

324 R-1



Alliance 324 drive wheel is a heavy duty tractor tire for all types of heavy services. The 45 degree self-cleaning deep lugs are especially designed to provide high traction and long life under hard working conditions, including on-the-road service. A strong nylon carcass ensures full power transmission, as well as good resistance to mechanical failures and moisture deterioration.



Size	Rim	Unloaded dimension		Loaded Static Radius	Rolling Circum	PR, Load Index Speed Symbol	Infl. press	Recommend load, kg (lbs)												
		SW	OD					Speed, km/h (mph)												
								Not high and sustained torque; Road transport										Field operation		
								Static	10	20	30	40	50	Low Torque	High Torque					
mm in	mm in	mm in	mm in	Bar psi	6	12	19	25	31	6	12	10								
9.5-20	W8	241	940	442	2845	6PR	2.1	1900	1240	1010	880	825	750	1160	990	880				
	W7	9.5	37	17.4	112	101A8	30	4190	2730	2230	1940	1820	1650	2560	2180	1940				
9.5-22	W8	241	996	468	3013	101A8	32	4560	2970	2440	2110	1980	1810	2780	2380	2110				
						8	2.7	2190	1430	1170	1020	950	—	1330	1140	—				
	W7	9.5	39.2	18.4	118.6	106A8	39	4820	3150	2580	2250	2090	—	2930	2510	—				
						6	1.8	2440	1590	1300	1130	1060	960	1480	1270	1130				
11.2-24	W10	284	1105	512	3314	110A8	26	5370	3500	2860	2490	2330	2110	3260	2800	2490				
	8					2.4	2880	1880	1540	1340	1250	1140	1750	1500	1340					
	116A8					35	6350	4150	3400	2950	2760	2510	3860	3310	2950					
12.4-24	W11 W10 W10H	315	1160	533	3461	6	1.7	2790	1820	1490	1300	1215	1110	1700	1460	1300				
				21	136.3	115A8	25	6150	4010	3280	2860	2680	2440	3740	3220	2860				
				545	3525	8	2.3	3340	2180	1780	1550	1450	1320	2030	1740	1550				
				21.5	138.8	121A8	33	7360	4810	3920	3420	3200	2910	4480	3840	3420				
				533	3461	10	2.9	3820	2490	2040	1780	1660	1510	2320	1990	1780				
				21	136.3	125A8	42	8410	5480	4490	3920	3660	3330	5110	4380	3920				
13.6-24	W12	345	1210	551	3457	12	3.5	4255	2775	2275	1980	1850	1685	—	—	—				
				21.7	136.1	129A8	51	9380	6118	5015	4365	4078	3715	—	—	—				
				549	3584	8	2	3550	2320	1710	1650	1545	1390	—	—	—				
		13.6	47.6	21.6	141.1	123A8	29	7830	5120	3770	3640	3410	3060	—	—	—				

