



Gets you there.

MULTITRAILER® MPL SEMI LOWLOADERS



DISCOVER THE NEXT GENERATION IN SPECIAL TRANSPORTATION

The MANOOVR Multi-PL is the new generation of semi lowloaders from Nootboom.

Unique features are the ultra-low load floor height and the high legally permitted axle load. The combination of the 780mm floor height with at least 12 tonnes per axle line anywhere in Europe – including the Netherlands – makes the MANOOVR exceptional. It was designed with just one goal in mind: the best specification in the market on all the key points. And they succeeded: the Nootboom MANOOVR Multi-PL semi lowloader is in all respects superior to semi-trailers with any other type of (independent) suspension. For the Netherlands a patent is pending for the unique MANOOVR technology.

WWW.MANOOVR.COM



NOOTEBOOM



Advantages of the MANOOVR Multi-PL semi lowloader

The MANOOVR Multi-PL semi lowloader generation is available with 3 to 10 axles. The load floor can be single, double or triple extendible and is available in widths of 2,550mm or 2,750mm.

The MANOOVR technology is revolutionary, durable, robust and innovative. But above all: the construction is simple and designed for the lowest costs per kilometre!

- Load floor height 780mm
- 12 tonnes axle load/axle line at 80 km/h
- Excellent manoeuvrability (up to 70 degrees steering angle)
- Up to 4 x longer life time of tyres
- Up to 50 % more suspension travel than a semi-trailer with other types of suspension
- Up to 40% fewer pivots in the suspension and steering

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- ① Diesel Power pack
- ② Triple hydraulic steering system Multidolly
- ③ Pre-cambered main beams
- ④ Load floor width 2,550mm or 2,750 mm
- ⑤ Strong load floor with Safety-Walk coating
- ⑥ 10t TÜV certified lashing rings
- ⑦ Screw-in lashing rings
- ⑧ HELLA Easycon lighting system
- ⑨ Central control unit
- ⑩ Steplessly adjustable fifth wheel load/axle weight ratio
- ⑪ Extendible load floor (1x, 2x, 3x)
- ⑫ Adjustable steering front axles
- ⑬ SAF or BPW pendle axles
- ⑭ 245/70R17.5 tyres
- ⑮ Load floor width extension



WHAT ABOUT
780 MM
PLATFORM HEIGHT?



WHAT ABOUT
500 MM
SUSPENSION STROKE?



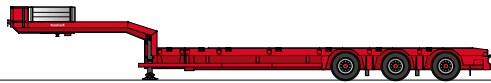
WHAT ABOUT
12 TONS
PER AXLE LINE?



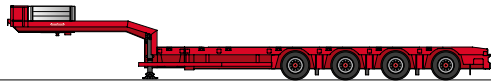
WHAT ABOUT
70°
STEERING ANGLE?

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	Speed	Fifth wheel	Axles	GVW*	Dead weight	Payload
MPL-61-03(V)	80 km/h	25.0	12.0	61.0	14.4	46.6
MPL-61-03(VV)	80 km/h	25.0	12.0	61.0	16.4	44.6
MPL-61-03(VT)	80 km/h	25.0	12.0	61.0	18.4	42.6



	Speed	Fifth wheel	Axles	GVW*	Dead weight	Payload
MPL-73-04(V)	80 km/h	25.0	12.0	73.0	16.3	56.7
MPL-73-04(VV)	80 km/h	25.0	12.0	73.0	18.3	54.7
MPL-73-04(VT)	80 km/h	25.0	12.0	73.0	20.5	52.5



	Speed	Fifth wheel	Axles	GVW*	Dead weight	Payload
MPL-85-05(V)	80 km/h	25.0	12.0	85.0	17.9	67.1
MPL-85-05(VV)	80 km/h	25.0	12.0	85.0	19.9	65.1
MPL-85-05(VT)	80 km/h	25.0	12.0	85.0	23.6	61.4



	Speed	Fifth wheel	Axles	GVW*	Dead weight	Payload
MPL-97-06(V)	80 km/h	25.0	12.0	97.0	20.8	76.2
MPL-97-06(VV)	80 km/h	25.0	12.0	97.0	23.1	73.9
MPL-102-06(V)	80 km/h	30.0	12.0	102.0	21.6	80.4
MPL-102-06(VV)	80 km/h	30.0	12.0	102.0	23.8	78.2



	Speed	Fifth wheel	Axles	GVW*	Dead weight	Payload
MPL-109-07(V)	80 km/h	25.0	12.0	109.0	23.8	85.2
MPL-109-07(VV)	80 km/h	25.0	12.0	109.0	27.2	81.8
MPL-114-07(V)	80 km/h	30.0	12.0	114.0	25.0	89.0
MPL-114-07(VV)	80 km/h	30.0	12.0	114.0	27.7	86.3



	Speed	Fifth wheel	Axles	GVW*	Dead weight	Payload
MPL-121-08(V)	80 km/h	25.0	12.0	121.0	27.5	93.5
MPL-126-08(V)	80 km/h	30.0	12.0	126.0	27.9	98.1

*GVW= Gross Vehicle Weight = total weight of the trailer. Weights depending on version.

