

TABLE G – DIAGONAL (BIAS) PLY AGRICULTURAL R-4 DRIVE WHEEL TIRES USED ON INDUSTRIAL TRACTORS

TIRE TYPE NOMENCLATURE		MAX SPEED
TRA	TIRE TYPE	SPEED INDEX
R-4	Industrial Tractor, Drive Wheel, Intermediate Tread	A8 25 mph

TIRES USED AS SINGLES BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	INFLATION		LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES								
	psi		18	20	22	24	26	28	30	32	
	kPa		120	140	150	170	180	190	210	220	
14.9-24	lbs.		3520	3740	4080	4300 (6)	4540	4800	5080 (8)	5200	6400 (12) @ 42 psi
	kg		1600	1700	1850	1950 (6)	2060	2180	2300 (8)	2360	2900 (12) @ 280 kPa
420/70-24	lbs.			3640	3960 (6)	4180	4540	4800 (8)	5080	5200 (10)	
	kg			1650	1800 (6)	1900	2060	2180 (8)	2300	2360 (10)	
14.9-28	lbs.		3740	4080	4300	4680 (6)	4940	5080	5360 (8)	5680	6150 (10) @ 36 psi
	kg		1700	1850	1950	2120 (6)	2240	2300	2430 (8)	2575	2800 (10) @ 250 kPa
16.9-24	lbs.			4680	4940 (6)	5200	5520	5840 (8)	6150	6400 (10)	7150 (12) @ 38 psi
	kg			2120	2240 (6)	2360	2500	2650 (8)	2800	2900 (10)	3250 (12) @ 260 kPa
16.9-28	lbs.			4940	5200 (6)	5680	6000	6150 (8)	6600	6800 (10)	7600 (12) @ 38 psi
	kg			2240	2360 (6)	2575	2725	2800 (8)	3000	3075 (10)	3450 (12) @ 260 kPa
18.4-28	lbs.			5840 (6)	6400	6800 (8)	7150	7400	7850 (10)	8250	8800 (12) @ 36 psi
	kg			2650 (6)	2900	3075 (8)	3250	3350	3550 (10)	3750	4000 (12) @ 250 kPa
17.5L-24	lbs.			4400 (6)	4680	5080	5360 (8)	5520	5840	6150 (10)	
	kg			2000 (6)	2120	2300	2430 (8)	2500	2650	2800 (10)	
19.5L-24	lbs.			5200	5680	6000 (8)	6400	6600 (10)	6950	7400	7600 (12) @ 34 psi
	kg			2360	2575	2725 (8)	2900	3000 (10)	3150	3350	3450 (12) @ 230 kPa
21L-24	lbs.			6150	6600	6950	7400 (10)	7850	8050	8550 (12)	9900 (16) @ 40 psi
	kg			2800	3000	3150	3350 (10)	3550	3650	3875 (12)	4500 (16) @ 280 kPa
21L-28	lbs.			6600	6950 (8)	7400	7850 (10)	8250	8550	8800 (12)	9900 (14) @ 36 psi
	kg			3000	3150 (8)	3350	3550 (10)	3750	3875	4000 (12)	4500 (14) @ 250 kPa

NOTES:

- Figures in parentheses denote ply rating for which boldface loads and inflations are maximum.
- Above loads and inflation pressures are transport service.
- For field or other usage, refer to Table E on pages 132-135.
- The load limits shown at right at various speeds apply with no change in inflation pressure.
- For cyclic loading service, see Table F2 on page 138.

MAX. SPEED	% CHANGE IN LOADS	
	REGULAR APPLICATION	CYCLIC* APPLICATION
Stationary	+130%	+130%
2.5 mph (5 km/h)	+45%	+67%
5 mph (10 km/h)	+25%	+50%
10 mph (15 km/h)	+13%	34
15 mph (25 km/h)	+9%	-
20 mph (30 km/h)	+4%	-
25 mph (40 km/h)	Same as Table	-
30 mph (50 km/h)	-9%	-

*Cyclic applications include the normal usages of loader, log stackers, etc. The minimum load must not exceed 60% of the maximum rated tire load.

- Maximum one-way haul distance 500 feet (150 meters).
- Vehicle is operating over unimproved but generally level terrain.
- Consult the rim/wheel manufacturer for confirmation of the strength of the rim/wheel for the intended service.

FOR RIM AND WHEEL LOAD INFORMATION, SEE IMPORTANT NOTES ON PAGES 168-172.

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