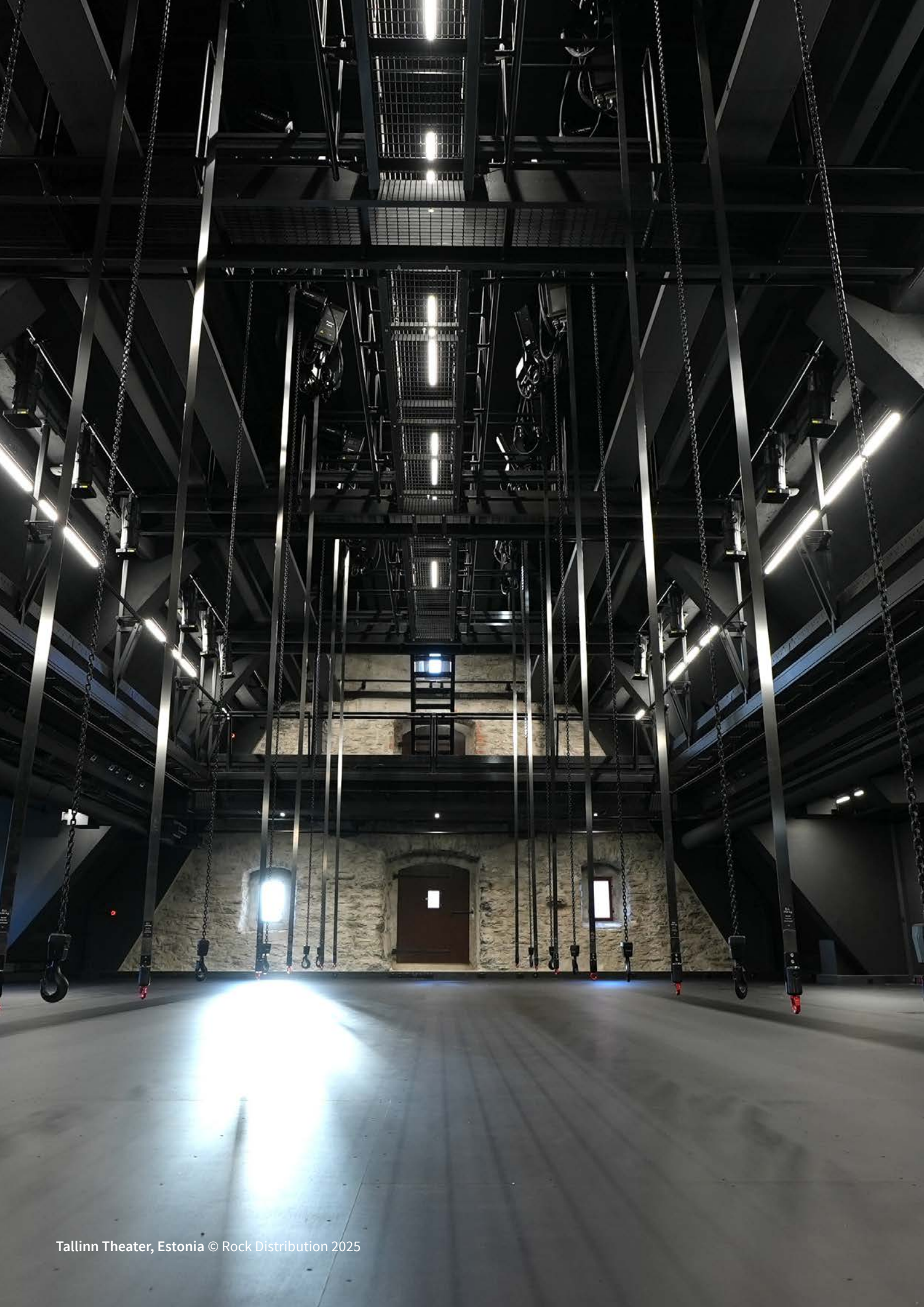


ENGLISH

PRODUCT OVERVIEW 2025





ASM - SPECIALIST FOR STAGE TECHNOLOGY



Wherever loads need to be hoisted, the ASM product range offers a complete selection of solutions for scenery hoists, point hoists and stage lighting hoists.

The company's philosophy of innovation is reflected in its numerous significant patents and its specialisation in providing standardised system solutions for every rigging requirements.

All ASM hoists are designed in accordance with the DGUV V17/18 and EN 17206 regulations. The hoists feature a gearbox with an integrated safety catch, which sets a superior standard in the market.

QUALITY AND SECURITY

Design and assembly are carried out at our headquarters in Bad Wünnenberg-Haaren, with the majority of the components sourced in Germany.

Innovation, exceptional quality, safety and user-friendliness are our foremost priorities. Our qualified staff and partners ensure that these high standards are met in every project.

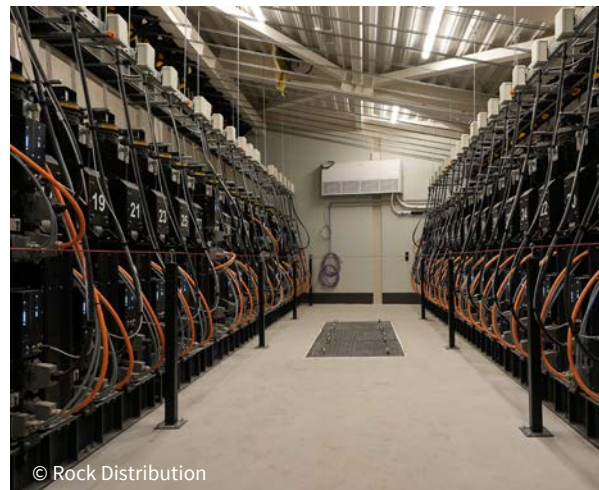
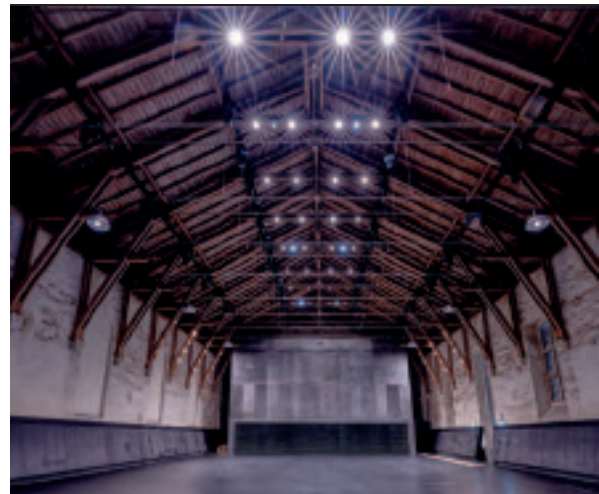
USE OF STEEL BAND AS LOAD BEARING LINE

In addition to wire ropes and chains, we also use steel bands as load bearing lines. The smooth surface of these steel bands ensures significantly quieter operation.

CUSTOMER SATISFACTION

ASM has proven itself as a reliable supplier of stage technology and solutions for even the most complex lifting applications. Customer satisfaction is very important to us, which is why ASM and its partners offer a comprehensive after-sales service in addition to sales service.

For this purpose, we continually train our partners around the world to carry out on-site installation and maintenance.

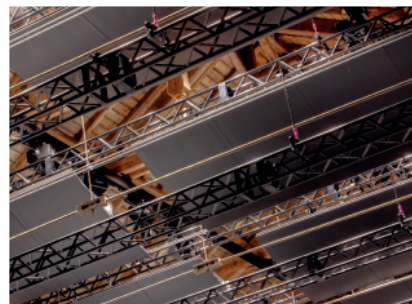


PRODUCT OVERVIEW

ASM - FOR EVERY STAGE LIFTING NEED

ASM PRODUCT OVERVIEW

WIRE ROPE HOISTS	STEEL BAND HOISTS	CHAIN HOISTS	MULTIPURPOSE HOISTS	CONTROL
SCENERY HOISTS	POINT HOISTS SINGLE & DUAL BAND	POINT HOISTS	BAND & LINE CHAINLINE SHAFTS	GENESIS CONTROL SYSTEM
HCWA TwinMaster p.06	BAND-it p.22	OttO p.28	Band RULO p.32	CD Control Desks p.41
HCWA TwinMaster LD p.10	TH Single Band p.24	UNO p.30	Chain RULO p.33	LC Lift Control p.43
HCWA Junior p.12	TrackPoint Single Band p.25		CLUSTER HOISTS	RC Handheld Control p.43
HCWA TwinMaster HD p.16	JR Dual Band p.26		Band Cluster p.34	PowerPack p.43
HCWA Junior HD p.17	SCENERY HOISTS		Chain Cluster p.35	Axiscard p.43
HCWA Nita HD p.18	Spider p.27		LIGHTING & MEDIA HOISTS	
POINT HOISTS			LMH p.36	
GridPoint TM p.20			Beamer Lift p.36	
			Self-Climbing Truss p.36	
			LT p.36	
			ARCHITECTURAL HOISTS	
			ArchiPoint p.37	
			OTHERS	
			Person Stage Lift p.38	



WIRE ROPE HOISTS

HCWA SCENERY HOIST

HIGHLY EFFICIENT SPACE SAVING SCENERY HOIST

ASM's signature HCWA hoist was originally designed to replace the manual theatre counterweight system. ASM engineers developed a compact, silent and versatile wire rope hoist. It resulted in one of the slimmest hoists featuring a width of less than 200 mm* that answers to every silent and space-efficient hoisting need, making it a favourite of theatre consultants and technical directors worldwide. The HCWA has become the perfect hoist solution for new construction projects as well as renovations.

Silent drive with heavily loaded ropes

The HCWA family is up to 50% lighter than other scenery hoists, reducing forces on existing building structures while ensuring exceptionally quiet operation. Its minimal noise impact makes it ideal for theaters, concert halls, and other noise-sensitive environments.

Speed and precision

The scenery hoists have a standard lifting capacity ranging from 250 to 2000 kgs, with variable speed of up to 2,0 m/s. The HCWA hoists move stage elements with accuracy.

Safety is ASM's development policy

All HCWA scenery hoists are designed in strict conformity with the DGUV V17/18 and EN 17206 regulations and are designed to allow performing flying of people. The hoists feature a gearbox with a safety catch, which sets a superior safety standard in the market.

Compatible control

All HCWA scenery hoists are made to be SIL3 ready and can be coupled with a SIL3 control, such as ASM GENESIS SIL3 control.

* Depending on the load capacity or application, the width may exceed 200 mm.



WIRE ROPE HOISTS

HCWA TWINMASTER - SCENERY HOIST

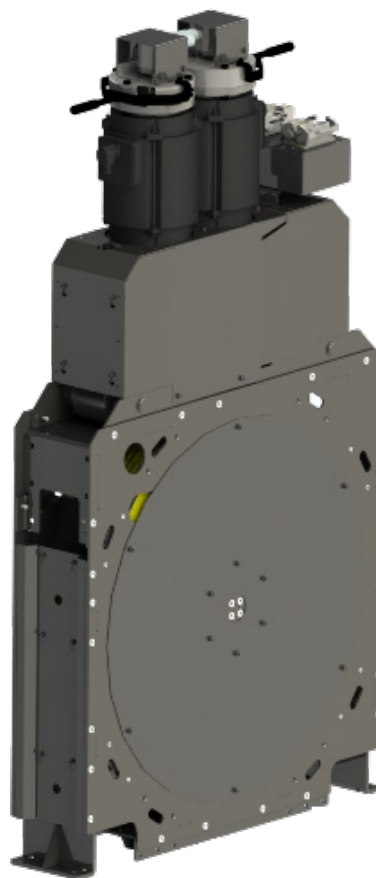
HCWA TM

The HCWA TwinMaster range impresses with its slim design, measuring less than 200 mm in width*. This fully redundant hoist is driven by the patented double worm gear by means of extremely durable steel band, ensuring exceptionally smooth and silent operation of the rope drum.

With a standard lifting capacity of up to 1000 kg, the TwinMaster offers variable speeds up to 2,0 m/s, depending on the model, and allows for a travel distance of up to 34 meters. Thanks to its quiet operation, it ensures minimal noise impact. Additionally, it is up to 50% lighter than conventional scenery hoists, significantly reducing structural loads on stage installations.

As the fully redundant scenery hoist is driven by two independent motors, the reduction gear operates with two outputs and thus offers maximum safety. It is designed in strict compliance with DGUV V17/18 and EN 17206 regulations and features a gearbox-integrated safety catch for enhanced protection.

The HCWA TwinMaster range has been developed to meet both local and international safety regulations and seamlessly integrates with a wide range of professional control systems, making it an ideal choice for demanding stage and scenery applications.