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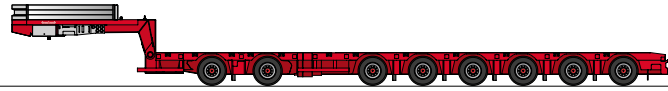


Multi-PL semi lowloaders with Multidolly

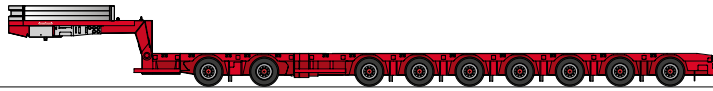




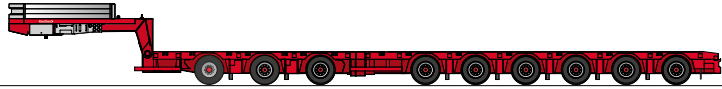
Configurations Multi-PL with Multidolly



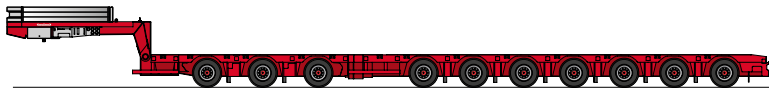
	Speed	Fifth wheel	Front axles	Rear axles	GVW*	Dead weight	Payload
MPL-121-26(V)	80 km/h	25.0	12.0	12.0	121.0	28.9	92.1
MPL-121-26(VV)	80 km/h	25.0	12.0	12.0	121.0	31.3	89.7
MPL-126-26(V)	80 km/h	30.0	12.0	12.0	126.0	29.4	96.6
MPL-126-26(VV)	80 km/h	30.0	12.0	12.0	126.0	31.8	94.2



	Speed	Fifth wheel	Front axles	Rear axles	GVW*	Dead weight	Payload
MPL-133-27(V)	80 km/h	25.0	12.0	12.0	133.0	31.7	101.3
MPL-133-27(VV)	80 km/h	25.0	12.0	12.0	133.0	35.0	98.0
MPL-138-27(V)	80 km/h	30.0	12.0	12.0	138.0	32.2	105.8
MPL-138-27(VV)	80 km/h	30.0	12.0	12.0	138.0	35.5	102.5



	Speed	Fifth wheel	Front axles	Rear axles	GVW*	Dead weight	Payload
MPL-133-36(V)	80 km/h	25.0	12.0	12.0	133.0	30.8	102.2
MPL-133-36(VV)	80 km/h	25.0	12.0	12.0	133.0	33.2	99.8
MPL-138-36(V)	80 km/h	30.0	12.0	12.0	138.0	31.3	106.7
MPL-138-36(VV)	80 km/h	30.0	12.0	12.0	138.0	33.7	104.3



	Speed	Fifth wheel	Front axles	Rear axles	GVW*	Dead weight	Payload
MPL-145-37(V)	80 km/h	25.0	12.0	12.0	145.0	33.6	111.4
MPL-145-37(VV)	80 km/h	25.0	12.0	12.0	145.0	36.9	108.1
MPL-150-37(V)	80 km/h	30.0	12.0	12.0	150.0	34.1	115.9
MPL-150-37(VV)	80 km/h	30.0	12.0	12.0	150.0	37.4	112.6

*GVW= Gross Vehicle Weight = total weight of the trailer. Weights depending on version.









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MANOVR WITH EXCAVATOR TROUGH

The latest novelty within the Manoovr programme is the version with an excavator trough. This option makes the semi low-loader even more versatile, especially for the transport of excavators and demolition machines where the boom can be placed in the excavator trough.

The excavator trough is available as standard on all semi low-loaders of the Manoovr generation with six axles or less. The width of the excavator trough depends on the width of the vehicle. With a vehicle width of 2,740 mm the excavator trough will be 800 mm wide and with a 2,890 mm wide trailer the excavator trough will be 950 mm wide. The Manoovr semi low-loader with excavator trough is available with axle distances of 1360 mm and 1510 mm.



