



5.13 Changing the vehicle length

General

To adapt the MultiMAX 3+3 in the best possible way to the load, the length of the loading-platform can be extended / shortened.



When changing the length of MultiMAX 3+3, the truck and components of the trailer move and the free space between the components changes. People can be overrun or squeezed!

- Never allow the presence of persons under or close to the vehicle, loading devices or gooseneck.
- Never allow the presence of persons within the steering area of the axles / tires.
- Never allow the presence of persons between the extended bogies.
- Never allow the presence of persons between truck and gooseneck.
- Never allow the presence of persons directly in front or behind the truck.
- Never allow the presence of persons directly in front or behind the MultiMAX 3+3.
- Never allow the presence of persons / operators on the MultiMAX 3+3.
 - Risk of crushing!
 - Risk of accident!
 - Risk of injury!



To allow a change of length of the MultiMAX 3+3, the relevant locking devices of the telescope sections have to be disengaged. After reaching the desired length, it is mandatory re-engage the locking devices.

- Prior to driving, check that all 3 locking device indicators show the position "locked".
- Prior to driving, check that all 6 locking devices of the telescope sections are snapped in.



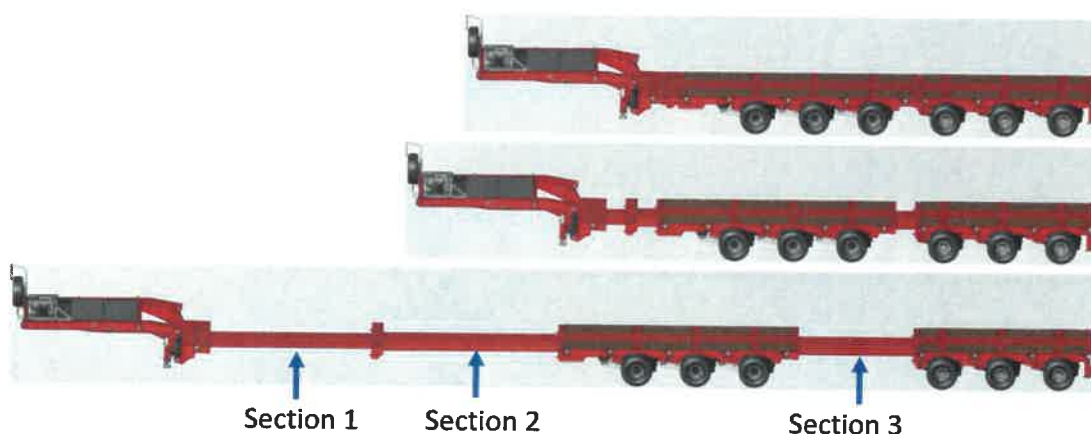
Driving with one or more locking devices in open position is strictly forbidden, as the telescope sections can move unintentionally.

- Risk of accident!
- Risk of injury!



Adaption of the length may only be performed when MultiMAX 3+3 is empty.

- Risk of accident!
- Risk of damage!



To reach different lengths, the telescope sections 1, 2 and 3 can be individually extended in steps. When the desired length is reached, the telescope sections are mechanically locked in position.

NOTICE

Telescoping of the three sections has to be performed in separate procedures. Never telescope more than one section at the same time.



5.13.1 Telescoping the section 1

To pull-out or push-in telescope section1, proceed as follows:

- Place MultiMAX 3+3 on level area.
- Align truck and MultiMAX 3+3 in a straight line.
- Close trailer brake valve at front bogie (area 5) and rear bogie (area 7).

