

COMMERCIAL TRUCK TIRES AND DEFINITIONS OF TERMS

LIGHT TRUCKS, TRUCKS, BUSES, TRAILERS AND MULTI-PURPOSE PASSENGER VEHICLES

TIRE SELECTION

Light Truck and Truck/Bus Tires — Selection of size and load range on each axle shall be based upon the highest individual wheel load. Maximum load per tire shall not be greater than the applicable load specified herein for the proper load range and usage.

Passenger Tires — Regulatory requirement when replacing a vehicle's OE LT tires with passenger car tires: The load on each replacement passenger car tire must not exceed the maximum load stamped on the tire sidewall divided by 1.10.

DEFINITIONS OF TERMS

A. Maximum Load — The maximum load on individual tires is to be determined by the manufacturer of the completed vehicle, and shall include:

B. Curb Weight — Manufacturer's weight of the completed vehicle with standard equipment, including cab and/or utility body and the maximum capacity of engine fuel, oil and coolant.

C. Driver and Occupant Weight — 150 pounds per occupant for the vehicle's designated seating capacity. For city and city-suburban buses, occupant load is based on 150 pounds per occupant and 150% of full-seated rating. For intercity buses, occupant load is based on 185 pounds per occupant (to include luggage) and 100% full-seated rating.

D. Accessory Weight — Combined weight of those installed regular production options (not previously considered in curb weight) weighing five pounds or more. If such options replace standard items, include only the excess if the excess is more than five pounds.

E. Extra Equipment Weight — Weight of any non-standard item other than accessories which are affixed to the vehicle.

F. Cargo Load — Consists of weight in the cargo area. Consideration shall be given to all possible ways the user can load the vehicle approved by the manufacturer, including uneven loading side to side. The user who loads such vehicles unevenly must be responsible for reducing the maximum cargo load to prevent overloading any tires. For intercity buses, the maximum cargo load must also be included in addition to the occupant load in determining maximum tire load.

G. Cold Inflation Pressures — The inflation pressures shown in this section are those taken with the tires at the prevailing atmospheric temperatures and do not include any inflation pressure build-up due to vehicle operation.

H. Improved Surface — An improved surface is one which is relatively smooth and intended to handle any vehicle manufactured primarily for use on the public streets, roads and highways.

NOTES ON TIRE SELECTION

The selection of tire sizes shall be based on meeting the requirements of maximum load as defined above. Maximum load as defined above must not exceed the maximum tire load limit indicated by the boldface type in the table. Minimum recommended cold inflation pressures for various loads must conform to the load table.

INFLATION LIMITATIONS

LIGHT TRUCK TIRES

The inflations shown in the load tables are minimum cold pressures for the various loads listed. Higher pressures should be used as follows:

A. When required by the speed/load table, table 1 on page 41.

B. When higher pressures are desirable to obtain improved operating performance.

The combined increases of A and B should not exceed **10 PSI** above the inflation specified for the maximum load of the tire.

THE MAXIMUM LOAD AND INFLATION CAPACITY OF THE RIM MUST NOT BE EXCEEDED.

COMMERCIAL TRUCK TIRES

The inflation pressures shown in the reference tables are minimum cold pressures for the various loads listed. Higher pressures should be used as follows:

A. When required by the speed/load table, table 2 on page 41 or table 3 on page 41.

B. When higher pressures are desirable to obtain improved operating performance.

For speeds above 20 mph, the combined increases of A and B should not exceed **10 PSI** above the inflation specified for the maximum load of the tire.

THE MAXIMUM LOAD AND INFLATION CAPACITY OF THE RIM MUST NOT BE EXCEEDED.

See page 62 for general notes and additional information.

LOAD AND PRESSURE ADJUSTMENTS

AT REDUCED SPEEDS FOR DIAGONAL (BIAS) AND RADIAL PLY TIRES ON IMPROVED SURFACES

(These tables do not apply to rims or wheels.)

The Tire and Rim Association permits tire load increases, often with increased inflation pressure, for Truck, Bus and Light Truck tires used on improved surfaces at reduced operating speeds. The Goodyear Tire & Rubber Company does not condone or recommend operating speeds above posted limits. Rim and wheel manufacturers mark their products with a maximum load and inflation. This applies regardless of operating speed. The rim/wheel manufacturer must be contacted to determine if any deviation is permitted in the marked maximum load and inflation capacity of the rim or wheel at the operating condition in question. For further details and a worksheet covering the use of these tables, see pages 42 and 43.