THE HCWA TWINMASTER RANGE

- The HCWA TM hoist consists of two main assemblies: a drum and a drive unit
- The drive unit consists of one patented TwinMaster gearbox on which two identical motors are mounted
- The drive unit will determine the hoist lifting capacity and speed
- The drum size determines the travel
- Not all drives can be combined with all the drum sizes



HCWA TM				
Model	TM 600	TM 700	TM 800	TM 1000
Max travel (with 6mm rope)**	17,5 m	21 m	24,5 m	31 m
Load bearing line***	Rope, 6 mm			
Number of ropes (standard)	7			
Safety system	2 independent theatre brakes			

* Depending on the load capacity or application, the width may exceed 200 mm. For instance the TwinMaster with 218 drive (TM800 218 and TM1000 218), and other specified models.

** Max travel comes without extra safety turns, but with enough rope to allow the dead end function. Please contact ASM or your ASM partner for the max travel with safety turns.

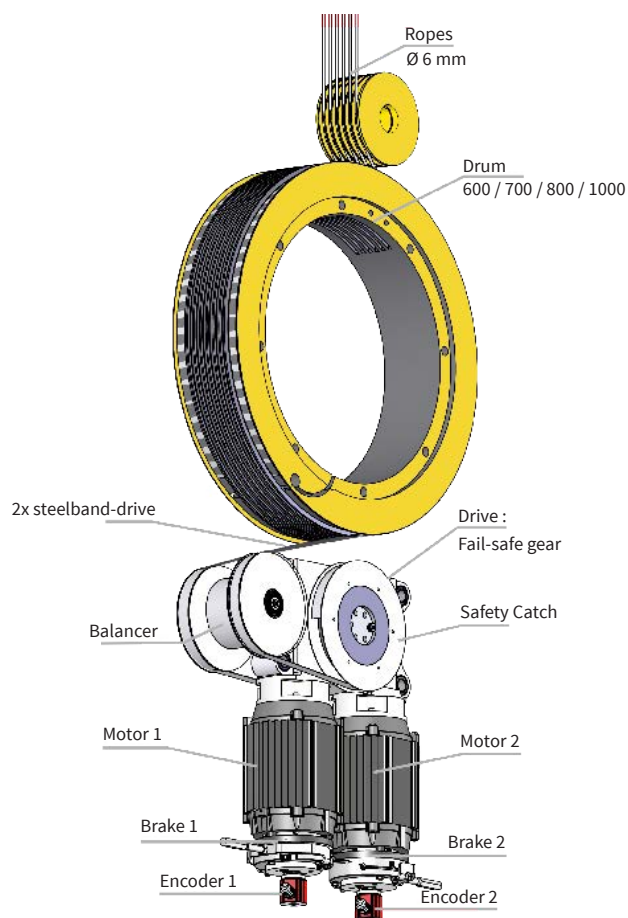
*** Longer travel or 8 mm ropes on request.

WIRE ROPE HOISTS

HCWA TWINMASTER - SCENERY HOIST

STANDARD FEATURES & BENEFITS

- Fully redundant, two channel safety hoist concept with international patented double worm gearbox with safety catch
- Zero fleet hoist: no interfering rope angles
- Two independent silent theatre brakes
- High precision positioning of the load is achieved due to large drum diameter
- HCWA TM drive unit is equipped with the HCWA TM redundant double worm gearbox, two motors, two theatre brakes, two encoders, and the balancer
- The hoist consists of a rope drum unit and a motor unit mounted on vibration dampers, resulting in the elimination of noise, vibration and swinging inside the chassis
- The steel frame inside the cast polyamide drum prevents drum collapse in event of a fire
- Silent and smooth-running of ropes is ensured by cast polyamide drum (long life expectancy)
- Standard drums in different diameters come with 7 grooves for 6 mm ropes, for a total width of the hoist of less than 200 mm*
- If less ropes are needed, ASM or the approved partner is going to close the extra grooves professionally. If more ropes are needed optional extra grooves are available
- SIL3 ready and can be coupled with SIL3 control, such as ASM GENESIS SIL3 control



	DRIVE UNIT	MOTOR PERFORMANCE	AVAILABLE DRUM DIAMETER	SPEED IN M/S **	TOTAL CAPACITY IN KG	ELL IN KG	OWN WEIGHT OF LOAD BAR IN KG
HCWA TM	Drive 108	8 kW (2 x 4kW)	600/700/800	1	650	500	150
				1,2	550	400	150
				1,5	450	300	150
HCWA TM	Drive 211	11 kW (2 x 5,5 kW)	800/1000	1,2	750	550	200
				1,5	600	450	150
				1,8	500	350	150
HCWA TM	Drive 215	15 kW (2 x 7,5kW)	800/1000	1,2	850	650	200
				1,5	800	650	150
				1,8	700	500	200
HCWA TM	Drive 218*	18,4 kW (2 x 9,2 kW)	800/1000	1,2	1000	800	200
				1,5	900	700	200
				1,8	800	600	200

* Depending on the load capacity or application, the width may exceed 200 mm (for the TM 800 218 and the TM 1000 218)

** Faster speed possible on request, with total load capacity reduction. Contact ASM to review individual case.

WIRE ROPE HOISTS

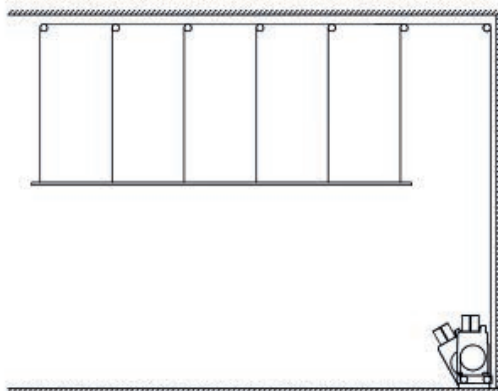
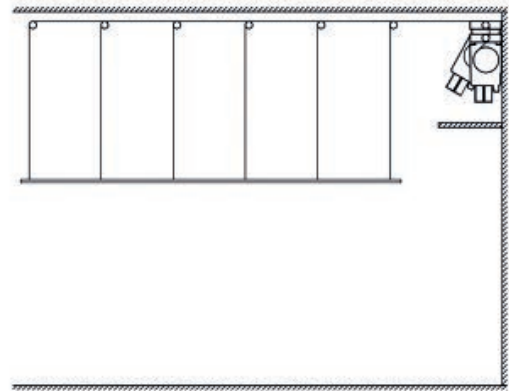
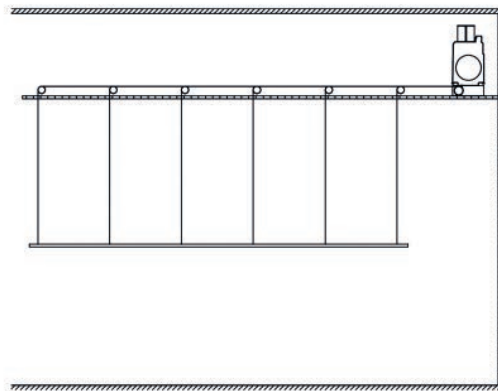
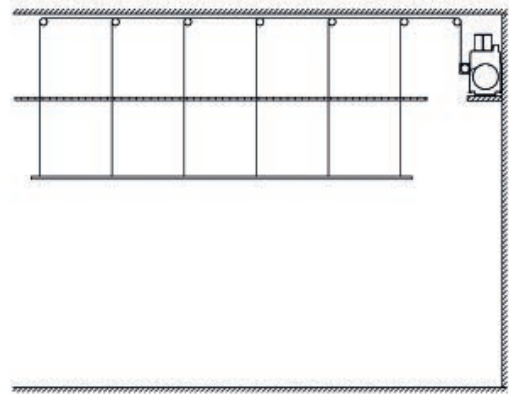
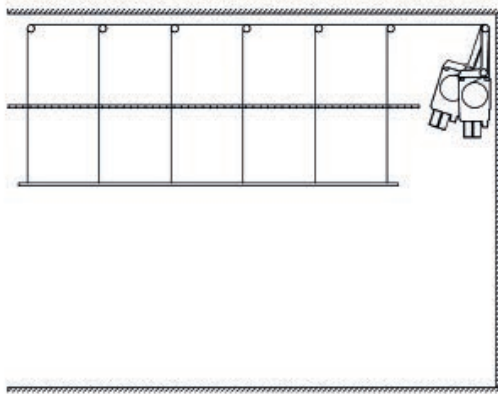
HCWA TWINMASTER SCENERY HOISTS

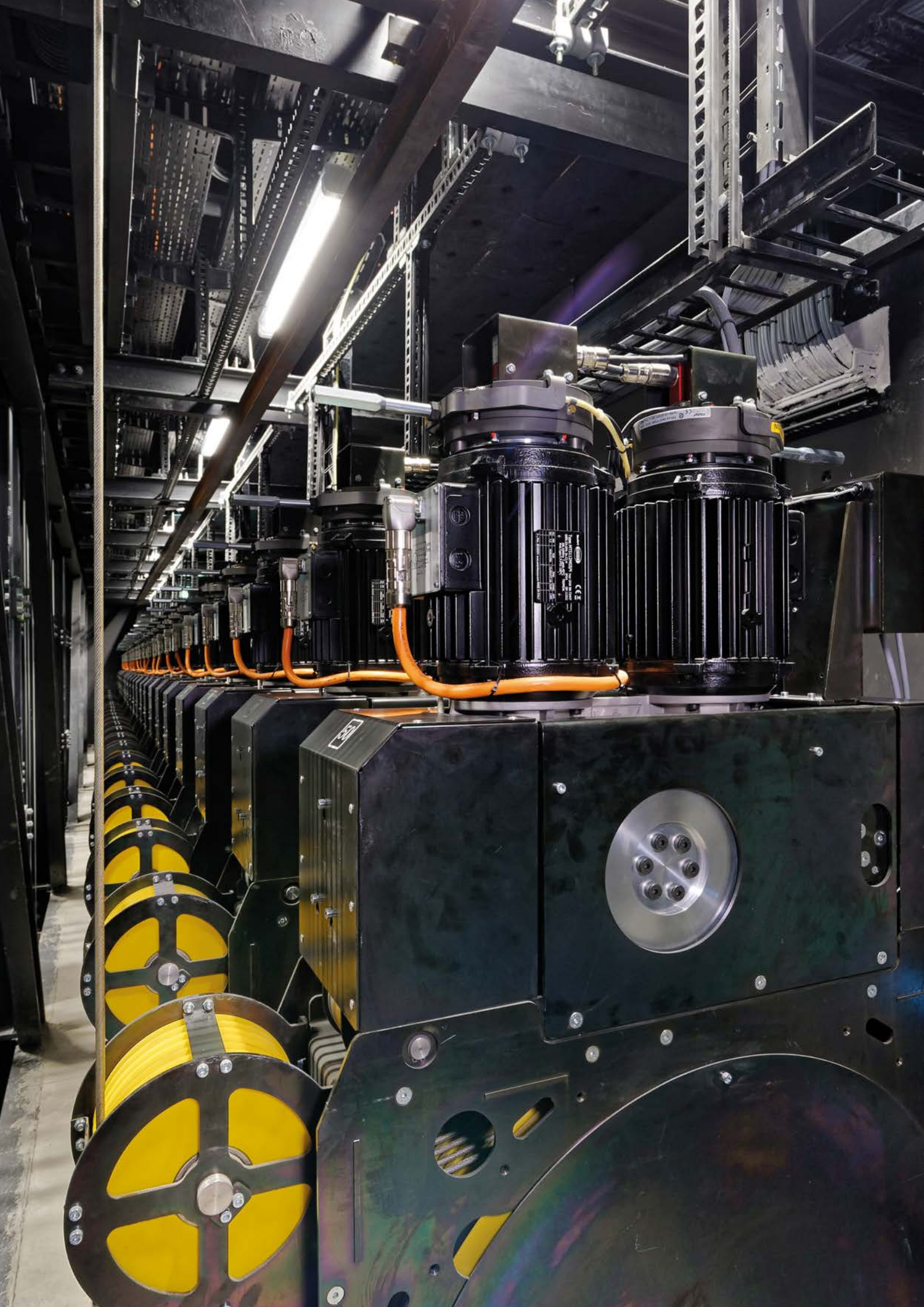
FLEXIBLE INSTALLATION OPTIONS - HCWA TWINMASTER

The HCWA scenery hoist has proven to be a magnificent space saver on fly loft installations, and also allows flexible hanging on head pulley structures or on wall installations. Due to its compact size and silent technology, the HCWA hoists can be mounted perfectly where no other hoist would fit.

