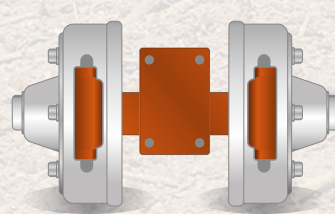
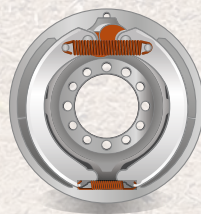
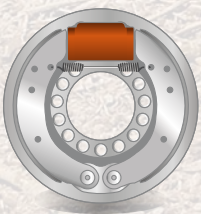


Trailer systems

AGRICULTURE



KNOTT Trailer systems
Individually tailored to your needs



Every project is special. Everything is from one source.

Research, development, manufacturing, logistics. This all takes place under one roof at the **KNOTT plants in Eggstätt and Regensburg. What does this mean for the customer? The answer is simple: highest quality, short decision-making channels – and a show of competent expertise right from the start.**

In agriculture too, the principle of 'greater, further, faster' holds true. Large machinery for bigger working areas and tracks – and done as quickly as possible. For the farmer as well as the developer and manufacturer, there is a need for just the right machine to do the job. And these demand increasing amounts of technology, are becoming increasingly heavier, need ever greater power, and make even more demands than before. This is never more true than in the world of braking systems.

360° know-how – in all fields

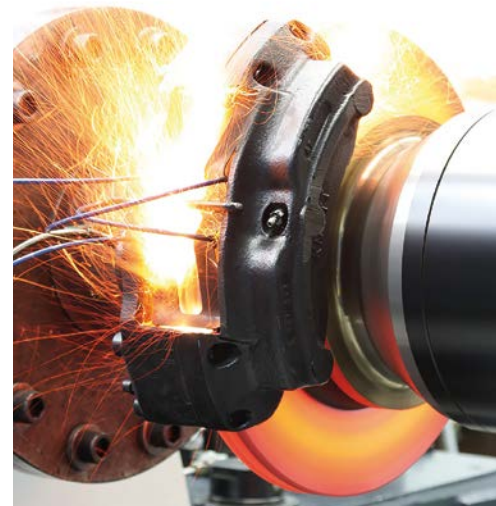
KNOTT has decades of experience in the production of trailers, axles, and brakes. It is the customer who reaps the benefits. Because we deliver just the right solution and meet all your demands. And we listen closely to what your customers have to say.

From the brake itself to the entire braking system – including the actuation system. This includes not only inertia-braked but also power-operated brakes (compressed air or hydraulics).

Strict and thorough testing – for braking power and service life

Research and development are inseparable at KNOTT as we manufacture brakes and axles. And because we have always set our sights on special solutions, we know we are able to meet the most varied demands. To guarantee this we carry out manifold tests in house, our standard practice.

In short: with **KNOTT you are getting not just any solution that lies to hand. You are getting just the right solution for your needs! Safe, future proof – and made for you!**



"For every application the optimal brake. This is our philosophy at KNOTT. Which is why we draw on advice from throughout the industry. Thus we are able to develop individual solutions – from an individual component to a complete braking system. We are able to rely on our experience over many years, especially in the area of complex Type Approval processes. Test us out and you will be convinced. We make your brake! Worldwide!"

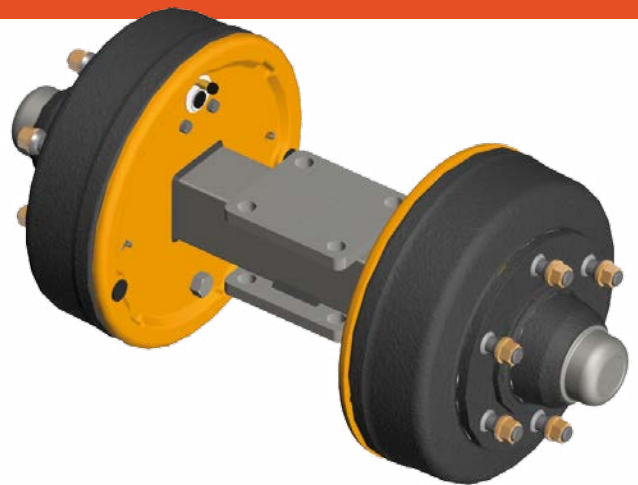
KNOTT sales team



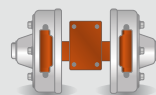
AXLES WITH HYDRAULIC SIMPLEX BRAKES 325x80

Complex demands and complete solutions

Wheels with a narrow track width. Designed for ever increasing speeds. Of course, there is a need to brake. In rough terrain as well as on the access roads, all challenges must be taken on!



