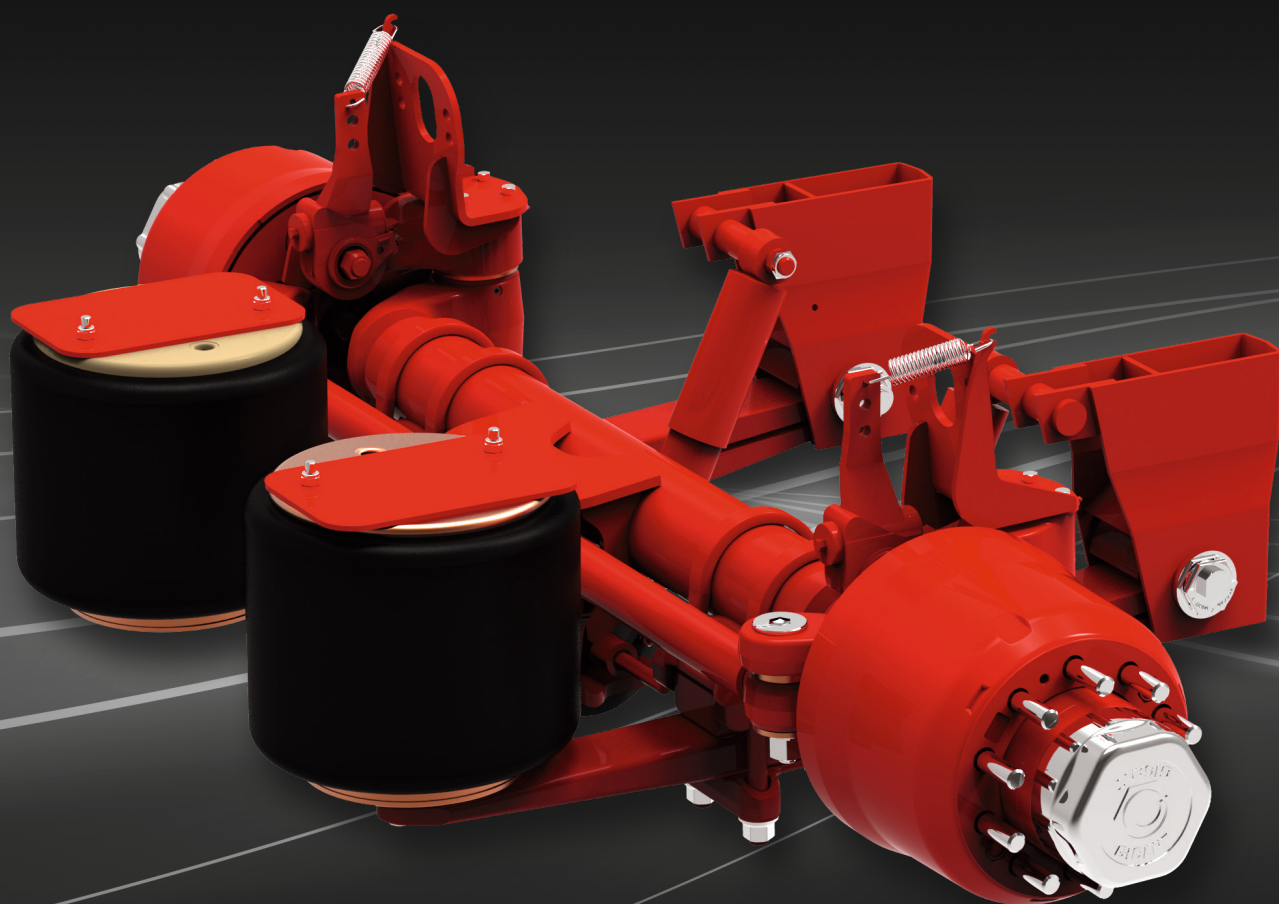


Heavy Duty Axles

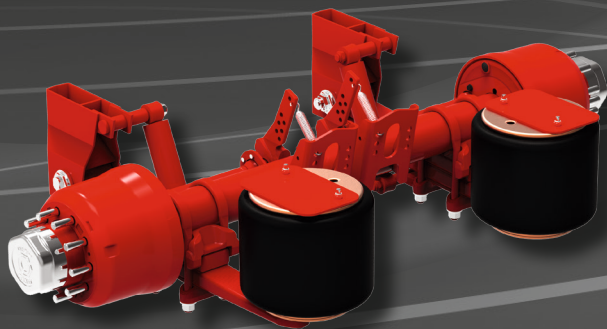


Increased payload and axle load.
Faster maintenance.
Higher availability

gigant 
trailer axles

Heavy Duty Axles for every demand

Axle loads ranging up to 12 t



06
Low-bed trailer axle



07
Low-bed trailer axle
with self steering

Increased payload and axle load.

gigant heavy duty axles are designed for extreme use in the low-loader and heavy duty transport applications. The **extremely robust construction** permits axle loads of up to 12.0 t. The rigid trailer axle can in exceptional circumstances be loaded up to 13.0 t.

