

# Front Link System



“ Productivity  
enters the field ”

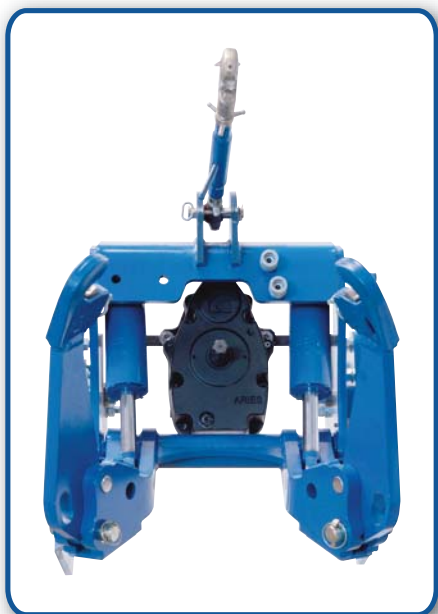


*Montone plant (PG)*

For years, **Aries** has produced both front and back towing, hitching and lifting systems for important sector customers. A rich partnership experience providing deep knowledge which enables us to reach the most innovative solutions and meet the real needs of the single products as quickly as possible.

**Aries** products are studied, designed and implemented to totally satisfy the end users, who have always been our point of reference.

A fundamental stage of each product development process implies, indeed, the improvement of the reliability, the functionality and the safety.



*Front Link closed with PTO*



## ADVANTAGES OF THE FRONT LINK SYSTEM

***In a more and more competitive production system, in order to gain high margins, the categorical imperative is to knock times and costs down.***

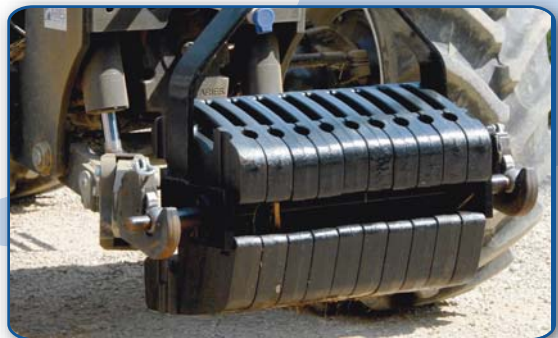
***An implement hitch and a power take-off at the front of the tractor greatly contribute towards the increase of the productivity, allowing: combined working, one-trip transport of two machine tools, ballast hooking and unhooking in a short time, better visibility and manoeuvrability.***



*Combined working*



*One-trip transport of two machine tools*



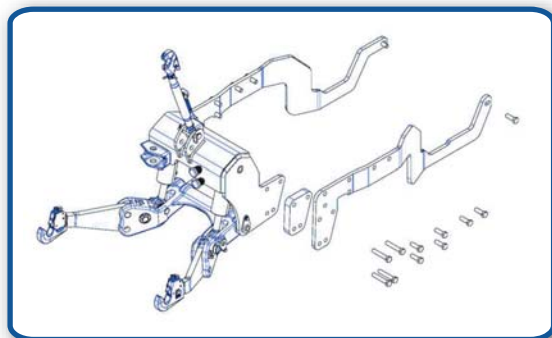
*Ballast hooking and unhooking*



*Better visibility and manoeuvrability*



## FRONT LINK ARIES



**Aries** has a complete range of front implement hitches according to the various lifting capacities, from 800 to 5,000kg.

The installation is easy and fast, since it is provided already pre-assembled and equipped with a kit for the easy connection to the tractor.

The hydraulic connection is rather easy as well: it is enough to spread and pass the relevant connecting pipes through the tractor.

### WINNING CHARACTERISTICS

#### *Anticorrosive treatment before painting*

A special cataphoresis treatment before painting assures an oxidation resistance level at least 3 times as high as the normal standards of the sector.

#### *Personalized tractor mounting kit*

The anchor clamping and the hydraulic kit supplied for the connection to the tractor are studied for every single model and make mounting easier and faster.

#### *Double effect, simple effect and locked working*

Thanks to a special selector, **Aries** front lift can have a double effect working (lifting and push), a single effect working (lifting and lowering by fall) and locked arm working.

#### *Adjustable linking arms*

**Aries** lift arms can be adjusted in order to be fixed steadily, or in floating position. Furthermore, they can be closed when not used.

#### *Standard top link and Aries special fast hitch hook equipment*

**Aries** fast hitch hooks are recognized as the most resistant and reliable ones in the market. Their excellence is given by the special kinematic mechanism of the cutoff (Aries patent), which assures high safety levels and fast maintenance.

#### *Modular structure of the system*

Buying an **Aries** lift means investing properly: it can be fitted to any new tractor model simply by buying a new hitch kit.



Front link

## ARIES FRONT PTO

**Aries** front PTO is designed and manufactured thanks to the great experience **Aries** gained in the production of agricultural transmission groups, and it is characterized by specific contents and devices for a safe and fast mounting.

It is characterized by an internal multi-plate oil bath clutch; it has its own integrated hydraulic circuit and does not require external supply from the tractor services.

The management of **Aries** front PTO groups is controlled by an electric-hydraulic system which guarantees a gradual starting, adjustable according to the specific characteristics of the hooked equipment. This allows to reduce the collisions between equipment and tractor during starting to a minimum, thus protecting their integrity.

