



A x l e s

TEKNOAX

Future is now!



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TEKNOAX future is now!

The ADR Group has more than 60 years of experience in the agricultural machinery and always the same desire to propose new solutions!

The Teknoax axle represents this dynamism, towards the future!

The Teknoax is an axle with a tubular, monobloc and seamless body. This new technology enhances safety, endurance and the performance of your machines, because agriculture is a job where these abilities are necessary!

- > Integral body
- > Smart fit
- > Strain flow
- > Clever seal
- > Optimal design
- > Spin just
- > Predisposition for inflating system
- > E-brain

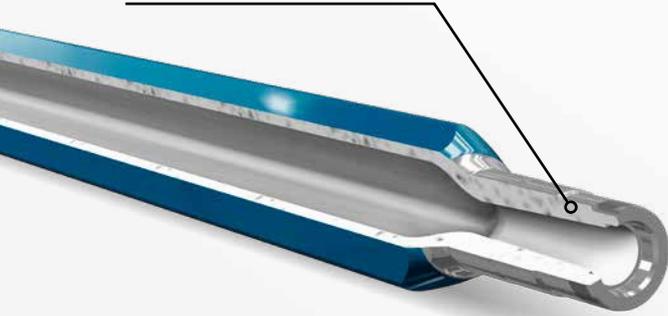


Discover the
axles

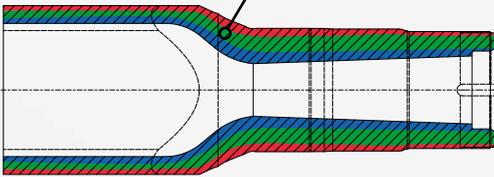
TEKNOAX



Tubular & integral body



Optimized profile



> Integral body

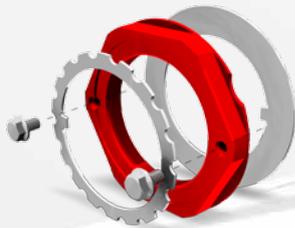
is a tubular monobloc axle body with integrated spindles, obtained through hot plastic deformation. This seamless design makes it possible to obtain an axle with a continuous structure. The material is locally forged, increasing the thickness in the zone of contact with the bearings.

> Smart fit

is the special cold modelling of the square section of the axle body which enhances the axle's flexural strength. The reduction in the axle body mass compared to solid square-section axle bodies which are still widespread in the agricultural field is in the order of 50% for the same performance levels, so it is a net gain of payload for your vehicles.

> Strain flow

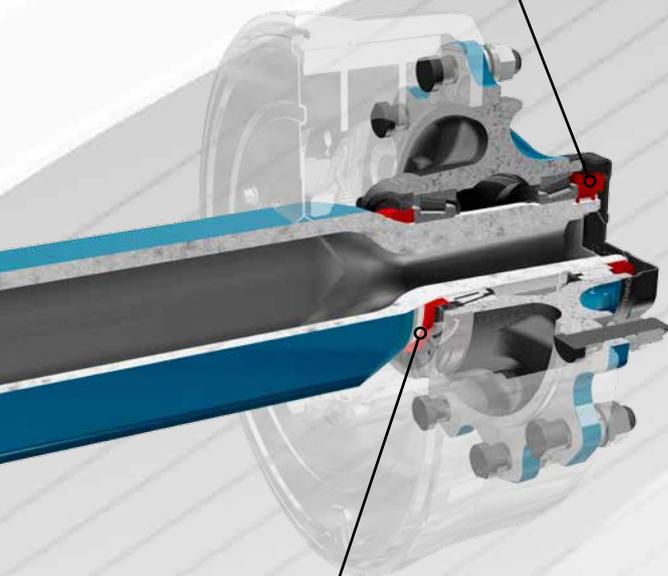
is the best geometry for the coupling area between the spindle and the axle body, without any sudden changes in the cross-section, for ultimate safety against strain. There is no longer a rupture of material in this section and the thickness is ideally distributed where the forces are the highest. The hollow body also facilitates the establishment of the tyre pressure control system.