At the same time gigant axles are one of the **lightest axles on the market**. For the user, this means reduced weight when empty and increased payload.



Faster maintenance.

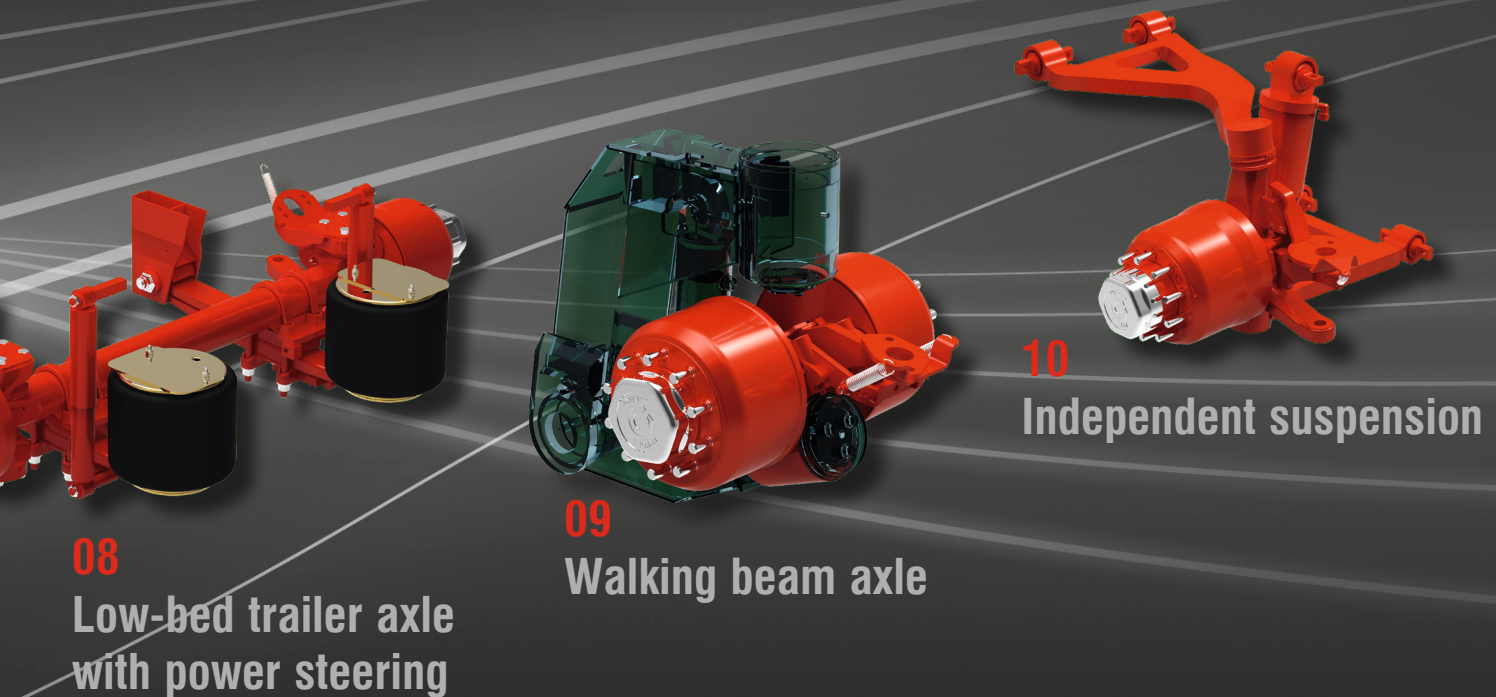
All major components of the gigant axles are designed for **maximum serviceability** with the minimum amount of maintenance. All wheel bearings are maintenance-free.

With gigant axles, **disassembly of the wheel bearing is not required** for the changing of brake linings. The proven PROTEC brake provides **fast and easy brake lining replacement** without the need for special tools.



Higher availability.

All gigant heavy duty axles are **effectively maintenance free**, requiring minimal lubrication and no adjustment. For example, the wheel bearing is a **completely maintenance-free compact bearing**. Therefore saving time, labour, cost and ensuring reliability - at all times.



