



Management Systems

EASYDRIVE

The advantages of the self-steering axles avoiding to lock the steering of the wheels in reverse.

The wheels are manually steered to facilitate the operations in short space using the tractor oil distributor.

The system automatically passes to the self-steering mode at a defined speed <10 km/h.

Over the defined speed the system can't be commanded manually for safety.



SMART DRIVE

SMARTDRIVE

SmartDrive manage the movement of the steering axles of a trailer and determines the steering according to the relative angle between tractor and trailer.

Over a defined speed, the system automatically locks the axles in central position and it's possible to command or lock the axles in Manual Mode.

The system is designed to work in free self-steering mode in case of emergency.
This mode is automatically activated by the system in case of loss of power connection or hydraulic pressure.



ADR IDENTITY

THE HISTORY

In 1954 Giovanni and Antonia Radrizzani started the jobbing workshop in Uboldo. They were supported by their sons, Giancarlo and Flavio, and they soon specialised in the production of **wheels and axles**.

During the 70s the artisan company became an industrial activity and modified the company title to ADR Spa. The following thirty years were characterized by a growth on the international market with the acquisition and creation of new premises in locations around the world.

Comprehensively, the current ADR Group is based in twelve facilities located in Italy, France, England, Poland, Spain, Brazil, USA, Canada, China, India and Australia.

Which together occupy a covered surface area of 200,000 square meters and employ approximately 1200 people. Who sell the group's products in 45 countries around the world with a consolidated average growth rate of 10 percent annually.



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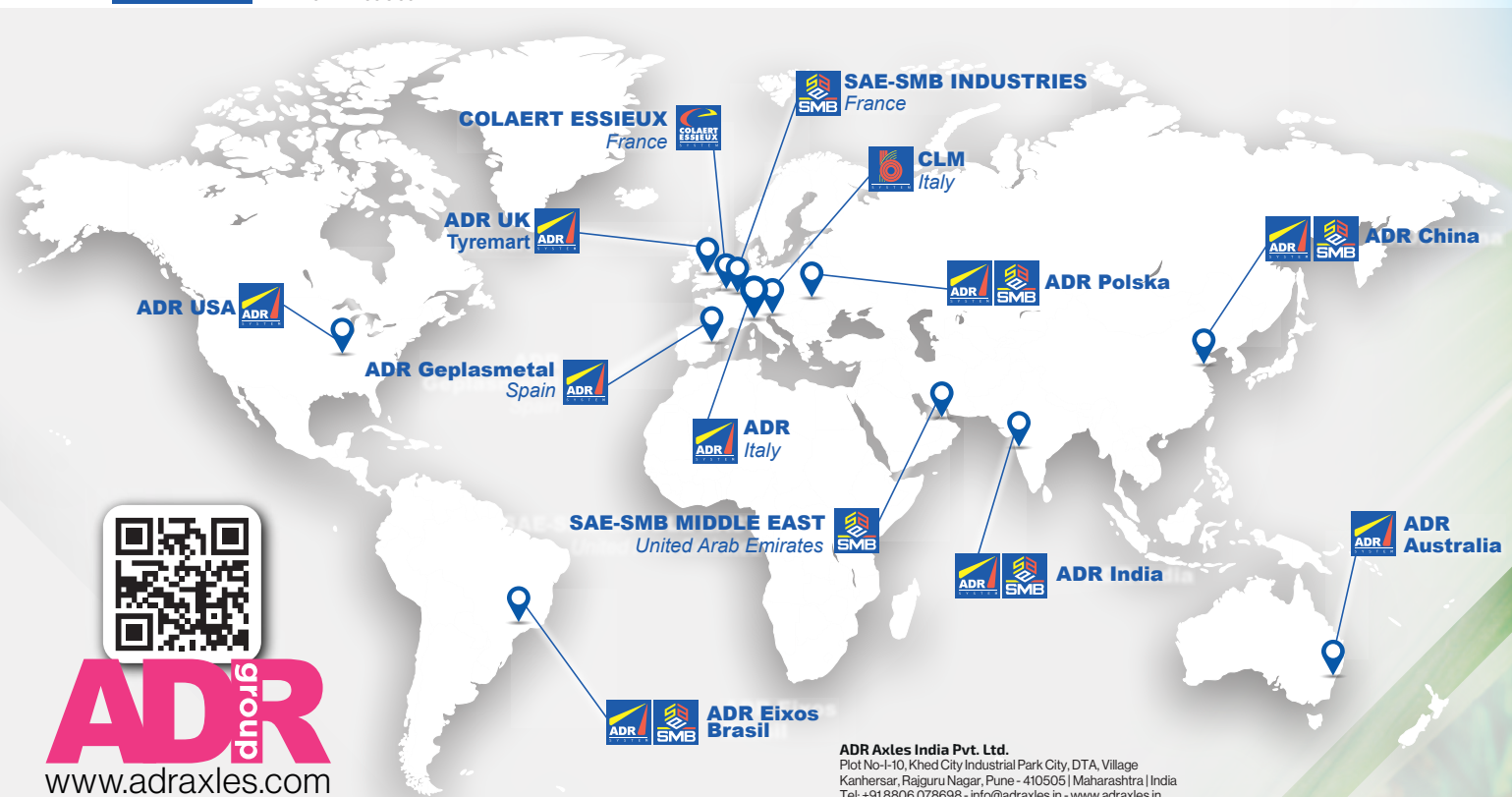
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moving innovation



