

VSE

I M S

GROUP



ELECTROHYDRAULIC STEERING SYSTEM FOR TRAILERS

THAT STEERS UP TO 3 AXLES ON YOUR TRAILER

V | S | E

VSE STEERING SYSTEMS

VSE offers various types of electrohydraulic steering systems for trailers to create optimal maneuverability without sacrificing additional load capacity. Due to the minimum installation space and the large weight advantage compared to the mechanical systems, you save up to 500 kg and more! It gives trailer builders the ability to offer unique trailer concepts to hauliers, transport companies enabling them to get the most out of their trailer.

An electrohydraulic steering system is a future-oriented solution that will also soon deliver a return on your investment. Why? Because VSE uses software, our steering systems achieve an ideal steering angle, so the trailer with greater load capacity can reach places that were previously inaccessible. Because the system takes up very little installation space and is no less than 500 kilos lighter than most mechanical systems, you make significant savings on fuel while retaining optimal loading capacity.

WHY STEER?

The roads are getting busier and busier, the number of traffic circles is increasing and many business parks are difficult to reach. Because sustainability and cost savings are becoming increasingly important themes, people want to work as efficiently as possible. With an electrohydraulic steering system from VSE, you can get to places that were previously difficult to reach, without sacrificing loading capacity.

VSE steering systems steer so precisely that a trailer can be made just as maneuverable as a rigid truck. This makes it possible to boost load capacity by replacing a second rigid truck with a trailer equipped with VSE Steering.

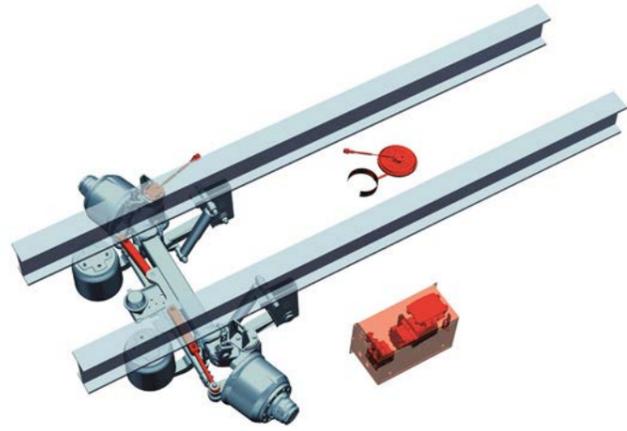
An additional advantage of a steered trailer compared to a non-steered trailer is savings on fuel and tires. Reduction on tire costs can be as high as 400%!



WHY VSE?

- ✓ Cost savings
- ✓ Design freedom
- ✓ Optimal manoeuvrability
- ✓ Brand-independent
- ✓ Low installation
- ✓ Lightweight

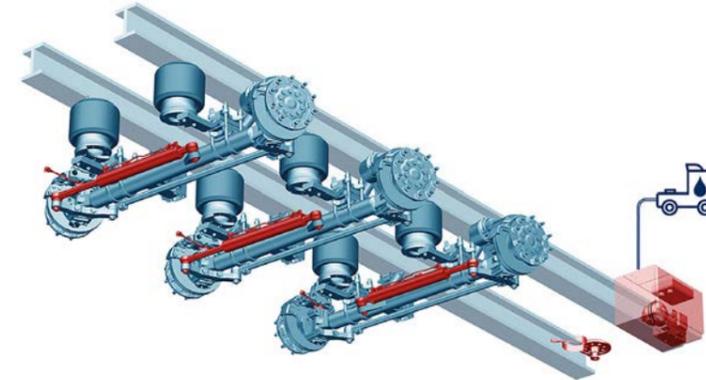
THE DIFFERENT VSE STEERING SYSTEMS



VSE SMART STEERING

VSE Smart Steering is an electrohydraulic steering system that allows a self steer axle to be steered active during forward and reverse driving of a trailer.