What the customer needed:



How KNOTT responded:
an axle with hydraulic simplex brake

- A compact system that has to be incorporated within wheels with narrow track widths
- A robust system that will meet the demands of open fields
- A system that will work to the optimum in the smallest space

- A **compact design** that is incorporated within narrowly spaced wheels
- A **hydraulic system** that requires little space in the rims and allows enough clearance

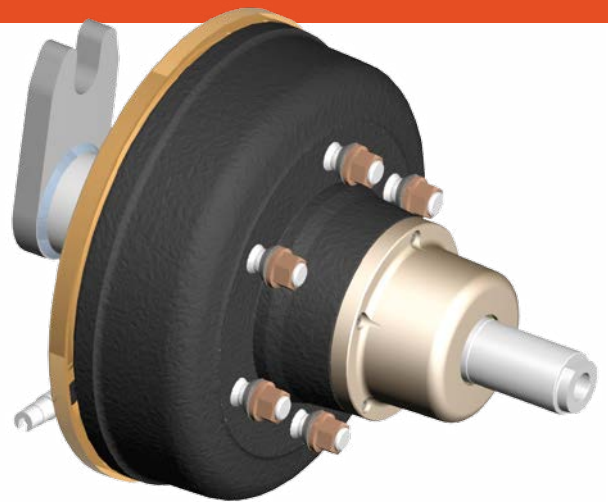
CONCLUSION: The KNOTT axle with hydraulic simplex brake is unbeatable in meeting these demands.



AXLE HUB AND STUB WITH HYDRAULIC SERVO BRAKE 300x60

Maximum performance in the smallest space

Minimal maintenance along with fewer costs means maximum time savings. This is a system that comes from a single supply source – ours of course – enabling customer demands to be met. And a few things more besides.



What the customer needed:

- A dirt-resistant axle system
- A continuous axle hub and stub



How KNOTT responded:
axle hubs and stubs
with hydraulic servo brake

- The complete axel stub is fitted with **additional seals for the bearings** and thus has optimum protection from external influences
- The axle is fitted with a **slack adjuster**

CONCLUSION: Where axles and braking competence meet, KNOTT is the ideal partner!



AXLES WITH S-CAM BRAKES 300x80

Maximum know-how for optimum axle loads

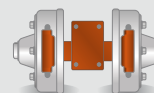
Where normal systems reach their limits is where we see our most attractive tasks. In order that the heavy shredder can be driven on public roads without a special permit, we have fitted it with additional retractable/extendable axles to ease the load on the two main axles. Exciting and quite do-able.



Steered front axle



What the customer needed:



How KNOTT responded:
an additional axle system
with s-cam brakes

- Two additional axles with brakes in order to reduce the load on the main axles whilst driving
- A braked axle that displays no weaknesses even under extreme forestry conditions
- An alternative to the flat cam brake that can deal with such high forces without any problem

- When the vehicle is travelling along the road, the **additional axles** reduce the load on the main axles
- A **high-tech flat cam brake** that can be used at relatively high speeds
- A brake that is better protected from all outside elements through the **optimum mounting position**.

CONCLUSION: Very close cooperation with the customer enables us to fully play to the strengths of both parties. An axle system with brakes – and one which finds no equivalent anywhere else!



TORSION AXLE WITH HYDRAULIC SIMPLEX BRAKE 300x60

A sawmill under its own steam – complete with compressed air hydraulic braking system



When one goes on a journey, one often brings back new ideas. This is as true for today as in the past. The manufacture of the 'mobile sawmill' drew inspiration from a trip to Canada. Thanks to its sophisticated technology it meets all possible braking requirements.



