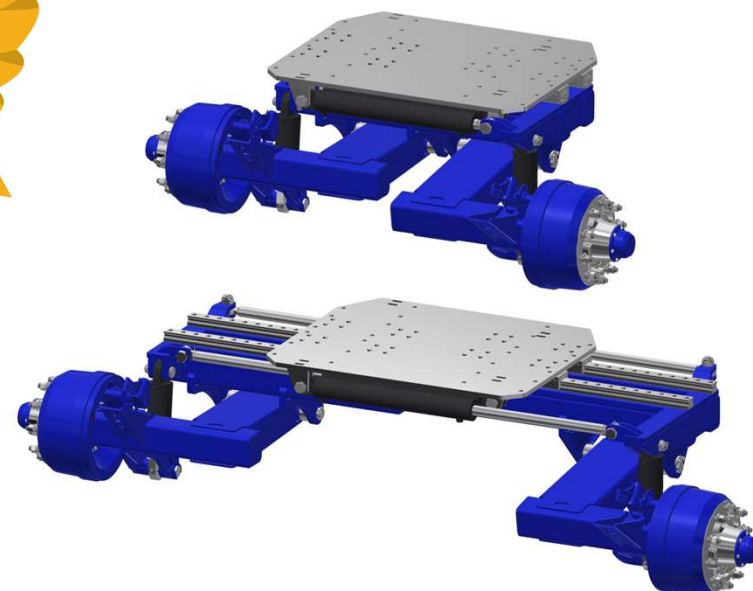


PRIMA SLIDING

THE INDEPENDENT WHEEL SUSPENSION WITH EXTENDABLE AXLE

CLOSED TRACK WIDTH
➤ (ON THE ROAD) 1950MM

OPEN TRACK WIDTH
➤ (ON THE FIELD) 3150MM



PRIMA SLIDING, THE NEW HYDRAULIC SUSPENSION

The evolution of the **SIDRA® suspension**, the only original one with independent wheels and equipped with a sliding extendable axle, is designed to protect agricultural land by minimizing trampling and compaction. This translates into **increased soil fertility**, higher productivity and profitability, **optimal nutrient absorption**, and more effective **water management**.

Whether you are in the countryside, in the woods, or on the road, **SIDRA®** is engineered to handle even the most extreme conditions while delivering excellent performance while driving. **It is the perfect solution for large agricultural companies and contractors aiming to maximize efficiency and yield.**

The **braking system** is certified according to the latest **ECE R13** Mother Regulation, ensuring the highest levels of safety and compliance.

With over 18 years of experience and more than 8,000 modules sold, the **SIDRA®** suspension represents continuous evolution, resulting from constant research focused on weight reduction. This minimizes the impact on agricultural land, thanks to independent wheels that evenly distribute the load on each wheel.

The result? Less compacted soil and productivity increased by up to 20%.

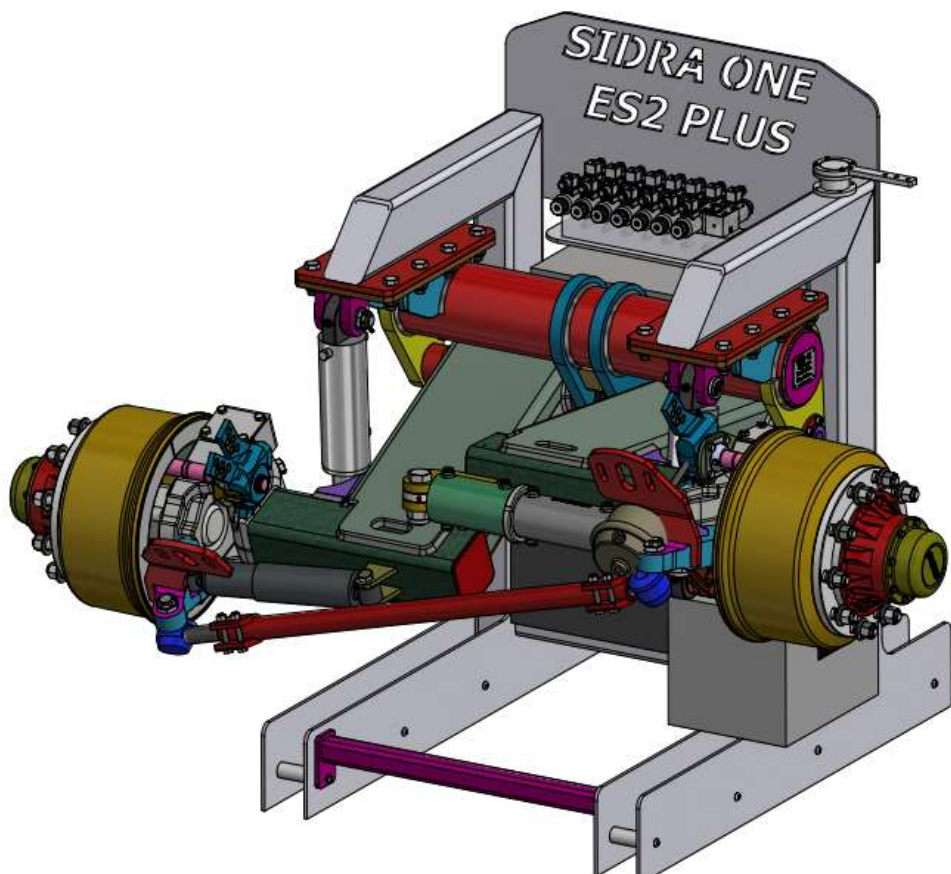
Its versatility also ensures superior driving safety, protecting both the operator and the vehicle. Completing the Prima Sliding system is the sophisticated **electronic self-leveling system ES2 Plus**, providing total control and even higher performance.