Spin just

> Spin just

Is an innovative system designed to adjust axial play in the bearings with precisely. This adjustment, combined with the hub-and-spindle assembly, increases the durability of the bearings and helps make maintenance less expensive.



Clever seal

> Optimal design

Design efforts have made it possible to add all the specific innovations, while using as much as possible of proven elements, to obtain a reliable and robust axle.

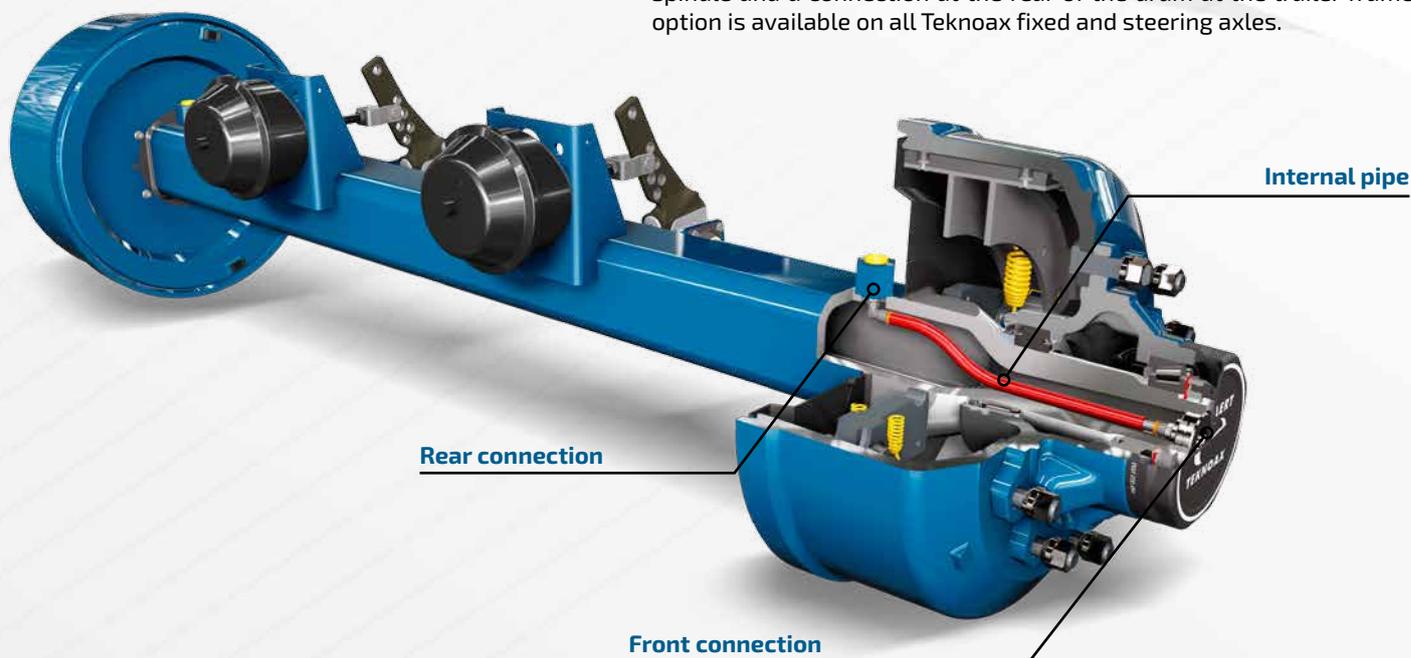
> Clever seal

is the lubrication system by Teknoax with box-type seals that guarantee excellent lubrication of the hub bearings, protecting them against atmospheric agents and allowing clean maintenance. They can incorporate the ABS phonic wheel.



> Predisposition for inflating system

Teknoax axles can be fitted with the option "air drilling". This system allows manufacturers a simpler mounting of the inflating system on the vehicle. The axles have a connection on the front of the spindle and a connection at the rear of the drum at the trailer frame. This option is available on all Teknoax fixed and steering axles.