STUBAXLES

A wide option of very versatile stub axles, with carrying capacity from 250 kg up to 15 ton, it's available also with a tailor-made solution braked and unbraked. They can be suitable for both trailer and working machine.

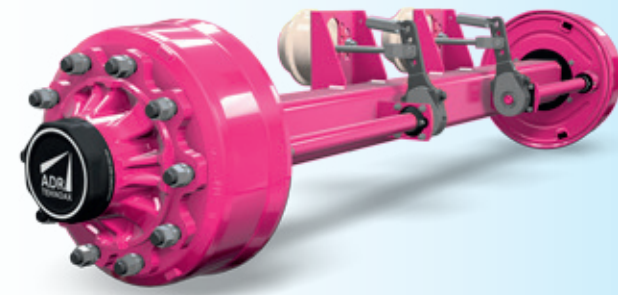


Axles



FIXED AXLES

Teknoax is a tubular axle body integrating the spindles without welding improves strength reducing the mass, thus achieving higher performance and lower operating costs. The absolutely new design of its structure and mechanics matches the widest range of applications both on and off-road vehicles.



STEERING AXLES

The range of ADR steering axles, from 7 to 22 tons per axle optimizes the construction of axles and suspensions for all needs, even the most extreme. In this field the DualFunction steering axle is a revolution in the range of ADR products which has been "customer oriented". Only one type of self-steering axle can be steered or controlled simply by varying the hydraulic control equipment.

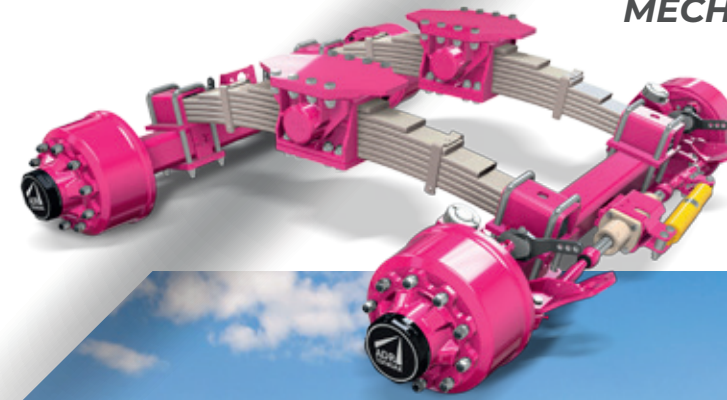


ADR IDENTITY

MECHANICAL SUSPENSION BOGIE

Bogies are delivered fully assembled, ready to be installed under the vehicle. The range includes multi leaf and parabolic springs.

Carrying capacities from 8 to 28 ton and wheelbase from 920 to 1900 mm are available both in normal and underslung construction.



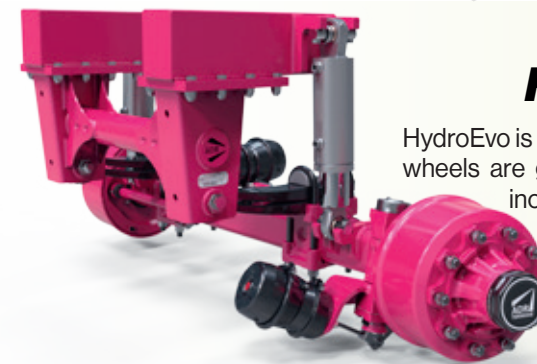
MECHANICAL SUSPENSION TYPE "K"

The suspensions include a high variety of tandem combinations with parabolic springs and agricultural simplified version with a multi leaf springs 80 and 100 mm wide and steps from 800 to 2000 mm, and an industrial version with leaf springs, 3" and 4" for speed beyond 100 km/h. The ongoing research has led to the introduction of major innovations to ensure maximum vehicle stability and the maximum braking performance.



