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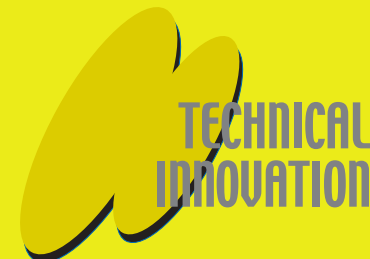


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TEMAS GALLARANTE - grafica CAPOBIANCO PUBBLICITA'



The "tailor-made" self steering axle



The heart
of the innovation
is here.

Following steering axle,

is the very common solution to the tyre wear and movement on tandems or tridem for industrial vehicles and agricultural machines. This makes the drive easier, improving the stability and safety.

Its efficiency is due to the speed while following the track, nevertheless load, speed and tyre pressure can prevent its straightening.

Agricultural machines are, more and more being fitted with wide, large diameters, low pressure tyres, with high distortion, friction and hard rolling resistance.

Drive is often difficult along winding tracks, where the vehicle is almost "floating" on the tyres rather than following the way.

These conditions involve a delayed reaction of the self-steering axle and, after a curve, the vehicle runs for several meters on a straight road with the wheels still steering: thus causing drive problems, loss of stability and uneven wear of the tyres.

Driving these new patented range of ADR self steering axles no longer have these problems. The sensitivity of the steering unit adapts itself to the characteristics of the wheels, balancing the problems of the low pressure tyres.



Its unique inclination, due to theoretical simulations and to the experience both in laboratory and on test vehicles, makes the axle load and the tyre dimension move the steering unit to react properly in all moving conditions.

Its exceptional sensitivity is the result of the high-tech machining and of the accuracy of the assembly, which optimize the efficiency of the geometrical innovation.

The steering unit has PTFE (teflon) coated bushings, very tight tolerances, conical shaft and a high precision axial adjusting device on the top.

This construction makes the maintenance easy and fast. Simply loosening the adjusting ring on the top, the conical shaft can be easily removed for inspection of the teflon bushes or their replacement if necessary.



New geometry, new concept.

The 7-16 ton range of the ADR self steering axles allows the manufacturers to take advantage of this basic technical innovation for all the types of trailer or special machines.



The possibility of fitting the full range of steering axles with the full range of ADR new generation of brakes, optimizes its adaptability to every kind of suspensions and trailers.

The steering unit is the heart of the innovation.

