



FIRESTONE AG PRODUCT BULLETIN

AD² RADIAL ALL TRACTION 23° TIRES

DESCRIPTION: Radial All Traction 23° Tires
SIZES: See size chart below. Offered in IF.
APPLICATIONS: Agriculture equipment



Firestone

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- With Firestone’s innovative 23° tread design, more bars grip the surface, making it ideal for farmers looking for increased traction while more efficiently transferring horsepower to the ground, saving both time and fuel.*
- When compared to a 45° tread, Firestone’s 23° tires are able to cover an average of 37 more feet per quarter mile, or about 3% more ground in the same time leading to improved efficiency while in the field.
- A wide selection of IF- and VF-designated tires featuring AD² technology, which helps farmers carry heavier loads at the same pressure as standard tires, or the same loads at reduced inflation pressure. This leads to reduced fuel use and reduced soil compaction.

RADIAL ALL TRACTION 23° TIRES

Tire Size	Material Number	Load Index	Speed Symbol Rating	Weight	Design Rim Width (in.)	Overall Width (in.)	Overall Diameter (in.)	Static Loaded Radius (in.)	Rolling Circum.	Rolling Circum. Index	Bar Height 32nds	Bar Height (in.)	Flat Plate (in. ²)	Max. Load & Infl. (lbs. @ psi)
23.1R26	379-375	166	B	456	20.00	24.0	63.3	29	188	43	53	1.66	292	11700 @ 46
24.5R32	352-926	154	B	586	21.00	24.5	71.0	31	209	45	53	1.66	440	8250 @ 18
30.5LR32	356-204	170	B	758	27.00	30.5	71.6	31	211	45	55	1.72	500	13200 @ 30
900/60R32	362-800	176	B	947	27.00	34.3	75.4	33	226	46	61	1.91	604	15700 @ 35
IF900/60R32CFO	000-903	182	B	885	30.00	36.8	74.6	33	226	46	61	1.91	625	18700 @ 35
IF900/60R32CFO	003-149	188	B	908	32.00	37.0	75.6	34	226	46	61	1.91	671	22000 @ 46
480/85R34	362-392	149	B	339	16.00	18.8	65.4	29	194	44	50	1.56	320	7150 @ 23
23.1R34	352-969	151	B	493	20.00	23.1	71.2	31	210	45	52	1.63	425	7600 @ 18
520/85R34	371-249	162	A8	458	18.00	21.2	68.2	30	202	45	52	1.63	360	10500 @ 41
IF520/85R34	380-395	168	B	454	18.00	21.3	69.0	30	202	45	52	1.63	336	12300 @ 41
16.9R38	352-985	141	B	295	15.00	17.2	66.5	30	198	44	49	1.53	255	5680 @ 24
420/85R38	379-120	144	B	286	15.00	17.2	66.5	30	198	44	49	1.53	255	6150 @ 23
480/80R38	362-341	149	B	361	16.00	18.8	69.1	31	206	45	50	1.56	340	7150 @ 23
520/85R38	362-375	155	B	431	18.00	21.2	72.2	32	214	46	52	1.63	390	8550 @ 23
480/80R42	362-324	151	B	402	16.00	18.8	73.0	33	218	46	50	1.56	350	7600 @ 23
480/80R42	364-092	154	B	399	16.00	18.8	73.0	33	218	46	50	1.56	350	8250 @ 29
520/85R42	362-358	157	B	458	18.00	21.2	76.2	34	228	47	52	1.63	420	9100 @ 23
520/85R42	369-600	165	B	499	18.00	21.2	76.2	34	228	47	52	1.63	420	11400 @ 41
IF520/85R42CFO	000-560	169	B	523	18.00	22.0	76.5	34	228	47	52	1.63	430	12800 @ 35
14.9R46	343-323	145	B	310	13.00	15.0	71.8	33	220	46	47	1.47	240	6400 @ 36
420/80R46	352-829	151	B	370	13.00	16.3	73.2	34	220	46	49	1.53	300	7600 @ 35
420/80R46	371-640	161	B	368	13.00	16.5	72.4	34	218	46	49	1.53	300	10200 @ 58
IF420/80R46	000-558	167	B	379	13.00	15.8	72.3	33	218	46	49	1.53	303	12000 @ 58
480/80R46	362-273	158	B	435	16.00	18.7	77.1	35	231	47	50	1.56	365	9350 @ 35
480/80R46	372-269	158	B	448	16.00	18.7	77.1	35	231	47	50	1.56	365	9350 @ 35

*When compared to a standard 45° pattern

RADIAL ALL TRACTION 23° TIRES: LOAD AND INFLATION TABLES — TIRES USED AS SINGLES AND TIRE LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES

