

# DEMARKO. SPECIAL TRAILERS









# DEMARKO SPECIAL TRAILERS

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DEMARKO Special Trailers is a leading producer of trailers and semitrailers for the transport of oversize cargo.

Having cutting-edge technology and good technical knowledge, we have been producing since 1989 special-purpose vehicles, both typical and untypical, produced for individual orders of our customers.

Our customers give us purpose, way and area of vehicle use and we establish the time of operation start.

Our aim is to optimally fulfil the requirements of the transport industry, design innovative constructions and implement them reliably with our partner companies.

We operate worldwide. We prepare and implement solutions appropriate for each country, also in respect of after sales service.

New DEMARKO Special Trailers represent safe value on the market more than ever before.

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**MATEUSZ KOMAREC**  
Chairman of the Board

# ADVISORY SERVICE AND DESIGN

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## ADVISORY SERVICE

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### Reliable advice

Among our products you will find over five hundred different semi-trailers. How to make the right choice?

Our best specialists and advisors, based on the years of experience, will not only help you to make a good choice but will also offer convenient packages, additional options and necessary accessories so that a semitrailer is optimally configured.

They will also prepare convenient forms of payment and answer all questions regarding our special offer. We also provide assistance in selling used vehicles.

## DESIGN

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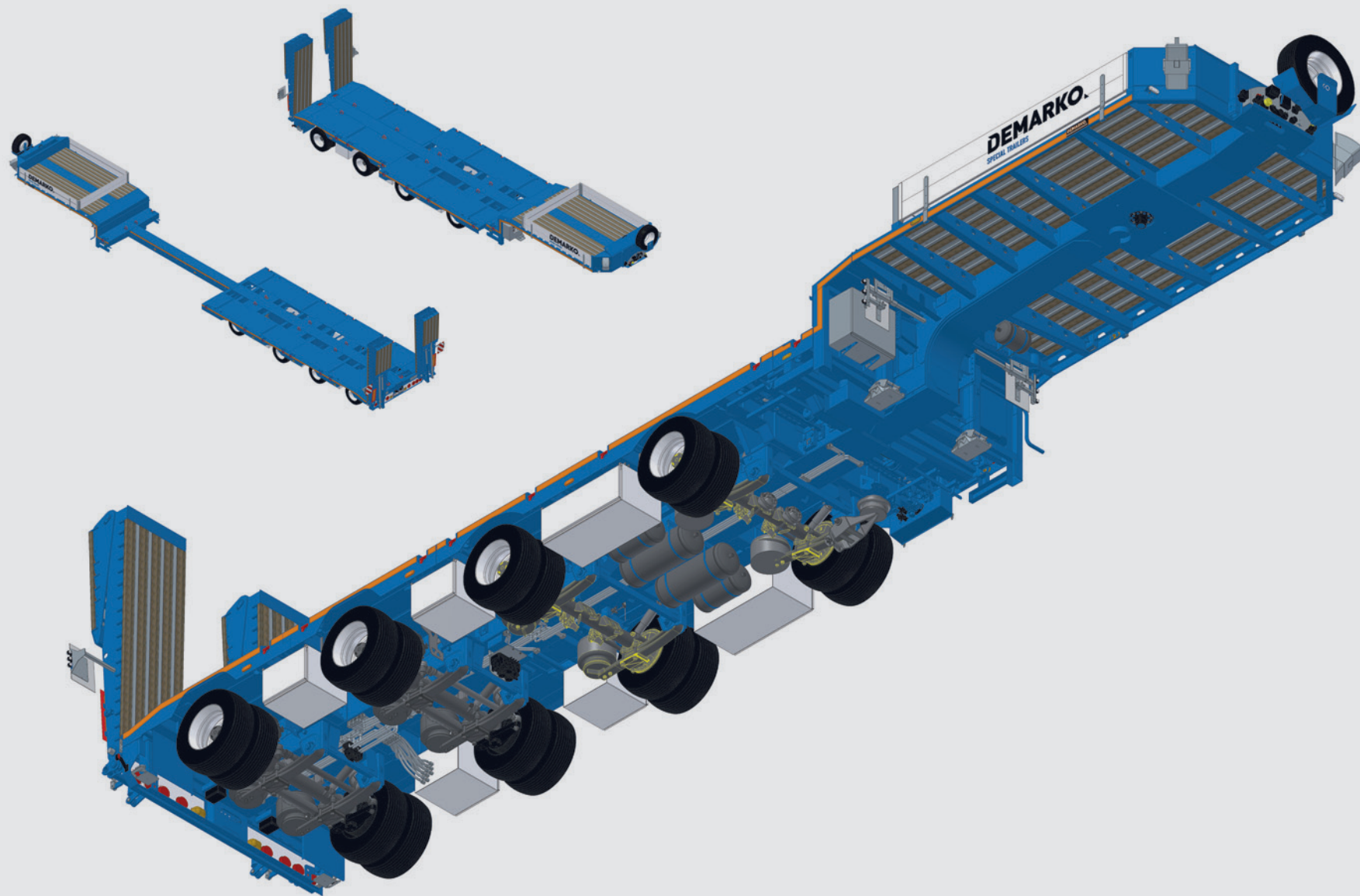
### From design to product

Designing is teamwork. Designers cooperate with their colleagues from the sales and production departments and together they create suitable procedures. A semitrailer tailored to a customer's needs is created in a few steps.

Computer technology has revolutionised and redefined designing possibilities. Using appropriate programs we can create a virtual semitrailer model and first of all, simulate load capacity, dimensions and proportions in order to check their correctness and consistency.

This allows us to create new models precisely and faster than ever before. These models already at this stage are consistent with the construction concept and intended dimensions and requirements.





# PRODUCTION

## HEAT, FORMING AND MECHANICAL TREATMENT

Treatment of steel with high strength parameters using cutting-edge CNC controlled machines, providing high precision and repeatability according to standard PN-EN 30123 KL. I

## WELDING

We are one of the group I plants certified with welding standard PN-M-69009. Our metal-workers and welders have the highest possible certificates, which translate into incalculable advantages in terms of the quality and safety standards of your special-purpose semitrailers.

## SURFACE TREATMENT

Our accurate surface treatment is of the highest standard, not only regarding anti-corrosion protection (grit blasting and metallization) but also finishing with the latest painting system (primer and two component coating).