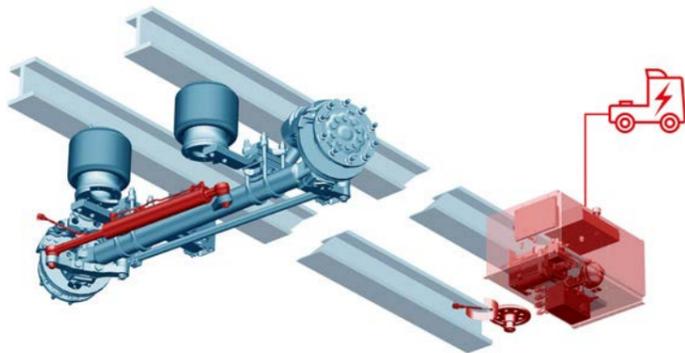
- ✓ System weight without axle 40 kg
- ✓ Suitable for one self steered axle
- ✓ Can be retrofitted



VSE SPECIAL STEERING

VSE Special Steering is an electrohydraulic steering system that uses a pump driven by the truck's engine. The system is particularly well suited for applications where the trailer is always used with the same truck.

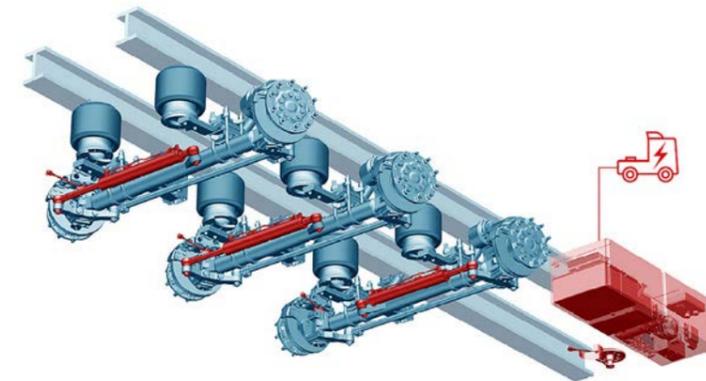
- ✓ The system weighs between 80 and 190 kg
- ✓ Various versions available, for up to three self steered axles



VSE BASIC STEERING

VSE Basic Steering is an electrohydraulic steering system with an electrically driven pump.

- ✓ standard system for trailers with up to three axles and one self steered axle
- ✓ The system weighs 160 kg

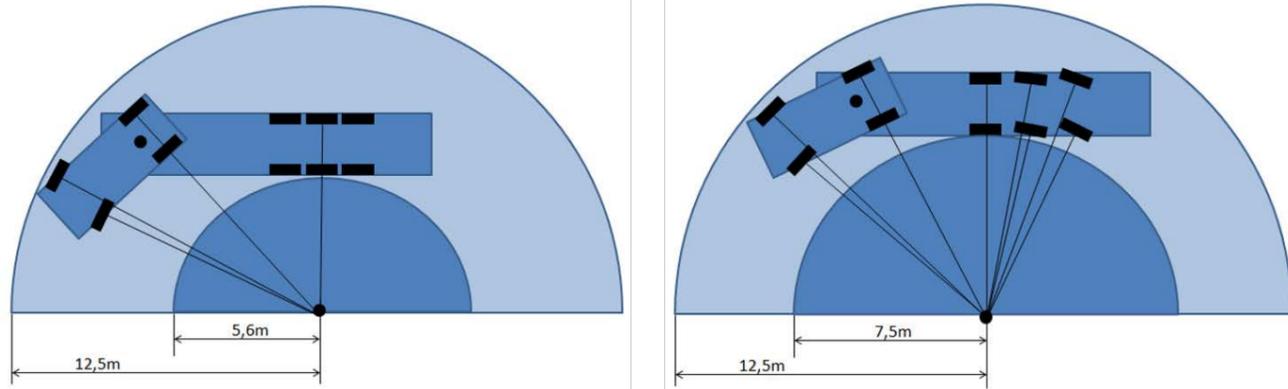


VSE ADVANCED STEERING

VSE Advanced Steering is an electrohydraulic steering system with an electrically driven pump.

- ✓ Various versions with 1, 2 or 3 self steered axles
- ✓ The system weighs between 160 and 470 kg

CUSTOMER-SPECIFIC SOLUTIONS



TAILOR-MADE SOFTWARE

Based on the vehicle drawing, custom software is created. The kingpin with special sensor transmits the steering angle, after which the software determines the optimal steering angle for the trailer axles.

