

304 R-1



The Alliance 304 is an R-1 tread drive wheel tire for application as Rear tractor tire. Its knife like lugs is designed for deeper penetration of the ground. The double angle design with a wide space between lugs ensures efficient self-cleaning properties in any kind of soil. The design, based on 45° angle bar with center studs, provides better resistance to side slippage and continuous rolling. The tire is recommended for hillside operations and for occasional short drives on-the-road. A strong nylon carcass guards against mechanical failures and moisture deterioration.



Size	Rim	Unloaded dimension		Loaded Static Radius	Rolling Circum	Load Index Speed Symbol	Infl. press	Recommend load, kg (lbs)								
		SW	OD					Speed, km/h (mph)								
								Not high and sustained torque:						Field operation		
								Road transport						Low Torque		
mm in	mm in	mm in	mm in	Bar psi	Static	10 6	20 12	30 19	40 25	50 31	10 6	20 12	10 6			
18.4-28	W16L	467	1500	672	4406	8	1.4	5430	3540	2900	2530	2360	2150	3300	2830	2530
	W15L	18.4	59.1	26.5	173.5	138A8	20	11970	7800	6390	5580	5200	4740	7280	6240	5580
13.6-36	W12	345	1515	703	4548	8	2.1	4490	2930	2400	2090	1950	1770	2730	2340	2090
	DW12	13.6	59.6	27.7	179.1	131A8	30	9900	6460	5290	4610	4300	3900	6020	5160	4610
12.4-38	W11 X 38	315	1515	718.05	4576	6	1.7	3450	2250	1850	1610	1500	1370	2100	1800	1610
	DW21A X 38	12.4	59.6	28.3	180.2	122A8	25	7610	4960	4080	3550	3310	3020	4630	3970	3550
13.6-38	W12 X 38	345	1565	736.3	4709	8	2	4490	2930	2400	2090	1950	1770	2730	2340	2090
	DW12A X 38	13.6	61.6	29.0	185.4	131A8	29	9900	6460	5290	4610	4300	3900	6020	5160	4610
14.9-38	W13 DW12	378	1615	748	4843	8	1.8	4360	3270	2660	2330	2180	1980	3050	2620	2330
	W12	14.9	63.6	29.4	190.7	135A8	26	9610	7210	5860	5140	4810	4370	6720	5780	5140

Size	Rim	Unloaded Dimension		Loaded Static radius	Rolling Circumference	Load Index	Inflation Pressure	Recommended Load							
		SW	OD					Speed							
								Drive Wheel Application							
								Static	15	20	25	30	40	50	
mm in	mm in	mm in	mm in	PR Symbols	bar psi	kmph	kmph	kmph	kmph	kmph	kmph	kmph			
14.9-38 (13-38)	W13X38	378	1615	748	4914	12	2.6	5589	3256	2989	2697	2600	2430	2211	
	W12X38														
	DW12AX38	14.9	63.6	29.4	193.5	139A8	38	12322	7178	6590	5946	5732	5357	4874	

Size	Rim	Unloaded Dimension		Loaded Static radius	Rolling Circumference	Load Index	Inflation Pressure	Recommended Load					
		SW	OD					Speed					
								Tractor application					
								Static	10	20	30	40	50
mm in	mm in	mm in	mm in	PR Symbols	bar psi	kmph	kmph	kmph	kmph	kmph	kmph		
12.4-38/11-38	W11X38 DW12AX38, W12X38	315	1515	718	4561	6	1.7	3450	2250	1845	1605	1500	1365
		12.4	59.6	28.3	179.6	122A8	25	7610	4960	4070	3540	3310	3010
13.6-38/12-38	W12X38 DW12AX38, W11X38	345	1565	736	4691	8	2	4485	2925	2399	2087	1950	1775
		13.6	61.6	29	184.7	131A8	29	9890	6450	5290	4600	4300	3910

