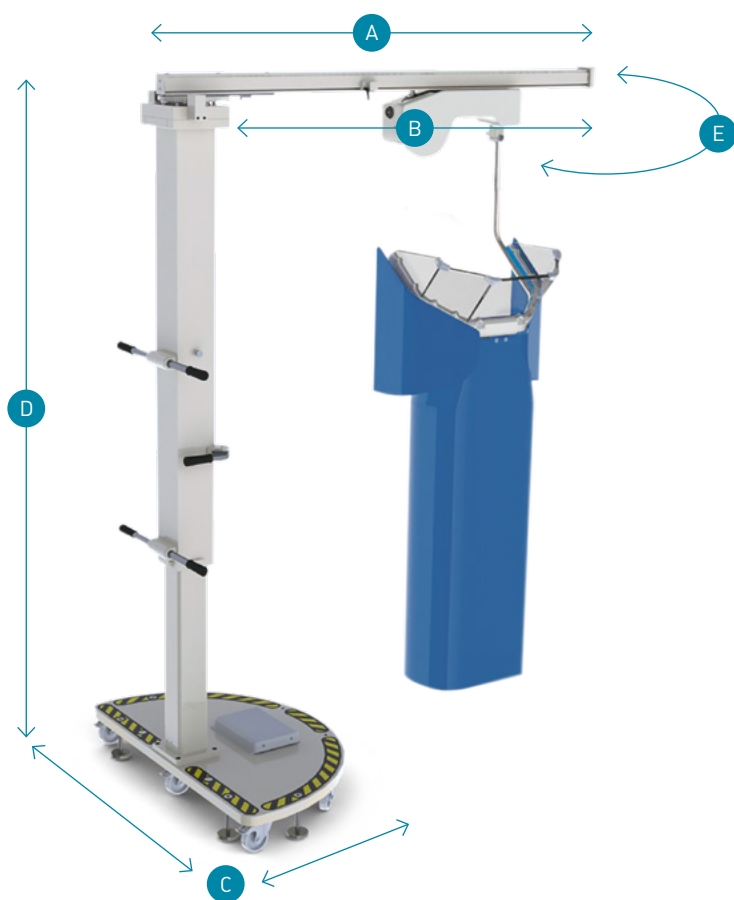
General Information

A) Boom arm length	200 cm
B) Balancer working length	106 cm
C) Floor base dimensions	Width 122 cm; deep 71 cm
D) Height	Max. 274 cm; min. 239 cm
E) Overhead arm rotation	150°
Floor Unit weight	341 kg
Dimension of the wooden packaging (L x W x H)	112 cm x 150 cm x 224 cm
Weight with packaging	636 kg

Radiation Absorption

Leaded head shield	0.5 mm Pb equivalency
Leaded shoulder/body shield	1.00 mm Pb equivalency

*All measurements are close approximations and subject to change by manufacturer



Zero-Gravity® Monorail 48

The Suspended Radiation Protection System



Ordering Information

Model	Order Number
Zero-Gravity ZGCM-48 Monorail	403 802
Accessories	
Zero-Gravity Monorail Leaded Acrylic Shield	427 907
Zero-Gravity ZGD20WA-Loop Cover Box	403 806
Zero-Gravity ZGAV-S Vest	403 810
Zero-Gravity ZGAV-M Vest	403 820
Zero-Gravity ZGAV-L Vest	403 812

The Vest is also available in sizes XS, XL, 2XL, 3XL.

Available Conversions

Conversion	Conversion to	Order Number
ZeroGravity ZGHH-66-CMHSA Conversion	ZGCM-48/66 => ZGCM-HSA	457 617

Product Highlights

Orthopedic Protection

Unlike conventional lead aprons, Zero-Gravity is designed to take the weight off clinicians' body and to prevent fatigue and orthopedic strain.

Higher Radiation Protection

Compared to conventional lead aprons with undertable shields or ceiling-mounted shields, Zero-Gravity provides superior operator protection during fluoroscopy.^{1,2,3}

Flexibility and Ease of Movement

The 48 Monorail offers freedom of movement during procedures, and it can be easily re-positioned for a broad range of procedures and room configurations. All points are to be reached by operator within 120 cm and depending on the rail position with patient access from both sides of the table. Upgradeable for two shields per rail.

1 Haussen DC, Van Der Born IMJ, Nogueira RG. J NeuroIntervent Surg 2016; 8:1052-1055.

2 Marichal DA, Anwar T, Kirsch D, et al. Comparison of a for radiation exposure of a simulated interventionalist. J Vasc Interv Radiol 2011; 22: 437--42.

3 Savage C, Seale IV TM, Shaw CJ et al. [2013] Evaluation of a Suspended Personal Radiation Protection System vs. Conventional Apron and Shields in Clinical Interventional Procedures, Open Journal of Radiology, <http://dx.doi.org/10.4236/ojrad.2013.33024>.