THE SIDRA ONE® SUSPENSION IN MOTION ON TANDEM

FAD Assali presents the renewed version of the SIDRA® in motion, showcasing the simulation of the individual wheels of the hydraulic suspension in action, featuring significant innovations that have already garnered great interest from manufacturers across Europe: **the steering axle with the ONE® cylinder**, which allows the end user of the trailer to convert the axle into “SELF-STEERING” or “FORCED” mode without the need to change the steering cylinder.

Additionally, the frame is equipped with a new ISOBUS **electronic self-leveling system**, the **ES2 PLUS**, and auto-steering capabilities through the **ES2 system**.

THE NEW ELECTRONIC STEERING SYSTEM



ES2 and **ES2 PLUS** make up the brand-new electronic steering and self-leveling system that we will showcase with a 3D video and a moving frame to demonstrate the system's functionalities in action.

ES2 Electronic System it's a product designed and engineered by Oscar S.r.l.

This electronic device consists of two distinct and complementary systems:

- **ES2** it's a steering system for trailers and semi-trailers and,
- as option, **ES2 PLUS**, a self-leveling system for hydraulic suspensions

ELECTRONIC SELF-LEVELING SYSTEM

The ES2 Electronic System consists of two distinct and complementary systems: **ES2 PLUS**, which is a self-leveling system for hydraulic suspensions, and **ES2**, which is a steering system for trailers and semi-trailers with very heavy loads, facilitating their use and optimizing maneuverability.

It is a complete system that allows for easy installation and quick maintenance.



CONTROLLED STEERING AXLE WITH A 28° ANGLE AND UNIVERSAL CYLINDER

Another innovation from FAD Assali: the forced steering axle, designed to provide a **wider steering angle** thanks to the offset of the hinge. Equipped with **500x200mm brakes**, it is the ideal solution for single-axle trailers that require a particularly wide turning radius, enhancing maneuverability and precision.

This axle is prepared for the **RDS system**, which automatically regulates and controls tire pressure, developed in collaboration with the German company PTG.