## FINAL ASSEMBLY AND QUALITY TESTS

Our assembly teams, consisting of electromechanical, pneumatic and hydraulic engineers, equip the semitrailer in all ordered units, which are checked point by point and tested before releasing the product to the final customer.







# SERVICE AND TRAINING

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## SERVICE

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### In good hands

Choosing DEMARKO Special Trailers you choose safety and quality. Modern, high strength materials, complex structure as well as passive and active safety systems integrated in the pneumatic and hydraulic network require good knowledge of methods and a well-equipped shop in case of repair.

Regular service means most of all:

- safety
- reliability
- retaining the high value of your semitrailers

As the producer we have the best knowledge of your semitrailers and have the proper special tools.

Our professional, trained service staff can offer the widest range of renovation and control services to ensure the efficiency of special-purpose vehicles. It is a guarantee of what is best for your semi-trailers.

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## TRAINING

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### Comprehensive knowledge

We realise that high quality work requires well trained shop staff, with good knowledge of automotive technology in oversize cargo transport. Therefore, it is crucial to us that our employees are always up-to-date with technologies and regulations. Proper diagnostics and maintenance require proper testing equipment and the latest shop documentation. In numerous trainings we provide general and detailed knowledge, as a part of the education and professional development of our employees.





# CUSTOM TAILORED TRAILERS

## SOLUTIONS TAILORED TO YOUR NEEDS

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In DEMARKO we offer tailored solutions. This means that together with selected partners we fulfil individual orders regarding the configuration, operation and technology of special-purpose semitrailers and selection of non-standard equipment.

From small modifications to a complex production against a special order. For over 15 years we have provided one source solutions for the transport industry against the special order of our customers. We comprehensively realise all orders. We provide innovative and highly efficient production cooperation with internal and external partners.

### Fulfilling all requirements

Beginning the designing process we focus most of all on the requirements of our customers. We consider what individual solution would allow our customer to achieve significant competitive advantage.

We work together on an individual solution, based on our extensive technical knowledge in the design and construction of special-purpose semitrailers. Economical and cost effective. For each customer, each industry and each country.

### Good technical knowledge and excellent processes

The starting point is the existing range of products. If it does not contain a suitable solution, we create an individual product module. How do we work? First, the modification is prepared by our

design team. Next, a perfect prototype is created which then undergoes careful tests, calculations and simulations. Finally, we make the conclusive tests and the design team approves the design. Each step is recorded and fulfilled with care and precision. Therefore, we can guarantee both fulfilment of requirements and safety.

### Many years of experience

We have produced over 600 special-purpose semitrailers in accordance with individual orders of our customers. The scope of modifications extends from shifting the securing of a cargo to complex assembly of several additional hydraulically controlled axles. Everything can be done! Our customers convince us about that, presenting their requirements and wishes. For us it is clear.



## 1. CONFIGURATION

Purpose, way and area where the semitrailer will be used.  
Professional advice and consulting, tailoring the semitrailer to customer's needs, choice of additional options and accessories.

## 2. DESIGN WORK

From the first drawing to a ready model.  
By confronting competitive designs, the team creates a new special semitrailer model.

## 3. IMPLEMENTATION

Production and quality tests.  
Perfectly suited product with service guarantee.

# ST

## LOW LOADING SEMITRAILERS

2-AXLE	3-AXLE	3-AXLE LIGHT	4-AXLE
5-AXLE	6-AXLE	7-AXLE	8-AXLE
8 (2+6)-AXLE		10 (2+8)-AXLE	





# ST SERIES

Low loading semitrailers ST series are offered in different options from 2 to 10 axles, width 2.55m, 2.75m or 3.0m.

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Depending on the requirements, the semitrailers are produced in different configurations: multiple lengthening, widening with any choice of axles: fixed, steering or hydraulically controlled steering, operated by a remote control, with maximum load up to 16 tonnes. The most popular semitrailers are equipped with 17.5 inch twin wheels. As an option: bottom loading floor 800 mm above the ground in driving position, low profile 205/65 tyres provide perfect

parameters for special-purpose semitrailers for oversize cargo transport. If 800 mm is still too much, it is possible to make special cavities for wheels or for a bucket of a transported machine.

The top floor is also used for cargo transport. It can be used for the transport of additional semitrailer equipment, such as stripes and chains for securing a cargo and tools. It can also be used for

the transport of smaller machines, loaded with a crane or optionally, entering thanks to a special ramp.

We offer wide adaptation possibilities thanks to the different types and lengths of steel or aluminium ramps, steel construction supports or many lashings for securing cargo, providing easier, safer and more optimal positioning of transported items.

ST 3-AXLE





## ST 3-AXLE

# ST 3-AXLE Light

# ST 4-AXLE

### MAIN DIMENSIONS

TL	Total length	13.060 mm
W	Width	2.540 mm
KH	Kingpin height	1.180 mm
LH	Loading area height	890 mm
LL	Lower loading area length	9.405 mm
UL	Upper loading area length	3.655 mm
FO	Front overhang	1.180 mm
RO	Rear overhang	1.520 mm
RT	Swing clearance radius for truck	2.105 mm
RA	Clearance radius for trailer	1.495 mm
AD <sub>1</sub> /AD <sub>2</sub>	Axle distance	1.810/1.310 mm
KA	Distance from kingpin to the 1st axle	7.240 mm

### WEIGHT

Max. fifth wheel load	18.000 kg
Axle load capacity	30.000 kg
Gross vehicle weight	48.000 kg
Dead weight	7.950 kg
Payload	40.050 kg