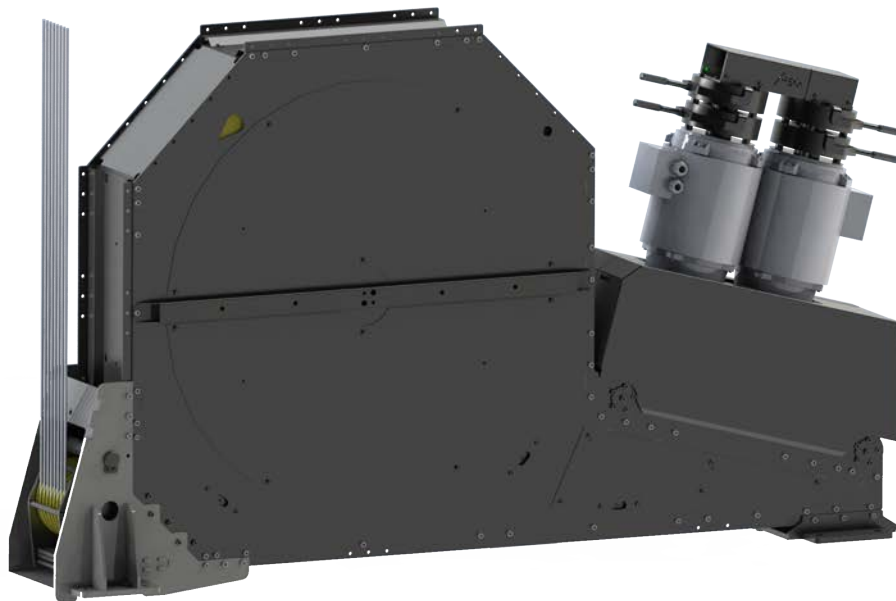
The HCWA TwinMaster requires no additional isolation for sound and vibration, as vibration is absorbed inside the hoist. More installation methods possible.

For dimensions and more detailed information, please visit the ASM website and HCWA TM datasheets.





HCWA TWINMASTER LATERAL - SCENERY HOIST



HCWA TM LD

The HCWA TwinMaster Lateral is a powerful variant of the TwinMaster range, designed for high-performance lifting with extended travel capabilities. It is ideal for demanding stage and scenery applications where precision, reliability, and safety are key.

The HCWA TM LD is available with variable speeds of up to 1,8 m/s, offering a load capacity of up to 1250 kg on ropes and a maximum travel distance up to 36 meters.

Both versions feature a patented double worm gear with a dual-output reduction system, ensuring full redundancy and exceptionally smooth operation. Designed in strict compliance

with DGUV V17/18 and EN 17206 regulations, the hoist includes a gearbox-integrated safety catch for enhanced protection.

Like the rest of the TwinMaster range, the HCWA TM LD is built to meet both local and international safety standards and seamlessly integrates with a wide range of professional control systems, making it a versatile and robust solution for advanced stage and scenery lifting needs.



HCWA TM LD

Model	TM LD 1000	TM LD 1200
Max travel (with 8mm rope)*	30 m	36 m
Load bearing line**	Rope, 8 mm	
Number of ropes (standard)	6	8
Safety System	4 independent theatre brakes	
Dimensions (HxWxD)	1166 x 320 x 2173 mm	1375 x 340 x 2373 mm

* Max travel comes without extra safety turns, but with enough rope to allow the dead end function
Please contact ASM or your ASM partner for the max travel with safety turns

** Longer travel possible on request

HCWA TWINMASTER LATERAL - SCENERY HOIST

STANDARD FEATURES & BENEFITS

- Fully redundant, two channel safety hoist concept with international patented double worm gearbox with safety catch
- two motors, four independent theatre brakes, two encoders, and the balancer
- Equipped with loadcell
- Zero fleet hoist: no interfering rope angles
- Compact hoist design of less than 340 mm, without mounting brackets
- High precision positioning of the load is achieved due to large drum diameter
- The steel frame inside the cast polyamide drum prevents drum collapse in event of a fire
- Silent and smooth-running of ropes is ensured by cast polyamide drum (long life expectancy)
- SIL3 ready and can be coupled with SIL3 control, such as ASM GENESIS SIL3 control

THE HCWA TWINMASTER LATERAL RANGE

HCWA TM LD 218 1000 and TM LD 222 1000

- Standardly equipped with a drum consisting of 6 grooves with 8 mm ropes
- Max travel : 30 m

HCWA TM LD 1200 and TM LD 222 1200

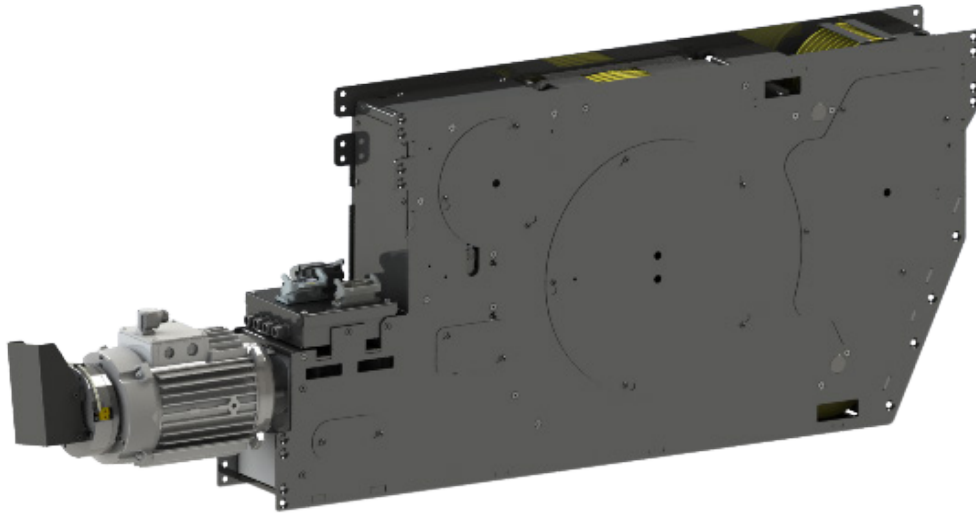
- Standardly equipped with a drum consisting of 8 grooves with 8 mm ropes
- Max travel : 36 m

	DRIVE UNIT	MOTOR PERFORMANCE	AVAILABLE DRUM DIAMETER	SPEED IN M/S *	TOTAL CAPACITY IN KG	ELL IN KG	OWN WEIGHT OF LOAD BAR IN KG	
HCWA TM LD	Drive 218	18,4 kW (2 x 9,2 kW)	1000/1200	1,2	1000	800	200	
				1,5	900	700	200	
				1,8	800	600	200	
	Drive 222	22 kW (2 x 11 kW)		1,2	1250	1000	250	
				1,5	1250	1000	250	
				1,8	1000	800	200	

* Faster speed possible on request, with total load capacity reduction. Contact ASM to review individual case.

WIRE ROPE HOISTS

HCWA JUNIOR - SCENERY HOIST



HCWA JUNIOR

The HCWA JR range impresses with its slim design and limitless application possibilities. With its extremely compact construction of less than 200 mm, ideal for replacing existing manual counterweight systems in theatres. It is the perfect choice for cultural centres, auditoriums, rehearsal stages, multipurpose halls, opera houses and exhibition halls that are looking to optimize space and efficiency.

The HCWA JR safely moves heavy loads of up to 650 kg with a speed of up to 0,8 m/s and a travel up to 22 m.

STANDARD FEATURES & BENEFITS

- Redundant drum drive with two individual chains
- Special chain tensioning system for quiet operation
- Zero fleet hoist: no interfering rope angles
- The hoist is equipped with a gearbox with an integrated safety catch, which sets a superior safety standard in the market
- The steel frame inside the cast polyamide drum prevents drum collapse in event of a fire
- Extremely silent and smooth-running of ropes due to cast polyamide drum is ensured (long life expectancy)



WIRE ROPE HOISTS

HCWA JUNIOR - SCENERY HOIST

THE HCWA JUNIOR RANGE

HCWA JR400

- Standardly equipped with a drum consisting of 6 grooves with 5 mm ropes
- Max travel : 11,5 m

HCWA JR600

- Standardly equipped with a drum consisting of 7 grooves with 6 mm ropes
- Max travel : 22 m

HCWA JR 400 & JR 600 with max speed 0,1 & 0,2 m/s

- Equipped as standard with a dynamic self-locking gear with a safety catch integrated in the gearbox
- Smooth deceleration of the load even in the event of a power failure
- As brakes are not required, the hoist requires less maintenance

HCWA JR 400 & JR 600 with max speed 0,8 m/s

- Equipped as standard with a safety catch integrated in the gearbox and two silent theatre brakes

HCWA JR						
Model	JR 400			JR 600		
Max (variable) speed in m/s	0,1	0,2	0,8	0,1	0,2	0,8
Hoist capacity in kg on ropes	650					
Number of ropes (standard)*	6			7		
Load bearing line	Rope, 5 mm			Rope, 6 mm		
Max travel in m	11,5			22		
Safety system	Dynamic self-locking gear		Two brakes	Dynamic self-locking gear		Two brakes
Motor performance in kW	1,5	4	5,5	1,5	4	5,5
Dimensions (HxWxD)	1250 x 198 x 447 mm	1390 x 198 x 447 mm	1507 x 198 x 447 mm	1604 x 198 x 652 mm	1643 x 198 x 652 mm	1761 x 198 x 652 mm

* Different number of ropes on request

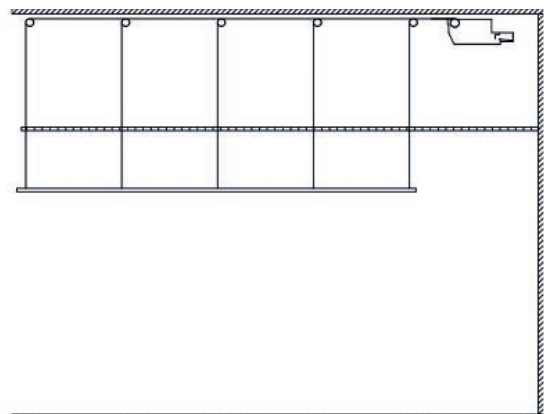
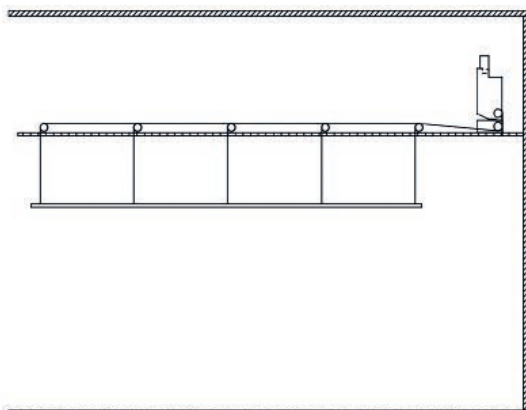
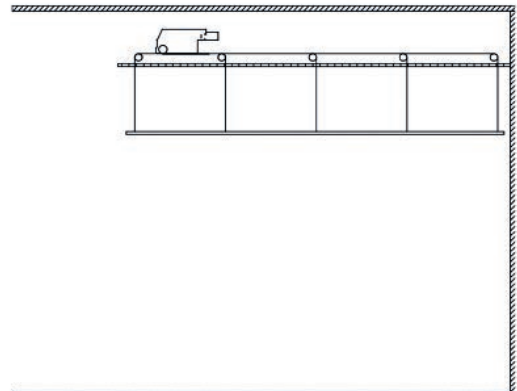
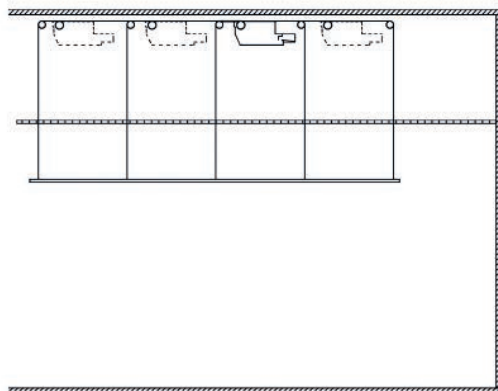
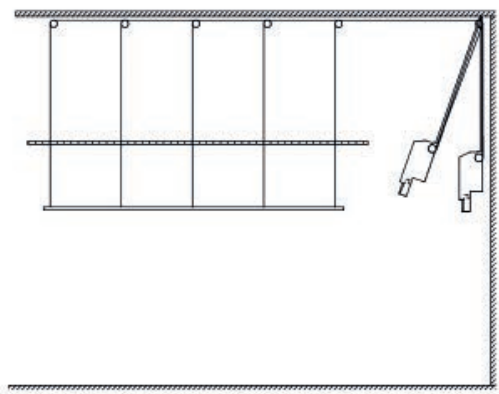
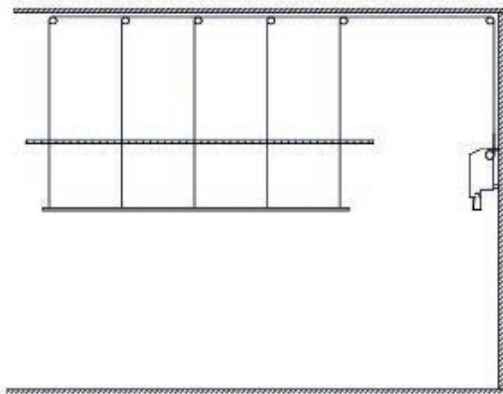
WIRE ROPE HOISTS