TABLE 1 — LIGHT TRUCK TIRES

For LT Tire Sizes Only (e.g., LT235/85R16, LT245/75R16). For Truck and Bus Sizes (e.g., 225/70R19.5, 245/70R19.5), use Table 2 below.

The service load and minimum (cold) inflation must comply with the following limitations:

SPEED RANGE (MPH)	INFLATION PRESSURE INCREASE	% INCREASE IN LOAD	
		SINGLE	DUAL
66 – 75	+ 10 PSI*	None	None
56 – 65	No Increase	None	None
46 – 55	No Increase	+ 9%	+ 9%
36 – 45	No Increase	+ 16%	+ 16%
26 – 35	No Increase	+ 24%	+ 24%
15 – 25	No Increase	+ 32%	+ 32%
11 – 14	+ 10 PSI	+ 65%**	+ 50%
6 – 10	+ 10 PSI	+ 75%**	+ 65%
1 – 5	+ 10 PSI	+ 90%**	+ 80%
Stationary	+ 20 PSI	+ 165%**	+ 165%

*Does not directly apply to tires with Service Description.

**The "% Increase in Load" is the percentage of the applicable dual load in the referenced tables. The increase is then added to the dual load regardless of single or dual application.

Source: The Tire and Rim Association

TABLE 2 — TRUCK AND BUS TIRES

The service load and minimum (cold) inflation must comply with the following limitations:

SPEED RANGE (MPH)	INFLATION PRESSURE INCREASE		LOAD CHANGES WITH SPEED	
	RADIAL PLY TIRES		RADIAL PLY TIRES	
	CONVENTIONAL (STD. PROFILE)	WIDEBASE/METRIC (LOW PROFILE)	CONVENTIONAL	WIDE BASE/METRIC
41 – 50	None	None	+ 9%	+ 7%
31 – 40	None	None	+ 16%	+ 9%
21 – 30	+ 10 PSI	+ 10 PSI	+ 24%	+ 12%
11 – 20	+ 15 PSI	+ 15 PSI	+ 32%	+ 17%
6 – 10 ^{A)}	+ 30 PSI	+ 20 PSI	+ 60%	+ 25%
2.6 – 5 ^{A)}	+ 30 PSI	+ 20 PSI	+ 85%	+ 45%
Creep – 2.5 ^{A)}	+ 30 PSI	+ 20 PSI	+ 115%	+ 55%
Creep ^{A) B)}	+ 40 PSI	+ 30 PSI	+ 140%	+ 75%
Stationary ^{A)}	+ 40 PSI	+ 30 PSI	+ 185%	+ 105%

A) On conventional tires apply load increase to dual loads and inflations only, even if tire is in single application. B) Creep—motion for not over 200 feet in a 30-minute period.

Source: The Tire and Rim Association

TABLE 3 — RESTRICTED SPEED TIRES 13.00-16.00 SIZES

SPEED RANGE (MPH)	INFLATION PRESSURE INCREASE		% INCREASE IN LOADS
	DIAGONAL (BIAS) PLY TIRES	RADIAL PLY TIRES	
41 – 50 (55 radial)	No Increase	No Increase	No Increase
31 – 40	No Increase	No Increase	+ 7%
21 – 30	No Increase	+ 10 PSI	+ 13%
11 – 20	No Increase	+ 15 PSI	+ 21%

Source: The Tire and Rim Association



SELECTION, LOADS, INFLATIONS AND IDENTIFICATION FOR RIMS AND WHEELS

RIM SELECTION

Tires shown in this book are designed by Goodyear for use on rims which meet The Tire and Rim Association Standards. To ensure proper tire-to-rim fit and tire mountability, it is the responsibility of the vehicle manufacturers and vehicle users to specify that the rims comply with these standards.

LOADS AND INFLATIONS FOR RIMS AND WHEELS

IMPORTANT — Rim dimensions are standardized by The Tire and Rim Association for size and contour only, and particular tire and rim combinations are designated to assure proper mounting and fit of the tire to the rim. The load and cold inflation pressure imposed on the rim and wheel must not exceed the rim and wheel manufacturer's recommendations even though the tire may be approved for a higher load or inflation. Rims and wheels may be identified (stamped) with a maximum load and maximum cold inflation rating. For rims and wheels not so identified or for service conditions exceeding the rated capacities, consult the rim and wheel manufacturer to determine rim and wheel capacities for the intended service.

