



FIRESTONE AG PRODUCT BULLETIN

AD² RADIAL DEEP TREAD 23° TIRES

DESCRIPTION: Radial Deep Tread 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.*
- 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.
- Designed with R-1W tread depth, which is approximately 25% deeper in the center than standard R-1 tread, helping to improve wet traction performance.

RADIAL DEEP TREAD 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)
IF1250/50R32CFO	004-453	188	B	1439	44.00	50.6	82.5	35	240	48	74	2.31	1086	22000 @ 23
IF1250/50R32CFO	380-446	201	B	1463	44.00	50.6	82.5	35	240	48	74	2.31	1086	32000 @ 46
480/80R38	362-749	149	B	405	15.00	18.9	69.1	31	206	45	63	1.97	350	7150 @ 23
520/85R38	362-766	155	B	496	16.00	21.0	72.7	33	215	46	69	2.16	410	8550 @ 23
650/85R38	362-987	173	B	728	23.00	27.6	79.9	36	242	48	70	2.19	550	14300 @ 35
650/85R38	000-922	173	D	729	23.00	27.6	79.9	36	242	48	70	2.19	550	14300 @ 35
800/70R38	359-548	173	B	928	25.00	31.3	81.9	36	243	48	74	2.31	570	14300 @ 23
800/70R38	378-525	181	B	984	25.00	31.3	81.9	36	243	48	74	2.31	580	18200 @ 41
IF800/70R38CFO	000-928	184	B	1013	27.00	33.2	80.2	37	243	48	74	2.31	687	19800 @ 35
IF800/70R38CFO	003-144	187	B	1017	27.00	33.0	81.1	36	243	48	74	2.31	697	21500 @ 41
480/80R42	362-409	151	B	427	16.00	19.2	73.2	34	218	46	63	1.97	360	7600 @ 23
480/80R42	364-058	154	B	432	16.00	19.2	73.2	34	218	46	63	1.97	360	8250 @ 29
520/85R42	362-426	157	B	512	18.00	21.8	76.2	35	228	47	69	2.16	440	9100 @ 23
520/85R42	381-823	165	B	550	18.00	21.8	76.2	35	228	47	69	2.16	440	11400 @ 41
IF520/85R42CFO	000-921	169	B	558	18.00	22.4	76.3	34	228	47	69	2.16	452	12800 @ 35
580/85R42	382-452	166	B	588	18.00	22.7	80.9	35	228	48	71	2.22	440	11700 @ 29
IF850/75R42CFO	004-469	186	B	1171	30.00	34.2	91.7	40	272	50	78	2.44	872	20900 @ 23
480/80R46	362-256	158	B	471	16.00	19.1	77.2	35	231	47	63	1.97	370	9350 @ 35
IF480/80R46	004-451	164	B	454	16.00	18.9	77.1	35	232	47	63	1.97	416	11000 @ 35
520/85R46	362-851	158	B	566	16.00	20.9	80.8	37	242	48	64	2.00	450	9350 @ 23
IF520/85R46	378-610	165	B	537	18.00	20.9	80.8	36	242	48	69	2.16	562	11400 @ 23
480/80R50	360-090	159	B	500	15.00	19.0	80.8	37	243	48	63	1.97	380	9650 @ 35
480/80R50	372-150	159	B	491	15.00	19.0	80.8	37	243	48	63	1.97	380	9650 @ 35
IF480/80R50	374-496	166	B	544	15.00	19.1	80.6	37	243	48	63	1.97	431	11700 @ 35
IF480/95R50	375-635	165	B	626	15.00	19.9	85.9	38	258	49	65	2.03	465	11400 @ 23

*When compared to standard 45° pattern

LOAD AND INFLATION TABLES

Tire Load Limits at Various Cold Inflation Pressures

Tire Size	kPa	40	60	80	100	120	140	160	180	200	240	280	320
	psi	6	9	12	15	17	20	23	26	29	35	41	46
IF1250/50R32CFO	kg	4625	5450	6500	7300	8250	9250	10000	10600	11200	12150	13200	14500
	lbs.	10200	12000	14300	16100	18200	20400	22000	23400	24700	26800	29100	32000
	LI				177	181		188		192	195	198	201
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					
650/85R38	kg	2500	3000	3550	4000	4500	5000	5450	5800	6000	6500		
	lbs.	5520	6600	7850	8800	9900	11000	12000	12800	13200	14300		
	LI					160		167		170	173		
800/70R38	kg	2900	3450	4125	4625	5300	5800	6500	6700	7100	7500	8250	
	lbs.	6400	7600	9100	10200	11700	12800	14300	14800	15700	16500	18200	
	LI					166		173		176	178	181	
IF800/70R38CFO	kg	2900	4250	4875	5600	6300	6900	7750	8000	8500	9000		
	lbs.	6400	9350	10700	12300	13900	15200	17100	17600	18700	19800		
	LI					172		179		182	184		
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		
580/85R42	kg	2180	2650	3075	3550	4000	4375	4875	5000	5300			
	lbs.	4800	5840	6800	7850	8800	9650	10700	11000	11700			
	LI				156			163		166			
IF850/75R42CFO	kg	3550	5150	6000	6900	7750	8500	9500					
	lbs.	7850	11400	13200	15200	17100	18700	20900					
	LI					179		186					
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		
IF480/80R46	kg	1950	2360	2725	3150	3550	3875	4250	4500	4750	5000		
	lbs.	4300	5200	6000	6950	7850	8550	9350	9900	10500	11000		
	LI				148	152		158		162	164		
520/85R46	kg	1950	2300	2725	3075	3450	3875	4250					
	lbs.	4300	5080	6000	6800	7600	8550	9350					
	LI				151			158					
IF520/85R46	kg	1950	2800	3250	3750	4125	4625	5150					
	lbs.	4300	6150	7150	8250	9100	10200	11400					
	LI					157		165					
480/80R50	kg	1700	2060	2360	2725	3075	3450	3750	3875	4125	4375		
	lbs.	3740	4540	5200	6000	6800	7600	8250	8550	9100	9650		
	LI					147		154		157	159		
IF480/80R50	kg	1700	2430	2900	3250	3650	4125	4500	4750	4875	5300		
	lbs.	3740	5360	6400	7150	8050	9100	9900	10500	10700	11700		
	LI					153		160		163	166		
IF480/95R50	kg	1950	2800	3250	3750	4250	4750	5150					
	lbs.	4300	6150	7150	8250	9350	10500	11400					
	LI					158		165					