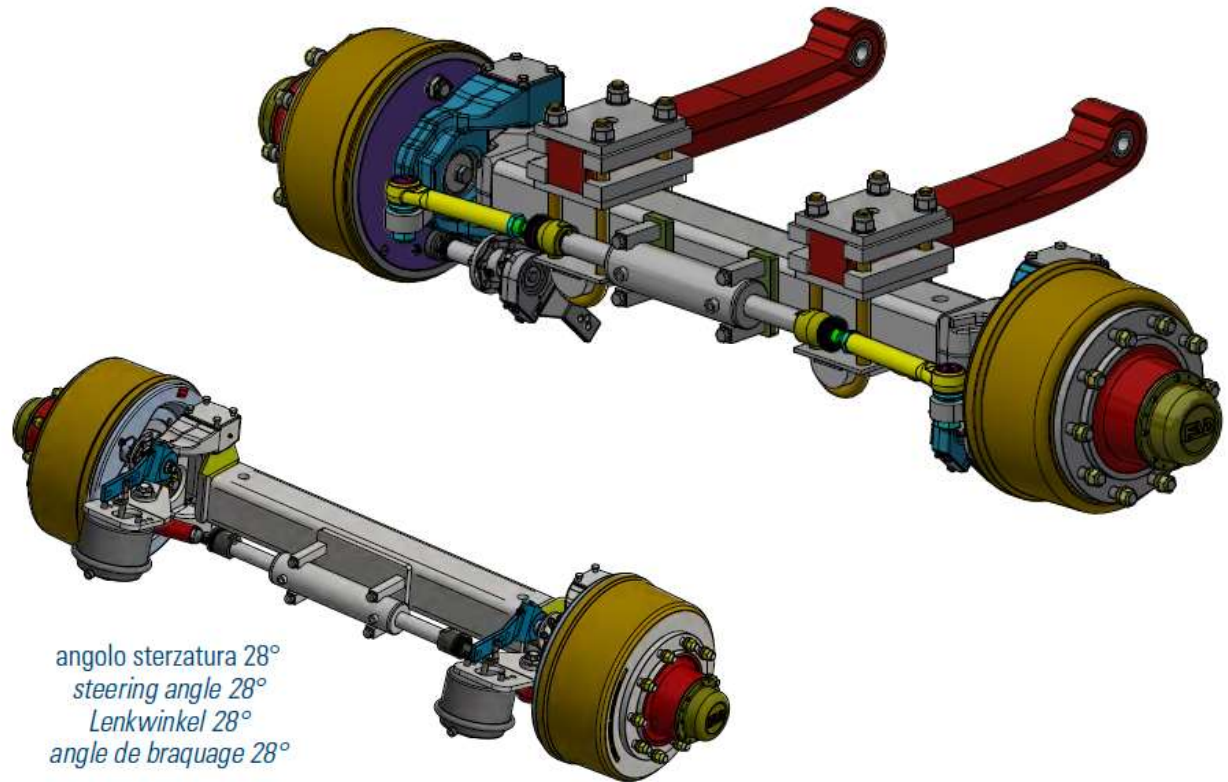
It comes standard with **angular steering sensors** for even more precise control.

Completing the setup is the **EBS system** for automatic speed regulation, ensuring safe and optimal driving in any situation. The EBS enhances **safety** by reducing response times and allowing for more controlled and uniform braking, which is particularly useful in heavy vehicles.

THE NEW STEERING AXLE BY FAD

Introducing a game-changer in axle technology! Alongside our traditional steering axles, we proudly present the innovative axle with a **central cylinder** (check out the photo on the right, featuring mounted semi-leaf springs). This cutting-edge design not only allows for a variety of wheel sizes due to its compact profile and the elimination of the steering rod, but it also offers exceptional versatility for any application. Say goodbye to limitations and embrace the future of axles performance.

Available in a version that boasts steering capabilities of up to 28° (see the photo below), this axle is designed to provide exceptional maneuverability. The central cylinder with **passing stems** is crafted for controlled steering axles, but it also comes in a **UNIVERSAL version**, delivering a flexible and adaptable solution for a wide range of applications. Whether you're navigating tight spaces or tackling challenging terrain, this axle is ready to meet your needs with ease and precision.



500X200, 'THE BRAKE'

The **500x200 mm brake**, designed for large tires (up to \varnothing 1.5 m), fully complies with the latest European regulations.

This brake offers exceptional braking load capacity, **up to 15,000 kg per axle**, even at speeds exceeding 100 km/h, ensuring safe and reliable performance.

Its great versatility lies in the ease of replacing the brake components, featuring a reversible push and driving direction system, which has already been successfully tested on the new FAD test bench.

A brake designed to maximize efficiency and safety, without compromise.