08

Low-bed trailer axle
with power steering

09

Walking beam axle

10

Independent suspension

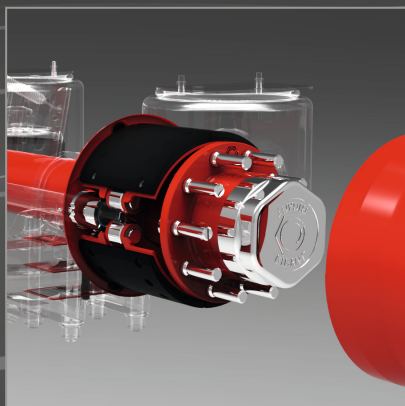
gigant 
trailer axles

Quality made in Germany

gigant: Axles from Dinklage/Germany

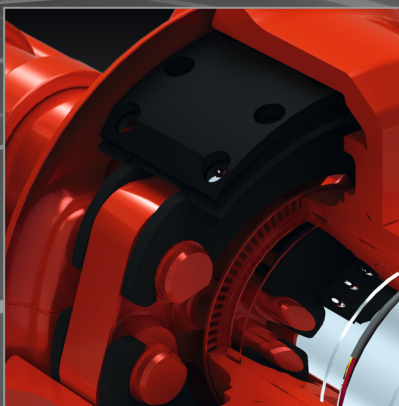
For over 35 years, gigant products have been produced at the parent plant in Dinklage, Germany. Here we have all departments and required facilities under one roof: development, design, testing, production, service, delivery and management. Qualified professionals with years of experience and technical expertise are the basis for the highest production quality. In addition, material, component and functionality tests are continually performed as part of our comprehensive quality management program.

Drum in front of the hub Easy to service



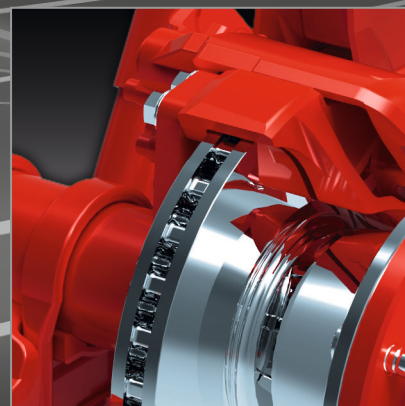
gigant's main focus is always toward service friendly products. Even with the heavy-duty axles, the drum in front of the hub is the standard format. Therefore, the changing of brake linings is very simple and extremely quick because there is no requirement to touch the wheel bearing.

PROTEC-brake Brake pad replacement made easy



Heavy Duty drum-braked axles from gigant are equipped with the proven service-friendly PROTEC drum brake. One of the great advantages is that brake lining changes only takes seconds and there is no requirement for special tooling.

Disc or drum The customer has the choice



The low-bed trailer rigid axle and the self steering axle for 19,5 " wheel connection are now available with disc brakes. This has been achieved using a tyre size 255/60 R19, 5, resulting in the same low ride height as the 17.5-inch axle. Advantage: higher load resistance, less wear.



Eccentric Bush

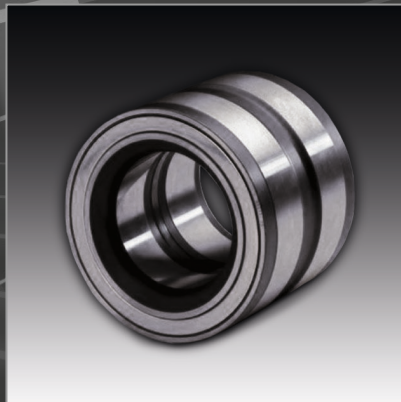
Always the right track



With the gigant eccentric bush, the setting of the axle track is quick and easy. Optimised track adjustment significantly reduces rolling resistance and tyre wear. For more than 40 years the proven gigant eccentric bush technology has guaranteed, even after many years of use, the confidence of reliable adjustment.

Compact Bearing

Compact, proven, maintenance-free



Every gigant heavy-duty axle is equipped as standard with completely maintenance free compact bearings. The maintenance free bearing saves time, effort and cost, whilst providing extended bearing life without requiring adjustment. gigant guarantees the compact bearing for up to 600 000 km within Europe.

Friction Welding Technology

Weld seams for more safety



The solid and durable axle body is the basis for a long service life. High-quality materials and a special compensation of the stub axle are the basis of an axle that you can rely on completely.