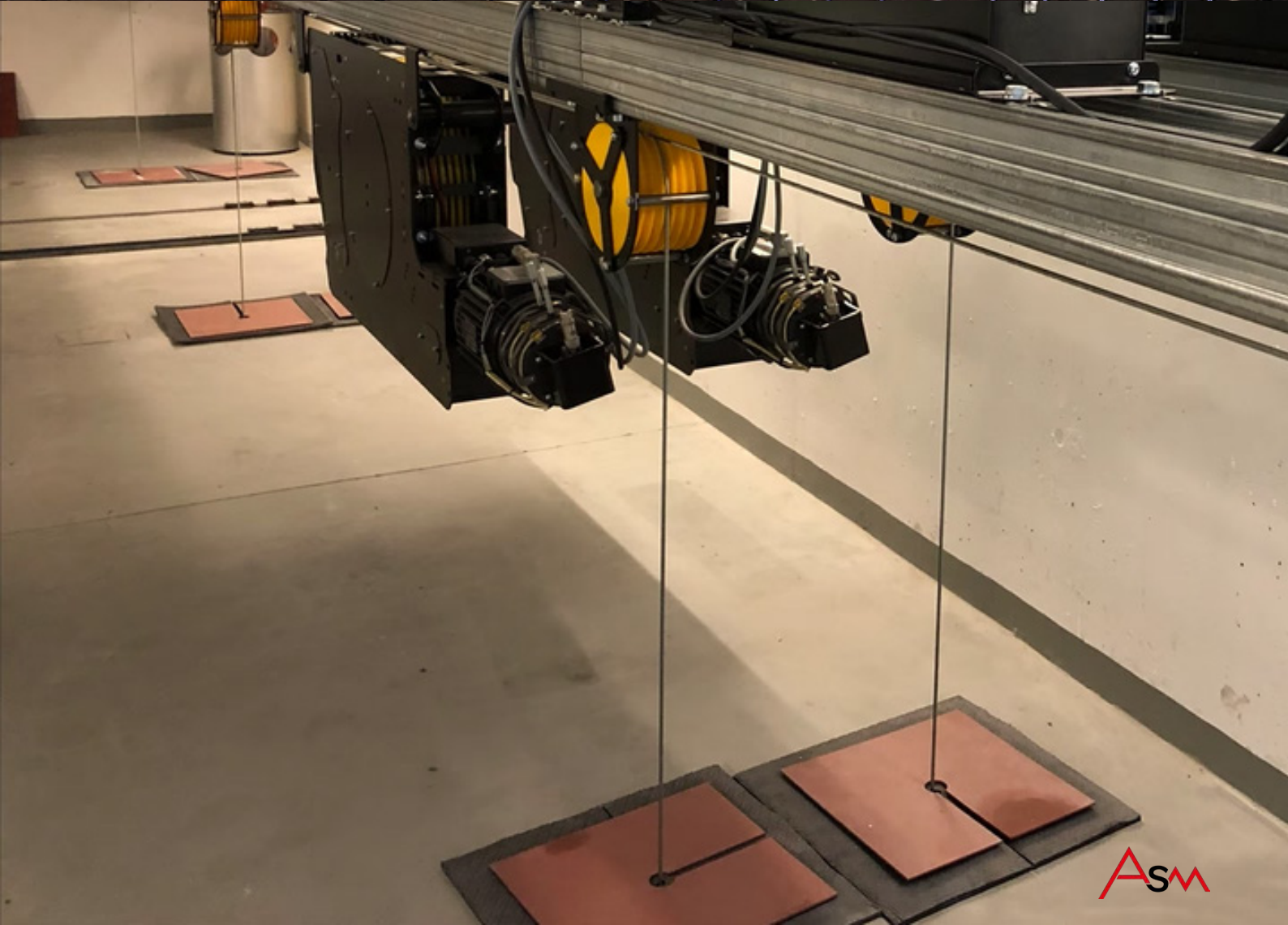
HCWA JUNIOR SCENERY HOIST

FLEXIBLE INSTALLATION OPTIONS - HCWA JUNIOR

Whether your scenery hoists need to be mounted on a wall, horizontally or overhead, the HCWA hoists are designed for safe and flexible installation positions.

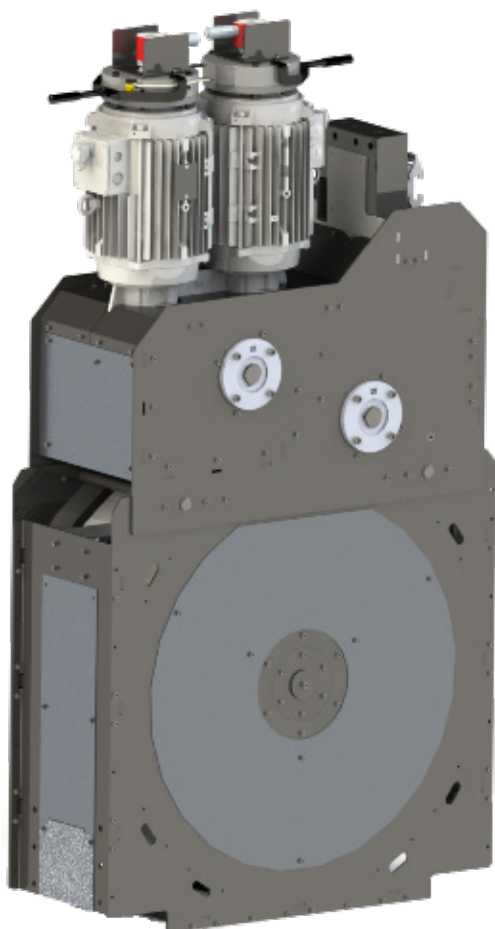
More installation methods possible.





WIRE ROPE HOISTS

HCWA TWINMASTER HD - SCENERY HOIST



STANDARD FEATURES & BENEFITS

- Redundant drum drive with two individual chains
- Special chain tensioning system for quiet operation
- Zero fleet hoist: no interfering rope angles
- The hoist is equipped with a gearbox with an integrated safety catch, which sets a superior safety standard in the market
- The steel frame inside the cast polyamide drum prevents drum collapse in event of a fire
- Silent and smooth-running of ropes is ensured by cast polyamide drum (long life expectancy)

HCWA TWINMASTER HD

The HCWA TM HD is the heavy-duty hoist of the TwinMaster range, most suitable for heavy-duty applications in theatres such as lifting lighting bridges, led walls or acoustical shelves. The HCWA TM HD safely moves heavy loads of up to 2000 kg with a speed of up to 0,5 m/s. This heavy-duty hoist comes in a standard in two versions: one with 6 mm ropes and one with 8 mm ropes. In double-reeved operation the TwinMaster HD lifts loads up to 4000 kg.

THE HCWA TWINMASTER HD HOIST RANGE

The HCWA TM HD exists with a standard drum of 800 mm in two versions.

- One version with standard 8 drops of 8 mm ropes with a max travel of 18 m.
- One version with standard 10 drops of 6 mm ropes with a max travel of 24 m.

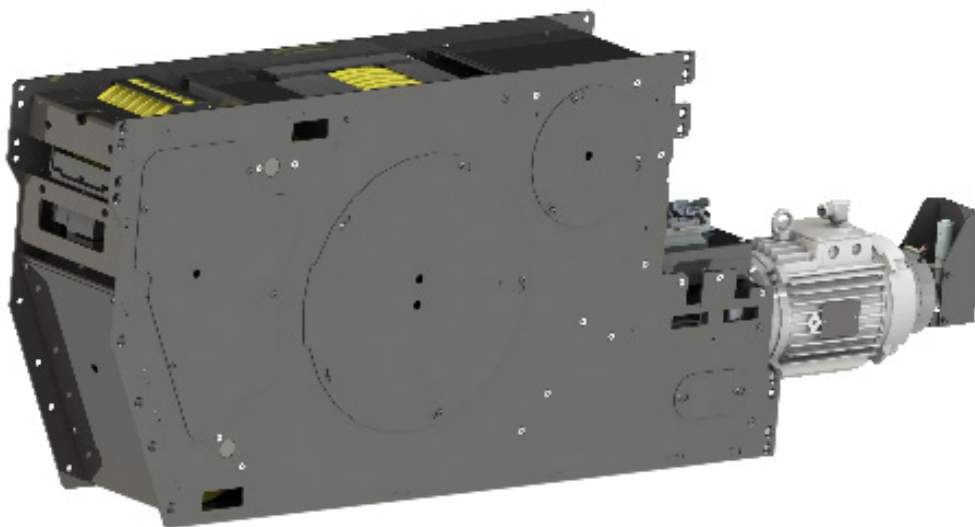
HCWA TM HD

Max. (variable) speed	Up to 0,5 m/s	
Hoist capacity on ropes	2000 kg	
Number of ropes (standard)*	10	8
Load bearing line	Rope, 6 mm	Rope, 8 mm
Max travel	24 m	18 m
Safety system	Two brakes	
Motor performance	Up to 18,4 kW	
Dimensions (HxWxD)	975 x 420 x 2070 mm	

* Different number of ropes on request

WIRE ROPE HOISTS

HCWA JUNIOR HD - SCENERY HOIST



HCWA JUNIOR HD

The HCWA JR HD as the heavy-duty hoist of the JR range and moves safely heavy loads of up to 1200 kg with a speed of up to 0,13 m/s. The heavy-duty hoist allows moving loads of up to 2400 kg due to a possible double-reeved operation.

The HCWA JR HD exists with a standard drum of 600 mm in two versions. One version with standard 8 drops of 6 mm ropes with a max travel of 22 m. One version with standard 6 drops of 8 mm ropes with a max travel of 16 m.

STANDARD FEATURES & BENEFITS

- Full synchronous group drive with ASM GENESIS control or third-party controls
- Compact design of less than 300 mm
- Zero fleet hoist: no interfering rope angles
- Special chain tensioning system for quiet operation
- Silent and smooth-running of ropes is ensured by cast polyamide drum (long life expectancy)
- Features a gearbox with a safety catch, which sets a superior safety standard in the market
- One version with standard 8 drops of 6 mm ropes with a max travel of 22 m, one version with standard 6 drops of 8 mm ropes with a max travel of 16 m
- Double-reeved operation possible, allowing for increased load capacities when required

THE HCWA JUNIOR HD HOIST RANGE

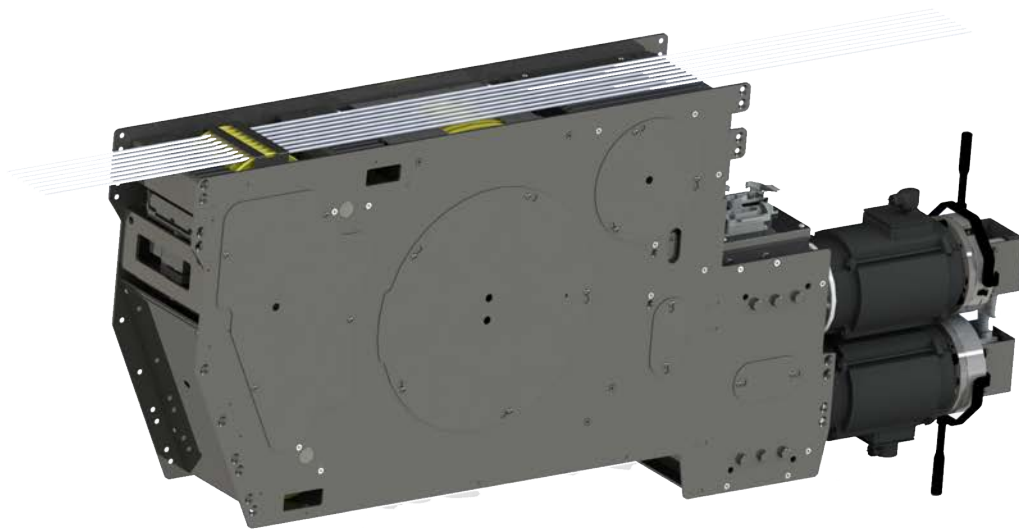
The HCWA JR HD exists with a standard drum of 800 mm in two versions.

- One version with standard 8 drops of 6 mm ropes with a max travel of 22 m.
- One version with standard 6 drops of 8 mm ropes with a max travel of 16 m.