Zero-Gravity® Monorail 48



Technical Data

General Information

A) Straight rail length	300 cm
B) Boom arm length	165 cm
C) Adjustable overhang to a max.	122 cm
D) Ceiling height requirement	Max: 305 cm, min: 259 cm
Overhead arm rotation	360°
Total system weight	143 kg
Dimension of the wooden packaging (L x W x H)	305 cm x 125 cm x 84 cm
Weight with packaging	454 kg

Radiation Absorption

Leaded head shield	0.5 mm Pb equivalency
Leaded shoulder/body shield	1.00 mm Pb equivalency

*All measurements are close approximations and subject to change by manufacturer



Zero-Gravity® Monorail 66

The Suspended Radiation Protection System



Ordering Information

Model	Order Number
Zero-Gravity ZGCM-66 Monorail	403801
Accessories	
Zero-Gravity Monorail Leaded Acrylic Shield	427907
Zero-Gravity ZGD20WA-Loop Cover Box	403806
Zero-Gravity ZGAV-S Vest	403810
Zero-Gravity ZGAV-M Vest	403820
Zero-Gravity ZGAV-L Vest	403812

The Vest is also available in sizes XS, XL, 2XL, 3XL.

Product Highlights

Orthopedic Protection

Unlike conventional lead aprons, Zero-Gravity is designed to take the weight off clinicians' body and to prevent fatigue and orthopedic strain.

Higher Radiation Protection

Compared to conventional lead aprons with undertable shields or ceiling-mounted shields, Zero-Gravity provides superior operator protection during fluoroscopy.^{1,2,3}

Flexibility and Ease of Movement

The 66 Monorail offers freedom of movement during procedures, and it can be easily re-positioned for a broad range of procedures and room configurations. All points are to be reached by operator within 165 cm and depending on the rail position with patient access from both sides of the table. Upgradeable for two shields per rail.

1 Haussen DC, Van Der Born IMJ, Nogueira RG. J NeuroIntervent Surg 2016; 8:1052-1055.

2 Marichal DA, Anwar T, Kirsch D, et al. Comparison of a for radiation exposure of a simulated interventionalist. J Vasc Interv Radiol 2011; 22: 437--42.

3 Savage C, Seale IV TM, Shaw CJ et al. [2013] Evaluation of a Suspended Personal Radiation Protection System vs. Conventional Apron and Shields in Clinical Interventional Procedures, Open Journal of Radiology, <http://dx.doi.org/10.4236/ojrad.2013.33024>.

Zero-Gravity® Monorail 66



Technical Data

General Information	
A) Straight rail length	300 cm
B) Boom arm length	272 cm
C) Adjustable overhang to a max.	168 cm
D) Ceiling height requirement	Max. 305 cm, min. 259 cm
Overhead arm rotation	360°
Total system weight	147 kg
Dimension of the wooden packaging (L x W x H)	305 cm x 125 cm x 84 cm
Weight with packaging	458 kg

Radiation Absorption	
Leaded head shield	0.5 mm Pb equivalency
Leaded shoulder/body shield	1.00 mm Pb equivalency

*All measurements are close approximations and subject to change by manufacturer



Zero-Gravity® Monorail Hinged Swing Arm

The Suspended Radiation Protection System



Ordering Information

Model	Order Number
Zero-Gravity ZGCM-HSA – Monorail Hinged Swing Arm	412766
Accessories	
Zero-Gravity Monorail Leaded Acrylic Shield	427907
Zero-Gravity ZGD20WA-Loop Cover Box	403806
Zero-Gravity ZGAV-S Vest	403810
Zero-Gravity ZGAV-M Vest	403820
Zero-Gravity ZGAV-L Vest	403812

The Vest is also available in sizes XS, XL, 2XL, 3XL.

Product Highlights

Orthopedic Protection

Unlike conventional lead aprons, Zero-Gravity is designed to take the weight off clinicians' body and to prevent fatigue and orthopedic strain.

Higher Radiation Protection

Compared to conventional lead aprons with undertable shields or ceiling-mounted shields, Zero-Gravity provides superior operator protection during fluoroscopy.^{1,2,3}

Flexibility and Ease of Movement

The Monorail Hinged Swing Arm offers freedom of movement during procedures, and it can be easily re-positioned for a broad range of procedures and room configurations. All points are to be reached by operator within 230 cm from the rail which has a range of 300 cm. With patient access from both sides of the table. Upgradeable for two shields per rail.

1 Haussen DC, Van Der Born IMJ, Nogueira RG. J NeuroIntervent Surg 2016; 8:1052-1055.

2 Marichal DA, Anwar T, Kirsch D, et al. Comparison of a for radiation exposure of a simulated interventionalist. J Vasc Interv Radiol 2011; 22: 437--42.