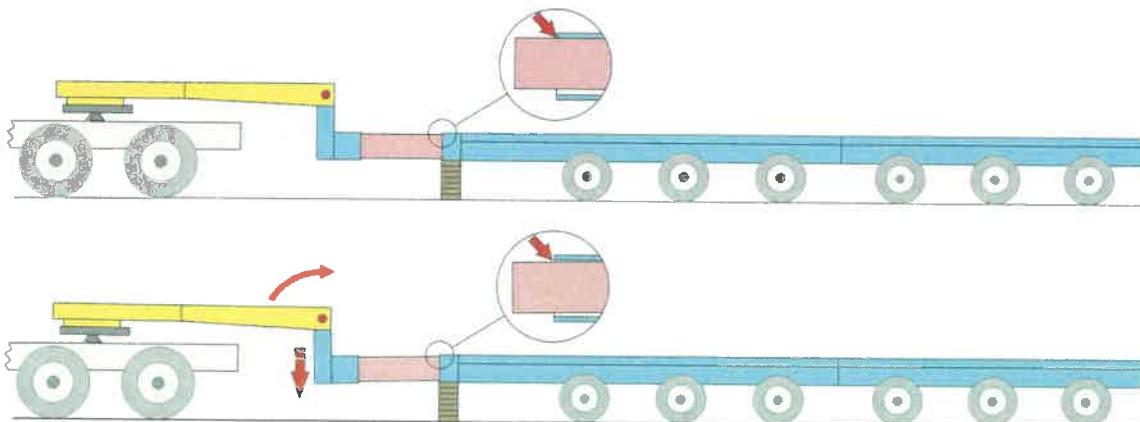


- If necessary, connect the air supply to the locking device of telescope section 1.
- Set control vane "V1L" of locking device for telescope section 1 to position "unlocked" (pull knob).
- Slowly move truck with coupled gooseneck and pull-out or push-in telescope section 1.
- Stop movement of truck approx. one foot before desired length is reached.
- Set control valve of telescope locking device for telescope section 1 to position "locked" (push knob).
- Slowly move tractor with coupled gooseneck till the locking device snaps in.



- Check locking device indicator and both locking devices for telescope section1 for proper locking.

If the intended sliding of the telescopic beams is difficult, the movement can be supported like follows:



- Place a suitable support (wooden planks or similar) under the area of the outer beam from which the telescopic beam is pulled out.
- Start / activate the powerpack (see chapter 5.7).
- Lower the gooseneck (see chapter 5.12) until the upper portion of the inner beam loses contact to the outer beam.
- Pull or push the telescope beam in the desired direction till the required position is reached and the telescope is safely locked.
- Lift the gooseneck until the support under the outer beam can be removed.
- Remove the support under the outer beam.
- Set the gooseneck back to a horizontal position.

5.13.2 Telescoping the section 2

To pull-out or push-in telescope section2, proceed as follows:

- Place MultiMAX 3+3 on level area.
- Align truck and MultiMAX 3+3 in a straight line.
- Close trailer brake valve at front bogie (area 5) and rear bogie (area 7)
- Set control valve "V2L" of locking device for telescope section 2 to position "unlocked" (pull knob).



Locking indicator

- Slowly move truck with coupled gooseneck and pull-out or push-in section 2.
- Stop movement of truck approx. one foot before desired length is reached.
- Set control valve of telescope locking device for telescope section 2 to position "locked" (push knob).
- Slowly move tractor with coupled gooseneck till the locking device snaps in.
- Check locking device indicator and both locking devices for telescope section 2 for proper locking.

If the intended sliding of the telescopic beams is difficult, the movement can be supported like described above (telescoping section 1).



5.13.3 Telescoping the section 3

To pull-out or push-in telescope section 3, proceed as follows:

- Place MultiMAX 3+3 on level area.
- Align truck and MultiMAX 3+3 in a straight line.
- Close trailer brake valve at rear bogie (area 7).
- Place wheel-chocks to rear bogie.



- Set control valve "V3L" of locking device for telescope section 3 to position "unlocked" (push knob).

Locking indicator

- Slowly move truck with coupled gooseneck and front bogie and pull-out or push-in section 3.
- Stop movement of truck approx. one foot before desired length is reached.
- Set control valve of telescope locking device for telescope section 3 to position "locked" (pull knob).
- Slowly move tractor with coupled gooseneck and front bogie till the locking device snaps in.
- Check locking device indicator and both locking devices for telescope section 3 for proper locking.