Rear connection

Internal pipe

Front connection



> Electronic chip RFID - E-brain



It is the electronic traceability system, which contains:

- > The **identification** data of the axle.
- > **Planned maintenance** service of your vehicle.
- > The identification of components for technical service and the adequate supply of **spare parts**.

How it works ?

The chip is permanently inserted into the axle body and the information is readable by the dedicated mobile application. While a standard identification plate is no longer readable after a long period of use, the new system allows the axle not to lose its identity.



1. **Download** the mobile application on your smartphone.
2. **Start** the application



3. **Remove** the cap of the axle

4. **Place** your phone near the hub



5. The application **reads the axle identification data** from the chip

6. The application **shows you**, the axle code, the production order number and **the list of spare parts**. It remains only to contact us to order parts needed...





COLAERT ESSIEUX
11bis Route Nationale 59189 Steenbecque FRANCE
Tél. +33 (0)3 28 43 85 50 - Fax +33 (0)3 28 43 68 63
commercial@colaertessieux.fr - www.colaertessieux.fr



A.D.R. S.p.A.
Via Antonio Maria Ceriani, 96 - 21040 Uboldo (VA) ITALY
Tel. +39 02 96 17 11 - Fax +39 02 96 17 14 20
adr@adraxles.com - www.adraxles.com



ADR Polska
ul. Bieszczadzka 5, 38-540 Zagórz, POLAND
Tel. +48 13 46 89 333 - Fax +48 13 46 89 368
atw@atwssystem.pl - www.adrosie.pl



ADR UK - Tyremart Agricultural Ltd
Main Road, Long Bennington, Newark, Notts, NG235DJ GREAT BRITAIN
Tel. +44 1400 28 38 20 - Fax +44 1400 28 31 37
info@tyremartagri.co.uk - www.adraxles.com



ADR GEPLASMETAL sa
Pol. Malpica c/ J n°1 - 50.057 Zaragoza ESPAÑA
Tel. +34 976 46 52 54 - Fax. +34 976 57 11 32
info@adrgeplasmetal.com - www.adrgeplasmetal.com



OMEGA Drives Inc. | ADR North America
7A-845 Lagimodiere Blvd. Winnipeg, Manitoba R2J 3M2 CANADA
Tel. +1 204 453 24 77 - Fax +1 204 453 24 78
info@omegadrives.com - www.omegadrives.com



ADR EIXOS BRASIL Ltda
Rua Antonio Fernandes Figueroa, 1807, Parque Industrial Lagoinha
Ribeirão Preto São Paulo cep 14.085-280 BRASIL
Tel. +55 16 36 17 30 79
adrbrasil@adreixos.com.br - www.adraxles.com.br



ADR China - Qingdao ADR Axles Manufacturing Co., Ltd.
Lingang Road No.2468, Huangdao District, Qingdao City,
Shandong Province - Post Code 266400 China
Tel. +86 532 86 19 66 36 - Fax +86 532 86 19 65 01
info@adrssystem.cn - www.adraxles.cn



ADR Axles India Pvt. Ltd.
Gat No.512, Lavasa Road, At Village Kasar Amboli, Taluka Mulshi,
MIDC Pirangut, Pune - 412108, State of Maharashtra - India
Tel. +919 89 755 0 80 - info@adraxles.in - www.adraxles.in



ADR Australia Pty Ltd
1 / 11 Warrior Place
St. Marys N.S.W 2760 - AUSTRALIA
Tel. 02 96 23 05 12 - Fax 02 96 23 05 05
admin@adraust.com.au - www.adraust.com.au



C.L.M. S.r.l.
Zona industriale, 26 - 33049 S.Pietro al Natisone (UD) ITALY
Tél. +39 432 72 78 51 - Fax +39 432 72 78 52
clm@adraxles.com - www.clmwheels.com



SAE-SMB INDUSTRIES
Route de Cliron 08090 Ham les Moines FRANCE
Tél. : +33 (0)3 24 59 54 54 Fax : +33 (0)3 24 54 81 58
contact@sae-smb.fr- www.sae-smb.com

ADR
GROUP

www.colaertessieux.fr