3 Savage C, Seale IV TM, Shaw CJ et al. [2013] Evaluation of a Suspended Personal Radiation Protection System vs. Conventional Apron and Shields in Clinical Interventional Procedures, Open Journal of Radiology, <http://dx.doi.org/10.4236/ojrad.2013.33024>.

Zero-Gravity® Monorail Hinged Swing Arm

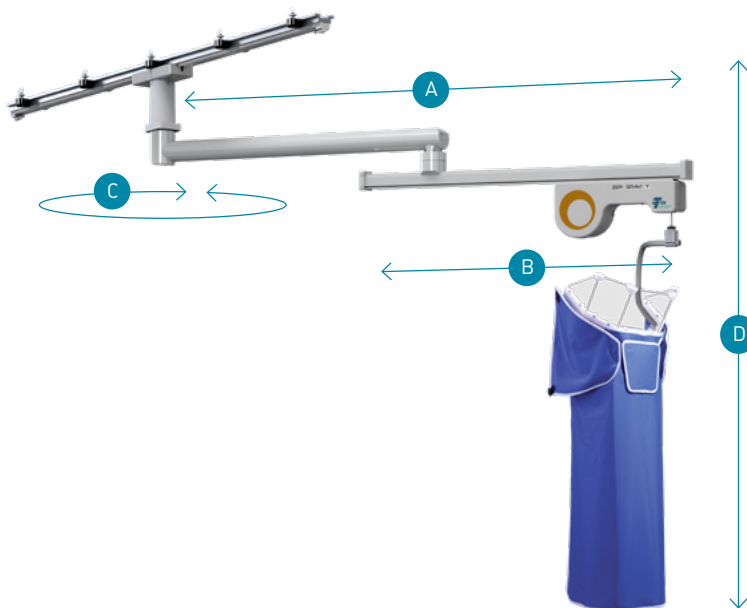


Technical Data

General Information	
A) Boom arm length (total 2 booms from the monorail connection point)	240 cm
B) Balancer working length	118 cm
C) Boom arm rotation (for both arms)	360°
D) Ceiling height requirement	Min. 274 cm
Weight	189 kg
Dimension of the wooden packaging (L x W x H)	305 cm x 125 cm x 84 cm
Weight with packaging	500 kg

Radiation Absorption	
Leaded head shield	0.5 mm Pb equivalency
Leaded shoulder/body shield	1.00 mm Pb equivalency

*All measurements are close approximations and subject to change by manufacturer



Zero-Gravity® Hinged Swing Arm

The Suspended Radiation
Protection System



Ordering Information

Model	Order Number
Zero-Gravity ZGHSA Hinged Swing Arm	403805
Accessories	
Zero-Gravity Monorail Leaded Acrylic Shield	427907
Zero-Gravity ZGD20WA-Loop Cover Box	403806
Zero-Gravity ZGAV-S Vest	403810
Zero-Gravity ZGAV-M Vest	403820
Zero-Gravity ZGAV-L Vest	403812

The Vest is also available in sizes XS, XL, 2XL, 3XL.

Product Highlights

Orthopedic Protection

Unlike conventional lead aprons, Zero-Gravity is designed to take the weight off clinicians' body and to prevent fatigue and orthopedic strain.

Higher Radiation Protection

Compared to conventional lead aprons with undertable shields or ceiling-mounted shields, Zero-Gravity provides superior operator protection during fluoroscopy.^{1,2,3}

Flexibility and Ease of Movement

The Hinged Swing Arm offers freedom of movement during procedures, and it can be easily re-positioned for a broad range of procedures and room configurations. All points are to be reached by operator within 270 cm and with patient access from both sides of the table depending on the ceiling mounting position.

1 Haussen DC, Van Der Born IMJ, Nogueira RG. J NeuroIntervent Surg 2016; 8:1052-1055.

2 Marichal DA, Anwar T, Kirsch D, et al. Comparison of a for radiation exposure of a simulated interventionalist. J Vasc Interv Radiol 2011; 22: 437--42.

3 Savage C, Seale IV TM, Shaw CJ et al. [2013] Evaluation of a Suspended Personal Radiation Protection System vs. Conventional Apron and Shields in Clinical Interventional Procedures, Open Journal of Radiology, <http://dx.doi.org/10.4236/ojrad.2013.33024>.

Zero-Gravity® Hinged Swing Arm



Technical Data

General Information

A) Boom arm length	281 cm
B) Balancer working length	118 cm
C) Boom arm rotation (for both arms)	360°
D) Ceiling height requirement	Min. 272 cm
Weight	227 kg
Dimension of the wooden packaging (L x W x H)	188 cm x 89 cm x 130 cm
Weight with packaging	386 kg

Radiation Absorption

Leaded head shield	0.5 mm Pb equivalency
Leaded shoulder/body shield	1.00 mm Pb equivalency

*All measurements are close approximations and subject to change by manufacturer