Size	Rim	Unloaded dimension		Loaded Static Radius	Rolling Circum	PR, Load Index Speed Symbol	Infl. press	Recommend load, kg (lbs)												
		SW	OD					Speed, km/h (mph)						Field operation						
								Not high and sustained torque; Road transport						Low Torque			High Torque			
								Static	10 6	20 12	30 19	40 25	50 31	10 6	20 12	30 19				
14.9-24	W13	378	1265	574	3745	6	1.4	3570	2330	1910	1660	1550	1410	2170	1860	1660				
	W12					8	1.8	4140	2700	2210	1930	1800	1640	2520	2160	1930				
	W9					14.9	49.8	22.6	147.4	128A8	26	9130	5950	4870	4260	3970	3620	5560	4760	4260
8.3-24	W7	211	995	470	3020	6	2.4	1840	1200	980	860	800	730	1120	960	860				
						100A8	35	4050	2640	2160	1890	1760	1610	2470	2110	1890				
						8	3.1	2130	1390	1140	990	925	840	1295	1110	990				
						105A8	45	4700	3060	2510	2180	2040	1850	2860	2450	2180				
						10	3.8	2415	1575	1290	1125	1050	955	1470	1260	1120				
9.5-24	W8	241	1050	493	3175	6	2.1	2190	1430	1170	1020	950	860	1330	1140	1020				
						19.4	125	106A8	30	4820	3150	2580	2250	2090	1890	2930	2510	2250		
						500	3196	8	2.8	2580	1680	1380	1200	1120	1020	1570	1340	1200		
						9.5	41.3	19.7	125.8	112A8	41	5690	3700	3040	2650	2470	2250	3460	2950	2650
						493	3175	10	3.5	2960	1930	1580	1370	1285	1170	1800	1540	1370		
18.4-26	W16L	467	1450	646	4244	6	1.1	4600	3000	2460	2140	2000	1820	2800	2400	2140				
						19.4	125	132A8	16	10130	6610	5420	4710	4410	4010	6170	5290	4710		
						500	3196	12	2.3	6900	4500	3690	3210	3000	2730	4200	3600	3210		
						18.4	57.1	25.4	167.1	146A8	33	15200	9910	8130	7070	6610	6010	9250	7930	7070
						11.2-28	W10	284	1205	560	3621	8	2.4	3040	1980	1620	1410	1320	1200	1850
12.4-28	W10H	315	1260	583	3776	8	2.3	3570	2330	1910	1660	1550	1410	2170	1860	1660				
						123A8	33	7870	5140	4210	3660	3420	3110	4780	4100	3660				
						12	2.5	3795	2475	2030	1765	1650	1500	-	-	-				
13.6-28	W12	345	1310	615.67	4010	125A8	29	8380	5470	4480	3900	3640	3310	5090	4370	3900				
						12	3	4880	3180	2350	2270	1910	2970	2540	2270					
						24.0	156.8	134A8	44	10750	7000	5180	5000	4670	4210	6540	5590	5000		
						6	1.8	4370	2850	2340	2030	1900	1730	2660	2280	2030				
						125A8	26	9630	6280	5150	4470	4190	3810	5860	5020	4470				
16.9-28	W15L	429	1435	645	4223	6	1.3	4260	2780	2280	1980	1850	1680	2590	2220	1980				
						129A8	19	9380	6120	5020	4360	4070	3700	5700	4890	4360				
						10	2	5590	3650	2990	2600	2430	2210	3400	2920	2600				
						139A8	29	12310	8040	6590	5730	5350	4870	7490	6430	5730				
						12	2.4	6270	4090	3350	2920	2725	2480	3820	3270	2920				
8.3-28	W7	211	1095	521	3338	6	2.4	2010	1310	1080	940	875	800	1230	1050	940				
						103A8	35	4430	2890	2380	2070	1930	1760	2710	2310	2070				
						8	3.2	2380	1550	1270	1110	1035	940	1450	1240	1110				
						109A8	46	5240	3410	2800	2440	2280	2070	3190	2730	2440				
						14.9-30	W13	378	1415	658	4261	6	1.4	3910	2550	2090	1820	1700	1550	2380
16.9-30	W15L	429	1485	667	4369	126A8	20	8610	5620	4600	4010	3740	3410	5240	4490	4010				
						8	1.8	4600	3000	2460	2140	2000	1820	2800	2400	2140				
						132A8	26	10130	6610	5420	4710	4410	4010	6170	5290	4710				
						6	1.3	4370	2850	2340	2030	1900	1730	2660	2280	2030				
						130A8	19	9630	6280	5160	4480	4190	3810	5860	5030	4480				
						8	1.7	5290	3450	2830	2460	2300	2090	3220	2760	2460				
						137A8	25	11660	7610	6240	5420	5070	4610	7100	6090	5420				
						10	2.1	5920	3860	3170	2760	2575	2340	3610	3090	2760				
						141A8	30	13050	8510	6990	6090	5680	5160	7960	6810	6090				
18.4-30	W16L	467	1550	718	4769	12	2.3	7480	4880	4000	3480	3250	2960	4550	3900	3480				
						28.3	187.8	149A8	33	16480	10750	8810	7670	7160	6520	10020	8590	7670		
						714	4704	14	2.7	8170	5330	4370	3800	3550	3230	4970	4260	3800		
						28.1	185.2	152A8	39	18000	11740	9630	8370	7820	7110	10950	9380	8370		
						693	4546	16	3.1	8900	5810	4760	4140	3870	3520	5420	4640	4140		
12.4-32	W11L	315	1360	633	4090	27.3	179	155A8	45	19600	12800	10480	9120	8520	7750	11940	10220	9120		
						6	1.6	3130	2040	1670	1460	1360	1240	1900	1630	1460				
						119A8	23	6890	4490	3680	3220	3000	2730	4190	3590	3220				
						8	2.2	3800	2480	2030	1770	1650	1500	2310	1980	1770				
						125A8	32	8370	5460	4470	3900	3630	3300	5090	4360	3900				
9.5-32	W8	241	1251	600	3416	6	2.1	2190	1430	1170	1020	950	860	1330	1140	1020				
						106A8	30	4820	3150	2580	2250	2090	1890	2930	2510	2250				