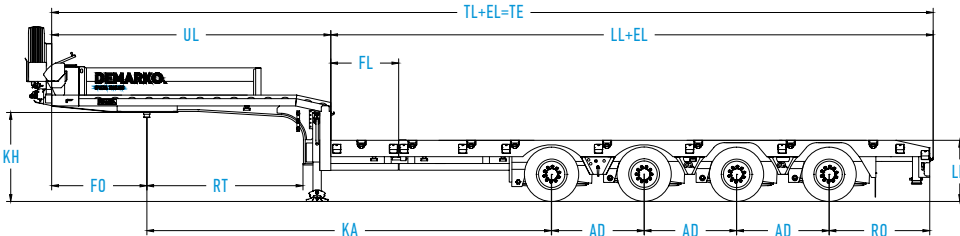
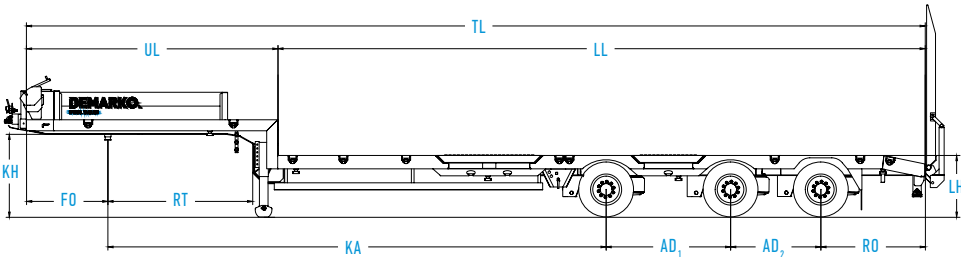
### MAIN DIMENSIONS

TL	Total length	12.965 mm
EL	Extension length	1x 6.300 mm
TE	Total length extended	19.265 mm
W	Width	2.550 mm
KH	Kingpin height	1.240 mm
LH	Loading area height	900 mm
FL	Fixed part behind goose neck	1.000 mm
LL	Lower loading area length	8.865 mm
UL	Upper loading area length	4.100 mm
FO	Front overhang	1.400 mm
RO	Rear overhang	1.480 mm
RT	Swing clearance radius for truck	2.300 mm

RA	Clearance radius for trailer	1.651 mm
AD	Axle distance	1.360 mm
KA	Distance from kingpin to the 1st axle	5.950 mm

### WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	40.000 kg
Gross vehicle weight	65.000 kg
Dead weight	11.200 kg
Payload	53.800 kg



- Heavy duty lashing rings in lower loading area, 8 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
- Heavy duty lashing rings in excavator arm pit, 2 pairs, LC=min. 5000 daN

- Wheel recess in lower loading area, 2 pairs
- Pit for excavator arm
- Light weight design: 7.950 kg together with aluminum ramps and covers for wheel recess
- 2 fixed axles, 1 self-steering axle
- 1 axle lift

- Heavy duty lashing rings in lower loading area, 9 pairs, LC=min. 5000 daN
- Goose neck with integrated lashing rail on sides

- Stake pockets, 10 pairs
- 2 fixed axles, 2 self-steering axles
- 1 axle lift



# ST 5-AXLE

# ST 6-AXLE

### MAIN DIMENSIONS

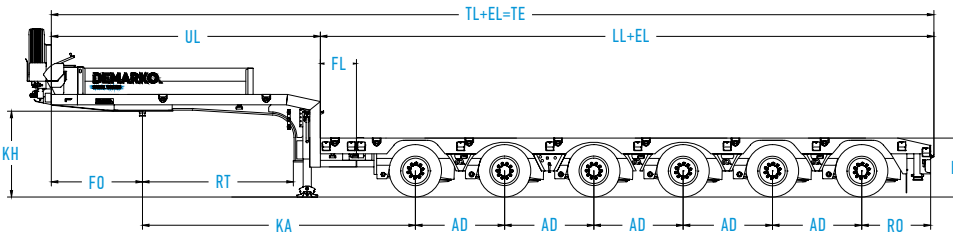
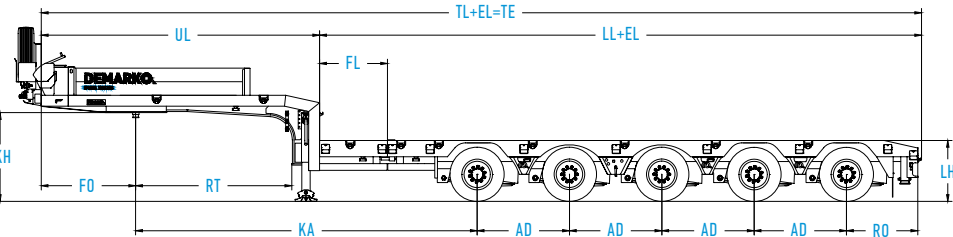
TL	Total length	12.965 mm	RA	Clearance radius for trailer	1.651 mm
EL	Extension length	1x 6.300 mm	AD	Axle distance	1.360 mm
TE	Total length extended	19.265 mm	KA	Distance from kingpin to the 1st axle	5.030 mm
W	Width	2.550 mm			
KH	Kingpin height	1.240 mm			
LH	Loading area height	900 mm			
FL	Fixed part behind goose neck	1.000 mm			
LL	Lower loading area length	8.865 mm			
UL	Upper loading area length	4.100 mm			
FO	Front overhang	1.400 mm			
RO	Rear overhang	1.050 mm			
RT	Swing clearance radius for truck	2.300 mm			

WEIGHT	
Max. fifth wheel load	25.000 kg
Axle load capacity	50.000 kg
Gross vehicle weight	75.000 kg
Dead weight	13.200 kg
Payload	61.800 kg

### MAIN DIMENSIONS

TL	Total length	13.450 mm	RA	Clearance radius for trailer	1.651 mm
EL	Extension length	1x 6.300 mm	AD	Axle distance	1.360 mm
TE	Total length extended	19.750 mm	KA	Distance from kingpin to the 1st axle	4.160 mm
W	Width	2.550 mm			
KH	Kingpin height	1.240 mm			
LH	Loading area height	900 mm			
FL	Fixed part behind goose neck	550 mm			
LL	Lower loading area length	9.350 mm			
UL	Upper loading area length	4.100 mm			
FO	Front overhang	1.400 mm			
RO	Rear overhang	1.050 mm			
RT	Swing clearance radius for truck	2.300 mm			

WEIGHT	
Max. fifth wheel load	25.000 kg
Axle load capacity	60.000 kg
Gross vehicle weight	85.000 kg
Dead weight	13.800 kg
Payload	71.200 kg



- Heavy duty lashing rings in lower loading area, 8 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN

- Stake pockets, 7 pairs
- Stake pockets rows crosswise to the axis of trailer, 3 rows
- 3 fixed axles, 2 self-steering axles
- 1 axle lift

- Heavy duty lashing rings in lower loading area, 8 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN

- Stake pockets, 8 pairs
- Stake pockets rows crosswise to the axis of trailer, 3 rows
- 3 fixed axles, 3 self-steering axles
- 1 axle lift

