



TIMBER FORWARDING AND TRANSPORTATION

6.2 5T FOREST TRAILER Trailer OTL-223



5T trailers are for transportation of mainly cut-to-length wood of a length between 1,2 – 4,0 m. They can be used for transportation of timber of different lengths but one must bear in mind that the center of gravity of the load should be located approximately 550 mm towards the front of the rotation axis of bogie swing-arms and the trailer should not be overloaded.

The trailer should be aggregated with tractors equipped with a pick up hitch for single-axle trailers with a minimum load capacity of 16 kN (approximately 1600 kg). To fully utilize the trailers' capacity, the tractor aggregated should have at least 60 kW power and provide proper parameters of external hydraulic system to power the crane and the drawbar steering.



On individual orders the trailer can be produced in different equipment versions (e.g. stiff drawbar).

TECHNICAL PARAMETERS

Parameter	Unit	Value
Load capacity	kg	5 000
Trailer weight	kg	1 680
Force on hitch by empty trailer	kN	219
Load area	m ²	1,66
Length of main beam behind head rack	mm	2 450
Trailer's dimensions		
- length		5 235
- width	mm	1 570
- height		1 750
Number of wheels	pcs.	4
Chassis type		bogie
Wheel base	mm	960
Brakes		No
Electric system	V	No
Maximum transport speed	km/h	40
Drawbar steering angle	°	38
Recommended tractor:		
- force on hitch	kN	1600
- power	HP	min. 75
Hydraulic pressure required	MPa	Min. 17,5
Oil in hydraulic system		HIPOL 6
Standard load		Max log length = 4 m
Recommended crane OTL 40T (see information card 6.8)		
- lifting torque gross	kNm	approximately 20
- grapple gripping area tip to tip	m ²	0,12
- maximum outreach	m	4,75