What the customer needed:

- A trailer- and braking system for towed weights up to 3.5 tons (inertia-braked)
- A trailer- and braking system for weights over 3.5 tons (air-braked)
- In addition: we offer the right compressed-air supply system for the towing vehicle. This enables the trailer braked by compressed-air to be towed

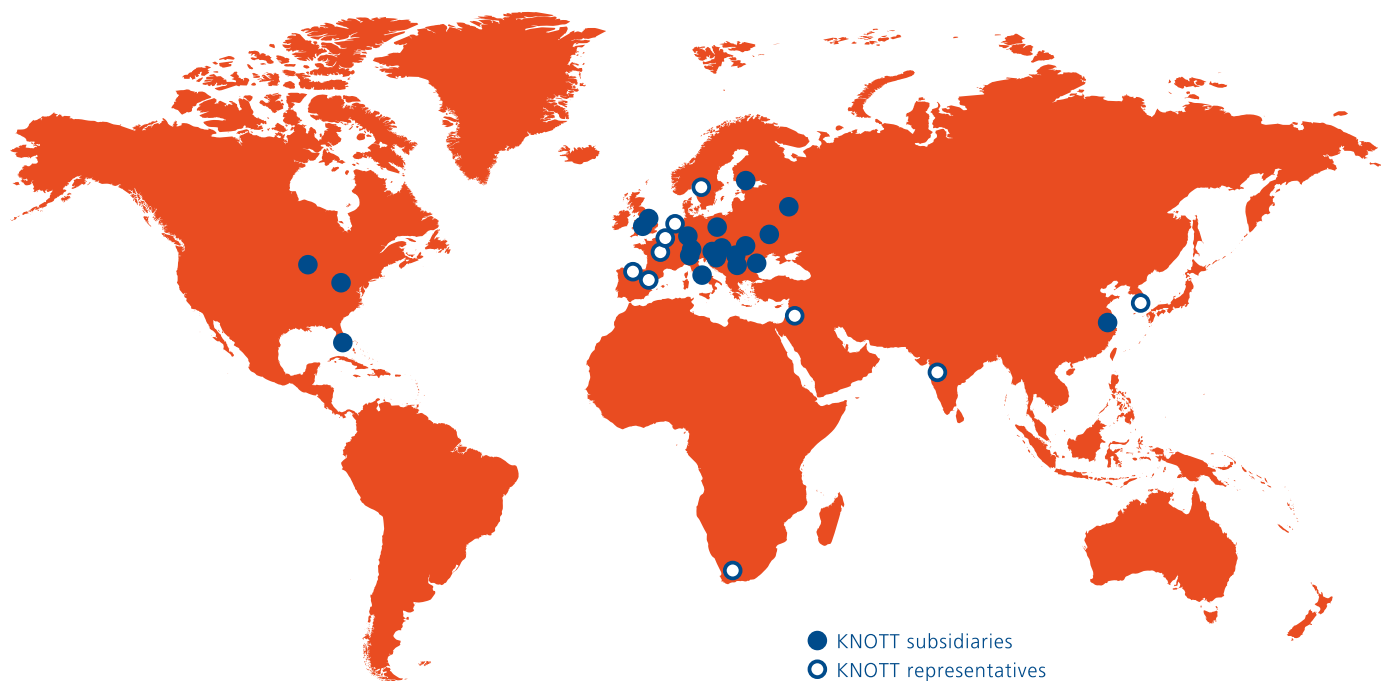


How KNOTT responded: a compressed air hydraulic braking system

- A classic **inertia-braked trailer system** that is more than enough for the standard sawmill (up to 3.5 t)
- An **air-braked trailer system** in order to meet the demands of additional optional equipment (over 3.5 t)
- An individual **compressed-air supply system** for the towing vehicle.

CONCLUSION: A great idea, a unique air brake system.

One that can of course be delivered as a modular system to meet individual needs.



The Knott Group – global competency

The member companies of the Knott Group design, develop, produce and market braking systems for commercial and off-highway vehicles together with running gear components for trailers.

Competent, one-to-one consulting and outstanding product quality are characteristic of all the companies within the Group.

KNOTT's own production plants and branch offices are supported by a world-wide dealership network.



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We make your brake