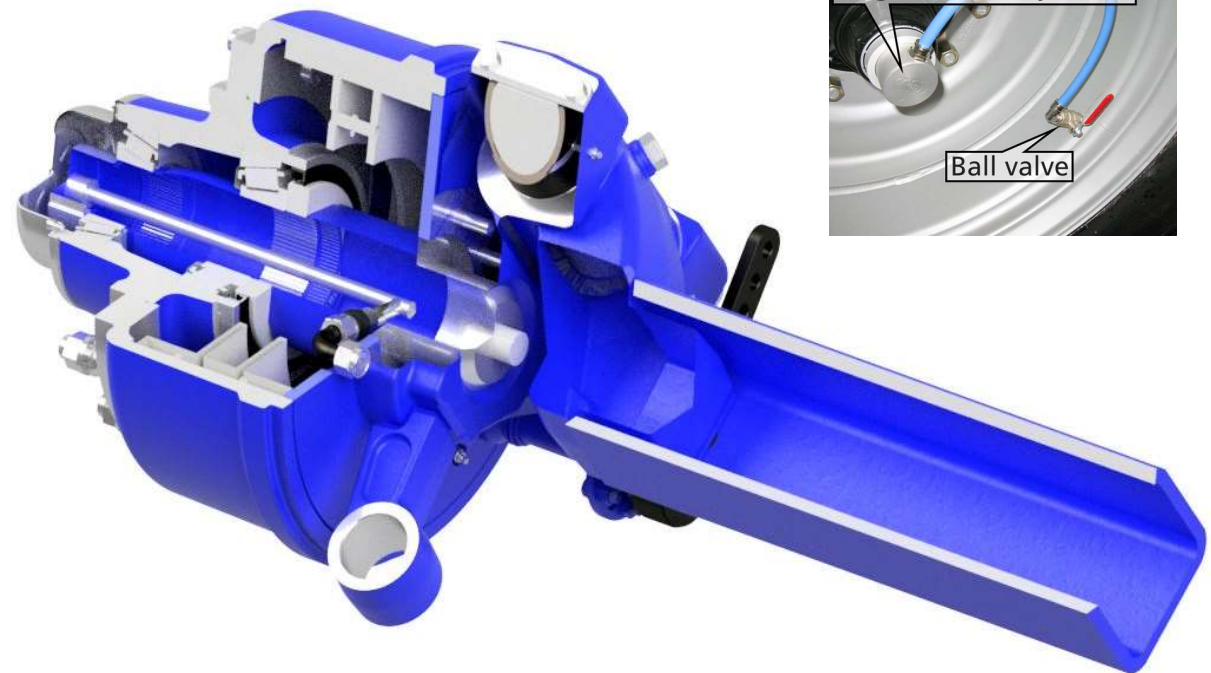
SYSTEM SETUP FOR INFLATING AND DEFLATING WHEELS

First introduced by FAD Assali in 2001, the innovative **RDS system**, developed in collaboration with the German company PTG, represents a breakthrough in tire management.

Thanks to the preparation of the axles for the RDS system, it is possible to reduce tire pressure in the field, increasing the contact area and reducing soil compaction. This enhances soil protection and agricultural productivity.

On the road, the system allows for **quick restoration of maximum tire pressure, ensuring reduced wear and greater fuel efficiency.**

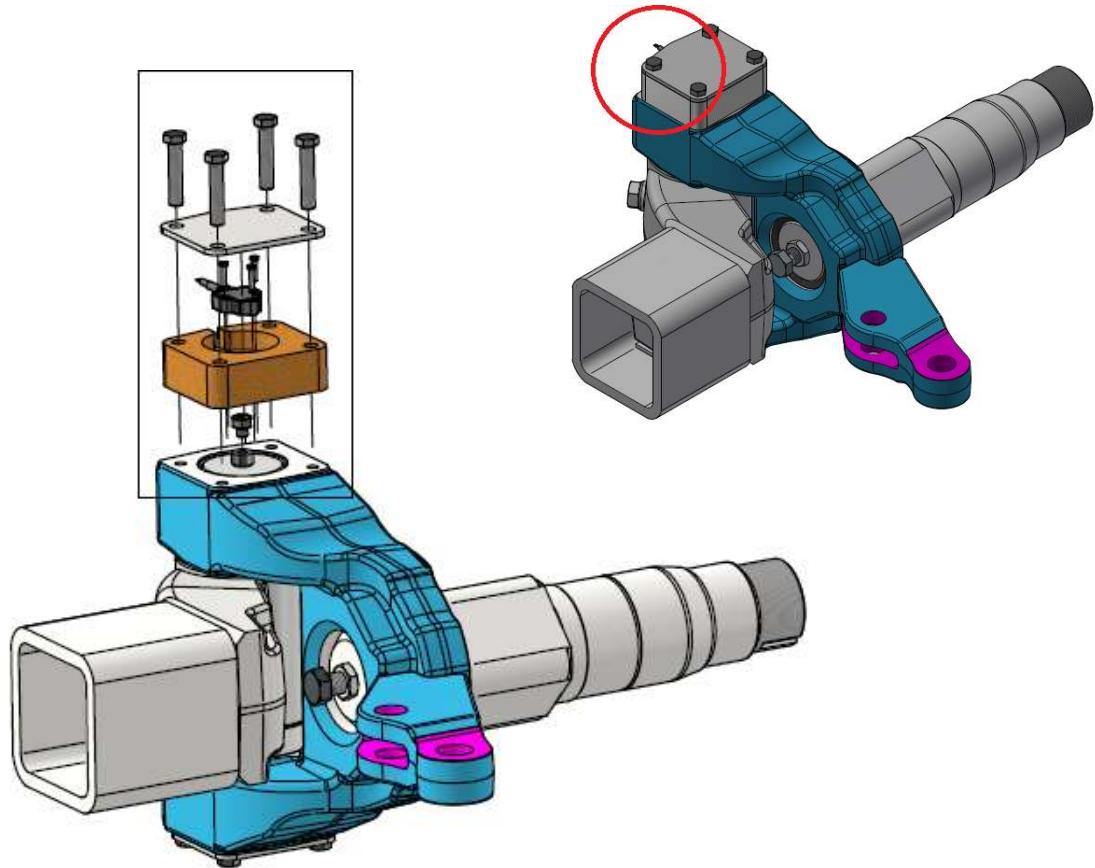
With the RDS system, you can optimize performance both in the field and on the road, maintaining maximum reliability and tire longevity