If the intended sliding of the telescopic beams is difficult, the movement can be supported like described above (telescoping section 1).



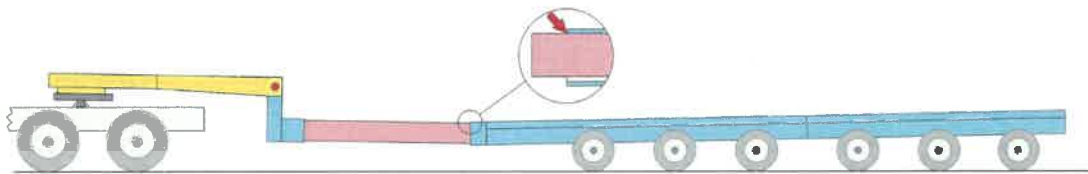
5.13.4 Shaping the loading platform deflection

When telescoping and / or loading the MultiMAX 3+3, the loading platform will show a certain deflection. If this deflection is not suitable, it can be shaped by adding or removing shimming plates to the telescope sections.

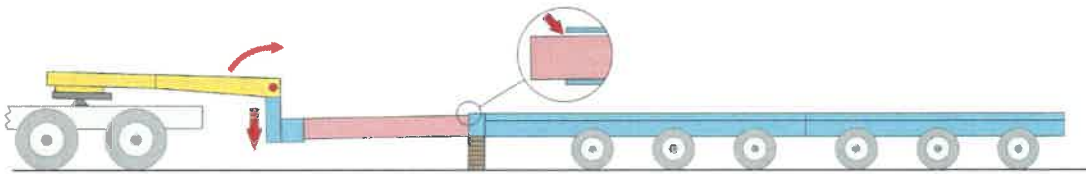


Detail: shimming plate

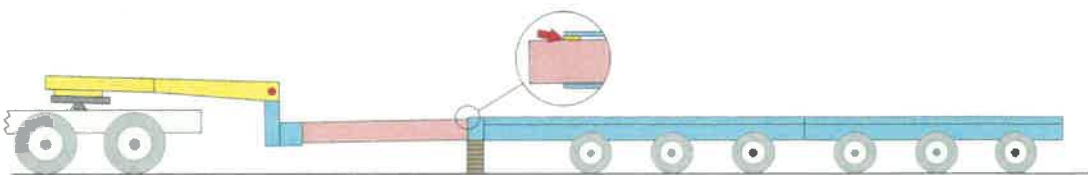
To shape the deflection of the loading platform to the top proceed as follows:



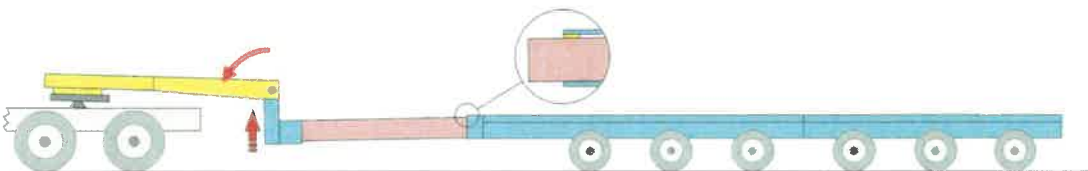
- Place the MultiMAX 3+3 on a flat and level ground and secure it against any unwanted movements.



- Place a suitable support (wooden planks or similar) under the area of the outer beam from which the telescopic beam is pulled out.
- Start / activate the powerpack.
- Lower the gooseneck (see chapter 5.12) until the upper portion of the inner beam loses contact to the outer beam.



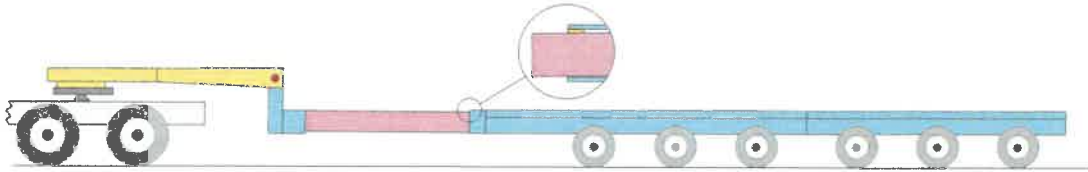
- Shift the desired shimming plate in the gap between outer beam and inner beam.