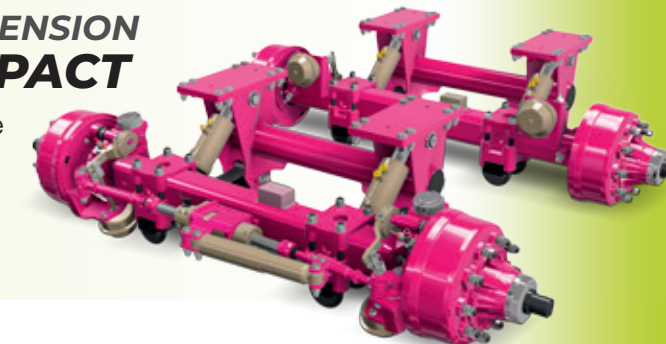
HYDRAULIC SUSPENSION HYDRO ADVANCED

HydroEvo is an independent hydraulic suspension arms. The wheels are glued to the ground in all conditions of service and ensure incomparable stability during cornering and safe braking even on uneven ground and with very unbalanced loads.



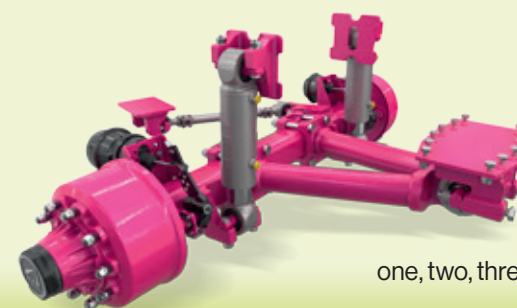
HYDRAULIC SUSPENSION HYDROCOMPACT

It's the new range of ADR hydraulic suspensions designed to meet the requirements of the new generation of agricultural machinery. The independent setting of travelling height and suspension reactivity is important for the vehicle stability especially for the heavy trailers with high centre of gravity and floatation tyres.



HYDRAULIC SUSPENSION ALPHA 15

The new Alpha suspension is designed to cancel the torsional stress of the axles and is suitable for vehicles that need a large axles clearance while ensuring optimum road holding in any situation. It is adaptable to many types of rolling stock according to the configuration and load capacity of the vehicle. The module suspension can be composed of one, two, three (or even more) rigid or steering axles.

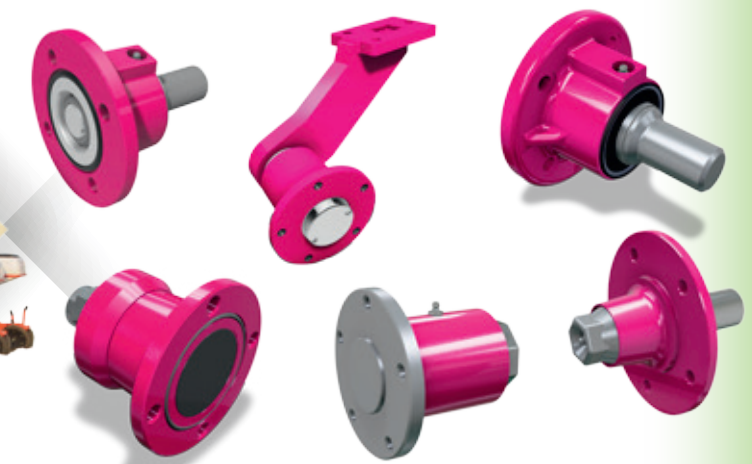


Suspensions



With ADR SOIL

Our engineers have created a series of specific components for Machinery for soil treatment, focusing its efforts primarily on the characteristics of resistance to external agents that are hostile and aggressive.



Soil



SPARE PARTS

The original spare parts ADR, organized in families, are available in convenient packs. The kits contain all the components necessary to restore the functionality of each mechanical part with the guarantee of ADR. Each package is supplied, in addition to the code of the kit, in an exploded isometric view of the mechanical unit to which it relates so the operator can more easily identify the product to which the ADR kit of parts includes.



Spare Parts

WHEELS and TYRES

CML full range of products in the group with the production of wheel rims with a diameter between 4 and 10 inches for use in an agricultural and industrial sectors. Among the products CLM the wheels complete with tyres, available in a range that covers all the best brands.



Wheels Tyres