ST 6-AXLE





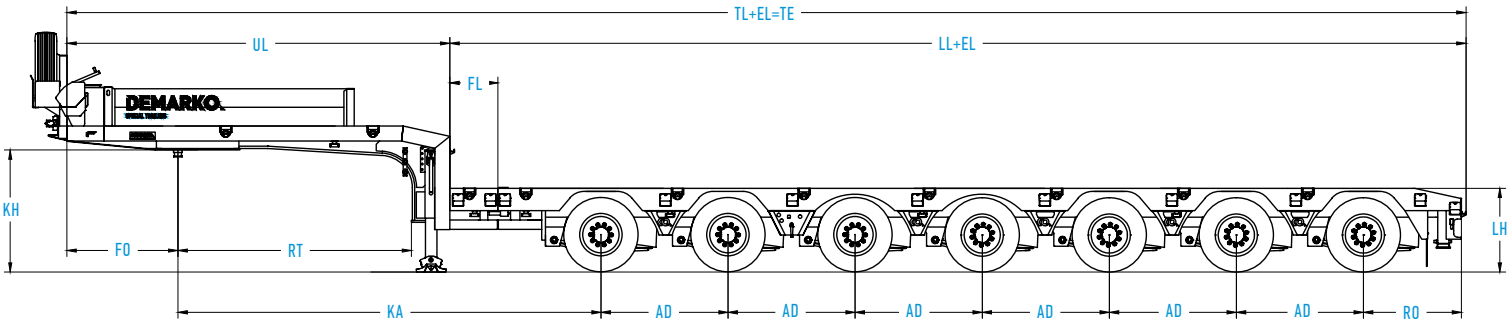
# ST 7-AXLE

## MAIN DIMENSIONS

TL	Total length	14.980 mm	RO	Rear overhang	1.050 mm
EL	Extension length	1x 6.300 mm	RT	Swing clearance radius for truck	2.500 mm
TE	Total length extended	21.280 mm	RA	Clearance radius for trailer	1.500 mm
W	Width	2.550 mm	AD	Axle distance	1.360 mm
KH	Kingpin height	1.240 mm	KA	Distance from kingpin to the 1st axle	4.530 mm
LH	Loading area height	900 mm			
FL	Fixed part behind goose neck	515 mm			
LL	Lower loading area length	10.880 mm			
UL	Upper loading area length	4.100 mm			
FO	Front overhang	1.200 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg	• Heavy duty lashing rings in lower loading area, 9 pairs, LC=min. 5000 daN
Axle load capacity	70.000 kg	• Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
Gross vehicle weight	95.000 kg	• Stake pockets, 8 pairs
Dead weight	16.500 kg	• Stake pockets rows crosswise to the axis of trailer, 3 rows
Payload	78.500 kg	• 3 fixed axles, 4 self-steering axles
		• 1 axle lift



ST 8-AXLE





# ST 8-AXLE

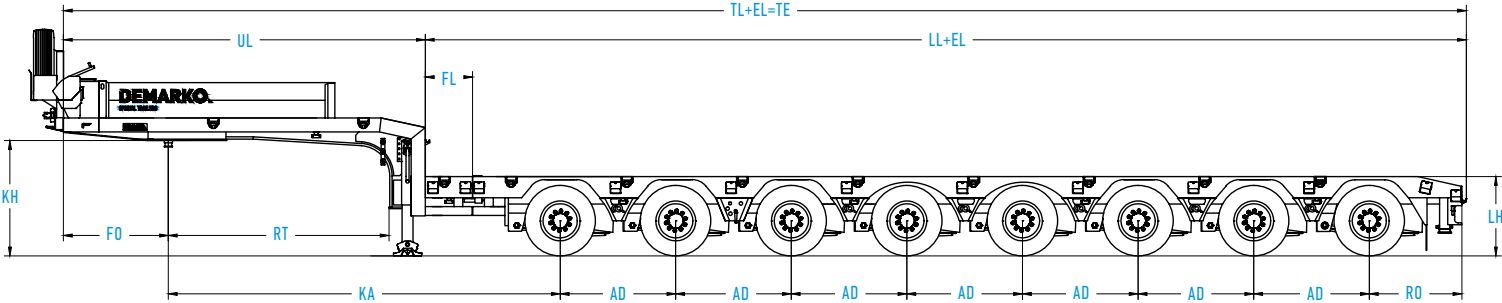
## MAIN DIMENSIONS

TL	Total length	15.900 mm	RO	Rear overhang	1.050 mm
EL	Extension length	1x 6.300 mm	RT	Swing clearance radius for truck	2.500 mm
TE	Total length extended	22.200 mm	RA	Clearance radius for trailer	1.500 mm
W	Width	2.550 mm	AD	Axle distance	1.310 mm
KH	Kingpin height	1.240 mm	KA	Distance from kingpin to the 1st axle	4.440 mm
LH	Loading area height	900 mm			
FL	Fixed part behind goose neck	535 mm			
LL	Lower loading area length	11.800 mm			
UL	Upper loading area length	4.100 mm			
FO	Front overhang	1.200 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	80.000 kg
Gross vehicle weight	105.000 kg
Dead weight	19.000 kg
Payload	86.000 kg

- Heavy duty lashing rings in lower loading area, 10 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
- Stake pockets, 10 pairs
- Stake pockets rows crosswise to the axis of trailer, 3 rows
- 3 fixed axles, 5 self-steering axles
- 1 axle lift



