

# brake *by* wire

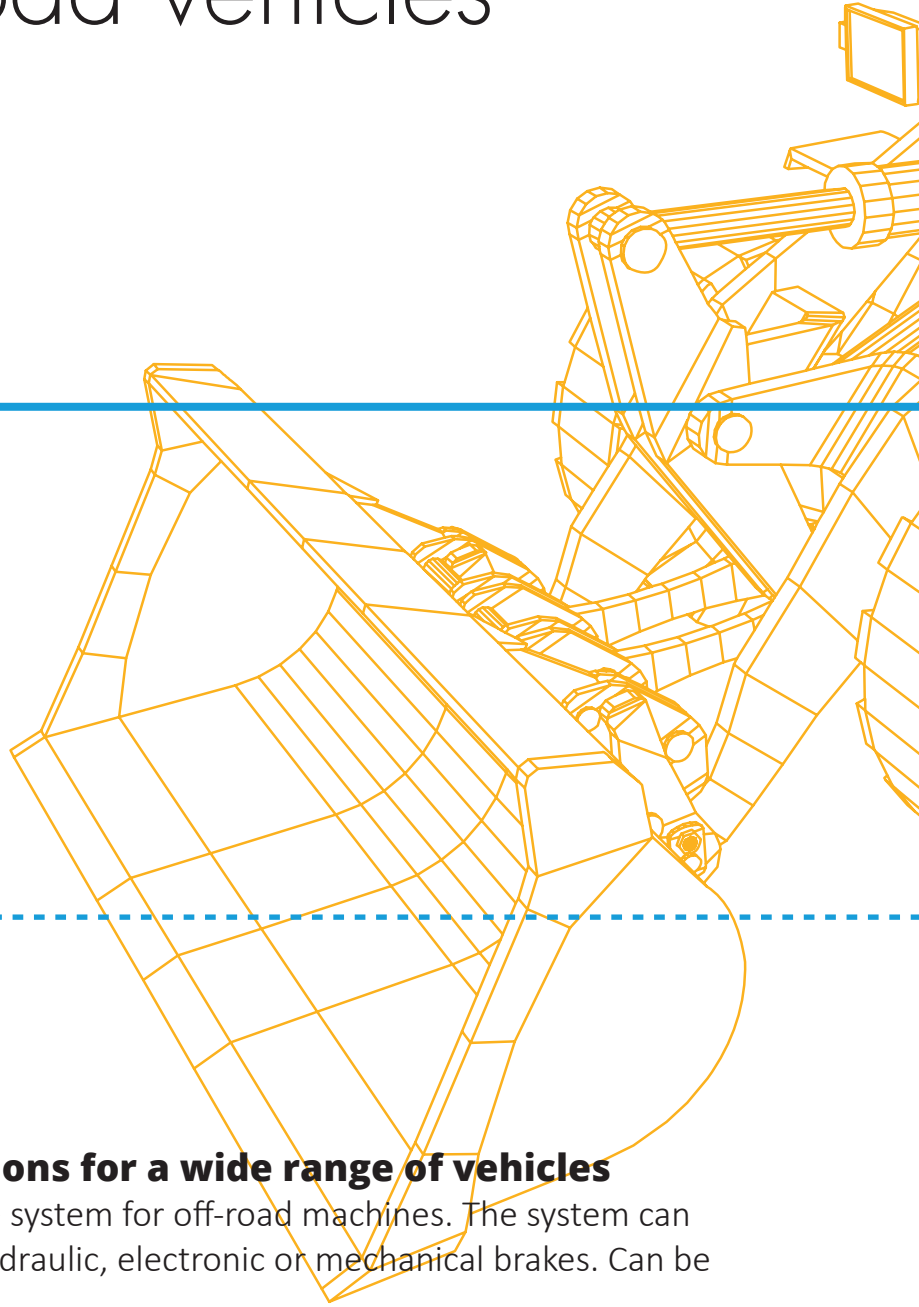
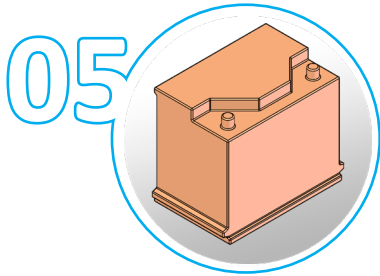
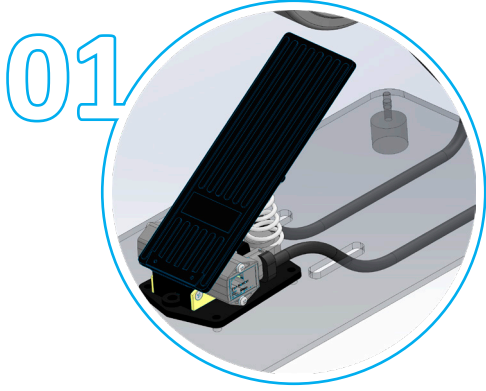
for Off-Road vehicles



Engineered by Rydahls

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## Rydahls Brake by Wire - solutions for a wide range of vehicles