Low-bed trailer axle

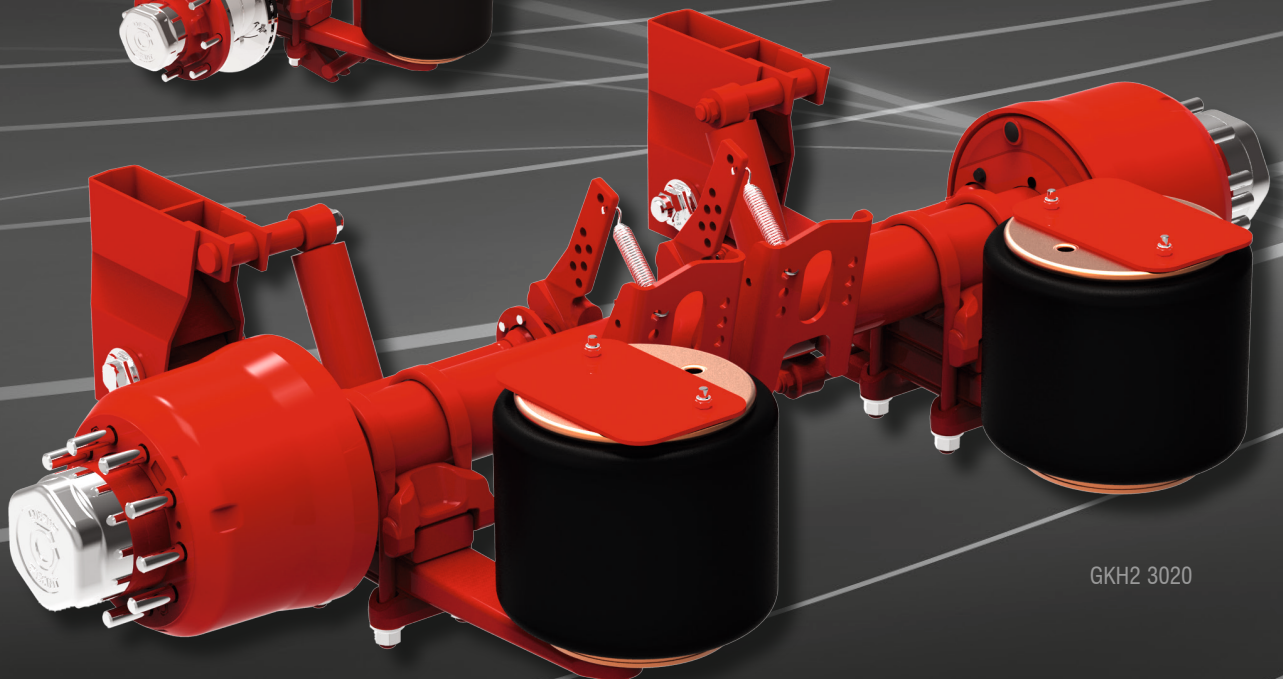
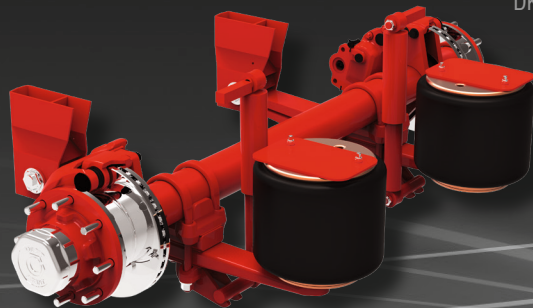


The low-bed trailer axle GKH2 3020 is a rigid axle designed for wheel sizes from 15 inch to 19.5 inch. This enables **very low profiles** with axle loads of 10.5 t to 12 t.

The giant low-bed trailer axle GKH2 3020 is suitable for all heavy duty and low-bed trailer applications where steering is not a requirement. A wide range of axle tracks and wheel size options allow for the axles to be used in a wide variety of applications and different trailer

constructions. The GKH2 3020 meets the toughest demands for **robustness and reliability** and can serve up to 13 t raised capacity. For the rigid low-bed axle trailer, giant are available to offer the 19.5 wheel model in **drum or disc brake** format.

DKH2 3745



GKH2 3020

Low-bed trailer axle with self steering

With the GNKH2 3020 giant have in their program a **robust and compact** self steering axle for axle loads of 10.5 t up to 12.0 t.

Thanks to the compact design of the giant low-bed trailer self steering axle, the GNKH2 3020 can achieve a **steering angle of between 20 and 25 degrees**, depending upon tyre size and track. The setting of the axle track on the steering rod is simple and accurate by the use of an eccentric

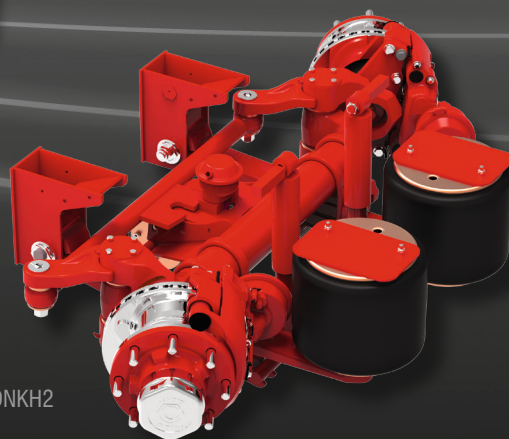
bolt. In addition, the giant GNKH2 3020 uses a stabilisation bellow as a load dependant stability system for optimal routing with minimal resistance. The giant self steering model for 19.5 inch wheel connection is also **available in disc brake version**.



