

2. Important details on loading and load balancing

Corresponding to the Road Traffic Offices and regulations in the respective countries, (according to German STVO, StVZO, UVV) the truckload has to be **loaded and secured save to avoid accidents!**

Observe all valid legal regulations in the respective country (Germany: guideline VDI 2700)



Notice our chapter 4, for correct load securing.

Correct load balancing is essential.

Wrong or unfavorable loading of the superstructure, particularly unbalanced load spreading affects the drivability (for example curves, braking) and can lead to accidents. One-sided pressure can lead to increased wearout of security-relevant parts. The producer of the chassis is responsible for correct configuration.

a. Load balancing - pay attention to image

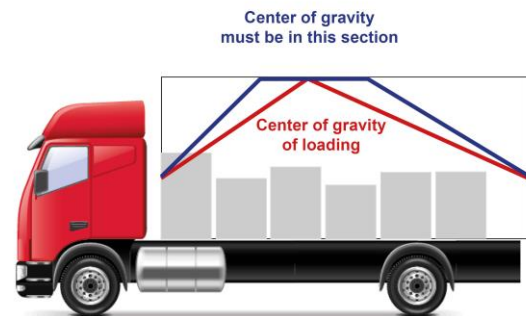
The registered payload as well as the admissible axle loads on front axle and rear axle must be respected.

The payload can be applied if the balance point of your loading is in the calculated range. If not so, the payload must be relevantly lesser.

We suggest:

Σ Axle loads > gross weight + 5-10 %,
that means, if the amount of the axle load is about 5 % higher than the gross weight, the section in which the center of gravity can be is bigger. That is beneficial particularly for the distribution traffic and the resulting alternating loading.

Please respect the relevant regulations in the respective country (Germany: STVZO, STVO, UVV)



	load per axle front axle	load per axle rear axle	Σ load all axles	GW	Center of gravity
Example A	7000 kg	+ 11000 kg	= 18000 kg	= 18000 kg	◀ not optimal
Example B	7500 kg	+ 11500 kg	= 19000 kg	> 18000 kg	◀ optimum

b. Transport of hanging goods

If transporting hanging meat on tubular tracks, the center of gravity of the load is very high, which can lead to rolling movements.

- Absolutely ensure even loading!
- Don't improperly overload!
- Adjust speed!

c. Uniform distribution of the load

Please always ensure that the load is evenly spreaded and balanced and observe the principles of load securing, which are also explained in chapter 4 of this operating manual.