HCWA JR HD		
Max (variable) speed	Up to 0,13 m/s	
Hoist capacity on ropes	1200 kg	
Number of ropes (standard)*	8	6
Load bearing line	Rope, 6 mm	Rope, 8 mm
Max travel	22 m	16 m
Safety system	Two brakes	
Motor performance	5,5 kW	
Dimensions (HxWxD)	652 x 252 x 1794,7 mm	

* Different number of ropes on request

HCWA NITA HD - SCENERY HOIST



HCWA NITA HD

The HCWA NITA HD safely lifts loads up to 1050 kg at 0,5 m/s. Designed for safe and reliable heavy-load handling, the HCWA NITA HD offers a robust and efficient solution for demanding stage and industrial applications.

STANDARD FEATURES & BENEFITS

- Full synchronous group drive with ASM GENESIS control or third-party controls
- Compact design of less than 300 mm
- Zero fleet hoist: no interfering rope angles
- Special chain tensioning system for quiet operation
- Extremely silent and smooth-running rope (long life expectancy) due to cast polyamide drum
- Features a gearbox with a safety catch, which sets a superior safety standard in the market
- One version with standard 8 drops of 6 mm ropes with a max travel of 22 m, one version with standard 6 drops of 8 mm ropes with a max travel of 16 m
- Double-reeved operation possible, allowing for increased load capacities when required

HCWA NITA HD		
Max (variable) speed	Up to 0,5 m/s	
Hoist capacity on ropes	1050 kg	
Number of ropes (standard)*	8	6
Load bearing line	Rope, 6 mm	Rope, 8 mm
Max travel	22 m	16 m
Safety system	Two brakes	
Motor performance	8 kW (2 x 4 kW)	
Dimensions (HxWxD)	868 x 266 x 1787 cm	

* Different number of ropes on request



Tallinn Theater, Estonia © Rock Disarmament 2025



WIRE ROPE HOISTS

GRIDPOINT TM - POINT HOIST



GRIDPOINT TM

The single rope GridPoint hoist is the latest addition to our unique and impressive hoist range. Available in two versions (grid or fixed installation), the GridPoint suits a wide range of applications. The highly mobile and easily set up grid-version with its unique and innovative pull-out arm system allows placement virtually anywhere on the grid. Also available in fixed installation (without the wheels and the tilting arm).

As a zero fleet hoist, the GridPoint ensures a rope angle of 0°, thus staying below the EN 17206 recommendation of 1,5°.

STANDARD FEATURES & BENEFITS

- Compact, mobile and powerful hoist
- Can be placed exactly where the drop point needs to be
- Unique pull-out arm system moves the hoist's own net weight away from the drop point
- Extremely wide travel range: 40 m
- Equipped with ASM TM motor gearbox unit which allows precise movement
- Two independent silent theatre brakes
- Equipped with 8 mm rope

THE GRIDPOINT TM HOIST RANGE

GridPoint TM 108

- Equipped with 2 x 4 kW motors
- Hoist capacity on rope up to 500 kg
- High acceleration : 3 m/s²

GridPoint TM 115

- Equipped with 2 x 7,5 kW motors
- Hoist capacity on rope up to 500 kg
- High acceleration : 1,5 m/s²

OPTIONS

- Fixed installation model
- Pulleys
- High-torque break on drumside

GRIDPOINT TM

Model	GridPoint TM 108				GridPoint TM 115		
Max (variable) speed in m/s	2,4	2	1,6	1,2	3	2,7	2,4
Hoist capacity in kg on rope	250	300	350	500	300	400	500
Number of ropes (standard)	1						
Load bearing line	Rope, 8 mm						
Max travel	40 m						
Safety system	Two independent theatre brakes						
Motor performance in kW	8 kW (2 x 4 kW)				15 kW (2 x 7,5 kW)		
Dimensions in position for operation (HxWxD)	788 x 774 x 1730 mm				818 x 774 x 1730 mm		
Dimensions in position for storage (HxWxD)	788 x 774 x 1258 mm				818 x 774 x 1258 mm		

WIRE ROPE HOISTS

GRIDPOINT TM - POINT HOIST



BAND-IT POINT HOIST



BAND-it

The ASM BAND-it 250 1,6 model is the newest addition to the steel band range. It is powerful, fast and remarkably flexible to meet a wide range of application needs. Its highly manoeuvrable drop pulley, in combination with the steel band, is ideal for fast, swinging movements.

The ASM BAND-it safely moves loads of up to 250 kg with a speed of 1,6 m/s. The BAND-it hoist is designed in strict conformity with the DGUV V17 and EN 17206 regulations and is designed to allow performing flying of people.

STANDARD FEATURES & BENEFITS

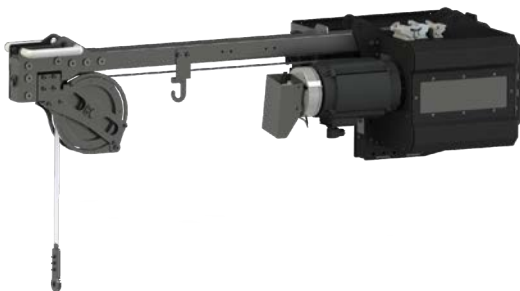
- Durable load bearing lines made out of steel band
- Silent and accurate operation
- Load carrying device by means of tear proof tested eyelet
- Removable eyelet allows the steel band passing through most grids

OPTIONS

- Double reeved operation possible

FIXED INSTALLATION MODEL

- Model without wheels available
- Hanging, or stand-alone



BAND-it

BAND-it	
Max. (variable) speed	1,6 m/s
Hoist capacity on steel band	250 kg
Number of steel band	1
Load bearing line	30 x 0,6 mm
Max travel	45 m
Safety system	Two brakes
Motor type	Asynchronous
Motor performance	5,5 kW
Dimensions (HxWxD)	563 x 660 x 1724 mm

STEEL BAND HOISTS

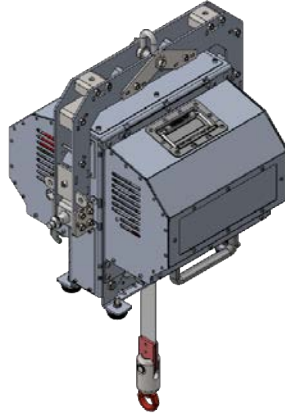
NEW

BAND-IT POINT HOIST



STEEL BAND HOISTS

TH SINGLE BAND POINT HOIST



TH SINGLE BAND

The P 250 TH steel band point hoist range is a true ASM classic. The hoists are characterized by three different equipment variants for different applications. The P 250 TH safely moves loads of up to 250 kg with a speed of 0,2 m/s or 1,2 m/s. This P 250 TH hoist uses a single steel band of 45 x 0,4 mm as a load bearing line. The perfectly balanced hoist is integrated in a yoke and therefore has a swivel function. This allows diagonal hoisting to all sides regardless of the attached load.

P250 TH POINT HOIST RANGE

P250 TH with max speed 0,2 m/s

- Equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox
- Smooth deceleration of the load of 250 kg even in the event of a power failure
- As brakes are not required, the hoist requires less maintenance

P250 TH with max speed 1,2 m/s

- Equipped as standard with a safety catch integrated in the gearbox and two silent theatre brakes
- Allows the highest available performance for scenic applications, operating in high speed while positioning exactly

P250 TH SERVO with max speed 1,2 m/s

- High-end version of the TH family, characterized by a high-performance synchronous motor (servo), which allows loads to be moved smoothly and quietly over a long period of time
- High duty cycle

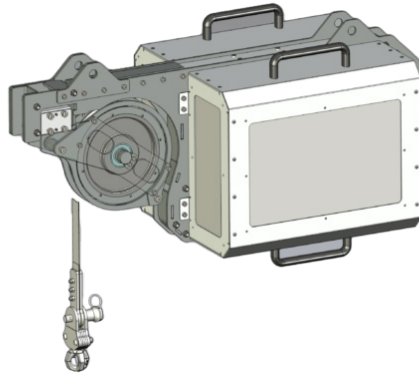
STANDARD FEATURES & BENEFITS

- Mount under an I-beam, or vertically on a truss, or within a truss, trolley mount above a grid, self-climbing hoist
- Durable load bearing line, steel band (45 x 0,4 mm)
- Silent and accurate operation
- Allows diagonal hoisting to all sides regardless of the attached load
- Load carrying device by means of tear proof tested eyelet
- Removable eyelet allows the steel band passing through most grids
- Optimal capacity to own weight ratio
- Due to its light weighted design, it is ideal for mobile applications
- The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control

P 250 TH			
Model	TH 0,2	TH 1,2	TH 1,2 SERVO
Max. (va- riable) speed	0,2 m/s	1,2 m/s	
Hoist capacity on steel band	250 kg		
Load bearing line	1 Steel band of 45 x 0,4 mm		
Max travel	20 m		
Safety system	Dynamic self-locking gear	Two brakes	
Motor type	Asynchronous		Synchro- nous
Motor performance	1,5 kW	3 kW	3,8 kW
Dimensions (HxWxD)	532 x 508 x 440 mm	635 x 612 x 494 mm	

STEEL BAND HOISTS

TRACKPOINT SINGLE BAND POINT HOIST



TRACKPOINT

The ASM TrackPoint is powerful, fast and remarkably flexible to suit various applicational needs. Its highly agile drop pulley, in combination with the steel band, is ideal for fast, tilting movements. The ASM TrackPoint safely moves loads of up to 250 kg with a speed of 1,2 m/s.

TRACKPOINT POINT HOIST RANGE

The TrackPoint with max speed 1,2 m/s is equipped with a safety catch integrated in the gearbox and two silent theatre brakes, setting a superior standard in the market. It comes with a single band of 30 x 0,6 mm as a load bearing line.

The hoist allows the highest available performance for scenic applications, which means operating in high speed while positioning exactly.

The high duty cycle makes the hoist especially suitable for performances in scenic applications.

The control possibilities allow a full synchronous group drive with ASM GENESIS SIL3 control or a third-party control.

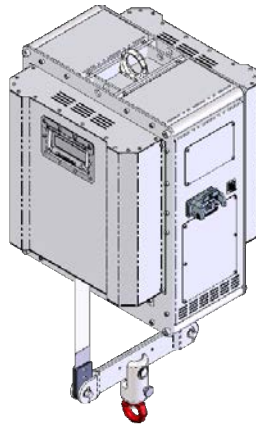
STANDARD FEATURES & BENEFITS

- Mount under an I-beam or on a track and above a grid
- Durable load bearing line, steel band (30 x 0,6 mm)
- Silent and accurate operation
- Gearbox with an integrated safety catch
- Two independent brakes
- Allows diagonal hoisting to all sides regardless of the attached load
- Load carrying device by means of tear proof tested eyelet
- Removable eyelet allows the steel band passing through most grids
- Optimal capacity to own weight ratio
- Due to its light weighted design, it is ideal for mobile applications

P 250 TP	
Model	TP
Max. (variable) speed	1,2 m/s
Hoist capacity on steel band	250 kg
Load bearing line	1 Steel band of 30 x 0,6 mm
Max travel	20 m
Safety system	Two brakes
Motor type	Asynchronous
Motor performance	3 kW
Dimensions (HxWxD)	497 x 459 x 990 mm

STEEL BAND HOISTS

JR DUAL BAND POINT HOIST



JR DUAL BAND

The P 250 JR/ P 500 JR steel band point hoist range is equipped with two steel bands, which ensure an even distribution of the load. This makes the hoist especially suitable for attaching line arrays or other loudspeaker systems. The basic models are equipped with a special ASM gearbox, which does not require brakes. The dynamically self-locking gear stops the load gently and reliably even in the event of a power failure. The gearbox is equipped with an integrated safety catch, which sets a superior safety standard in the market.

The P 250 JR safely moves loads of up to 250 kg with a speed of 0,2 m/s. This P 250 JR hoist uses two steel bands of 30 x 0,4 mm as load bearing lines. The P 500 JR safely moves loads of up to 500 kg with a speed of 0,1 m/s. This P 500 JR hoist uses two steel bands of 45 x 0,4 mm as load bearing lines.

