

## Forestry crane for wood, 360° rotation with return



### ***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

	<b>TFC3000 FORESTAL</b>	<b>TFC3500 FORESTAL</b>	<b>TFC4200 FORESTAL</b>	<b>TFC5100 FORESTAL</b>	<b>TFC6000 FORESTAL</b>
<b>Arm length - to grab center (mm)</b>	3000	3500	4200	5100	6000
<b>Weight (Kg)</b>	450	480	700	900	1270
<b>Max weight / Max Load</b>	300	250	400	500	500
<b>MAX height (mm)</b>	4500	5000	5500	6500	7.500
<b>Minimum required tractor</b>	35-40 HP	35-40 HP	55-60 HP	80-90 HP	100-110 HP
<b>Central rotation</b>	360°	360°	360°	360°	360°
<b>Unlimited grab rotation</b>	360° rotator TR15	360° rotator TR15	360° rotator TR15	360° rotator T3	360° rotore T3
<b>Arms</b>	2	2	2	2	2
<b>Sliding hydraulic arms</b>	-	1	1	1	1
<b>Sliding hydraulic arm length (mm)</b>	-	500	1000	1200	1500
<b>Grab Type</b>	THL 30	THL 30	THLS 30	THLS 30	TP120

## ACCESSORIES

	<b>TFC3000 FORESTAL</b>	<b>TFC3500 FORESTAL</b>	<b>TFC4200 FORESTAL</b>	<b>TFC5100 FORESTAL</b>	<b>TFC6000 FORESTAL</b>
<b>Excavation Kit</b>	0	0	0	0	-
<b>Independent hydraulic system</b>	0	0	S	S	S
<b>Seat</b>	0	0	-	-	-
<b>Supplemental G3 step-up gear unit with power drive through shaft</b>	-	-	0	0	O
<b>Central seat</b>	-	-	S	S	-
<b>Lateral seat</b>	-	-	0	0	S
<b>Hydraulic arm</b>	-	S	S	S	S
<b>Joystick</b>	-	-	0	0	S
<b>Tow kit not approved for the road</b>	-	-	0	0	O
<b>Double pump to connect to joystick</b>	-	-	0	0	S
<b>Un-proportional radio control</b>	0	0	0	0	-
<b>O = optional / S = standard / - = not available.</b>					

## **"central column" system,**



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**



Assembly on power hoes:

- CARON



## **INDUSTRIAL VEHICLES**

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).



## **BIO-CHOPPERS**

### ***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.





