

# Forestry crane for wood, 360° rotation with return mod. FORESTAL



## PATENTED SYSTEM

The forestry crane (patented system) is used mainly for lifting and handling of timber. It can be assembled on a transporter, two-wheeled tractors (Caron, Carraro, Goldoni), chippers and tractors, even with small engines, with three-point hitches. The cranes are designed to allow movement of materials at a substantial height.

This crane is controlled directly via the commands positioned in front of the operator's seat. Thanks to the special structure of the arms, it is possible to use the entire lorry body, even the part nearest the crane, where other loaders are inefficient



## TECHNICAL DATA

|  | TFC3000<br>FORESTAL  | TFC3500<br>FORESTAL  | TFC4200<br>FORESTAL  | TFC5100<br>FORESTAL | TFC6000<br>FORESTAL |
|--|----------------------|----------------------|----------------------|---------------------|---------------------|
| Arm length - to grab center (mm)                       | 3000                 | 3500                 | 4200                 | 5100                | 6000                |
| 1° Arm length (mm)                                     | 1650                 | 1650                 | 1650                 | 2000                | 2060                |
| 2° Arm length (mm)                                     | 1350                 | 1350                 | 1550                 | 1900                | 1900                |
| Weight (Kg)  | 450                  | 480                  | 700                  | 900                 | 1270                |
| Max weight / Max Load (senza pinza e rotore a 210 bar) | 300                  | 250                  | 400                  | 500                 | 500                 |
| Max weight 1°arm (kg)                                  | 435                  | 435                  | 700                  | 810                 | 860                 |
| Max weight 2°arm (kg)                                  | 300                  | 300                  | 550                  | 620                 | 670                 |
| MAX height (mm)  | 4500                 | 5000                 | 5500                 | 6500                | 7.500               |
| Minimum required tractor                               | 35-40 HP             | 35-40 HP             | 55-60 HP             | 80-90 HP            | 100-110 HP          |
| Central rotation                                       | 360°                 | 360°                 | 360°                 | 360°                | 360°                |
| Unlimited grab rotation                                | 360°<br>rotator TR15 | 360°<br>rotator TR15 | 360°<br>rotator TR15 | 360°<br>rotator T1  | 360°<br>rotore T3   |
| Arms   | 2                    | 2                    | 2                    | 2                   | 2                   |
| Sliding hydraulic arms                                 | -                    | 1                    | 1                    | 1                   | 1                   |
| Sliding hydraulic arm length (mm)                      | -                    | 500                  | 1000                 | 1200                | 1500                |
| Weight 1°Sliding hydraulic arms (kg)                   | -                    | 250                  | 400                  | 500                 | 570                 |
| Grab Type  | THL 30               | THL 30               | THLS 30              | THLS 30             | TP120               |

## ACCESSORIES

|  | TFC3000<br>FORESTAL | TFC3500<br>FORESTAL | TFC4200<br>FORESTAL | TFC5100<br>FORESTAL | TFC6000<br>FORESTAL |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| Excavation Kit   | 0                   | 0                   | 0                   | 0                   | -                   |
| Independent hydraulic system                                     | 0                   | 0                   | S                   | S                   | S                   |
| Seat   | 0                   | 0                   | -                   | -                   | -                   |
| Supplemental G3 step-up gear unit with power drive through shaft | -                   | -                   | 0                   | 0                   | 0                   |
| Central seat   | -                   | -                   | S                   | S                   | -                   |
| Lateral seat   | -                   | -                   | 0                   | 0                   | S                   |
| Hydraulic arm  | -                   | S                   | S                   | S                   | S                   |
| Joystick   | -                   | -                   | 0                   | 0                   | S                   |
| Tow kit not approved for the road                                | -                   | -                   | 0                   | 0                   | 0                   |

|                                    |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|
| Double pump to connect to joystick | - | - | 0 | 0 | S |
| Un-proportional radio control      | 0 | 0 | 0 | 0 | - |

O = optional / S = standard / - = not available.

## "central column" system,



Forestry crane- TFC4200 FORESTAL




In order to maintain balance during operation and when the machinery is at a halt during road transfers, these loaders have been engineered with a "central column" system, with the central axis fitted in the middle. This system avoids jolts or the tractor from turning over, when driving up-hill or down-hill.

The TFC3000 / TF C3500 / TFC 4200 / TFC5100/TFC6000 FORESTAL loaders are mainly used for timber lifting and handling. These loaders allow handling at considerable heights.

This loader is operated directly by the operator's front side controls. The TFC3000 FORESTAL. is fitted with ground side controls and without a seat.

The difference between the TFC3000 / TF C3500 / TFC 4200 / TFC5100/TFC6000 FORESTAL models is in the arm length, which also determines the identification code. The TF 380 differs from the other models because it is equipped with one arm only and a boom

## UTILIZATIONS

|  |  |
|--|--|
|   | <p>Assembly on power hoes:</p> <ul style="list-style-type: none"><li>• <a href="#">CARON</a></li></ul>   |
|   | <p><b>INDUSTRIAL VEHICLES</b></p> <p>They can be fitted to the frame behind the cabin (keeping the loading bucket free on three sides), or behind the loading bucket (with the possibility of tipping it on either sides). The loader is easily removed by pulling out the bolt (behind the loading bucket).</p> |
|  | <p><b>BIO-CHOPPERS</b></p>   |

## SUPPORT FEET

All models are equipped with large support feet which make easier the fixing and releasing of the loader, and give the required stability during operation.

The **TFC4200 - 5100 FORESTAL** models have pivot-opening leveling jacks.

The **TF C3000- 3500 FORESTAL** models are fitted with leveling jacks with manual side opening of the supporting feet of 50 cm and telescopic hydraulic descent, or they can be fitted with compass opening system like the other models.

The tower rotation is of 450°.

All versions are mounted on bearings and the arm cylinders are fitted with

OVER-CENTER valves regulating and making smoother the descent speed.



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