LOAD AND PRESSURE ADJUSTMENTS

AT REDUCED SPEEDS

A. Load and Pressure Adjustments for Reduced Speeds (Column A on Worksheet page 43)

1. Determine operating speed range required by customer.
2. Find percent load change permitted for that speed range (See page 41). Confirm that the table you are using is for the appropriate tire size.
3. Determine maximum load and inflation pressure for the tire under normal speeds using load tables. Use single maximum load/inflation for single applications and dual maximum load/inflation for dual applications.
4. Multiply the percent increase by the tire maximum load. (Remember to use dual load only for conventional or LT sizes for speeds = 10 mph or less.)
5. Add the value obtained in #4 to the tire maximum load to determine new allowable maximum load.
6. Find inflation pressure increase required for the speed range desired.
7. Add the value obtained in #6 to the inflation pressure at maximum load to find the new required inflation pressure.
8. Check to make sure that the rim capacity is not exceeded.

B. Check Rim Capacity for Load and Inflation Changes (Column B on Worksheet page 43)

(See rim note above.)

1. Find maximum inflation pressure of rim.
2. Find the inflation pressure increase required by A6.
3. Subtract the required inflation pressure increase from that maximum inflation pressure to get a "base" inflation pressure.
4. Determine the corresponding load for the "base" inflation pressure from the normal load tables.
5. Copy the load increase required by A2.
6. Apply the percentage load increase to this "base" load.
7. Determine new maximum load using the maximum inflation pressure of the rim.
8. Check to make sure load does not exceed the rim's load capacity.

LOAD ADJUSTMENTS FOR SPEED WORKSHEET

A. Adjustments for Reduced Speed

- Tire size and load range _____
- (1) Desired speed range _____
- (2) % Load increase permitted _____
- (3a) Normal maximum load* _____
- (3b) Normal maximum inflation _____
- (4) % increase x maximum load
= (2)x(3a) _____
- (5) Maximum load + increase
= (2)+(4) = **new maximum load** _____
- (6) Inflation increase required _____
- (7) Maximum inflation + increase
= (3b)+(6) = **new inflation pressure** _____
- (8) Do not exceed rim load and inflation capacities.

B. Rim Capacity for Load and Inflation Changes

- (1) Maximum PSI of rim _____
- (2) PSI change needed _____
- (3) Maximum PSI - change
= (1)-(2) = "base" PSI _____
- (4) Load for "base" PSI
= "base" load _____
- (5) % Load increase _____
- (6) "Base" load x % increase
= (4)x(5) _____
- (7) "Base" load + increase
= (4)+(6) = **new Maximum load** _____
- (8) Do not exceed rim load and inflation capacities.

*Check table footnotes for special load considerations.

PREFIX LETTERS USED BY THE TIRE AND RIM ASSOCIATION IN TIRE SIZE DESIGNATIONS AND THEIR DEFINITIONS

Prefix letters are included, when necessary, as part of tire size designations to differentiate between tires designed for service conditions which may require different loads and inflations and/or tires designed for, and which must be used on, different types of rims.

LT — Identifies a tire primarily intended for service on light trucks.

SUFFIX LETTERS USED BY THE TIRE AND RIM ASSOCIATION IN TIRE SIZE DESIGNATIONS AND THEIR DEFINITIONS

Suffix letters are included, when necessary, as part of tire size designations to differentiate between tires designed for service conditions which may require different loads and inflations and/or tires designed for, and which must be used on, different types of rims.

LT — Light Truck tires for service on Trucks, Buses, Trailers and Multi-Purpose Passenger Vehicles used in normal highway service. For nominal rim diameters ending in a whole number, a 5° tapered bead seat rim is used; for nominal rim diameters ending in XX.5, a 15° tapered bead seat is used. This suffix is intended to differentiate among tires for Passenger Car, Truck/Bus and other vehicles or other services which use a similar designation.
Example: 7.00-15, 7.00-15LT, 7.00-15TR.

TR — Tires for service on Trucks, Buses and other vehicles with rims having specified rim diameter of nominal +.156" or +.250". This suffix is intended to differentiate among tires for Passenger Car, Light Truck and other vehicles or other services which use similar designations. Example: 7.00-15, 7.00-15LT, 7.00-15NHS and 7.00-15TR.

