

Tractor forest trailer 2PTL-10

Our semi-trailer is designed for assembly, loading, transportation on forest, on-farm and public roads, as well as unloading, sorting and storing wood assortment in pieces no longer than 6 m. It is used both separately, without a crane-manipulator, and with a crane installed on it. Our semi-trailers are powered by ONIAR 6800 manipulators from Estonia.

Technical characteristics

Parameter	Value
1. Type	Semi-trailer
2. Tractor drawbar category	1,4 and higher
3. Carrying capacity, kg, max	9 800
4. Cargo area length, mm, min	4 390
5. Loading surface (area of section), m ² , max	2,3
6. Number of bogie, each	2
7. Track width, mm, max	1 766
8. Number of wheels on each bogie, each	2
9. Wheel base, mm	1 200
10. Top speed with cargo, km/h, max:	
- on roads	30
- in forest	10
11. Gross weight (with crane and cargo), kg, max	13 200
12. Gross trailer weight distribution, kg, max	
- trailer hitch	2 200
- bogies	11 000
13. Overall dimensions, mm, max	
- length	6 910
- width	2 266
- height (without crane)	2 200
14. Ground clearance, mm, min	501
15. Posts height (from the frame level), mm, max	1 355
16. Operating personnel	1
17. Brake system type	Single line air brake on the front axle
18. Brake mechanism type	Drum
19. Maintenance efficiency, min	0,8
20. Reliability efficiency of the technological process, min	0,99
21. Trailer connection manpower effort, man/hour, max	0,15
22. Lifetime, years, min	7
23. Average time between failures (II and III complexity group), h, min	500
24. Daily maintenance, h, max	0,15
25. Unloading efficiency, %, min	99
26. Parking brake system	Manual mechanic
27. Hydraulic system working pressure, MPa, min	20
28. Safety of cargo during transportation, %	99
29. Wheels:	
- standard	Tires KΦ-97 16,5/70-18PR10 (0,37 MPa) Rims 13x18 ET-0
- optional	Tires 500/50-17 18PR BKT FL 648 TL (0,4 MPa) Rims 16.00x17 ET-0
31. Cumulative life, h, min	8 000