



ALLIANCE
AGRICULTURE

TRA: **I-3**
Speed Rating: **A8/B**



FLOTATION

Alliance 328 Flotation tire is a specially designed tire constructed to carry heavy loads and is used in harsh conditions. It provides improved stability over dual-tire configuration. The tire also provides much better ride comfort, higher machine mobility, better self cleaning and better overall performances on road. 328 comes in Steel Belted, Fabric and Heavy Duty variants for different sizes. Apart from its standard applications in trailers, forestry trailers and forest harvesters, the special HD tire is also developed for agricultural baler applications.

For ATC Tires Pvt Limited



Dan Steltmann
Chief Technology Officer



IMPLEMENT - 500/45-22.5

Size	Rim	Unloaded Dimension		Loaded Static radius mm	Rolling Circumference mm	Load Index PR Symbols	Inflation Pressure bar	Recommended Load							
		SW mm	OD mm					Speed							
								Drive Wheel				Free rolling			
								10 kmph	25 kmph	40 kmph	50 kmph	10 kmph	25 kmph	40 kmph	50 kmph
500/45-22.5	16.00DC	500	1030	455	3153	8PR	1.5	2200	1870	1570	1410	3150	2680	2250	2030
						140A8↻ 136B↻ 127A8○ 124B○	1.7	2370	2010	1690	1520	3390	2880	2420	2180
							1.8	2450	2080	1750	1580	3500	2980	2500	2250
							2.5	3500	2970	2500	2260	4200	3580	3000	2700
						12PR	2.3	2860	2430	2040	1840	4020	3420	2870	2580
						148A8↻ 148B↻ 136A8○ 132B○	2.5	3000	2550	2140	1930	4210	3580	3010	2710
							2.7	3140	2670	2240	2020	4410	3750	3150	2840
							3.7	4490	3820	3200	2890	5290	4500	3780	3410
						16PR	0.8	1540	1310	1100	990	2170	1840	1550	1400
						154A8↻ 150B↻ 142A8○ 138B○	1.2	1950	1650	1390	1250	2760	2340	1970	1770
							2	2630	2240	1880	1690	3720	3170	2660	2390
							2.4	2930	2490	2090	1880	4140	3520	2960	2660
3.6	3710	3150	2650	2390	5250		4460	3750	3380						

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								10 kmph	25 kmph	40 kmph	50 kmph	10 kmph	25 kmph	40 kmph	50 kmph
500/45-22.5	AG16.00x22.5	500	1030	455	3153	18PR 157A8 145A8	0.8	1540	1310	1100	990	2180	1860	1560	1400
							1.7	2390	2030	1710	1539	3400	2890	2430	2190
							2.6	3070	2610	2190	1971	4370	3710	3120	2810
							3.5	3650	3110	2610	2349	5190	4410	3710	3340
							4.2	4060	3450	2900	2610	5780	4910	4125	3710

16 PR SKU is available in C marked which is best fit for sugarcane applications. Highlighted rows indicate cyclic high load variations. 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) When fitted on tractor steering wheels load capacities are 80% of free rolling and inflation pressure 20% higher. 3) For 10 KM/H and stationary use inflation pressure raised 20% and 25% respectively. 4) Load for intermediate speed should be taken as an average between two close speeds 5) Load at lower speed than 10km/h may be similar to the load for 10km/h. 6) Size with # is available in C marked which is best fit for sugarcane application only.

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