# ST 8(2+6)-AXLE

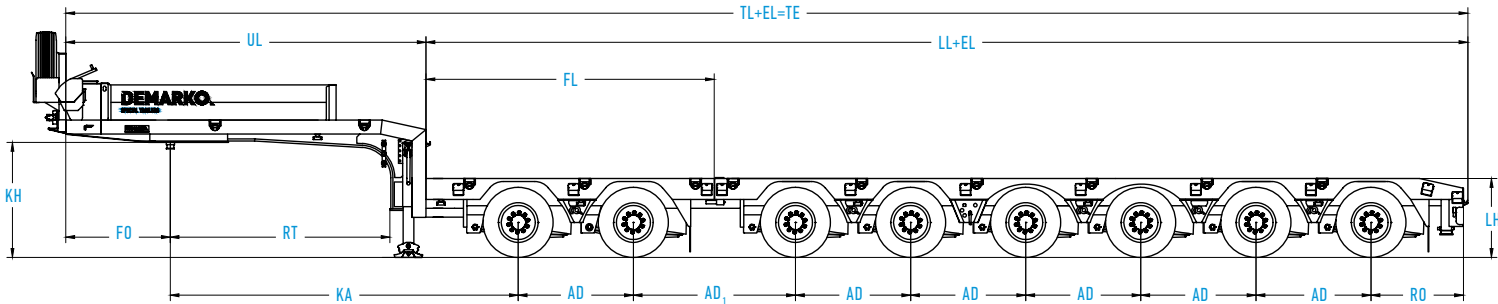
## MAIN DIMENSIONS

TL	Total length	15.955 mm	RO	Rear overhang	1.050 mm
EL	Extension length	1x 6.300 mm	RT	Swing clearance radius for truck	2.500 mm
TE	Total length extended	22.255 mm	RA	Clearance radius for trailer	1.500 mm
W	Width	2.550 mm	AD	Axle distance	1.310 mm
KH	Kingpin height	1.240 mm	AD <sub>1</sub>	Distance between 2nd and 3rd axle	1.845 mm
LH	Loading area height	900 mm	KA	Distance from kingpin to the 1st axle	3.960 mm
FL	Fixed part behind goose neck	3.280 mm			
LL	Lower loading area length	11.855 mm			
UL	Upper loading area length	4.100 mm			
FO	Front overhang	1.200 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	80.000 kg
Gross vehicle weight	105.000 kg
Dead weight	22.000 kg
Payload	83.000 kg

- Heavy duty lashing rings in lower loading area, 10 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
- Stake pockets, 8 pairs
- Stake pockets rows crosswise to the axis of trailer, 4 rows
- First two axles separated from other axles
- 3 fixed axles, 5 self-steering axles
- 2 axle lifts





# ST 10(2+8)-AXLE

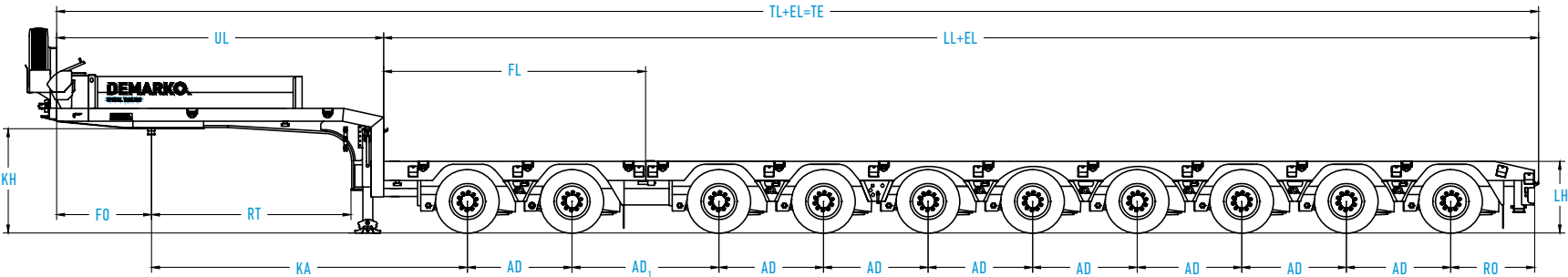
## MAIN DIMENSIONS

TL	Total length	18.575 mm	RO	Rear overhang	1.050 mm
EL	Extension length	1x 8.300 mm	RT	Swing clearance radius for truck	2.500 mm
TE	Total length extended	26.875 mm	RA	Clearance radius for trailer	1.500 mm
W	Width	2.550 mm	AD	Axle distance	1.310 mm
KH	Kingpin height	1.240 mm	AD <sub>1</sub>	Distance between 2nd and 3rd axle	1.845 mm
LH	Loading area height	900 mm	KA	Distance from kingpin to the 1st axle	3.960 mm
FL	Fixed part behind goose neck	3.280 mm			
LL	Lower loading area length	14.470 mm			
UL	Upper loading area length	4.100 mm			
FO	Front overhang	1.200 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	100.000 kg
Gross vehicle weight	125.000 kg
Dead weight	25.000 kg
Payload	100.000 kg

- Heavy duty lashing rings in lower loading area, 12 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
- Stake pockets, 9 pairs
- Stake pockets rows crosswise to the axis of trailer, 4 rows
- First two axles separated from other axles
- 3 fixed axles, 7 self-steering axles
- 4 axle lifts



# LD

SEMITRAILERS WITH LOWER  
LOADING FLOOR

## LDR

2-AXLE  
4-AXLE

3-AXLE  
5-AXLE

## LDF

2-AXLE  
4-AXLE

3-AXLE  
5-AXLE





# LD SERIES

Semitrailers with lowered loading floor series LD are offered in options from 2 to 5 axles.

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Depending on the requirements, the semitrailers are produced in different configurations: multiple lengthening, widening with any choice of axles: fixed, steering or hydraulically controlled steering, operated by a remote control, with maximum load up to 16 tonnes. The most popular semitrailers are equipped with 17.5 inch twin wheels. As an option: bottom loading floor 800

mm above the ground in driving position, low profile 205/65 tyres provide perfect parameters for special-purpose semitrailers for oversize cargo transport. If 800 mm is still too much, it is possible to make special cavities for wheels or for a bucket of a transported machine.

The top floor is also used for cargo transport. It can be used for the transport of additional semitrailer equipment, such as stripes and chains for securing a cargo and tools. It can also be used for the transport of smaller machines, loaded with a crane or optionally, entering thanks to a special ramp.