HC — Identifies a heavy-duty tire designated for use on low platform trailers. This suffix is intended to differentiate among tires for Light Trucks and other vehicles or other services which use a similar designation. Example: 8R17.5LT, 8R17.5HC.

See page 62 for general notes and additional information.



LOAD TABLES

FOR TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE

TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)

TIRE SIZE		PSI															
		35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
LT225/75R16	Dual(D)																
	Single(S)																
LT245/75R16	D	1365	1500	1630	1765(C)	1875	1995	2150(D)	2220	2330	2470(E)						
	S	1500	1650	1790	1940(C)	2060	2190	2335(D)	2440	2560	2680(E)						
LT215/85R16	D	1545	1695	1845	2006(C)	2125	2255	2381(D)	2515	2640	2778(E)						
	S	1700	1865	2030	2205(C)	2335	2480	2623(D)	2765	2900	3042(E)						
LT235/85R16	D	1360	1490	1625	1765(C)	1865	1985	2150(D)	2210	2320	2470(E)						
	S	1495	1640	1785	1940(C)	2050	2180	2335(D)	2430	2550	2680(E)						
LT235/85R16	D	1545	1700	1845	2006(C)	2125	2260	2381(D)	2515	2645	2778(E)	2885	3005	3085(F)	3230	3345	3415(G)
	S	1700	1870	2030	2205(C)	2335	2485	2623(D)	2765	2905	3042(E)	3170	3300	3415(F)	3550	3675	3750(G)
8.75R16.5 LT	D	1380	1515	1630	1765(C)	1855	1970	2095(D)	2175	2260	2405(E)						
	S	1570	1720	1850	1985(C)	2110	2240	2405(D)	2470	2570	2680(E)						

*For trailer use only.

Note: Letters in parentheses denote load range for which **BOLDFACE** loads are maximum.

See pages 50 and 51 for approved tire and rim widths.

CAUTION – Always use approved tire and rim combinations for diameters and widths.

The Goodyear Tire & Rubber Company periodically updates its product information. To select the proper load and inflation, locate the tire size in the following pages and select the row that matches the maximum load(s) and inflation(s) stamped on the tire. Contact a Goodyear Dealer for tables not listed.

TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)

TIRE SIZE		PSI												
		70	75	80	85	90	95	100	105	110	115	120	125	130
		Dual(D)						Single(S)						
10.00R15TR	D	3660	3830	3980	4130	4300(F)	4470	4640	4805(G)					
	S	3780	3980	4170	4370	4540(F)	4715	4890	5070(G)					
9R17.5HC	D			3525	3635	3745	3860	3970	4080	4190(H)				
	S			3750	3860	3970	4080	4190	4300	4410(H)				
10R17.5	D				3420	3590	3775	3920	4085	4250	4410(H)			
	S				3625	3805	3980	4160	4330	4505	4675(H)			
11R17.5HC	D				4130	4300(F)	4470	4640	4805(G)	4990	5175	5355(H)		
	S				4370	4540(F)	4715	4890	5070(G)	5270	5470	5675(H)		
245/70R17.5*	D					4360	4560	4750	4940	5120	5310	5490	5675(H)	
	S					4620	4820	5020	5220	5420	5620	5810	6005(H)	
205/75R17.5	D		2430	2560	2690	2810	2940	3060	3180	3305(F)				
	S		2590	2730	2870	3000	3130	3270	3400	3525(F)				
215/75R17.5	D	2695	2835	2975	3115	3255	3390	3525(F)						
	S	2865	3015	3165	3315	3460	3605	3750(F)						
215/75R17.5*	D					3490	3645	3800	3950	4100	4245	4395	4540(H)	
	S					3695	3860	4020	4180	4340	4495	4650	4805(H)	
8R19.5	D	2460	2610	2755(D)	2865	2975	3085(E)	3195	3305	3415(F)				
	S	2540	2680	2835(D)	2955	3075	3195(E)	3305	3415	3525(F)				
435/50R19.5	S						7720	8040	8360	8680	8990	9300	9610	9920(L)
225/70R19.5	D	2720	2860	3000(E)	3115	3245	3415(F)	3490	3615	3750(G)				
	S	2895	3040	3195(E)	3315	3450	3640(F)	3715	3845	3970(G)				
245/70R19.5	D			3415	3515	3655	3970(F)	4115	4265	4410(G)				
	S			3640	3740	3890	4080(F)	4190	4335	4540(G)				
245/70R19.5	D				3550	3710	3880	4040	4200	4360	4520	4675(H)		
	S				3750	3920	4100	4270	4440	4610	4770	4940(H)		
265/70R19.5	D			3750	3930	4095	4300	4405	4560	4805	4860	5070(G)		
	S			3970	4180	4355	4540	4685	4850	5070	5170	5355(G)		

*For trailer use only.