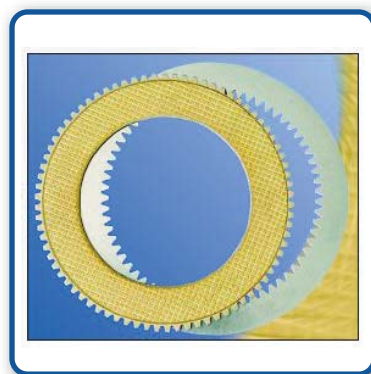
### WINNING CHARACTERISTICS

#### *Wholly integrated system*

**Aries** PTO electric-hydraulic drive circuit is completely integrated in the PTO itself.

#### *Multi-plate oil bath hydraulic clutch*

The plates **Aries** has chosen are the best ones available on the market and are equipped with a special sinusoidal profile which guarantees a smooth mechanical mating for the protection of the motor.



*Clutch plates*



*PTO*

#### *Adjustable electric-hydraulic system*

As well as the smooth mating guaranteed by the clutch, a special starting adjustment device allows a further adjustment of the time necessary for the PTO to reach the maximum rev speed, considering the machine used; optimizing the working of the machine tractor connection.

#### *Excellent performances*

Special tests carried out even by measuring the temperature reached by **Aries** PTO after a continuous and prolonged use demonstrate the excellent performances guaranteed by the whole system.



## OPTIONALS

*Shock absorber kit*

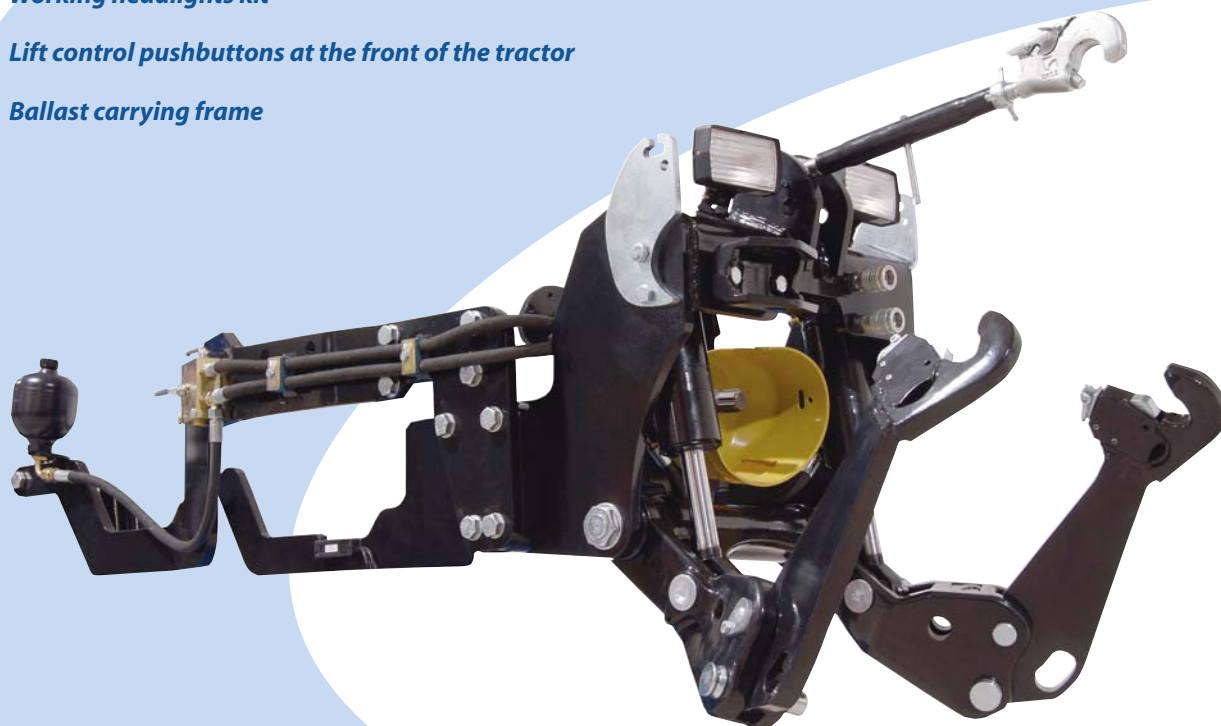
*Front chain anchor kit*

*Auxiliary hydraulic takeoffs*

*Working headlights kit*

*Lift control pushbuttons at the front of the tractor*

*Ballast carrying frame*



*Lift control pushbuttons*



*Working headlights*



*Shock absorber*



*Chain anchor*



*Auxiliary hydraulic takeoffs*



*Ballast carrying frame*



*Tiberina Technical Center in Umbertide (PG)*

**Aries** company operates in the Off-Highway sector and is, together with Cab Plus and Overmek, one of the Agricultural and Construction Equipment platform bases of **Tiberina**, an Industrial Group having 15 plants and over 1000 employees.

**Aries** gains great benefit from the strong synergies with the other **Tiberina** platform, the automotive one. Thanks to the constant exchange of technologies and know-how with one of the most innovative industrial sectors of the Country, **Aries** has enriched its range with great innovations and evidently improved the standard products already present on the market.

The platform is located in the modern **Tiberina** Technical Center in Umbertide, and it boasts first-rate equipment, resources and knowledge to study and implement product solutions characterized by high innovation and great competitiveness for the sector.



*Front Link with PTO mounted*



tiberina

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