Size	Rim	Unloaded dimension		Loaded Static Radius	Rolling Circum	PR, Load Index Speed Symbol	Infl. press	Recommend load, kg (lbs)									
		SW	OD					Speed, km/h (mph)					Field operation				
		mm in	mm in	Not high and sustained torque; Road transport													
				Static	10 6	20 12	30 19	40 25	50 31	Low Torque			High Torque				
16.9/14-34	W15 DW14	429 16.9	1585 62.4	725 28.5	4716 185.7	6	1.3	4740	3090	2530	2200	2060	1870	2880	2470	2200	
						133A8	19	10440	6810	5570	4850	4540	4120	6340	5440	4850	
						10	2	6100	3980	3260	2840	2650	2410	3710	3180	2840	
						142A8	29	13440	8770	7180	6260	5840	5310	8170	7000	6260	
						14	2.8	7480	4880	4000	3480	3250	2960	4550	3900	3480	
18.4-34	W16L DW16 W15L	467 18.4	1650 65	761 30.0	5061 199.3	10	1.8	6900	4500	3690	3210	3000	2730	4200	3600	3210	
						146A8	26	15200	9910	8130	7070	6610	6010	9250	7930	7070	
						14	2.5	8400	5480	4490	3910	3650	3320	5110	4380	3910	
						153A8	36	18500	12070	9890	8610	8040	7310	11260	9650	8610	
						649.2	4140	6	2.1	2370	1550	1270	1100	1030	940	1440	1240
9.5-36	W8 W7	241 9.5	1353 53.3	25.6 645	163.0 4160	109A8	30	5220	3410	2800	2420	2270	2070	3170	2730	2420	
						14	5	4740	3090	2530	2200	2060	1870	2880	2470	2200	
						133A8	73	10440	6810	5570	4850	4540	4120	6340	5440	4850	
12.4-36	W11L W10 W10H	315 12.4	1465 57.7	682 26.9	4407 173.5	6	1.7	3340	2180	1780	1550	1450	1320	2030	1740	1550	
						121A8	25	7360	4800	3920	3410	3190	2910	4470	3830	3410	
						10	2.8	4490	2930	2400	2090	1950	1770	2730	2340	2090	
131A8	41	9890	6450	5290	4600	4300	3900	6010	5150	4600							

