

ALLIANCE
FORESTRY

TRA: **I-3**
Speed Rating: **A6**

Alliance 331 Flotation diagonal forestry tire is developed mainly for use in modern forestry harvesters and forwarders besides its standard applications like wheeled excavators, loaders and dumpers working in challenging terrains. The tire can also be used for applications in agriculture especially on heavy and abrasive surfaces. It is designed with high traction and low slip abilities for better fuel economy. The tires huge volume contributes to low soil compaction and better ride comfort in forestry and agricultural applications. The main construction characteristics of this tire are strong nylon casing and steel belts, high under tread gauge, strong and thick sidewalls, special tread compound and protective mud guard. All of this promises long tire life under heavy working conditions in forests as well as smooth working in fields.

FORESTRY - 500/60-22.5 Steel Belted

Size	Rim	Unloaded Dimension		Loaded Static radius inch	Rolling Circumference inch	Load Index PR Symbols	Inflation Pressure psi	Recommended Load						
								Speed						
								Recommended load, kg (lbs)						
								Drive wheel					Forestry use	
		SW inch	OD inch					Static mph	6 mph	12 mph	19 mph	25 mph	6*HT mph	6*LT mph
500/60-22.5 Steel Belted	16.00DC	19.8	46.1	20.4	136.7	20PR	52	19030	11570	9170	8840	8270	8270	10160
						158A8 165A2	58	21560	13120	10410	10030	9370	9370	11530

Size	Rim	Unloaded Dimension		Loaded Static radius inch	Rolling Circumference inch	Load Index PR Symbols	Inflation Pressure psi	Recommended Load					
								Speed					
								Drive Wheel Application					
		SW inch	OD inch					Static mph	9 mph	16 mph	19 mph	25 mph	31 mph
500/60-22.5	16.00DC	19.8	46.1	20.4	136.7	16PR	22	11200	7320	5400	5200	4870	4430
							35	14750	9630	7120	6860	6420	5840
						151A8	38	15480	10100	7470	7190	6720	6130
							41	16180	10560	7800	7520	7030	6390
							44	16840	10980	9000	7830	7320	6660
							46	17510	10190	8440	8140	7610	6920

Note: For above mentioned size 8 PR is no longer active for production. 1)When tires equip vehicles subject to haulage cyclic high load variations excluding transport application on long distances, i.e. vehicles used on round trips (e.g. from field to farm) where on one way the vehicle is empty & on the other way the gross vehicle mass exceeds two times the mass of empty vehicle (last two rows in the table). 2) Load for intermediate speed should be taken as an average between two close speeds 3) Load at lower speed than 10km/h may be similar to the load for 10km/h. 4) Steel Belt Available in 16, 20 PR only.