GNKH2 3020



DNKH2



Low-bed trailer axle with power steering

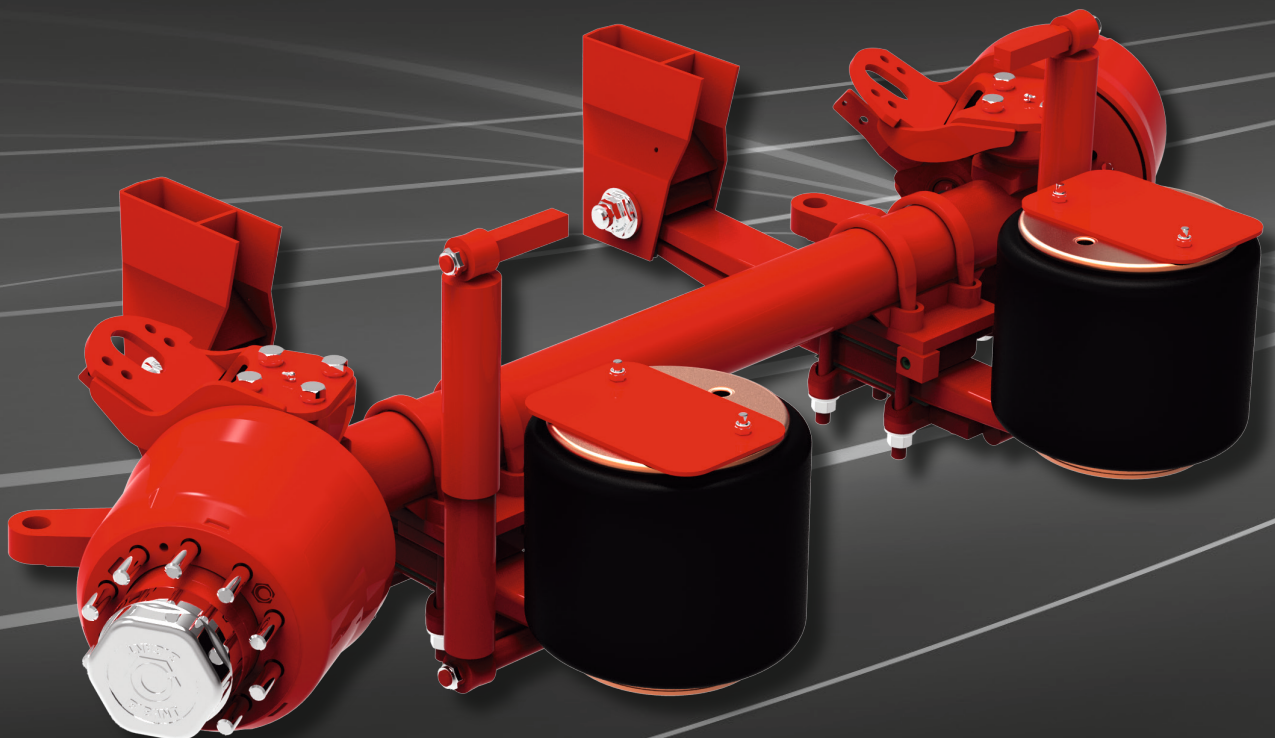


The giant GZK2 3020 is a trailer axle with power steering, designed for axle loads of 10.5 t up to 12.0 t. The GZK2 3020 **is common to all available steering systems.**

This power steered trailer axle has been specifically designed for use in low-loader and heavy-duty applications. The axle is available with an offset central body section with a displacement of up to 65mm. This results in **more variations**

of mounting, increased space as well as the possibility of a **larger steering angle**. The giant GZK2 3020 is available for wheel sizes 15 inch, 17.5 inch and 19.5 inch.