Size	Rim	Unloaded dimension		Loaded Static Radius	Rolling Circum	PR, Load Index Speed Symbol	Infl. press	Recommend load, kg (lbs)				
		SW	OD					Speed, km/h (mph)				
		mm in	mm in	Mixed Application								
				Static	10 6	20 12	30 19	40 25				
6.5/80-12	5J	163 6.4	587 23.1	302.2 11.9	1772 69.8	6	3.6	1040	630	540	450	410
						80A6 77A8	52	2290	1390	1190	990	900

Size	Rim	Unloaded Dimension		Loaded Static radius	Rolling Circumference	Load Index PR Symbols	Inflation Pressure	Recommended Load											
		SW	OD					Speed											
		mm in	mm in	Tractor application															
				Static	5	10	15	20	25	30	35	40	45	50					
8.3/8-24	W7	211 8.3	995 39.2	478 18.8	3190 125.6	8	3.1	2280	1570	1390	1240	1140	1030	990	950	925	890	840	
								45	5030	3460	3060	2730	2510	2270	2180	2090	2040	1960	1850
12.4/11-28	11	315 12.4	1260 49.6	599 23.6	1827 71.9	12	2.8	4070	2810	2480	2210	2030	1830	1770	1700	1650	1580	1500	
								41	8970	6200	5470	4870	4480	4030	3900	3750	3640	3480	3310
14.9/13-28	W13 W10H	378 14.9	1365 53.7	618 24.4	4036 155.6	12	2.6	5820	4010	3540	3160	2900	2620	2530	2430	2360	2270	2150	
								38	12830	8840	7800	6970	6390	5780	5580	5360	5200	5000	4740
14.9/13-28	13	378 14.9	1365 53.7	619 24.3	3951 158.9	12	2.6	5820	4010	3540	3160	2900	2620	2530	2430	2360	2270	2150	
								38	12830	8840	7800	6970	6390	5780	5580	5360	5200	5000	4740
16.9/14-30	15	429 16.9	1485 58.5	685 27	4506 177.4	6	1.3	4670	3230	2850	2550	2340	2110	2030	1960	1900	1820	1730	
								19	10300	7120	6280	5620	5160	4650	4480	4320	4190	4010	3810
12.4/11-36	W11L W10 W10H	315 12.4	1465 57.7	682 26.9	4407 173.5	8	2.2	4190	2890	2550	2280	2090	1890	1820	1750	1700	1630	1550	
								32	9240	6370	5620	5030	4610	4170	4010	3860	3750	3590	3420
12.4/11-36	11	315 12.4	1465 57.7	701 27.6	4523 178.1	8	2.2	4190	2890	2550	2280	2090	1890	1820	1750	1700	1630	1550	
								32	9240	6370	5620	5030	4610	4170	4010	3860	3750	3590	3420

324 HEAVY DUTY

Size	Rim	Unloaded dimension		Loaded Static Radius	Rolling Circum	PR	Free/Drive	Infl. press.	Recommend load, kg (lbs)							
		SW	OD						Speed, km/h (mph)							
		mm in	mm in	Free rolling				Drive Wheel								
				Load index speed Sym	bar psi	10 6	20 12	30 19	40 25	10 6	20 12	30 19	40 25			
15.5/80-24	W12 W13 W14L	384 15.1	1262 49.7	566 22.3	3786 149.1	10	154A6	2.5	4840	4280	3750	3380	3420	3020	2650	2390
							150A8	36	10660	9430	8250	7440	7530	6650	5840	5260
						12	157A6	3	5320	4700	4125	3710	3740	3310	2900	2610
							154A8	44	11720	10350	9090	8170	8240	7290	6390	5750
						16	163A6	4	6290	5560	4875	4390	4450	3930	3450	3110
159A8	58	13850	12250	10740	9670		9800	8660	7600	6850						
16.5/85-28	W13 W14L W15L	417 16.4	1423 56	626 24.6	4130 162.6	12	163A6	2.8	6290	5560	4875	4390	4450	3930	3450	3110
							159A8	41	13850	12250	10740	9670	9800	8660	7600	6850