Size	Rim	Unloaded Dimension		Loaded Static radius	Rolling Circumference	Load Index PR Symbols	Inflation Pressure	Recommended Load									
								Speed									
		SW	OD	mm	mm	mm	mm	bar	Field operation						High Tor	Low Torque	
									Not high and sustained torque; Road transport							10	10
									Static	10	20	30	40	50	kmph		
psi	kmph	kmph	kmph	kmph	kmph	kmph	kmph	kmph	kmph	kmph	kmph	kmph					
12.4-24	W11 W10 W10H	315	1160	533	3461	4PR	1.1	2190	1430	1170	1020	950	860	1020	1330	1140	
		12.4	45.7	21	136.3	106A8	16	4830	3150	2580	2250	2090	1900	2250	2930	2510	
						6PR	1.7	2790	1820	1490	1300	1215	1110	1300	1700	1460	
						115A8	25	6150	4010	3290	2870	2680	2450	2870	3750	3220	
						8PR	2.3	3340	2180	1780	1550	1450	1320	1550	2030	1740	
				121A8	33	7360	4810	3920	3420	3200	2910	3420	4480	3840			
14.9-24	W13 W12	378	1265	574	3745	4PR	0.9	1200	1570	1340	2580	1680	1380	1200	1120	1020	
		14.9	49.8	22.6	147.4	112A8	13	2650	3460	2950	5690	3700	3040	2650	2470	2250	
						6PR	1.4	1660	2170	1860	3570	2330	1910	1660	1550	1410	
						123A8	20	3660	4780	4100	7870	5140	4210	3660	3420	3110	
						8PR	1.8	1930	2520	2160	4140	2700	2210	1930	1800	1640	
				128A8	26	4260	5560	4760	9130	5950	4870	4260	3970	3620			
16.9-24	W15L W15A W14L W14A	429	1335	601	3933	6PR	1.3	4030	2630	2150	1870	1750	1590	1870	2450	2100	
		16.9	52.6	23.7	154.8	127A8	19	4120	5400	4630	8890	5800	4740	4120	3860	3510	
						8PR	1.7	4740	3090	2530	2200	2060	1870	2200	2880	2470	
						133A8	25	4850	6350	5450	10450	6810	5580	4850	4540	4120	
11.2-28	W10 W10H W9	284	1205	560	3621	4PR	1.2	2010	1310	1080	940	875	800	940	1230	1050	
		11.2	47.4	22	142.6	103A8	17	4430	2890	2380	2070	1930	1760	2070	2710	2320	
						6PR	1.8	2580	1680	1380	1200	1120	1020	1200	1570	1340	
						112A8		5690	3700	3040	2650	2470	2250	2650	3460	2950	
12.4-28	W11 W10 W10H	315	1260	583	3776	4PR	1.1	1100	1440	1240	2370	1550	1270	1100	1030	940	
						109A8	16	2430	3180	2730	5230	3420	2800	2430	2270	2070	
						6PR	1.7	1370	1800	1540	2960	1930	1580	1370	1285	1170	
						117A8	25	3020	3970	3400	6530	4260	3480	3020	2830	2580	
13.6-28	W12 W11	345	1310	596	3885	4PR	1	1200	1570	1340	2580	1680	1380	1200	1120	1020	
		13.6	51.6	23.5	153	112A8	15	2650	3460	2950	5690	3700	3040	2650	2470	2250	
						6PR	1.6	1550	2030	1740	3340	2180	1780	1550	1450	1320	
						121A8		3420	4480	3840	7360	4810	3920	3420	3200	2910	
						8PR	2	1770	2310	1980	3800	2480	2030	1770	1650	1500	
				125A8		3900	5090	4370	8380	5470	4480	3900	3640	3310			
14.9-28	W13 W12	378	1365	618	4036	6PR	1.4	1770	2310	1980	3800	2480	2030	1770	1650	1500	
		14.9	53.7	24.3	158.9	125A8	20	3900	5090	4370	8380	5470	4480	3900	3640	3310	
						8PR	1.8	2030	2660	2280	4370	2850	2340	2030	1900	1730	
						130A8	26	4480	5860	5030	9630	6280	5160	4480	4190	3810	