

Press release from 18 October 2022

Deep and robust - the VTS 400 platform low loader with wheel recesses

With four axles and a technical payload of 30,500 kilograms, the VTS 400 lowbed trailer is ideally suited for transporting heavy excavators and wheel loaders.

Loading area

The four axles ensure optimum load distribution even with a full payload; heavy construction machines can be loaded centrally between the axles. An excavator arm is then stored 15 centimetres lower than the loading floor in a special 1.8-metre-long and 65-centimetre-wide trough; four lashing holes are let into the side of the trough to secure the load. The 40-centimetre-deep wheel recesses mean that taller wheel loaders can also be transported without exceeding the permissible overall height; when not in use, covers can be pulled out of the main frame to create a flat loading area.

For particularly wide loads, the loading area can be widened to 3 metres by means of side extensions. The bend is covered with a steel/checker plate, the rest of the loading floor and the 850-millimetre-long rear slope are made of 70-millimetre-thick wooden planks. The larch wood used has a particularly high coefficient of friction, which is desirable for load securing. If the low-loader is travelling with a normal width of 2.55 metres, the additional planks for the widening are stored in a stowage box underneath the loading area. Another stowage box is located on the bend in the floor.

The one-piece, hot-dip galvanised steel ramps are 2.8 metres long and 75 centimetres wide; they can be hydraulically raised, lowered and individually moved sideways. They are also covered with the 70 mm thick softwood planks.

Load securing

Like every Fliegl vehicle, the low-loader offers plenty of lashing possibilities: 16 lashing mushrooms, each with a tensile force of 10 tonnes, are recessed in the top and sides of the outer frame, 12 of which are distributed on the low-loader bed, 4 on the cranked section. In addition, there are 10 ring lashing eyes with a tensile force of 5 tonnes each in the outer frame, which can be converted into stanchion pockets. Two folding lashing eyes with

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10 tonnes of tractive force each are additionally embedded in the low-loading area, two more on the crank and another two behind the last axle.

Axles

The drum brake axles with dual tyres come from SAF and are laser-measured as usual at Fliegl - this ensures low tyre wear and reduces fuel consumption. An axle load display is required for air-suspended vehicles when applying for an exemption permit according to §70 StVZO, which is often necessary for heavy goods transport; on the VTS 400, the EBS Canbus signal supplies the axle load to a display in the driver's cab. The air suspension can be operated separately on the front and rear axles.

Safety and lighting

Of course, the trailer is equipped with the prescribed safety markings: these include contour markings with white reflective stripes at the sides and red at the rear, a warning sign in accordance with ECE 70 and an LED rotating beacon at the rear. Two further LED-illuminated warning signs at the rear can be extended to a width of 3 metres. The rear splash flap also extends over the entire width of the vehicle, and half-shell mudguards are used in front of and behind the first two axles.

The comprehensive LED package consists of multi-chamber rear 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 retractable warning signs are doubly illuminated with LED.

The most important at a glance

- Low loader trailer with 4 axles on 12 m overall length; length of low loader platform incl. Tail slope 7.15 m
- Payload: 30,500 kg, unladen weight: 9,500 kg
- Loading area in the drop deck can be widened to 3 m with planks
- 70 mm thick softwood floor for optimum coefficient of friction
- Air suspension with axle load display for application for exemption according to § 70 StVZO

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- Galvanised steel ramps, 2.8 m long, 75 cm wide; can be raised, lowered and moved hydraulically
- Wheel troughs 40 and 30 cm deep, can be covered; excavator trough 1.8 m long, 65 cm wide
- Various LaSi options with ring lashing eyes, lashing mushrooms, folding lashing eyes

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

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