GZK2 3020

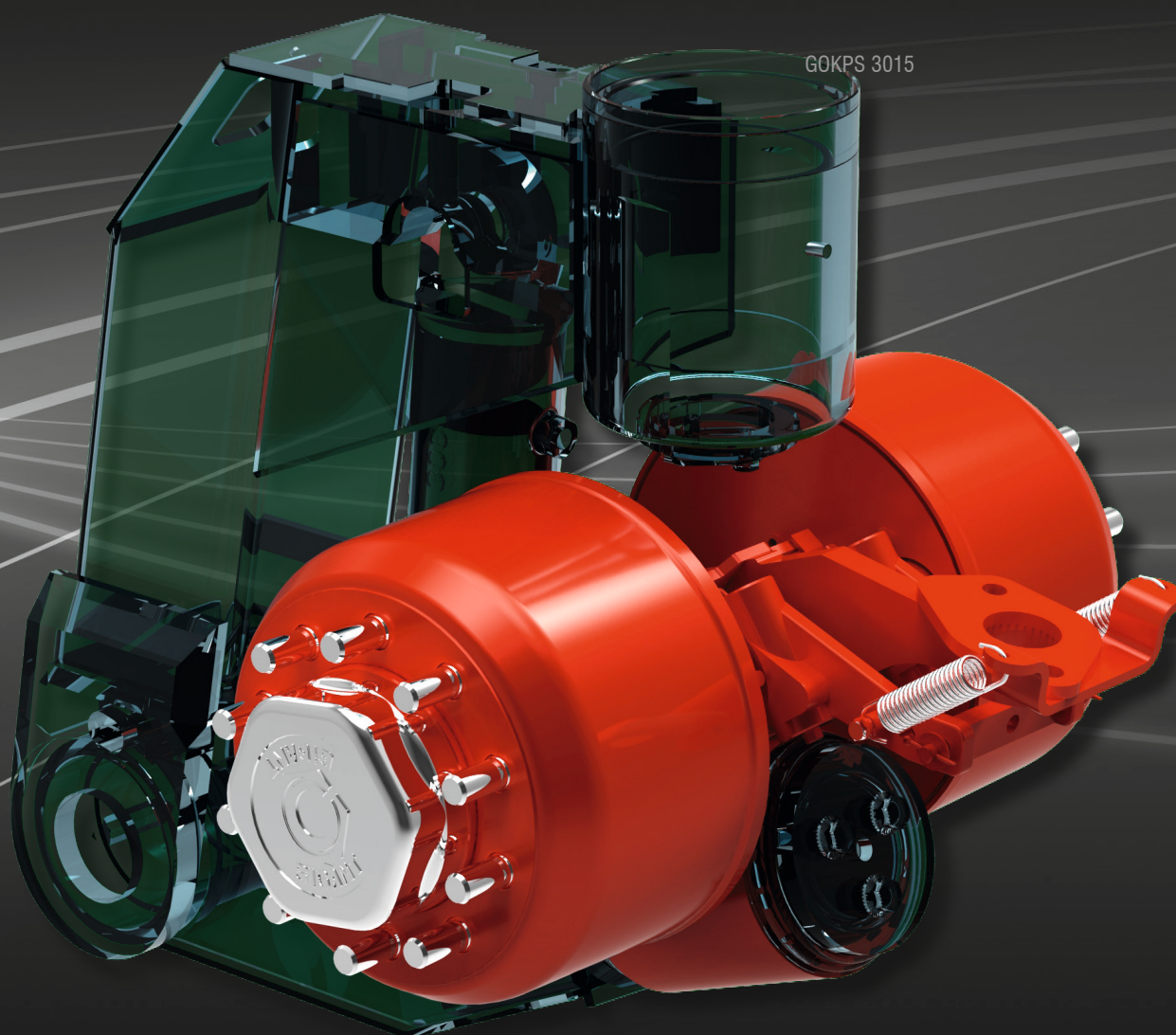


Walking beam axle

The gigant walking beam axle GOKPS 3015 is specifically designed for hydraulically steered low loaders in the heavy duty multi-axle line segment. It is suitable for a number of different manufacturers of pendulum suspensions.

Walking beam axles in combination with hydraulic steering systems come into their own when used for heavy loads and extreme steering angle applications. With their **very compact design** and track width of only 495mm, the gigant walking beam axle GOKPS 3015 is the benchmark in this segment. The axle also creates additional free space, as an example for the low-bed or other

restrictive design requirements. Furthermore, it is characterised like all gigant axles particularly by **low maintenance**, service friendliness and **robust construction** thanks to the mono-bloc axle beam design. **Maintenance free** compact bearing and the gigant standard construction of drum in front of the hub for easy brake lining replacement are also used here.