STANDARD FEATURES & BENEFITS

- Mount under an I-beam, or vertically on a truss, or within a truss, self-climbing hoist
- Durable load bearing lines, two steel bands
- Silent and accurate operation
- The hoists feature a self-locking gearbox with an integrated safety catch, which sets a superior safety standard in the market
- Load carrying device by means of tear proof tested eyelet
- Optimal capacity to own weight ratio
- Rotation-proof operation of the load possible
- The hoist is especially suitable for attaching line arrays or other loudspeaker systems
- Use where smooth deceleration of the load is needed, even in the event of a power failure
- Control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control

P250 JR POINT HOIST RANGE

P250 JR with max speed 0,2 m/s

- Equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox
- Smooth deceleration of the load of 250 kg even in the event of a power failure
- As the hoist operates without brakes, less maintenance is required

P500 JR with max speed 0,1 m/s

- Equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox
- Smooth deceleration of the load of 500 kg even in the event of a power failure
- As the hoist operates without brakes, less maintenance is required

	P 250 JR	P 500 JR
Max. (variable) speed	0,2 m/s	0,1 m/s
Hoist capacity on steel band	250 kg	500 kg
Number of steel band	2	
Load bearing line	Steel bands 30 x 0,4 mm	Steel bands 45 x 0,4 mm
Max travel	12*	20*
Safety system	Dynamic self-locking gear	
Motor type	Asynchronous	
Motor performance	1,5 kW	
Dimensions (HxWxD)	537 x 395 x 360 mm	625 x 255 x 584 mm

STEEL BAND HOISTS

SPIDER SCENERY HOIST



SPIDER

ASM Spider hoists provide a unique modular design, incorporating the revolutionary steel band load bearing line. The Spider safely moves loads of up to 550 kg with a speed of 0,2 m/s or 1,2 m/s. The Spider hoist is supplied with four steel bands with four tiltable pulleys allowing diagonal lifting. It can be mounted above or below a grid and the system pulleys can be adjusted to suit any application. Pre-assembled components can be installed quickly and easily.

The durable steel bands impress with their smooth running, low-noise operation and repeat precision positioning even after the changing of loads and extended operation.

STANDARD FEATURES & BENEFITS

- Mount under an I-beam or compression profile minimizing imposed forces on building structure
- Fast and simple installation of pre-assembled components
- Durable load bearing lines, made out of steel bands
- Silent and accurate operation
- The hoist features a gearbox with an integrated safety catch, which sets a superior safety standard in the market
- Allows diagonal movement of loads (up to 10 ° of movement)

SPIDER RANGE

Spider JR with max speed 0,2 m/s

- Equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox
- Smooth deceleration of the load of 550 kg even in the event of a power failure
- As the hoist operates without brakes, less maintenance is required
- The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control

Spider TM with max speed 1,2 m/s

- Equipped as standard with a safety catch integrated in the gearbox and two silent theatre brakes
- Allows the highest available performance for scenic applications, operating in high speed while positioning precisely
- High duty cycle
- The control possibilities allow a full synchronous group drive with ASM GENESIS SIL3 control or a third-party control

	SPIDER JR		SPIDER TM	
Max. (variable) speed	0,2 m/s		1,2 m/s	
SWL	450 kg	350 kg	550 kg	450 kg
Hoist capacity on load bar(ELL)	400 kg	300 kg	500 kg	350 kg
Number of steel bands	4			
Load bearing line	Steel bands 30 x 0,4 mm			
Max. travel	12 m	22 m	12 m	22 m
Safety system	Dynamic self-locking gear		Two brakes	
Motor type	2 pol		4 pol	
Motor type performance	4 kW		8 kW (2 x 4 kW)	
Gearbox	TDA 4,5		TW 08	

CHAIN HOISTS

OTTO CHAIN HOIST



OTTO

The OttO family is suitable for a wide range of applications such as arenas, studios, theatres, multi-purpose halls, on stages and for any other professional application with specific safety requirements. The family is offered in various versions for different lifting speeds and loads.

Depending on model, the hoists have a standard lifting capacity of up to 1250 kg with a fixed or variable speed up to 18 m/min.

STANDARD FEATURES & BENEFITS

- Silent and smooth running
- Compact dimensions
- Optimal capacity to own weight ratio
- The special X-Drive chain wheel ensures smooth running, virtually eliminating the bounce associated with conventional square chain wheel
- Features four easily accessible handles for simple mounting
- Can easily be converted from lifting to self-climbing operation
- SIL3 ready, and can be coupled with a SIL3 control, such as ASM GENESIS SIL3 control
- Designed in strict conformity with the DGUV V17/18 and EN 17206 regulations, suitable for performer flying of people



CHAIN HOISTS

OTTO CHAIN HOIST

THE Otto RANGE

Otto 500-4 models & Otto 1000-4 models with max speed 4 m/min

- Equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox
- Smooth deceleration of the load even in the event of a power failure, due to the dynamic self-locking gear. As the hoist operates without brakes, less maintenance is required
- The Otto 500 hoist is delivered with an integrated PowerPack
- The Otto hoist is also available on request with lifting capacity of 250 kg and speed 12 m/min
- The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control

Version OTTO 250-12 models with speed 12 m/min available on request

Otto 1000-18 models with max speed 18 m/min & Otto 1250-15 models with max speed 15 m/min

- Equipped as standard with a safety catch integrated in the gearbox and two silent theatre brakes
- Allows the highest available performance for scenic applications, which allows operating in high speed while positioning precisely
- High duty cycle makes the hoists especially suitable for performances in scenic applications
- The high-end version of the Otto family is characterized by a high-performance synchronous motor (servo), which allows loads to be moved smoothly and quietly over a very long time period
- The control possibilities allow a full synchronous group drive with ASM GENESIS SIL3 control or a third-party control

Otto CHAIN HOISTS					
Model	Otto 500 -4	Otto 1000 -4	Otto 1000 -18	Otto 1000 -18-Servo	Otto 1250 -15
Max (variable) speed	4 m/min		18 m/min		15 m/min
Hoist capacity on chain	500 kg	1000 kg			1250 kg
Number of chain (standard)	1				
Load bearing line	Chain 7 x 21 mm	Chain 10 x 28 mm			
Max travel	40 m*				
Safety system	Self-locking gear		Two brakes		
Motor performance	0,75 kW	1,5 kW	3 kW	3,8 kW	3 kW
Installation method	Hanging or self-climbing**				
Dimensions (HxWxD)	357 x 430 x 433 mm	288 x 292 x 497 mm			331 x 445 x 487 mm

* longer travel possible on request

**in self-climbing mode the carrying capacity equals the hoist capacity minus own weight incl. chain

CHAIN HOISTS

UNO CHAIN HOIST



UNO

The UNO family is suitable for a wide range of applications such as arenas, studios, theatres, multi-purpose halls, on stages and for any other professional application with specific safety requirements. The family is offered in various versions for different lifting speeds and loads.

Depending on model, each hoist has a standard lifting capacity of up to 2000 kg with a fixed or variable speed up to 36 m/min. Travel distance standard up to 65 meters. Longer travel distance possible on request.

STANDARD FEATURES & BENEFITS

- Silent and smooth running
- Compact dimensions
- Optimal capacity to own weight ratio
- The special chain wheel ensures smooth running, virtually eliminating the bounce associated with conventional square chain wheel
- SIL3 ready, and can be coupled with a SIL3 control, such as ASM GENESIS SIL3 control
- Designed in strict conformity with the DGUV V17/18 and EN 17206 regulations, suitable for performer flying of people
- Available in double-reeved operation



CHAIN HOISTS

UNO CHAIN HOIST

THE UNO RANGE

UNO 500-8 models & UNO 1000-8 models with max speed 8 m/min

- Equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox
- Smooth deceleration of the load even in the event of a power failure. As the hoist operates without brakes, less maintenance is required
- The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control

UNO 500-36 models with max speed 36m/min

- Equipped as standard with a safety catch integrated in the gearbox and two silent theatre brakes
- Features a robust housing made of synthetic materials
- Allows the highest available performance for scenic applications, which means operating in high speed while positioning precisely
- The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control

UNO 2000-4 models with max speed 4m/min

- Equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox
- Smooth deceleration of the load of 2000 kg even in the event of a power failure due to the self-locking gear. As brakes are not required, the hoist requires less maintenance
- The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control
- The hoist features a robust housing made of steel
- The high duty cycle makes the hoists especially suitable for performances in scenic applications

UNO CHAIN HOISTS					
Model*	UNO 500 -8	UNO 500 -36	UNO 500 -36-Servo	UNO 1000 -8-SIL3	UNO 2000 -4
Max (variable) speed	8 m/min	36 m/min		8 m/min	4 m/min
Hoist capacity on chain	500 kg			1000 kg	2000 kg
Number of chain (standard)	1				
Load bearing line	Chain 7 x 21 mm			Chain 10 x 28 RTD mm	Chain 13 x 36 mm
Max travel	Up to 65 m				
Safety system	Dynamic self- locking gear	Two brakes		Dynamic self-locking gear	
Motor performance	1,5 kW	3 kW	3,8 kW	3 kW	4 kW
Installation method	Hanging or self-climbing**				Hanging
Double-reeved operation	Possible				
Dimensions (HxWxD)	288 x 292 x 497 mm			288 x 292 x 497 mm	640x 420x 585 mm

* more on request

**in self-climbing mode the carrying capacity equals the hoist capacity minus own weight incl. chain

As ASM engineered each hoist to their fullest capacity, each model has their specific composition which cannot be altered. Special models can be made on request

MULTIPURPOSE HOISTS

RULO BAND LINE SHAFT HOIST



RULO BAND

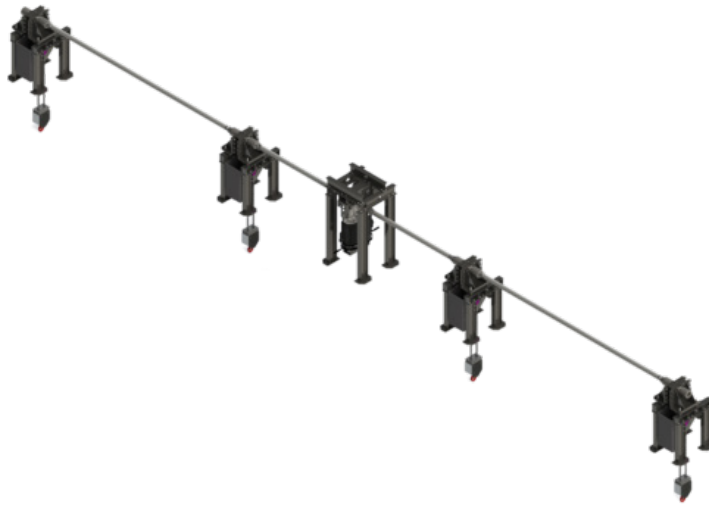
The RULO Band incorporates the revolutionary steel band load bearing line for silent and precise lifting. Due to its compact single drive and multiple drops design the hoist is a perfect solution to lift any equipment where speed, noise level, and repeated exact positioning is necessary in limited access areas.

STANDARD FEATURES & BENEFITS

- Silent and precise operation
- The hoist features a gearbox with safety catch which sets a superior safety standard in the market
- Single drive and multiple drops
- Perfect for fixed installations
- Ideal where no upper space or fly tower is available

MULTIPURPOSE HOISTS

RULO CHAIN LINE SHAFT HOIST



RULO CHAIN

The RULO Chain provides a compact and cost-effective drive for lifting heavy loads. A single powerful drive is used to power multiple chain drops via shafts.

RULO is the ASM line shaft hoist designed to lift equipment with only one powerful drive over several suspension drop units.

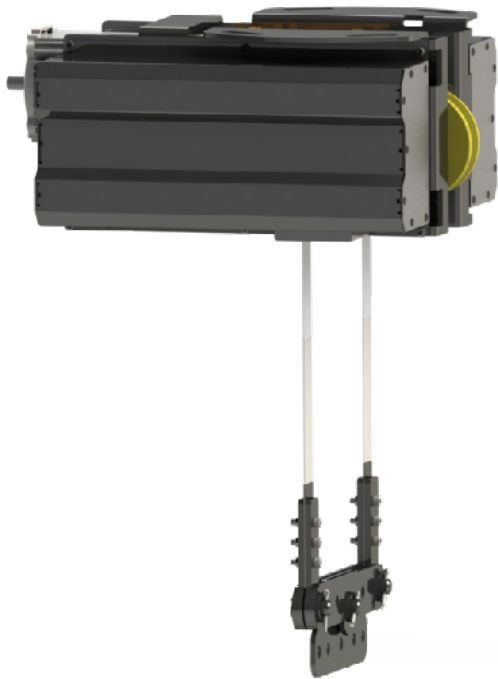
STANDARD FEATURES & BENEFITS

- Silent and precise operation
- Designed for moving large and heavy loads
- High safety standards for building structures which reached their maximum static capacity
- Slow speed possible with dynamic self-locking gearbox for gentle braking, even in the event of a power failure
- Higher speed with independent theatre brakes
- Single drive and multiple drops
- Perfect for fixed installations
- Adaptable for individual applications



MULTIPURPOSE HOISTS

CLUSTER HOIST BAND



CLUSTER BAND

The Cluster Hoist Band is equipped with a double load bearing line made of 30 x 0,4 mm steel band.