HINGES WITH BUILT-IN ANGULAR SENSOR READINESS

Today's market demands steering axles that not only provide automatic steering functionality but also ensure **controlled steering capabilities**. With the rising demand for electronic steering systems, integrating a **steering sensor within the hinge** has become increasingly crucial.

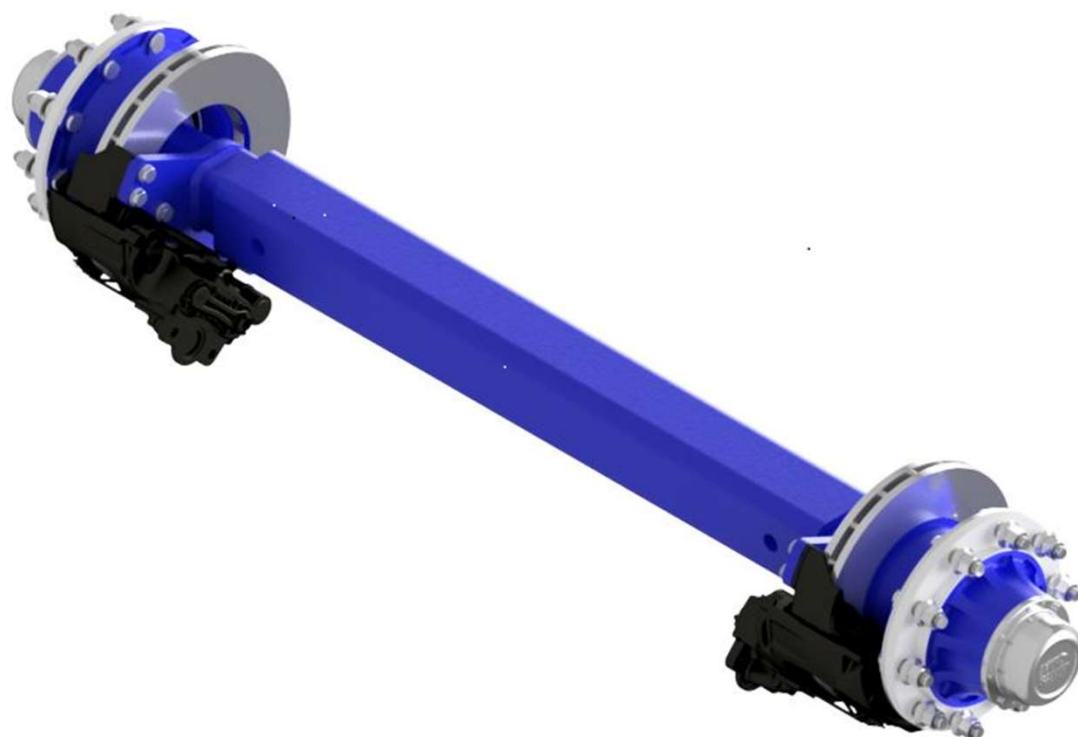
FAD Assali stands out as the first company to offer all its in-house manufactured hinges with **the capability to install a steering sensor**, responding innovatively and promptly to the evolving market needs.



FAST LINE® DISC BRAKED AXLE FOR AGRICULTURAL TRAILERS - EU CERTIFIED

FAD's disc brake is the perfect solution for agricultural vehicles targeting the subcontractor market, delivering performance comparable to drum brakes, but specifically optimized for road transport.

Certified with the new FAD brake testing bench, this disc brake stands out for its **lightweight design** and the **quick replacement of wear parts**, such as brake pads, significantly **reducing maintenance downtime**.



HYDRAULIC DRIVEN AXLE 'HIDROBASE'

This is not a true motor axle, but an agricultural axle designed for towed trailers that can, when needed, transform into a **hydraulically powered axle**. This innovative solution allows the operator to tackle challenging situations or **steep inclines** with ease.

By combining the functionality of a motorized axle with the practicality of a free axle, this system automatically disengages the motor force when it is no longer needed, ensuring optimal maneuverability and efficient use in every context.

