

DIAGONAL (BIAS) PLY AGRICULTURAL DRIVE WHEEL TIRES
USED ON AGRICULTURAL HARVESTING EQUIPMENT
IN CYCLIC LOADING FIELD SERVICE AND ROAD TRANSPORT
(EXCLUDING HILLSIDE COMBINES)

TIRES USED AS SINGLES

BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE TYPE NOMENCLATURE	
CODE NO.	TIRE TYPE
R-1	Drive Wheel, Regular Tread
R-2	Cane & Rice, Drive Wheel, Deep Tread
R-3	Drive Wheel, Shallow Tread
R-4	Industrial Tractor, Drive Wheel, Intermediate Tread

TIRE SIZE DESIGNATION	PLY RATING	INFLATION PRESSURE		FIELD SERVICE MAXIMUM CYCLIC LOAD				ROAD TRANSPORT MAXIMUM LOAD MAX. SPEED 25 MPH (40 KM/H)	
				MAX. SPEED 6 MPH (10 KM/H)		MAX. SPEED 10 MPH (15 KM/H)			
		psi	kPa	lbs	kg	lbs	kg	lbs	kg
14.9-24	6	26	180	5620	2540	5100*	2310*	3520	1600
	8	34	230	6600	3000	5980*	2710*	4080	1850
	12	50	340	8200	3740	7500*	3400*	5080	2300
14.9-26	6	26	180	5760	2610	5240*	2380*	3640	1650
	10	42	290	7650	3480	6950*	3160*	4800	2180
16.9-26	6	24	170	6600	3000	5980*	2710*	4180	1900
	10	36	250	8500	3860	7700*	3500*	5360	2430
16.9-30	6	24	170	7000	3180	6350*	2890*	4400	2000
	10	36	250	9250	4200	8400*	3820*	5680	2575
	14	52	360	11200	5080	10200*	4620*	6950	3150
18.4-26	6	20	140	7400	3360	6750*	3060*	4540	2060
	10	34	230	9700	4420	8850*	4020*	6150	2800
	12	42	290	10600	4820	9650*	4390*	—	—
18.4-30	6	20	140	7800	3540	7100*	3220*	4800	2180
	8	26	180	9000	4080	8150*	3700*	5520	2500
	10	34	230	10300	4680	9400*	4260*	6600	3000
18.4-38	8	26	180	10000	4540	9100*	4130*	6400	2900
	10	34	230	12000	5440	10900*	4940*	7400	3350
	12	42	290	13400	6050	12200*	5540*	8250	3750
	14	46	320	14200	6450	12900*	5860*	8800	4000
18.4-42	10	34	230	12300	5620	11200*	5100*	7850	3550
	14	44	300	15100	6850	13700*	6200*	9100	4125
20.8-38	8	24	170	11500	5220	10500*	4760*	7150	3250
	10	28	190	13000	5900	11800*	5360*	7850	3550
	14	42	290	16000	7250	14500*	6600*	10200	4625
520/85D38	173LI	76	530	26740	12150	24300*	11050*	15700	7100
20.8-42	10	28	190	13800	6250	12600*	5700*	8250	3750
	14	42	290	17000	7700	15500*	7050*	10700	4875
23.1-26	8	22	150	10600	4820	9650*	4380*	6800	3075
	10	26	180	12000	5440	10900*	4840*	7600	3450
	12	32	220	13400	6100	12200*	5520*	8550	3875
	14	36	250	14700	6650	13300*	6050*	9100	4125

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TIRE SIZE DESIGNATION	PLY RATING	INFLATION PRESSURE		FIELD SERVICE MAXIMUM CYCLIC LOAD				ROAD TRANSPORT MAXIMUM LOAD	
				MAX. SPEED 6 MPH (10 KM/H)		MAX. SPEED 10 MPH (15 KM/H)		MAX. SPEED 25 MPH (40 KM/H)	
		psi	kPa	lbs	kg	lbs	kg	lbs	kg
24.5-32	10	26	180	14700	6650	13300*	6050*	9100	4125
	12	32	220	16500	7500	15000*	6800*	10200	4625
	16	40	270	18500	8420	16830*	7650*	11700	5300
28L-26	10	24	170	13000	5900	11800*	5360*	8250	3750
	12	26	180	13800	6250	12600*	5700*	8800	4000
	14	32	220	15300	7010	14000*	6380*	9900	4500
	16	38	260	17000	7710	15500*	7010*	11000	5000
30.5L-32	12	26	180	17500	7950	15900*	7250*	11000	5000
	14	28	190	18500	8400	16800*	7600*	11400	5150
	16	34	230	20600	9350	18700*	8500*	12800	5800
VA35.5L-32	12	20	140	20600	9350	18700*	8500*	12800	5800
	20	36	250	28400	12900	25900*	11700*	17600	8000
DH35.5L-32	16	28	190	24700	11200	22400*	10200*	15200	6900

NOTES:

- For tires used in dual service, above tire load limits must be reduced. Multiply figures in the above table by .88.
- The load ratings in the above table reflect a different operating duty cycle when compared to agricultural tractors. This cyclic service is intended for use on a vehicle with a minimal requirement for torque transmission and with appreciable total weight fluctuations; e.g., combine grain tanks which are repeatedly filled and emptied. Unloading is to occur before off-field transport.
- For log-skidder tires with the same size and ply rating, the above cyclic and road transport loads can be applied.
- For intermediate inflation pressures and for tires not shown, the field service loads in Table E may be increased by 87% for 6 mph (10 km/h) applications and 70% for 10 mph (15 km/h) applications with a 30% increase in inflation pressure. Consult tire manufacturer for loads and pressures not shown for transport service.
- The above road transport loads apply to all speeds up to and including 25 mph (40 km/h).
- Due to the higher inflation pressures specified for these tires, the tire and wheel manufacturer must be consulted.
- The above field service cyclic loads only apply to vehicles which operate up to an 11° slope (20% grade). For operations on slopes greater than 11° (20% grade), loads in Table E shall be used.
- *8. For tires used on grain carts, the field service loads in Table E may be increased by 70% for 15 mph (25 km/h), up to one mile (1.61 km), with a 30% increase in inflation pressure.**

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