In total it lifts loads up to 200 kg over a maximum travel distance of 12 m at a speed of up to 6 m/min. The double load bearing line ensures that the attached line arrays cannot tilt.

Thanks to flexible mounting options, it is suitable for truss installation, mounting on existing steel structures or to a ceiling.

Due to the dynamic self-locking gearbox, the dynamic forces even in the event of a power failure are considerably low and the load is brought to a safe stop gently and reliably in all scenarios.

The Cluster Hoist Band with speed 6 m/min is equipped as standard with a dynamic self-locking gear and a safety catch integrated in the dynamic irreversible worm gear. As the hoist operates without brakes, less maintenance is required.

The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control.

STANDARD FEATURES & BENEFITS

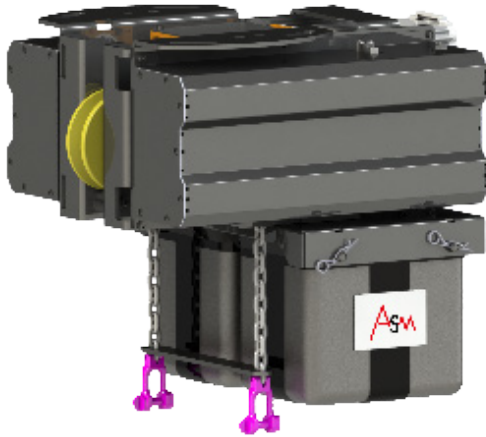
- Low mounting height
- Easily installed in little storage space (no space loss)
- Two load bearing lines stable travel without twisting of suspended load
- The hoist features a gearbox with an integrated safety catch, which sets a superior safety standard in the market
- Compact and efficient for all types of venues
- Including load measurement

CLUSTER BAND

Regulation	DGUV V17/18, EN 17206
Safety Standard	Up to SIL3
Max. (variable) speed	6 m/min
Hoist capacity on steel band	200 kg
Number of steel bands	2
Load bearing line	30 x 0,4 mm
Max travel	12 m
Safety system	Two brakes
Motor performance	0,55 kW
Dimensions (HxWxD)	205 x 366,8 x 479,5 mm

MULTIPURPOSE HOISTS

CLUSTER HOIST CHAIN



CLUSTER CHAIN

The Cluster Hoist Chain has a double load bearing line made of 5 x 15 mm chain each. Available in two travel lengths, 12 m or 24 m.

In total it lifts loads up to 500 kg over a lifting distance of up to 24 m at a speed of up to 3 m/min. The double load bearing line ensures that the attached line arrays cannot tilt. Thanks to flexible mounting options, it can be attached to a truss, existing steel support structures or to a ceiling.

The resulting dynamic forces are also considerably low in the event of a power failure due to the dynamical self-locking gear, as the load is brought to a stop gently and reliably in any case.

The Cluster Hoist Chain with speed 3 m/min is equipped as standard with a dynamic self-locking gear and a safety catch integrated in the gearbox. It ensures a smooth deceleration of the load of 500 kg even in the event of a power failure. As the hoist operates without brakes, less maintenance is required.

The control possibilities reach from a 24 V, third party control to a full synchronous ASM GENESIS SIL3 control.

STANDARD FEATURES & BENEFITS

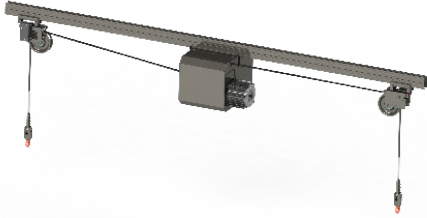
- Low mounting height
- Easily installed in little storage space (no space loss)
- Two load bearing lines stable travel without twisting of suspended load
- The hoist features a gearbox with an integrated safety catch, which sets a superior safety standard in the market
- Compact and efficient for all types of venues
- Including load measurement
- Supplied with two separate chain bags ensuring that the chains do not get tangled
- 12m version equipped with two compact chain bags allowing installation in narrow spaces
- Including built-in pulley to guide cables

CLUSTER CHAIN	
Regulation	DGUV V17/18, EN 17206
Safety Standard	Up to SIL3
Max. (variable) speed	3 m/min
Hoist capacity on steel band	500 kg
Number of chains	2
Load bearing line	5 x 15 mm
Max travel	Up to 24 m
Safety system	Dynamic self-locking gear
Motor performance	0,55 kW
Dimensions (HxWxD)	246 x 459,5 x 370 mm*

* Without chains, chain bags nor PowerPack

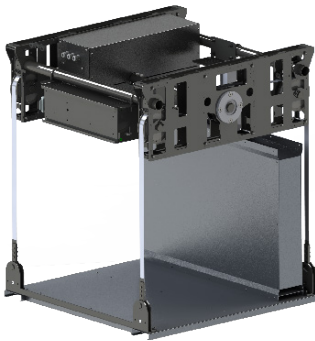
MULTIPURPOSE HOISTS

LMH



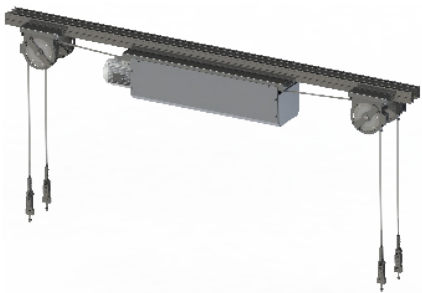
The LMH range is a multifunctional system for creating light carriers and/or media gondolas. The individual LMH hoist consist of two drops but can be extended with two or four outfeeds. Depending on the number of drops, the LMH hoist has a load capacity ranging from 100 to 500 kg. Its flexibility makes it a perfect solution to suit individual customer requirements.

BEAMER LIFT



The Beamer Lift is a range built out from the ASM LMH hoist for the lifting of projectors. With a lifting capacity of up to 500 kg, the standard Beamer Lift hoist consist of four drops of steel band, and can be surface mounted or recessed in the ceiling.

LT HOIST



The ASM LT range is a multifunctional system for constructing a stable and precise lifting device. The standard LT hoist consist of two drops with two steel bands each, totalling four feed outs. Every fixation point of the hoist is connected to two steelbands (directly or with a connection bar) which ensures a stable hanging of the hoist. The LT hoist has a load capacity of up to 1000 kg and 2000 kg when double reeved.

The LT hoist can be installed as a lifting device or as a self-climber.

SELF-CLIMBING TRUSS

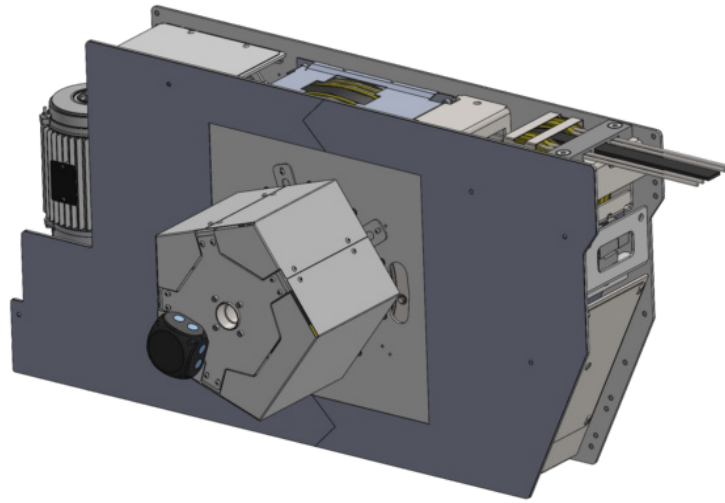


The Self-Climbing Truss (SCT) combines the technology of a four steel-band LT hoist within or on a truss, ideal for historical buildings and all other venues where space-efficient and self-contained technology is required.

A self-contained hoist system allows large loads to be moved over long spans, using proven ASM steel band technology. The SCT hoist has a standard load capacity (including own weight) up to 1000 kg and 2000 kg when double reeved. A perfect solution when you can not build in the hoist. The integral mounted gearbox and truss-integrated motor lifts both the load and its own weight with ease. Newly developed intelligent suspension elements prevent the truss tilting with unbalanced loads.

MULTIPURPOSE HOISTS

ARCHIPOINT ARCHITECTURAL HOIST



ARCHIPOINT

The ArchiPoint combines HCWA's best technology and flexibility into a range of single drop point hoists. The point hoists are designed for wherever loads need to be lifted or moved safely above people, not only on stages but also in all public places such as shopping malls, airports and places of worship. Designed in strict conformity with the DGUV V17/18 and EN 17206 regulations, the ArchiPoints have been developed to allow installation conform to most of all local and international safety regulation.

The **ARCHIPOINT** rope hoists have a standard lifting capacity of 500 kg with a speed of up to 0,2 m/s.

The **ARCHIPOINT Elec** offers the unique solution of a non-twisting single drop point hoist with electrical power.

STANDARD FEATURES & BENEFITS

- Zero fleet hoist: No interfering rope angles
- Redundant drum drive with two individual chains
- Special chain tensioning system for quiet operation
- The hoist features a gearbox with a safety catch, which sets a superior safety standard in the market
- The steel frame inside the cast polyamide drum prevents drum collapse in event of a fire
- Extremely silent and smooth-running of ropes due to cast polyamide drum is ensured (long life expectancy)



Example of drop pulley with dead weight and electrical connector

	ARCHIPOINT 500	ARCHIPOINT 500 ELEC
Max. (variable) speed	0,2 m/s	
Hoist capacity on steel band	500 kg	
Number of steel band	2	
Load bearing line	Steel bands 30 x 0,4 mm	Steel bands 45 x 0,4 mm
Max travel	12*	20*
Safety system	Dynamic self-locking gear	
Motor type	Asynchronous	
Motor performance	4 kW	

PERSON STAGE LIFT



PERSON STAGE LIFT

The ASM Person Stage Lift (PSL) enables smooth vertical movement of people. Designed for mobile use, it can be installed from above or below the stage, adapting seamlessly to different setups.

When installed from above, the lift is free-hanging on the stage floor, fitting securely into an opening with a stabilizing frame. It can be quickly positioned or removed using standard rigging equipment such as chain hoists, scenery bars or point hoists.

The platform, suspended by steel bands and pulleys, offers quiet and precise lifting—thanks to ASM's pioneering steel band technology. Inside, a redundant drive system integrates two motors, two gearboxes, two independent theater brakes, two encoders and a load cell, for maximum safety and reliability. The PSL is equipped with four steel bands and guided-pulleys, to ensure smooth and controlled lifting of the platform.

The PSL features a modular enclosure with three easily mountable safety walls and a front door. The walls hang securely from the frame, eliminating the need for additional mounting. This modular design allows for quick assembly, easy storage, and versatile usage options.

The Person Stage Lift is compatible with the ASM GENESIS control system or third-party controls.

STANDARD FEATURES & BENEFITS

- Durable load bearing lines, made out of 4 steel bands
- Silent and accurate operation
- SIL3 ready, and can be coupled with a SIL3 control, such as ASM GENESIS SIL3 control
- Redundant drive with two gearboxes and two motors, each with their brake and encoder

PSL	
Regulation	DGUV V17/18, EN 17206
Safety Standard	Up to SIL3
Max. (variable) speed	1,2 m/s
Hoist capacity on steel band	250 kg/m ² dynamic 500 kg/m ² static
Number of steel band	4
Load bearing line	30 x 0,5 mm
Max travel of platform	5 m
Safety system	Two brakes
Motor performance	8 kW (2 x 4 kW)
Dimensions	On request
Max platform dimensions	1,5 m ²



GENESIS CONTROL

GENESIS CONTROL SYSTEM

INTUITIVE AND POWERFUL CONTROL SYSTEM

ASM developed the GENESIS control system in 2003, as there has been a growing demand from the entertainment, event and fixed installation markets for a professional full synchronisation system suitable for small to large applications. The GENESIS system is designed as a decentralised SIL3 control system for upper and lower theatre machinery, which allows an easy-to-use experience for the operator. GENESIS system is offering a control solution in more than 500 venues worldwide, well-known for its intuitive user interface and excellent reliability combined with a wide variety of functions and applications.

UNIQUE DECENTRALISED STRUCTURE

GENESIS uses only one controller: the LC8 (Lifting Control) which is at the heart of the GENESIS system. Each LC8 is equipped with a dual CPU and its own memory and is completely redundant. All LC8s are backed up in the other LC8s in the GENESIS system, allowing a complete back up system without using a server. The LC8 has a control interface and each controller allows to directly operate the whole system. The outstanding decentralised design allows to easily replace defective parts without long downtimes.