UNIQUE POSSIBILITIES

VSE also offers various options for extendable trailers. The software is capable of automatically adapting to the extended length of the trailer.

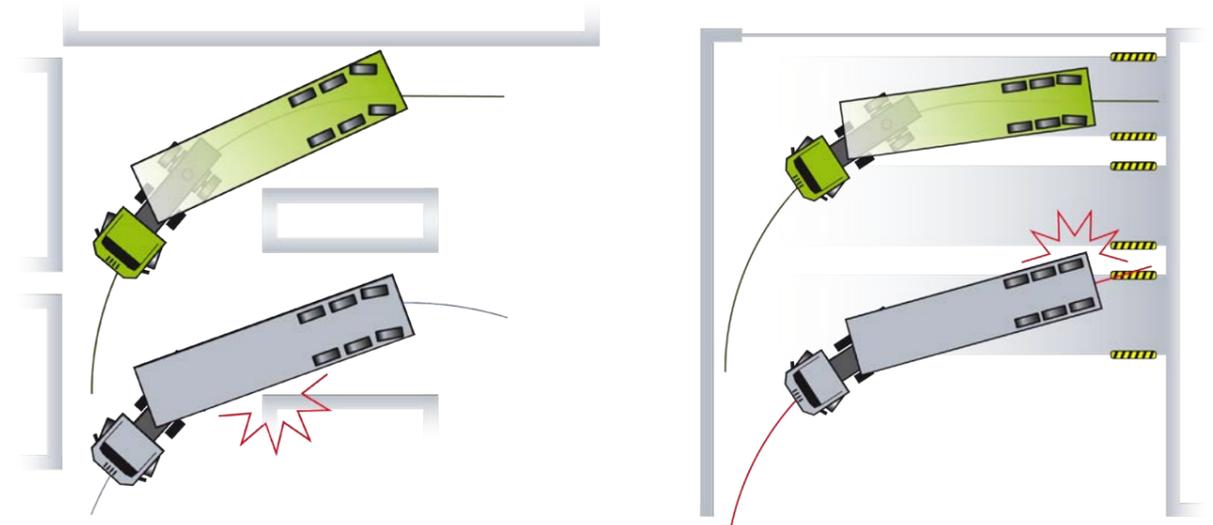
REMOTE STEERING

With the special and advanced steering systems you have the option to order a wireless remote control.

MAINTENANCE-FREE

VSE steering is more or less maintenance free. Lubrication points are not required. The trailer steers clear of play, even in the long term, without major renovations.

WHAT DOES VSE SMART STEERING OFFER?



VSE Smart Steering is the new steering system that enables a self steer axle to steer in reverse in a straightforward manner. In addition, VSE Smart Steering improves the performance of the self steer axle during forward steering.

The big advantage is that it is now possible to make a trailer with a self steer axle more efficient and suitable for a broader range of loading and unloading situations. After all, the rear axle no longer has to be set to a fixed position when driving in reverse.

In addition, with a self steer axle you can reach multiple locations without maneuvering. This saves you a lot of time and provides more options at loading and unloading locations!



THE BENEFIT FOR YOU AS A CARRIER

- ✓ **Cost Savings**
Save on fuel, tires and additional vehicles
- ✓ **Durability**
Improved loading and unloading times with a trailer fitted with a self steer axle!
- ✓ **Improved performance**
Steering performance is independent of road condition and axle load. This is because the self steer axle is actively steered.
- ✓ **Can be retrofitted**
The system can also be added on later!

OPTIONS

Because VSE systems are available as both standard and made-to-order solutions, the systems can be integrated into any truck, bus or coach, special vehicle or trailer.

VSE also utilizes the latest technologies, and because the systems are controlled electronically they are future-proof!

The VSE service network is available 24/7.

Would you like to know more about the possibilities? Ask your account manager for more information.



ENGINEERING SERVICE

At IMS Group, we always aim to provide the best and that is why we only supply premium brand products. But we go one step further than that: our R&D department works with trailer manufacturers to design smart technical solutions that will really make a difference.

The experienced service technicians of VSE offer support to both trailer builders and end users. This can be done by phone or on-site.

MORE INFO

For more information, please contact our steering systems team at salestrailersystems@group-ims.com or call +31 342 497 881.

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