## LDF 3-AXLE



# LDF 4-AXLE

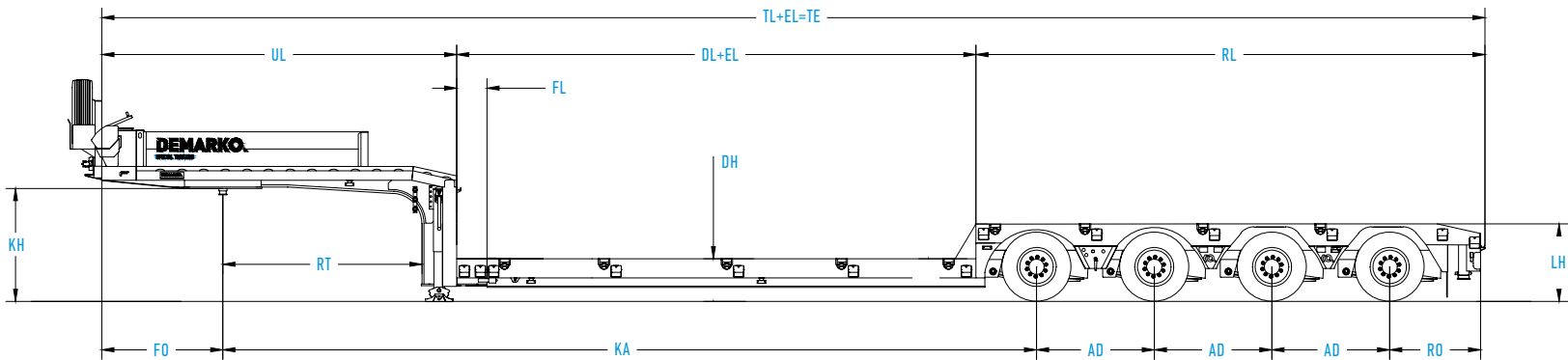
## MAIN DIMENSIONS

TL	Total length	15.980 mm	UL	Upper loading area length	4.100 mm
EL	Extension length	1x 4.200 mm	FO	Front overhang	1.400 mm
TE	Total length extended	20.180 mm	RO	Rear overhang	1.050 mm
W	Width	2.550 mm	RT	Swing clearance radius for truck	2.300 mm
KH	Kingpin height	1.300 mm	RA	Clearance radius for trailer	1.650 mm
LH	Loading area height	900 mm	AD	Axle distance	1.360 mm
DH	Lowered loading area height	490 mm	KA	Distance from kingpin to the 1st axle	9.400 mm
FL	Fixed part behind goose neck	350 mm			
RL	Rear part of loading area length	5.880 mm			
DL	Lower loading area length	6.000 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	40.000 kg
Gross vehicle weight	65.000 kg
Dead weight	13.500 kg
Payload	51.500 kg

- Heavy duty lashing rings in lower loading area, 5 pairs, LC= min. 5000 daN
- Heavy duty lashing rings in rear loading area, 5 pairs, LC= min. 5000 daN
- Goose neck with integrated lashing rail on sides
- Stake pockets, 10 pairs
- 2 fixed axles, 2 self-steering axles



# LDF 5-AXLE

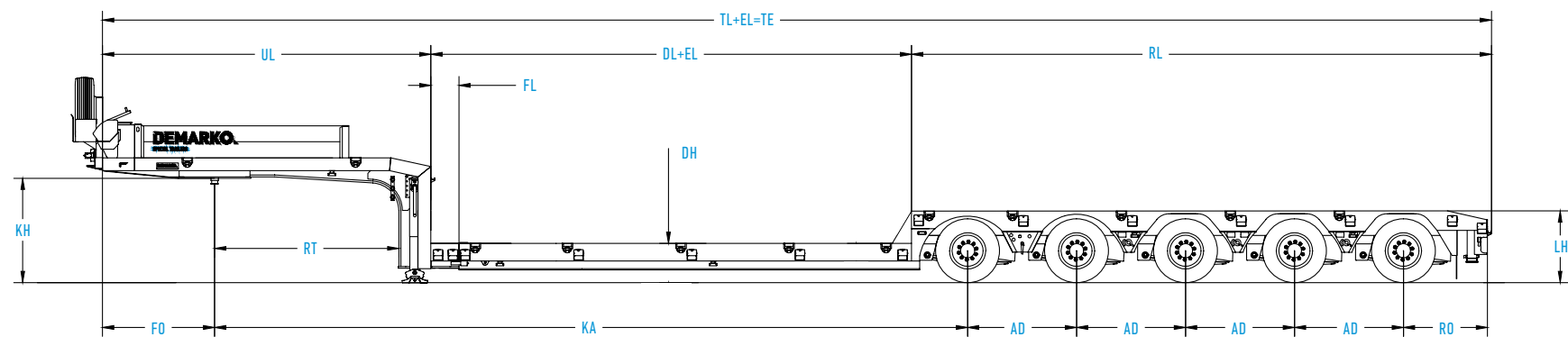
## MAIN DIMENSIONS

TL	Total length	17.340 mm	UL	Upper loading area length	4.100 mm
EL	Extension length	1x 4.200 mm	FO	Front overhang	1.400 mm
TE	Total length extended	21.540 mm	RO	Rear overhang	1.050 mm
W	Width	2.550 mm	RT	Swing clearance radius for truck	2.300 mm
KH	Kingpin height	1.300 mm	RA	Clearance radius for trailer	1.650 mm
LH	Loading area height	900 mm	AD	Axle distance	1.360 mm
DH	Lowered loading area height	490 mm	KA	Distance from kingpin to the 1st axle	9.400 mm
FL	Fixed part behind goose neck	350 mm			
RL	Rear part of loading area length	7.240 mm			
DL	Lower loading area length	6.000 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	50.000 kg
Gross vehicle weight	75.000 kg
Dead weight	14.500 kg
Payload	60.500 kg

- Heavy duty lashing rings in lower loading area, 5 pairs, LC=min. 5000 daN
- Heavy duty lashing rings in rear loading area, 6 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
- Stake pockets, 11 pairs
- 2 fixed axles, 3 self-steering axles