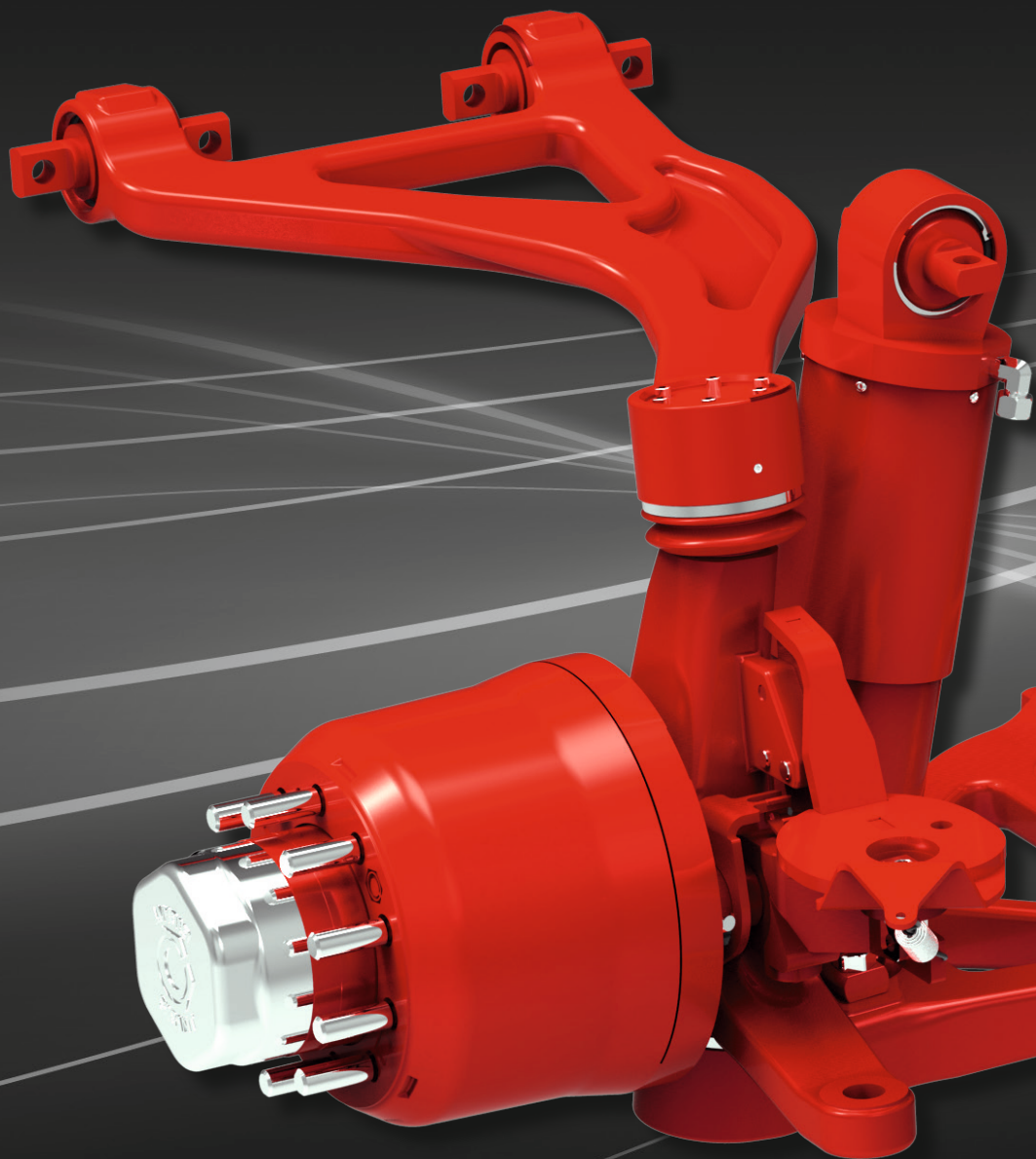
Independent suspension

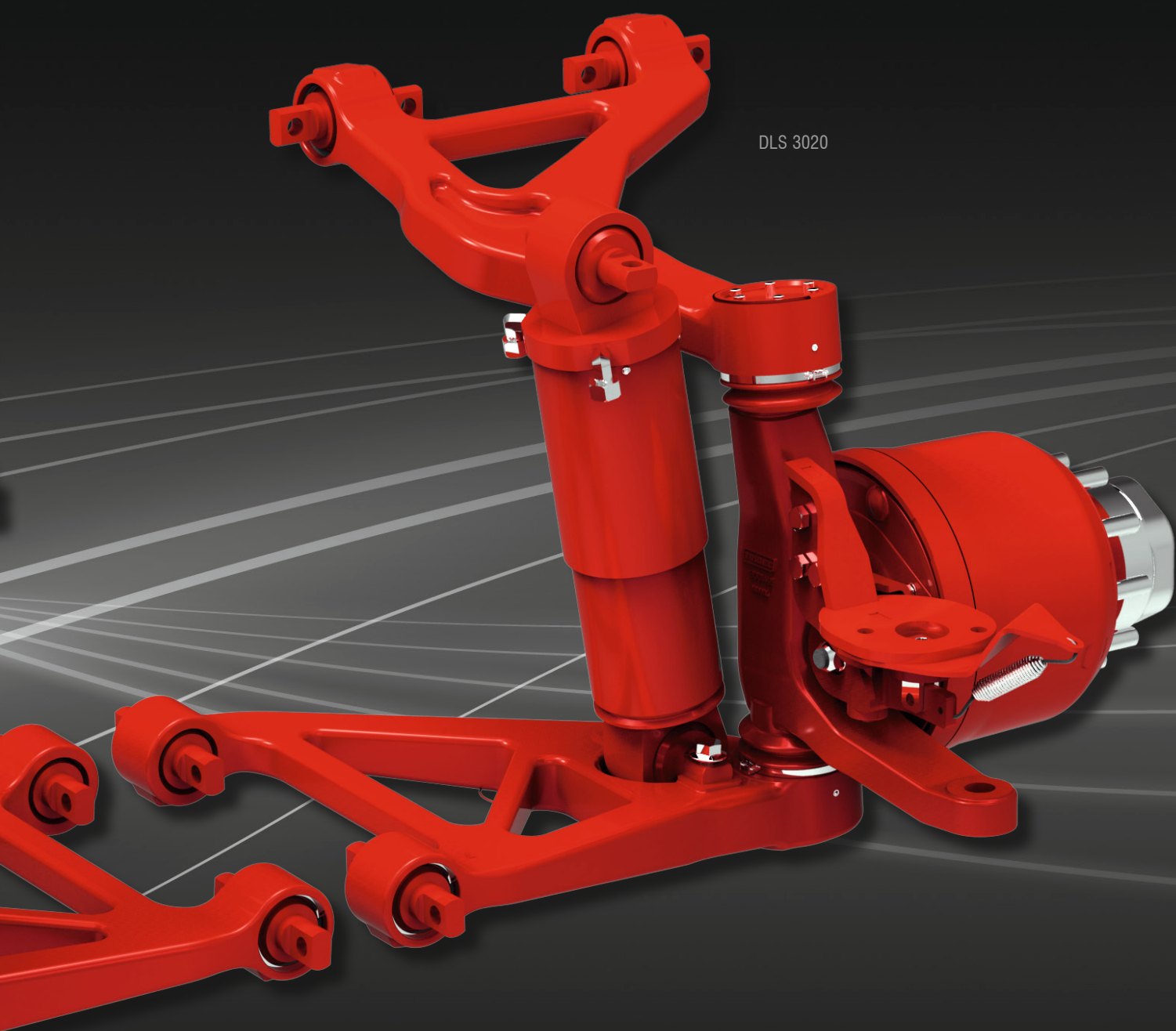


The independent suspension DLS from gigant offers a new dimension in driving comfort, safety, construction space and steering characteristics within the low loader segment.

The new independent suspension DLS (Dual Lever Suspension) was specifically designed for use in flatbed trailer applications. Thanks to the double arm wishbone and hydraulic suspension with 300 mm travel, gigant sets the standard in **ride comfort and driving safety**. The space-saving design allows a **steering angle of up to**

57 degrees and **increased construction space** between the wheels by up to 650mm. With only **675 kg net weight** for the independent suspension, gigant DLS is by far one of the lightest systems on the market. gigant DLS is available for axle loads up to 12.0 t.





DLS 3020

gigant – Trenkamp & Gehle GmbH is a medium-sized familyowned company which began producing parts for mechanical suspension systems in 1953. In the 1990's, gigant's focus shifted on axles for low-loaders as well as steering and swing axles.



Today around 150 employees work in administration and production in Dinklage in the Oldenburger Münsterland (Germany) – expansion is on the cards. Since 2013 gigant – as a legally independent company – has been a member of the Krone Group.

This has opened up new opportunities for gigant, particularly in customer care, service and production.

The traditional and strongest product range of heavy-duty and low-loader axles is still maintained by gigant as well as the light axle segment with axle loads from 5.5 t. gigant axles are suited to the heaviest possible tasks thanks to their sturdy design and construction.

The special axle business always requires specialised know-how – here the service must be first-class and the quality must match too. Each product is specially designed to meet the customer's requirements and the use to which they will be put. This means that it is tailor-made from just one cast.

In addition, the supply of spare parts is also particularly important. The comprehensive gigant service network is just as reliable as the gigant axles and their spare parts. There are more than 700 service support points available across Europe for gigant's customers. All of this makes gigant a reliable partner.



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