HEAVY DUTY 80-TONNE RAMPS

Specially for the transport of heavy earthmoving and construction machines Nooteboom has developed 'Heavy Duty' ramps for the Manoovr with excavator trough. These latest ramps each have a wheel load rating of 20 tonnes. With these ramps the load capacity can be exploited to the full. The ramps' slope is just 10 degrees, due to the clever design and special shape of the ends.





EASY TO OPERATE

The Multi-PL semi low-loaders are extremely easy to operate. Also all hydraulic functions are centrally located underneath the gooseneck.



INCREASED STABILITY

The semi low-loader can hydraulically be switched from 3-point to 4-point support to improve the lateral stability when carrying loads with a high centre of gravity.



MAXIMUM MANOEUVRABILITY

The Multi-PL semi low-loader is exceedingly manoeuvrable thanks to the steering angle of up to 60 degrees of the rear axles of the trailer and up to 70 degrees of the Multidolly.



ADJUSTABLE STEERING AXLE ASSEMBLY

In order to guarantee optimal steering behaviour, whether retracted or extended, the steering of the axle assembly can simply be adjusted from above.



ADJUSTABLE STEERING MULTIDOLLY

When a Multidolly is used the MANOOVR offers the option to hydraulically adapt the steering of the Multidolly to the extended length for optimum steering behaviour and minimal tyre wear.



ADJUSTABLE FIFTH WHEEL LOAD

To adapt the fifth wheel load to the tractor that is used, the ratio between the fifth wheel load and the weight on the frontmost axles of the trailer is hydraulically adjustable. It can be done steplessly from 18 tonnes to 30 tonnes at 12 tonnes per axle line on the frontmost axles.



ANTI-SLIP COATING

The load floor of the Multi-PL is coated with a Safety-Walk coating as standard for enhanced safety of the driver.



TOOLBOX

Lockable steel toolbox on the gooseneck, with 3 separate compartments. Each compartment has its own lockable door. The top of the box is made of stainless steel.



TÜV-CERTIFIED LASHING RINGS

To safely secure the load, Multi-PL semi low-loaders are equipped with 'heavy duty' 10-tonne TÜV-certified lashing rings. The lashing rings are fitted in the side rails and on both sides of the central main beam.



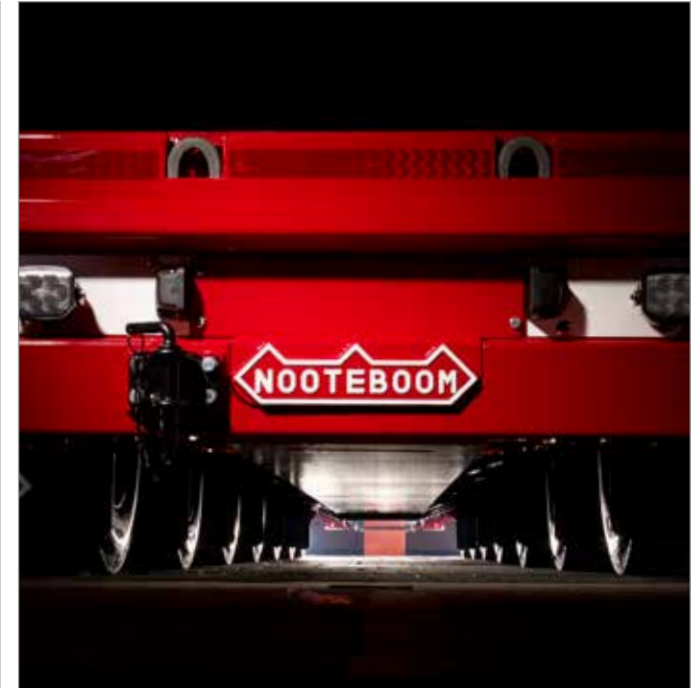
VERTICAL TRAVEL 500MM

The Multi-PL semi low-loaders have very generous vertical travel of 500mm. This offers important advantages to avoid damaging the trailer, the load or the road surface. This long vertical travel also makes it possible to efficiently load and unload jacked-up loads.



FEW PIVOTS

The MANOOVR technology has very few pivots in the steering and suspension, which means the susceptibility for maintenance and wear is minimal. This ingenious construction keeps the trailer low but at the same time it is a strong and robust axle mounting.



GROUND CLEARANCE

All the components are in a high position to prevent damage when driving over obstacles. Also all the axles can quickly and easily be lifted to save on fuel and to reduce tyre wear.

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