## LDR 3-AXLE



# LDR 4-AXLE

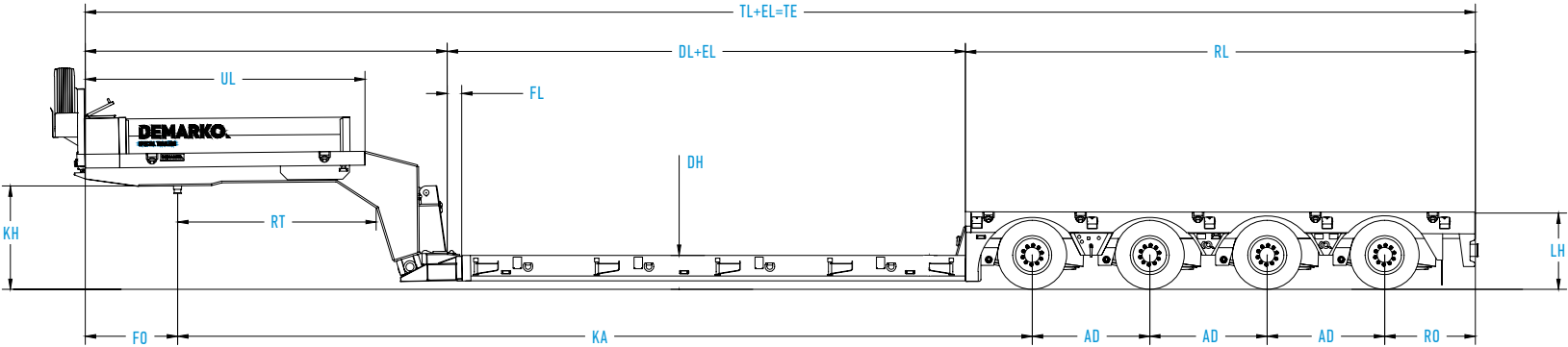
## MAIN DIMENSIONS

TL	Total length	16.095 mm	UL	Upper loading area length	3.240 mm
EL	Extension length	1x 5.150 mm	FO	Front overhang	1.070 mm
TE	Total length extended	21.245 mm	RO	Rear overhang	1.050 mm
W	Width	2.550 mm	RT	Swing clearance radius for truck	2.300 mm
KH	Kingpin height	1.200 mm	RA	Clearance radius for trailer	1.425 mm
LH	Loading area height	900 mm	AD	Axle distance	1.360 mm
DH	Lowered loading area height	410 mm	KA	Distance from kingpin to the 1st axle	9.895 mm
FL	Fixed part behind goose neck	170 mm			
RL	Rear part of loading area length	5.905 mm			
DL	Lower loading area length	6.000 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	40.000 kg
Gross vehicle weight	65.000 kg
Dead weight	14.200 kg
Payload	50.800 kg

- Heavy duty lashing rings in lower loading area, 7 pairs, LC=min. 5000 daN
- Heavy duty lashing rings in rear loading area, 5 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
- Stake pockets, 10 pairs
- 2 fixed axles, 2 self-steering axles



# LDR 5-AXLE

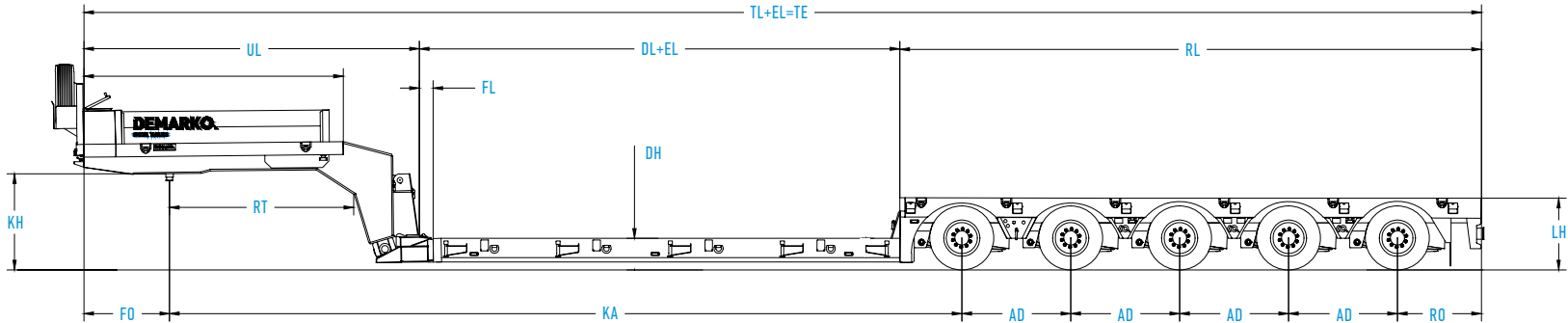
## MAIN DIMENSIONS

TL	Total length	17.455 mm	UL	Upper loading area length	3.240 mm
EL	Extension length	1x 5.150 mm	FO	Front overhang	1.070 mm
TE	Total length extended	22.605 mm	RO	Rear overhang	1.050 mm
W	Width	2.550 mm	RT	Swing clearance radius for truck	2.300 mm
KH	Kingpin height	1.200 mm	RA	Clearance radius for trailer	1.425 mm
LH	Loading area height	900 mm	AD	Axle distance	1.360 mm
DH	Lowered loading area height	410 mm	KA	Distance from kingpin to the 1st axle	9.895 mm
FL	Fixed part behind goose neck	170 mm			
RL	Rear part of loading area length	7.265 mm			
DL	Lower loading area length	6.000 mm			

## WEIGHT

Max. fifth wheel load	25.000 kg
Axle load capacity	50.000 kg
Gross vehicle weight	75.000 kg
Dead weight	15.200 kg
Payload	59.800 kg

- Heavy duty lashing rings in lower loading area, 7 pairs, LC=min. 5000 daN
- Heavy duty lashing rings in rear loading area, 6 pairs, LC=min. 5000 daN
- Heavy duty lashing rings on goose neck, 2 pairs, LC=min. 5000 daN
- Stake pockets, 11 pairs
- 2 fixed axles, 3 self-steering axles



# PL

## PLATFORM SEMITRAILERS

### PLM

2-AXLE  
4-AXLE

3-AXLE

### PLF

2-AXLE  
4-AXLE  
6-AXLE

3-AXLE  
5-AXLE





# PL SERIES

Platform semitrailers series PL are available in two versions: series PLM from 2 to 4 axles and PLF from 2 to 6 axles, 2.55 m wide.

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Both series are applicable during transport of long or oversize cargos, such as wind turbine segments, pipes, propellers for wind turbines, elements of roof constructions, elements of building constructions or elements of bridges or other exceptionally long items, ensuring the highest transport efficiency and relatively low

maintenance costs. A particularly low loading floor - down to 1.050 mm in the case of the PLM series - gives the DEMARKO Special Trailers platform semitrailers a wide range of applications and increasingly significant position on the transport market.

Similarly to our remaining models, the equipment of the platform semitrailers may be completed with a range of additional options, making the PLM and PLF group models very universal products.