- Lift the gooseneck until the support under the outer beam can be removed.
- Remove the support under the outer beam.



- The shimming plate now is fixed in place by the bending moment of the trailer.



- Set the gooseneck back to a horizontal position.
- Check, if the deflection of the loading platform now meets the requirements. If not: repeat a.m. procedure but use a shimming plate of a different thickness.



5.14 Lifting and lowering axles

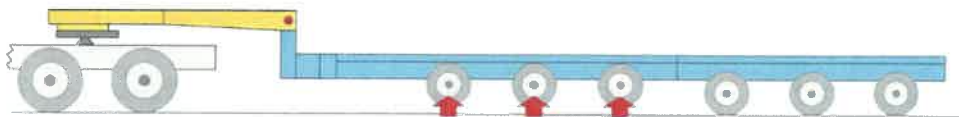
When axles shall be lifted, no load may be carried on the MultiMAX 3+3.

- Lift axles for empty drive only.
- Observe that the axle load of the remaining active axles is not exceeded with regards to axle loads permitted by local and national rules, regulations and laws.
- Observe that the axle load of the remaining active axles is not exceeded with regards to the maximum allowed technical axle load of the MultiMAX 3+3.
 - Risk of damage!
 - Risk of accident!
 - Risk of injury!

General

To reduce tire wear as well as to minimize rolling resistance, in unloaded condition one or more axles can be disengaged and lifted off the ground.

Axles (one or more at the same time) that may be lifted for empty drive:



Axle 1 Axle 2 Axle 3

To lift or lower one or more axles:

- Set one, two or all of the three corresponding switches ("S3", "S4", "S5") in area 5 to position "UP" (axle lifted) or "DOWN" (axle active on ground).



When operating the axle-lift switches "S3", "S4", "S5" the corresponding axle immediately moves up or down.

- Stay clear of axles!
- Risk of crushing!
- Risk of injury!

NOTICE

If the axle load of the load carrying axles exceeds their max. allowed value, the lifted axles are **not automatically lowered** to the ground.



5.15 Loading the MultiMAX 3+3

General

The MultiMAX 3+3 is designed to carry self-supporting loads only.

- Supporting of the load only is allowed at the designated loading areas.
- Between load and loading platform, the use of a rubber, wood or similar friction-enhancing interface is highly recommended.
- Permissible payload of the MultiMAX 3+3 according to the loading diagram must not be exceeded.
- Minimum / maximum load supporting distances according to the loading diagram must not be exceeded.
- Minimum load support areas according to the loading diagram have to be observed.
- Proper securing / lashing of the load is mandatory.
- For lashing the load, only the designated lashing points must be used.

NOTICE

- To match the 5th wheel load with the truck capacity or national or local regulations, the payload has to be positioned according to suitable FAYMONVILLE released loading diagrams or load simulation software.
- To match the axle load with the national or local regulations, the payload has to be positioned according to suitable FAYMONVILLE released loading diagrams or load simulation software.
- The fact, that a payload and its position on the MultiMAX 3+3 is ok according to the FAYMONVILLE load diagram or FAYMONVILLE simulation software, **does not mean**, that the MultiMAX 3+3 is allowed to drive on public roads in this configuration. It is the sole responsibility of the operator / user / driver to check, that the 5th wheel load, the axle load, that axle spacings and all the other dimensions are in line with the local and applicable laws and regulations.



During the loading procedure, the MultiMAX 3+3 and the load have to be secured against any unintentional movements.

During the loading procedure and until the load is securely lashed to the trailer, no unauthorized persons are allowed to stay close to the MultiMAX 3+3 and the load.