

Double Deck Trailers



Independent wheel suspension for
extra load capacity



Winning advantages

By installing an independent wheel suspension, the space surrounding the wheels is put to good use, leading to 60% greater load capacity in combination with a second cargo floor.

The demand for more efficient transport solutions is greater than ever before. Increasing costs, stricter emissions requirements and higher demands on current infrastructure have resulted in a demand for higher capacity transportation equipment. On the other hand, the available infrastructure and current legislation do not permit transport with longer vehicles (everywhere). The double deck trailer offers an enormous increase in capacity within the permitted standard dimensions. For that reason, the concept has already been successfully implemented in areas such as food distribution, post and package delivery, the transport of clothing and appliances, retail distribution and livestock transport.

Benefits

The number of transport movements is noticeably reduced, as two double deck trailers carry as much goods as three conventional trailers. The double deck trailer is one of the most sustainable means of transport, providing significant cost savings.

- 60% more load capacity
- 39% fewer transport movements
- >40% CO2 emissions reduction
- >30% operational cost reduction
- High vehicle stability and safe for cyclists
- Easy to install
- Low maintenance
- Cargo-space height between 1.80m and 1.85m

Number of units based on a 3-axle trailer of 13.6m:

	Conventional trailer	Double-deck trailer	+60%
Block pallet	26	41*	
Euro-pallet	34	50 – 54*	
Trolley 790 x 720mm	52	80 – 85*	

* Depending whether the trailer is rigid or steered





Winning technology

TRIDEC supplies two types of independent air suspensions:

HF-O

Steered version for maximum loading volume combined with outstanding manoeuvrability, available in 2 and 3 axle variants, steering 2 axles.



LV-O

Non-steered version for maximum loading volume, available in 1, 2 and 3 axle variants.



Installation & maintenance

Installing the system is simple and quick thanks to TRIDEC's fully galvanised, bolt-on wheel box construction and pre-mounted main components.

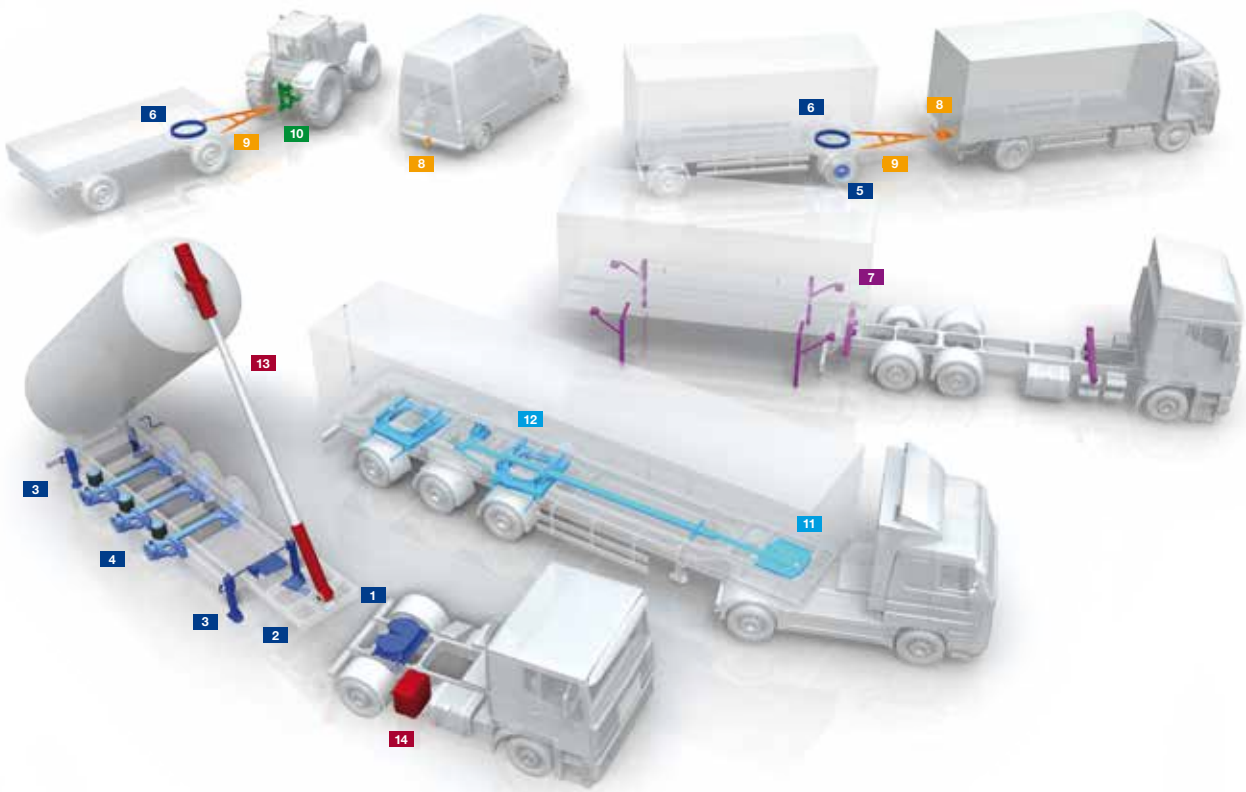
Maintenance is kept to a bare minimum, thanks to the use of high quality materials, rubber bearings and 'sealed for life' constructions. Periodical greasing is restricted to a limited number of centrally positioned greasing points. The galvanised wheel boxes and KTL-treated suspension offers outstanding corrosion protection.