## PLM 3-AXLE

## PLF 2-AXLE



## PLF 4-AXLE

# PLF 5-AXLE

# PLF 6-AXLE

### MAIN DIMENSIONS

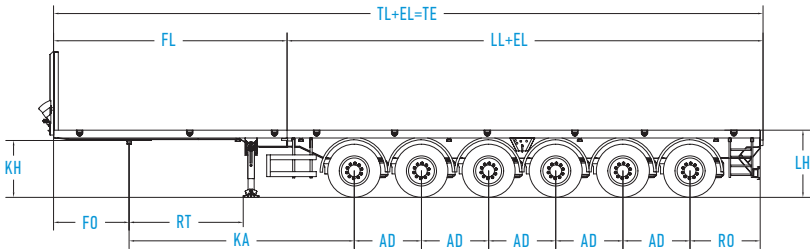
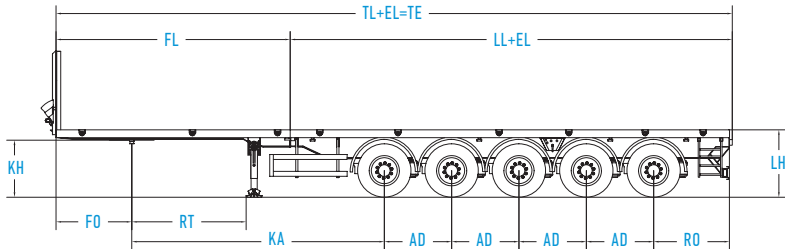
TL	Total length	13.660 mm	KA	Distance from kingpin to the 1st axle	5.100 mm
EL	Extension length	6.300 mm	AD	Axle distance	1.360 mm
TE	Total length extended	19.960 mm			
W	Width	2.550 mm			
KH	Kingpin height	1.150 mm			
LH	Loading area height	1.360 mm			
FL	Front loading area length	4.730 mm			
LL	Rear loading area length	8.930 mm			
FO	Front overhang	1.530 mm			
RO	Rear overhang	1.530 mm			
RT	Swing clearance radius for truck	2.310 mm			
RA	Clearance radius for trailer	1.990 mm			

WEIGHT	
Max. fifth wheel load	18.000 kg
Axle load capacity	45.000 kg
Gross vehicle weight	63.000 kg
Dead weight	12.000 kg
Payload	51.000 kg

### MAIN DIMENSIONS

TL	Total length	14.370 mm	KA	Distance from kingpin to the 1st axle	4.560 mm
EL	Extension length	6.300 mm	AD	Axle distance	1.360 mm
TE	Total length extended	20.670 mm			
W	Width	2.550 mm			
KH	Kingpin height	1.150 mm			
LH	Loading area height	1.360 mm			
FL	Front loading area length	4.730 mm			
LL	Rear loading area length	9.640 mm			
FO	Front overhang	1.530 mm			
RO	Rear overhang	1.420 mm			
RT	Swing clearance radius for truck	2.310 mm			
RA	Clearance radius for trailer	1.990 mm			

WEIGHT	
Max. fifth wheel load	18.000 kg
Axle load capacity	54.000 kg
Gross vehicle weight	72.000 kg
Dead weight	13.000 kg
Payload	59.000 kg



- Heavy duty lashing rings in front loading area, 3 pairs, LC=min. 5000 daN
- Heavy duty lashing rings in rear loading area, 6 pairs, LC=min. 5000 daN
- Stake pockets, 8 pairs
- Stake pockets rows crosswise to the axis of trailer, 3 rows
- 2 fixed axles, 3 self-steering axles

- Heavy duty lashing rings in front loading area, 3 pairs, LC=min. 5000 daN
- Heavy duty lashing rings in rear loading area, 6 pairs, LC=min. 5000 daN
- Stake pockets, 9 pairs
- Stake pockets rows crosswise to the axis of trailer, 3 rows
- 2 fixed axles, 4 self-steering axles

# ADDITIONAL EQUIPMENT AND ACCESSORIES

Better functionality, comfort or advanced technologies? We offer a wide range of additional options packages and original accessories, prepared for the transport industry. We are happy to present innovative solutions, including construction elements, chassis (driving unit and breaking system) and equipment of the body and external elements. More information available at [www.demarko-trailers.com/en/accessories](http://www.demarko-trailers.com/en/accessories)

## ALUMINIUM FILLING OF A FLOOR IN THE PLACE OF THE WHEEL RECESS



Universal, light and strong aluminium filling for wheel recess allows using the trailer as a typical construction with even a loading floor.

## ALUMINIUM SIDE WALLS AND TOOL STORAGE



Aluminium side walls, fixed at the front, integrated with a closed tool storage, allow transporting small cargoes or storage of equipment used for loading.

## LOAD TRESTLE



Load trestles are used to level the loading floor with a swan neck. Their number depends on the weight and length of transported elements. It is possible to adjust the shape individually.

## SPARE WHEEL HOLDER



A clamp securing the spare wheel at the front of the semitrailer may hold 2 spare wheels.

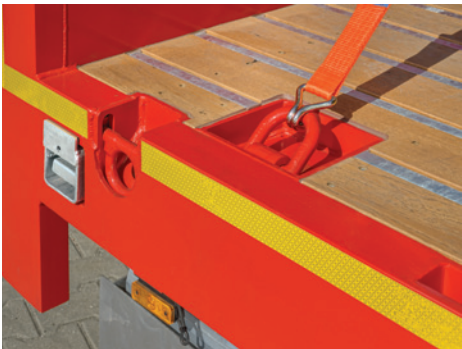


### WHEEL RECESS



Easy loading of wheel loaders. The dimensions and placing of the recess is optimal for the majority of types and brands of wheel loaders and ensures perfect distribution of the weight between a swan neck and axles.

### SECURING CARGO AND WIDENING



Steel, hot-dip galvanized telescopic arms, retractable in the loading floor and special lashings with a load capacity up to 32 t, with the possibility of storing in the loading floor.

### RAMPS



Flip-down and shifted by a hydraulic engine, 3-5 m long or aluminium models added or fixed, 2.4-3 m long.

### STORAGE FOR ALUMINIUM RAMPS



Aluminium ramp basket under the rear cut-out of the loading floor allows for fast and safe transport of additional equipment and increases the loading capacity of the swan neck.



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**SPECIAL TRAILERS**

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The presented dimensions and Weight are for reference only and may differ depending on the configuration and choice of additional equipment. Changes of construction and equipment are reserved. Models may differ depending on the country of distribution. This catalogue does not constitute an offer for sale within the meaning of the Civil Code. Colours presented in the catalogue may differ from the real product.

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