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Press release from March 11, 2025

## **Efficient, light, robust - the Revolution tippers from Fliegl**

*With the DHKA 350 "Revolution" tipper semi-trailer from Fliegl, contractors earn more money from the very first journey - thanks to up to 1000 kilograms more payload and a lower unladen weight.*

Saving fuel is more important than ever, and it is almost impossible to avoid frequent empty runs with construction vehicles, for example on the way back from a construction site. Therefore, in addition to a high payload, a low unladen weight is particularly important. The DHKA 350 Revolution tipper semi-trailer offers both: Fliegl achieves a payload of 31,000 kilograms with an unladen weight of just 4,000 kilograms with the vehicle on display. Depending on the equipment, an unladen weight of less than 4,000 kilograms is even possible - a record in the industry!

### *Lightweight construction and efficiency*

The lightweight chassis with patented curved front end rolls on polished aluminum rims, the side walls of the aluminum body are made of 30 millimeter thick hollow chamber profiles and are only 1,450 millimeters high in the 25 cubic meter version. This means that the tipper trailer is lower than the cab - which also ensures lower air resistance, as does the flip-top sliding roof. When the roof is closed, the airstream no longer catches on the tailgate when the body is empty, which is also curved and reduces air resistance. Low rolling resistance, low fuel consumption and less tire wear are ensured by the axles, which are laser-measured and precisely adjusted at the factory.

### *Trough and details*

The clever details of the tipper semi-trailer are impressive in everyday use: thanks to the special integrated mudguards, any spilled bulk goods fall straight onto the floor during loading - and not onto the road later. The conical and aerodynamically shaped Greenline recesses are 5 centimetres wider at the rear than at the front so that no load gets stuck; thanks to the rubber seal, the membrane flap is virtually watertight, ideal for damp bulk goods. The double-joint hinge facilitates tipping by opening the tailgate particularly wide. Thanks to the electric drive, there is no need for tedious manual

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Opening and closing the roof, the driver can operate the flip-top sliding roof either directly on the trailer or by radio remote control.

If the tractor's drive axle loses traction on wet, muddy construction sites, the starting aid comes into play: the first axle is designed as a lift axle, which can be raised up to 30 percent above the axle load. From a speed of 25 km/h, the axle automatically lowers again. Disc brake axles are used.

### *Security*

Good lighting to greater safety, and not just in the darker months of the year. Two LED headlights at the rear illuminate the rear working area; the multi-chamber rear lights with dynamic indicators, side marker lights as well as position and lane departure lights are also fitted in LED design. The aluminum hook-on ladder with "safety plus" also ensures greater work safety.

### *Longevity*

Robustness counts in tough everyday construction site conditions, and Fliegl proves that lightweight construction and durability are not mutually exclusive: The 5 millimeter thick aluminium plates of the skip are particularly light, but with a hardness of 110 Brinell, the surface is very hard and abrasion-resistant - this ensures low wear even with abrasive goods.

Fliegl offers a 10-year warranty against rusting through of the frame. Fliegl is the only vehicle manufacturer to also keep an eye on the air suspension mounts; they are located at the lowest point of the vehicle and are permanently exposed to dirt and moisture in everyday construction site use. Thanks to hot-dip galvanizing of the air suspension arms, nothing stands in the way of many years of operation.

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## The most important facts at a glance

- Up to 1,000 kg more payload and less than 4,000 kg unladen weight, depending on variant and equipment
- Curved chassis made of hardened steel, combined with lightweight aluminum trough
- Conical aluminum trough, only 1,450 millimeters high (25 m3 version)
- Galvanized air spring mounts with 10-year anti-rust guarantee
- Electric flip-top canopy
- Tire pressure monitoring system according to ECE R 141
- Membrane tailgate with double-jointed hinge, clamping screws, rubber seal
- Stone-repellent integral mudguards

**Fliegl exclusive:** Every single axle of every trailer is precisely adjusted in the factory using a modern laser measuring system. As a result, the run with absolute tracking accuracy, have no more unnecessary tire wear and offer lower fuel consumption. Trailer efficiency defined by Fliegl. From the roof to the wheels: Vehicle concepts thought through to the end.

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Fliegl Fahrzeugbau GmbH

INNOVATING FOR YOU - More than just a slogan

The company was in 1991 by Helmut Fliegl in Triptis/Thuringia. On the site of a former agricultural repair plant for axles and steering systems, one of the largest series manufacturers of commercial vehicles in Europe has since developed. With the opening of "Plant II" in 2005, one of the most modern production facilities for curtainsider semi-trailers, container chassis and tipper semi-trailers was into service. The product capacity in Plant II - combined with extremely short production times - guarantees that Fliegl can successfully market its products throughout Europe as a high-volume manufacturer. At the same time, the modern production facilities in "Plant I" ensure that special vehicle construction or custom-made products can continue to be manufactured reliably. The entire company is based on a sustainable product philosophy. Electricity is generated via photovoltaics and a combined heat and power plant, with any surplus being fed into the public grid. Thanks to these and many other measures - energy efficiency in the paint shop, complete LED lighting, use of recuperation in the high-bay warehouse - the company was the German Sustainability Award in 2016. The complete

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The Fliegl Fahrzeugbau GmbH offer is available online around the clock at [www.fliegl-trailer.de](http://www.fliegl-trailer.de).