

Press release from 18 October 2022

Low loader with high payload

Some transports require more payload, especially when heavy construction machines such as tracked excavators or large wheel loaders have to be transported. With the SDS 470 T semitrailer low loader with wheel recesses, Fliegl has a robust vehicle with a high payload in its range: thanks to its 26,100 kilogram payload, the low loader can shoulder even heavy lumps.

Loading area

The loading height in the drop deck is only 890 millimetres; in combination with the two-part 3.6-metre-long steel ramps with cable extension, this results in a flat ramp angle. The ramps can be individually moved sideways hydraulically. Thanks to another pair of steel ramps, the 4-metre-long gooseneck can also be driven on; in addition, drop sides made of 400-millimetre-high and 25-millimetre-thick hollow aluminium profiles can be fitted all around.

While the gooseneck and the wheel housing area are covered with sheet steel, the floor in the low bed consists of 70-millimetre-thick softwood planks made of larch, which have a higher coefficient of friction than hardwood, important when loading tracked excavators, for example. For ventilation, the floor is laid with gaps between the planks, so it dries faster. A narrow crossbeam spacing, in combination with the strong planks, enables a particularly high point load. A 3-metre-long, 65-centimetre-wide and 23-centimetre-deep excavator body trough begins at the height of the rear axles and extends all the way to the rear; four lashing holes are embedded in the side of the trough.

For loads with excess width, steel extensions can be pulled out at the side of the frame, on which the 70 millimetre thick planks can also be placed - this results in a loading area up to 3 metres wide. The additional planks needed for this are stored in a storage compartment at the front across the gooseneck. Matching to this are extendable warning signs on the drive-up ramps, which are mandatory in case of excess width.

Load securing

To ensure that every load reaches its destination safely, the low-loader offers plenty of lashing options: 22 lashing mushrooms, each with a tensile force of 10 tonnes, are recessed in the top and sides of the outer frame, 18

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of which are distributed on the low-loading area, 4 on the gooseneck. Another four ring lashing eyes, each with a tensile force of 5 tonnes, are mounted on the gooseneck at the front. In addition, there are 16 ring lashing eyes with a tensile force of 5 tonnes each in the outer frame, which can be converted into stanchion pockets (5 plug-in stanchions are on board). Another pair of screw lashing eyes is mounted on the slope of the gooseneck, 6 folding lashing eyes are additionally recessed in the low-loading area. The container locks in the floor, with which a 20-foot container can be secured, provide more flexibility.

Axles

The drum brake axles with twin tyres come from SAF and are laser-measured as usual at Fliegl - this ensures low tyre wear and reduces fuel consumption. The 3rd axle is self-steering. To ensure that the permissible total weight is not inadvertently exceeded, an axle load detection system including a display in the driver's cab is on board, which receives data from the EBS canbus signal.

Useful details and lighting

Directly below the rear slope, the rear support can be folded down for loading and unloading; the spray flap behind it extends across the entire width and prevents water and dirt from being whirled up.

The comprehensive LED package consists of multi-chamber tail lights with dynamic turn signals, side marker lights as well as position and lane departure lights. The lighting package includes a detachable rotating beacon, as well as two LED work lights at the rear; the two warning signs are doubly illuminated with LED. Two additional LED work lights are mounted laterally on the right and left at the start of the drop deck, and another in the centre of the step to the gooseneck.

The most important at a glance

- Unladen weight basic version approx. 8,900 kg; technical payload 26,100 kg
- Length of loading area with rear slope: 9.2 m
- 70 mm thick larch planks on the loading floor
- Loading area can be widened to 3 m
- Two-part steel ramps with 3.6 m length for flat ramp angle

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- Holders for 20-foot containers
- Various LaSi options with ring lashing eyes, lashing mushrooms, folding lashing eyes
- Overall train appraisal for §70 permit application

Fliegl Trailer at Bauma: **Outdoor area North, Stand 721/9.**

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