Tire Size	kPa	40	60	70	80	100	110	120	140	150	160	180	190	210	250
	psi	6	8	10	12	14	16	18	20	22	24	26	28	30	36
23.1R26	kg	1600	1900	2180	2430	2650	2900	3075	3250	3450	3650	3750	4000	4125	
	lbs.	3520	4180	4800	5360	5840	6400	6800	7150	7600	8050	8250	8800	9100	
	LI							147			153			157	
24.5R32	kg	1950	2310	2650	2900	3250	3450	3750							
	lbs.	4300	5080	5840	6400	7150	7600	8250							
	LI							154							
30.5LR32	kg	2300	2800	3150	3450	3875	4125	4375	4750	5000	5300	5450	5800	6000	
	lbs.	5080	6150	6950	7600	8550	9100	9650	10500	11000	11700	12000	12800	13200	
	LI							159			166			170	
23.1R34	kg	1800	2120	2430	2725	2800	3075	3250							
	lbs.	3960	4680	5360	6000	6600	7150	7600							
	LI							151							
16.9R38	kg	1120	1320	1500	1700	1850	2000	2120	2240	2430	2575				
	lbs.	2470	2910	3300	3740	4080	4400	4680	4940	5360	5680				
	LI							134			141				
14.9R46	kg	875	1030	1180	1320	1450	1550	1650	1750	1850	1950	2060	2120	2240	2500
	lbs.	2270	2680	3080	3420	3740	3960	4300	4540	4800	5080	5360	5520	5840	6400
	LI							125			131			136	140
Tire Size	kPa	40	60	80	100	120	140	160	180	200	240	280	320	360	400
	psi	6	9	12	15	17	20	23	26	29	35	41	46	52	58
900/60R32	kg	2650	3250	3750	4250	4875	5300	5800	6300	6500	7100				
	lbs.	5840	7150	8250	9350	10700	11700	12800	13900	14300	15700				
	LI					163		169		173	176				
IF900/60R32CFO	kg	3250	3875	4500	5150	5800	6500	7100	7500	7750	8500				
	lbs.	7150	8550	9900	11400	12800	14300	15700	16500	17100	18700				
	LI				165	169		176		179	182				
480/85R34	kg	1500	1800	2060	2360	2650	3000	3250							
	lbs.	3300	3960	4540	5200	5840	6600	7150							
	LI					142		149							
520/85R34	kg	1700	2000	2360	2725	3000	3350	3750	3875	4125	4375	4750			
	lbs.	3740	4400	5200	6000	6600	7400	8250	8550	9100	9650	10500			
	LI				146		154		157	159	162				
IF520/85R34	kg	2000	2430	2800	3250	3650	4000	4500	4625	4875	5150	5600			
	lbs.	4400	5360	6150	7150	8050	8800	9900	10200	10700	11400	12300			
	LI				149	153		160		163	165	168			
420/85R38	kg	1285	1550	1800	2060	2300	2575	2800							
	lbs.	2830	3420	3960	4540	5080	5680	6150							
	LI					137		144							
480/80R38	kg	1500	1800	2060	2360	2650	3000	3250							
	lbs.	3300	3960	4540	5200	5840	6600	7150							
	LI					142		149							
520/85R38	kg	1750	2120	2500	2800	3150	3550	3875							
	lbs.	3860	4680	5520	6150	6950	7850	8550							
	LI					148		155							
480/80R42	kg	1550	1850	2180	2500	2800	3150	3450	2650	3750					
	lbs.	3420	4080	4800	5520	6150	6950	7600	8050	8250					
	LI					144		151		154					
520/85R42	kg	1850	2240	2575	3000	3350	3750	4125	4250	4500	4750	5150			
	lbs.	4080	4940	5680	6600	7400	8250	9100	9350	9900	10500	11400			
	LI					150		157		160	162	165			
IF520/85R42CFO	kg	2240	2650	3150	3550	4000	4500	4875	5150	5300	5800				
	lbs.	4940	5840	6950	7850	8800	9900	10700	11400	11700	12800				
	LI				152	156		163		166	169				
420/80R46	kg	1320	1600	1850	2120	2430	2650	2900	3075	3250	3450	3750	4000	4375	4625
	lbs.	2910	3520	4080	4680	5360	5840	6400	6800	7150	7600	8250	8800	9650	10200
	LI					139		145		149	151	154	156	159	161
IF420/80R46	kg	1600	1900	2240	2575	2900	3250	3550	3750	3875	4125	4500	4875	5150	5450
	lbs.	3520	4180	4940	5680	6400	7150	7850	8250	8550	9100	9900	10700	11400	12000
	LI				142	145		152		155	157	160	163	165	167
480/80R46	kg	1650	1950	2300	2575	2900	3250	3550	3750	3875	4250				
	lbs.	3640	4300	5080	5680	6400	7150	7850	8250	8550	9350				
	LI					145		152		155	158				