MODULABLE AND SCALABLE SYSTEM PERFECT FOR ALL KINDS OF VENUES

Up to 16 controllers can be linked together forming a system of up to 128 axes. The connection is established by two parallel, independently working CAN busses. One of them is reserved for redundant safety functions. The main control desk is also connected to this bus system. The used protocol developed by ASM is based on CAN 2.0B, and is named CanCon. One LC8 is designed to connect up to 8 PowerPacks and has a control interface to be able to operate these 8 hoists. Any system using more than 8 hoists can be established by connecting LC8 (via shielded CAT.5 S-FTP or higher cables and two neutrik RJ 45 connectors up to 16 LC units), each supporting up to eight hoists. This results in the system supporting up to 128 axes. These customisation options ensure operating systems in all type and size of venues for all budgets in SIL3.

EASY COMPLETE SET UP AND COMMISSIONING DIRECTLY FROM THE DESK

Each axis within the system is equipped with an ASM TwinCore Axis Card. This card manages the drive and the movement itself. All safety relevant sensors and actors are connected to the axis card and evaluated and controlled directly at the drive. The LC8 controller is also connected by a CAN bus. All relevant information concerning the hoist like calibration data and movement limits are stored on an ID chip located in the hoist, so that a defective axis card or PowerPack can easily be replaced. All calibration and setup can be carried out via the console, no special equipment is needed. The commissioning on site can be completed within a short period of time.

ASM OFFERS A WIDE RANGE OF CONTROL DESKS

The Control Desk CDx (CD1, CD2, CD2 XL) and the handheld remote-control RC128 are designed to offer a more convenient way of operating and controlling the system via the intuitive interface. Available in multiple version the CDx provides a solution for different needs.

To ensure operation on stage level and anywhere, from where you want to control the system, the Plugboxes and Master Plugbox extend the wired operation to wherever you need them to be.

SAFETY AND INNOVATION

The GENESIS software is undergoing constant developments and allows operating almost all needed functions of a professional rigging system. The GENESIS system is SIL3 approved by TÜV since 2010.

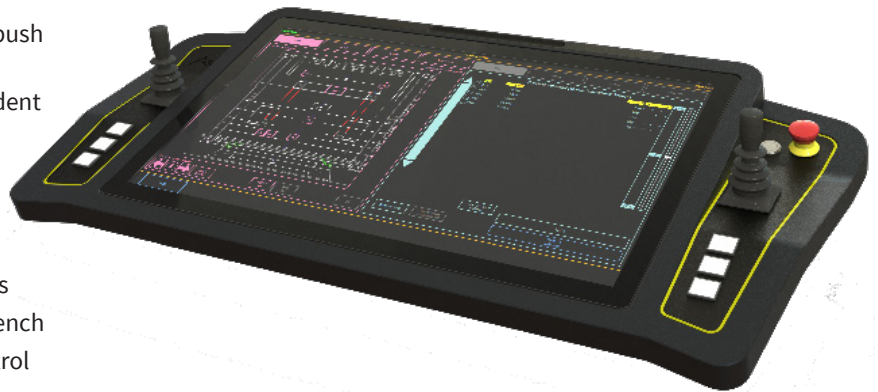
GENESIS CONTROL

CONTROL DESK CD2 XL SINGLE & DOUBLE SCREEN

The CD2 XL represents the flagship of the GENESIS Master Control Desks. Equipped with an extra wide 24" touch screen and additional freely programmable hardware buttons it raises your GENESIS experience to the next level. With its sleek and elegant design the CD2 XL impresses with form and function. Built upon the known GENESIS software, the CD2 XL improves your operation. The freely programmable buttons allow you to make it your system with quick access options and pre-sets. The CD2 XL connects to the control system and is powered via plugbox. All the new functions are based on the well-known and easy to learn GENESIS software.

STANDARD FEATURES & BENEFITS

- SIL3 certified
- Equipped with 24" touch screen, 6 intelligent LCD push buttons
- Split-screen control & two joysticks allow independent control actions
- Built in E-Stop button in each control
- Easy complete set up
- commissioning directly from desk
- Up to 16 LC8 control units or desks, up to 128 hoists
- Languages : English, German, Spanish, Russian, French
- Intuitive user interface and dynamic real-time control
- Unlimited amount of profiles, access with username and password, customisable user hierarchy
- Create, duplicate, modify, save, delete scenes and sequences
- Individual hoist or group drive
- Automatised self-tests and detailed log
- Internal data backup on connected controls
- Export all data in PDF
- Individual stage layout : manual select on the touch screen, no external keyboard needed
- Cache memory : all sequence and scene groups can be stored and recalled
- 2 USB Ports for flash drive keyboard or mouse
- HDMI to connect 2nd screen (single screen version)
- Ethernet connector
- Supplied with dustcover and flightcase



OPTIONS

- Foot switch for dead man function
- Stand

The CD2 XL DOUBLE SCREEN features all the benefits of the CD2 XL SINGLE SCREEN, and is equipped with the 24" one touch screen and an additional built in 24" display screen offering a system overview in a whole new dimension.

The double screen allows a visualisation of all hoist information (name, position, load, software limit switches, target within scene or time destination drive) and bar graph. The second screen can be closed, ensuring protection of both screens.

GENESIS CONTROL

CONTROL DESK CD2

The CD2 Control Desk manages all hoists in the system. Individual machines and groups can be selected on the touch screen to program motion sequences. Various group movements such as asynchronous and synchronous movements, time destination drives are possible. Two joysticks are used to execute the movements. To operate the system from your personal preference, CD2 Master Control Desks connects to a plugbox which can be set up at a place of your choice.

STANDARD FEATURES & BENEFITS

- SIL3 certified
- Equipped with 13" touch screen, 6 intelligent LCD push buttons
- Split-screen control & two joysticks allow to independent control actions
- Built in E-Stop button in each control
- Easy complete set up and commissioning directly from desk
- Up to 16 LC8 control units or desks, up to 128 hoists
- Languages: English, French, German, Spanish , Russian
- Intuitive user interface and dynamic real-time control
- Unlimited amount of profiles, access with username and password, customisable user hierarchy
- Create, duplicate, modify, save, delete scenes and sequences
- Independant hoist or group drive
- Automatised self-tests and detailed log
- Internal data backup on connected controls
- Export all data in PDF
- Individual stage layout: manual select on the touch screen, no external keyboard needed
- 2 USB Ports for flash drive keyboard or mouse
- USB Ethernet connector external
- Supplied with dustcover and flightcase



OPTIONS

- Harness
- Available in wireless version



GENESIS CONTROL

LC8 LIFT CONTROL

The Lift Control is the heart of the GENESIS system: supporting up to eight hoists, the LC8 is the main control unit. Due to the modular design, networks can be expanded just by connecting another LC8, up to 16 LC8s. Booting up in seconds and equipped with a touchscreen the LC8 allows you to begin moving your hoists faster than any other control system.

STANDARD FEATURES & BENEFITS

- SIL3 certified by TÜV SÜD
- Languages: Dutch, English, German, Spanish
- Can connect up to 16 LC8s
- Up to 12 profiles with username and password
- Hoist identification numbered 1-999
- Designed to connect up to 8 PowerPacks per LC, with a control interface to be able to operate the 8 hoists
- Detailed log: system messages, errors and diagnostics



RC128 HANDHELD CONTROL

The RC128 of the GENESIS system allows complete control of all hoists by holding it easily in the operators hand. As a maintenance remote controller to a GENESIS system, the RC128 offers a lightweight and compact solution to operate the GENESIS system anywhere in the venue.

The RC128 can be added to a GENESIS system or just connected to a single hoist. Connected to a single hoist, the RC128 makes it possible for the operator to move at any given time while commands are given.



POWERPACK

Our PowerPack solution allows for the control to be closer to the hoist coming with all its advantages. Each PowerPack contains the intelligent control of a connected hoist. Each PowerPack consists of a Axis Card which builds the base of the intelligence control of each connected hoist. We offer a matching hoist related PowerPack for the whole range. All power electronics inside the PowerPack comply with the current EMC standards.

ASM PowerPacks are interchangeable: If one hoist is down due to an electronics failure, another PowerPack can take its place, while all the data is stored is on the ID-chip integrated in the hoist. Provided that the specifications of the hoists are identical.



AXISCARD

The TwinCore Axiscard is armed with two redundant CPUs allowing all evaluation and controlling, managing the drive and movement itself. All ASM PowerPacks are equipped with such an axiscard but it can also be supplied as a separate unit to be able to control third-party hoists.

Each axis within the system is equipped with an ASM TwinCore Axis Card and ID chip. The card manages the drive and the movement itself. All safety relevant sensors and actors are connected to the axis card and evaluated and controlled directly at the drive. The LC8 controller is also connected by a CAN bus. All relevant information concerning the hoist like calibration data and movement limits are stored on an ID chip located in the machine, so that a defective axis card can easily be replaced. All calibration and setup can be carried out via the console, no special equipment is needed. The commissioning on site can be completed within a short period of time.

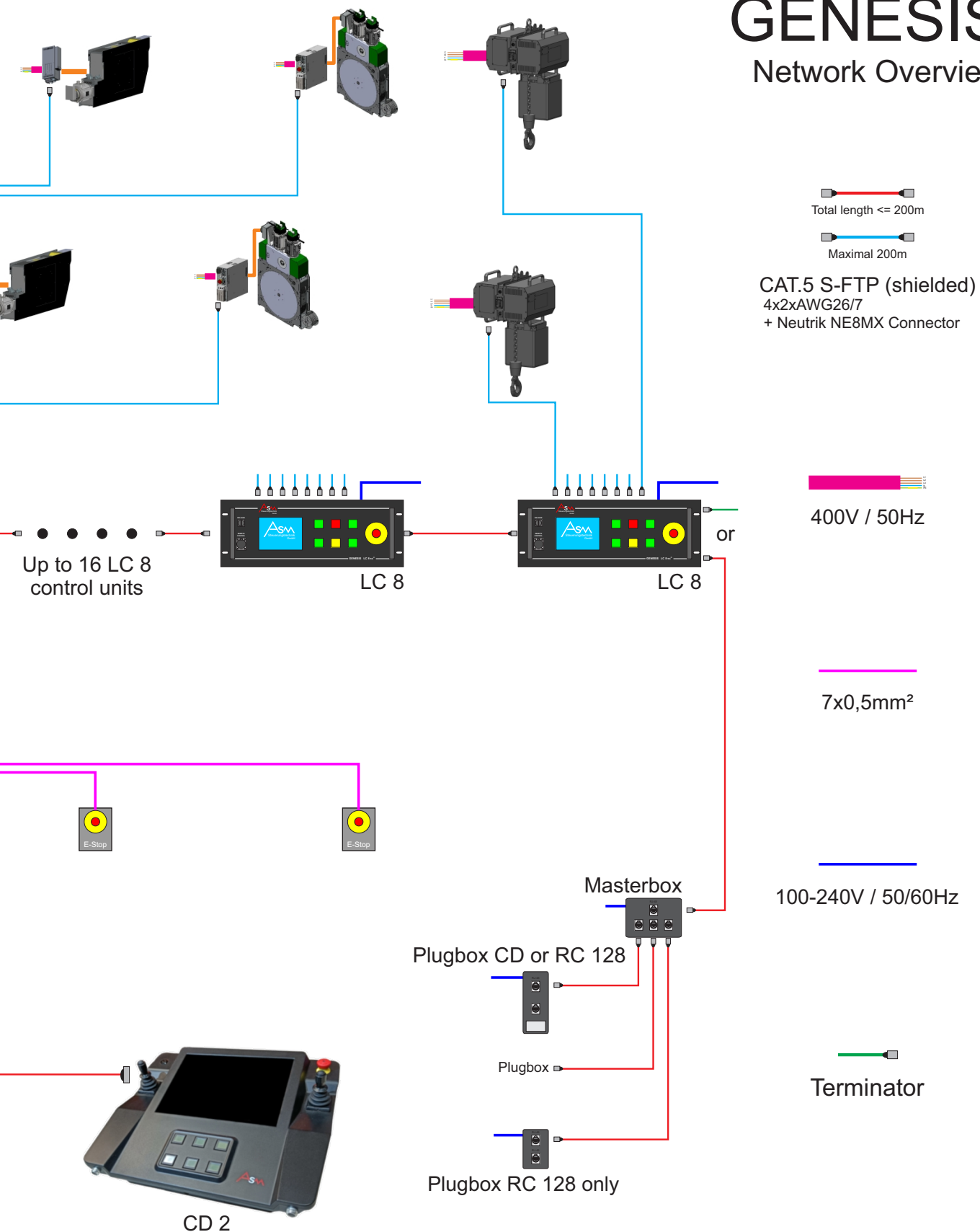
GENESIS CONTROL SYSTEM OVERVIEW



GENESIS CONTROL

GENESIS CONTROL SYSTEM OVERVIEW

GENESIS Network Overview





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