More technical information on the LV-O and HF-O systems can be found at

www.tridec.com

Trailers fitted with original TRIDEC steering systems and suspension offer the best option when it comes to safe cornering. These are often copied but never match to the TRIDEC quality standards. With solid and innovative solutions TRIDEC is the market leader for steering systems. Its reliability is demonstrated by over 50,000 systems delivered worldwide. Part of JOST-World. You can rely on TRIDEC.

Would you like to know which system is most suitable for you? Then please contact us. Due to the most comprehensive product range you can rely on TRIDEC to give you the best advice for your individual application.



JOST



- 1 Fifth wheel couplings and systems**
2" and 3 1/2" fifth wheel couplings in a variety of construction heights, bearing types and versions, mounting plates, sliders and dual-height fifth wheel systems; sensor-controlled systems for the coupling procedure between truck and trailer



- 2 King pins**
2" and 3 1/2" king pins with a conical or plate-shaped flange



- 3 Landing gears**
Landing gears with variable bolting heights, crank handles, connection shaft-lengths and foot types, special landing gears for special applications



- 4 Axle systems**
Weight-saving trailer axles with various special equipment for a wide range of uses



- 5 Hubodometers**
Used to calculate distance driven, independent of the truck



- 6 Ball bearing turntables**
Ball bearing turntables and slewing rings in a wide range of sizes and versions



- 7 Container technology**
Components for intermodal transports, supports, twist locks and bolsters, swap body lifting devices, guide roller bearings and bearings

ROCKINGER



- 8 Road traffic**
Open-end, hook and ball towing hitches, suspension elements, VARIOBLOCK alternating system and special models



- 9 Drawbars and towing eyes**
Drawbars and towing eyes as well as custom-made products for on and off-road usage



- 10 Agriculture**
Open-end, hook and ball towing hitches, height adjustable brackets and clutch carriers for agriculture and forestry

TRIDEC



- 11 Steering systems**
Axel-independent or manufacturer-independent mechanically, hydraulic and electronically controlled steering systems for trailers



- 12 Axle suspensions**
Air suspension or hydraulically suspended axle suspensions for on and off-road usage

Edbro



- 13 Vehicle-mounted hydraulic systems**
Front end, underbody and tipping ejector cylinders for trucks and trailers/trailer tipper



- 14 Customer-specific hydraulic component kits**
Hydraulic component kits for various applications, chassis-specific hydraulic container component kits

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