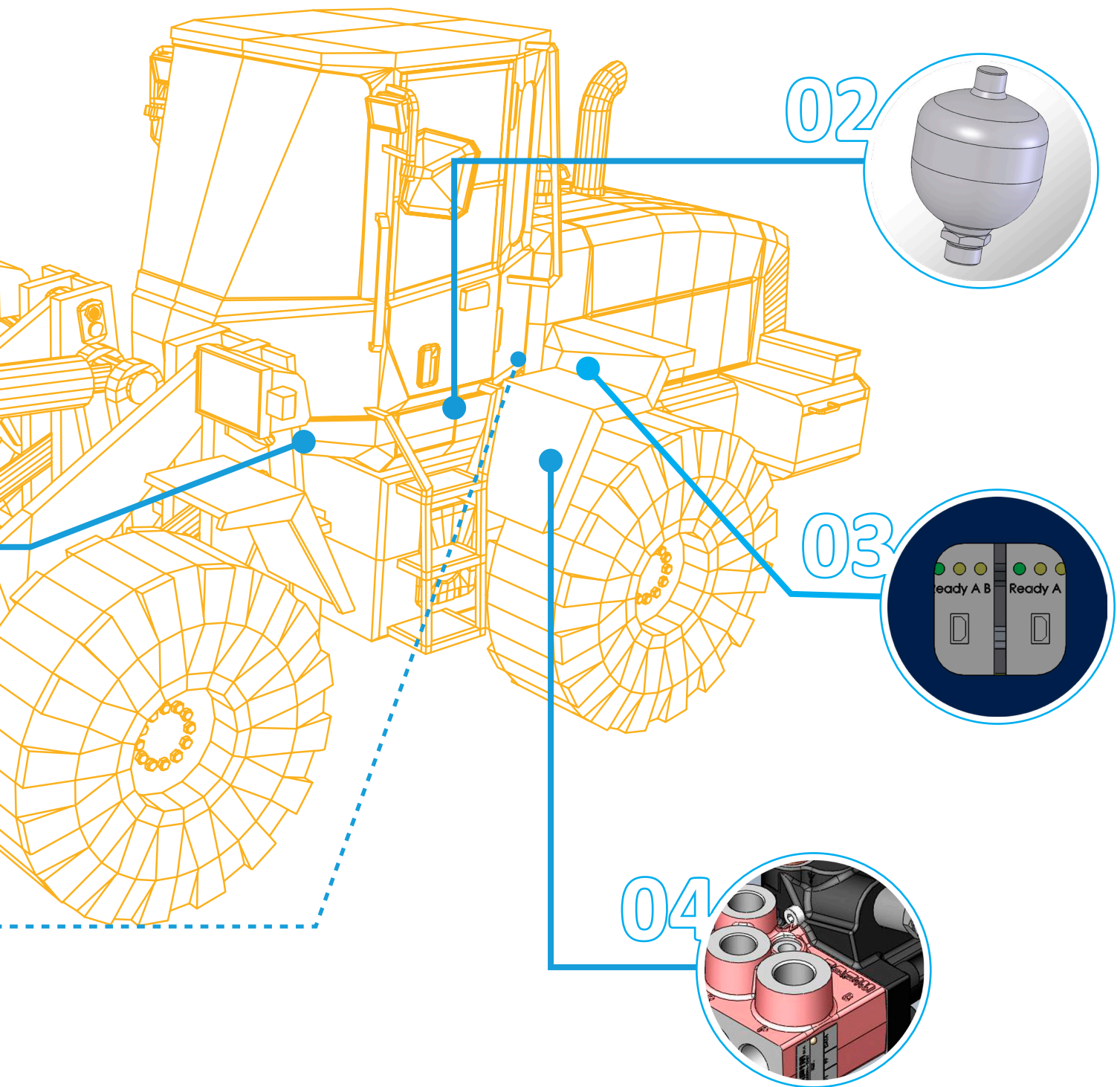
Rydahls has developed a brake by wire system for off-road machines. The system can be used together with your existing hydraulic, electronic or mechanical brakes. Can be connected to CAN bus (CAN J1939).

The service brake is activated by an electronic braking pedal with two sensors that are connected to a suitable computer. Two channel ECUs, which control proprietary valves that directly control the brakes or control valves with pilot pressure for larger activation volume.

Main advantages:

- Quicker response time
- Lower noise level in cabin
- Fully programmable – brake pressure can be adjusted according to angle of pedal
- Flexible placement of hydraulic system

For more information, please contact us at [info@rydahls.com](mailto:info@rydahls.com).



## Key components

- 01 Dual-signal electronic brake pedal**, which has springs that gives similar resistance to a conventional hydraulic brake pedal. Reduced noise level in cabin and compatible with CAN bus.
- 04 Hydraulic brake valve** for SAHR (Spring Applied Hydraulic Released) and service brake valves. Different sizes and types, also wet brakes solutions with parking and emergency brakes.
- 02 Hydraulic energy / accumulators** for service brakes and mechanical SAHR (Spring Applied Hydraulic Released).
- 05 Optional:** electric energy / accumulators for electrical sensors and ECU.
- 03 ECU** or vehicle computer with correct safety level. Fully programmable pedal angle vs. brake pressure.

## **ABOUT RYDAHLS**

Rydahls are specialists in Brake systems, Friction solutions and Spare parts.

The majority of our customers are active in the following areas: heavy machinery/vehicle production, manufacturing industries and commercial vehicle and trailer repair shops.

Rydahls is a part of OEM International, one of Europe's leading technical trading companies.

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