

for armoured vehicles

The development of complex systems can be a laborious process. Knott has proven its credentials over the years as a reliable partner with the staying power it takes to develop defence applications, and the flexibility needed to respond quickly to changing circumstances and new requirements. Knott is a supplier with the ability to access the entire process chain from design through prototype construction to testing and production and thus has within its own four walls this essential capability at its fingertips.



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. Production is sited at numerous locations in various countries and is undertaken strictly in accordance with stringent standards of quality.



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

All around the globe, we maintain delivery logistics, service and parts supply dependably and on a very high level.

Active the world over
Armed forces in the following countries use Knott brakes / trailer systems in their vehicles:



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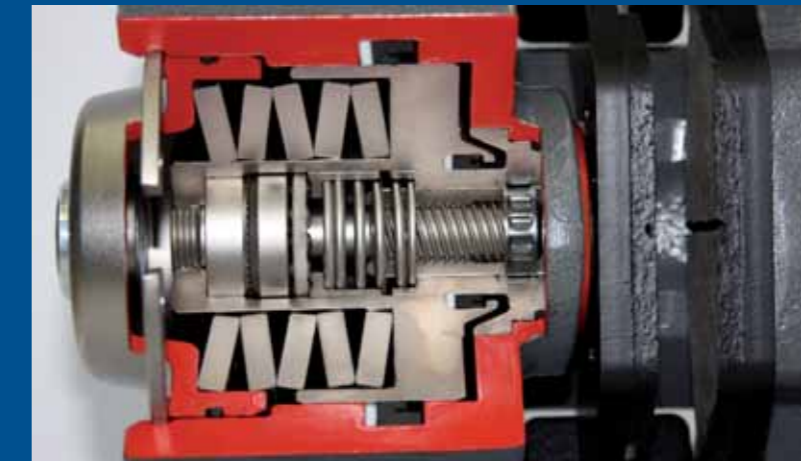
KNOTT GROUP
BRAKE AND TRAILER TECHNOLOGY

We make your brake

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From the specialist for military brake systems



Superior brakes for armoured vehicles

Maximum loading capacity and service life – minimum wear

www.knott.de

KNOTT
BRAKE TECHNOLOGY

We make your brake

Custom tailored brakes from the specialist

Knott has good reason to claim the title of specialist in brakes and braking systems for defence applications. With braking systems and variants to cover the every conceivable requirement, Knott supplies bespoke solutions from its own development and production. Your mission, the conditions you will be facing, and the area of application of your vehicle are the deciding factors when it comes to determining the operating principle, design and performance of your brake or braking system.



Hydraulic fixed caliper 4x40



Wedge drum brake 410x165



Hydraulic fixed caliper 2x60



Hydraulic fixed caliper 4x56



Mechanical sliding caliper MGS 40



Hydraulic fixed caliper 4x85

What distinguishes Knott brakes is their perfect adaptation to the vehicle, resulting in

- high loading capacity
- consistent performance
- high braking effect and comfort
- a long service life
- exemplary ease of maintenance

The long service life and outstanding quality of Knott braking systems are vital to the safety, economy and engineering excellence of the overall system into which they are integrated.



Typical parking brake: Spring applied sliding caliper FSG 110 with automatic adjuster



Knott monitors every step along the way: in-house design, in-house prototype construction, in-house testing and production.

Your one-stop braking system supplier

We will provide you with objective advice, as we can select for each application the optimal brake-type, based on which we design a perfectly fitting brake for you.

Knott develops and produces the following brakes:

- Disc brakes (fixed and sliding caliper)
 - Hydraulic
 - Pneumatic
 - Mechanical
- Drum brakes
 - Hydraulic
 - Pneumatic
 - Mechanical
- Encapsulated wet multi-disc brakes
 - Hydraulic
 - Pneumatic
 - Mechanical
- All designs can be used as service or parking brakes.



Light-duty version: Hydraulic fixed caliper 6x70 from aluminium



Brake system from Knott: Mechanical sliding caliper MGS 45 with Bowden cable and dead centre parking brake lever

Wide-ranging special designs available

Weight saving is an important issue, not only with a view to maximizing the air transportability and air portability of armoured vehicles in action. Knott is able to supply light-duty versions of its brakes if required. Build for instance with aluminium brake calipers and brake carriers, these lighter-weight alternatives in no way compromise the capacity of Knott brakes to withstand loads.

With matt, non-reflective surface coatings or also plasma-coated surfaces – Knott brakes are available in a wide range of special versions and finishes. Your specific needs are the deciding factor.

The brake as a complete ready-to-mount kit!

As well as brakes, Knott can develop and deliver complete braking systems in ready-to-fit kit form – from the handbrake lever to the brake itself. The scope of supply includes all components required for mounting, such as the handbrake lever, the Bowden cables, the brake itself, the brake bracket and the brake disc.

Why not make Knott be your “One-Stop-Shop” for brake solutions!

Strong partners A few examples from the Knott customer list:



Renowned names from the global defence sector worldwide speak for themselves – and for Knott.

Knott brakes: Tried and tested in every weight category