Note: Letters in parentheses denote load range for which **BOLDFACE** loads are maximum.

See pages 50 and 51 for approved tire and rim widths.

CAUTION – Always use approved tire and rim combinations for diameters and widths.

The Goodyear Tire & Rubber Company periodically updates its product information. To select the proper load and inflation, locate the tire size in the following pages and select the row that matches the maximum load(s) and inflation(s) stamped on the tire. Contact a Goodyear Dealer for tables not listed.



LOAD TABLES

FOR TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE

TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)

TIRE SIZE		PSI													
		70	75	80	85	90	95	100	105	110	115	120	125	130	
285/70R19.5	Dual(D)							4805	5005	5205	5405	5600	5790	5985	6175(H)
	Single(S)							5145	5360	5570	5785	5990	6200	6405	6610(H)
305/70R19.5	D					4920	5130	5350	5560	5770	5980	6190		6395(J)	
	S					5340	5570	5810	6040	6270	6490	6720		6940(J)	
9.00R20 10R22.5	D	3860	4045	4230	4410(E)	4585	4760	4940(F)	5075	5210	5355(G)				
	S	4080	4280	4480	4675(E)	4850	5025	5205(F)	5360	5515	5675(G)				
10.00R20 11R22.5	D	4380	4580	4760	4950	5205(F)	5415	5625	5840(G)	5895	5950		6005(H)		
	S	4530	4770	4990	5220	5510(F)	5730	5950	6175(G)	6320	6465		6610(H)		
11.00R20 12R22.5	D	4780	4990	5190	5390	5675(F)	5785	5895	6005(G)	6265	6525		6780(H)		
	S	4940	5200	5450	5690	6005(F)	6205	6405	6610(G)	6870	7130		7390(H)		
12.00R20	D	5440	5680	5910	6140	6360	6610(G)	6790	6970	7160(H)	7390		7610(J)		
	S	5620	5920	6200	6480	6740	7160(G)	7380	7600	7830(H)	8050		8270(J)		
14.00R20	D			8120	8430	8740(J)	9030	9320	9610(L)						
	S			8510	8890	9260	9610	9960(J)	10300	10620	10960(L)				
16.00R20, 21	S			11650	12160	12660	13150	13630(L)	14090	14540(M)					
335/80R20	S	5810	6100	6395(F)											
365/80R20	S			7160	7570	7880	8270(G)								
395/85R20	S			8410	8780	9140	9370(G)	9840	10200	10500(H)	10800	11000(J)	11500	11700(L)	
10.00R22 11R24.5	D	4660	4870	5070	5260	5510(F)	5675	5840	6005(G)	6205	6405		6610(H)		
	S	4820	5070	5310	5550	5840(F)	6095	6350	6610(G)	6790	6970		7160(H)		
11.00R22 12R24.5	D	5080	5300	5520	5730	5840(F)	6095	6350	6610(G)	6790	6970		7160(H)		
	S	5240	5520	5790	6040	6395(F)	6650	6910	7160(G)	7380	7600		7830(H)		
9R22.5	D	3270	3410	3550	3690	3860(E)	4005	4150	4300(F)	4425	4550		4675(G)		
	S	3370	3560	3730	3890	4080(E)	4235	4390	4540(F)	4675	4810		4940(G)		
445/50R22.5	S			7140	7500	7850	8200	8540(J)							

Note: Letters in parentheses denote load range for which **BOLDFACE** loads are maximum.

See pages 50 and 51 for approved tire and rim widths.

CAUTION – Always use approved tire and rim combinations for diameters and widths.

The Goodyear Tire & Rubber Company periodically updates its product information. To select the proper load and inflation, locate the tire size in the following pages and select the row that matches the maximum load(s) and inflation(s) stamped on the tire. Contact a Goodyear Dealer for tables not listed.

TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)

TIRE SIZE		PSI												
		70	75	80	85	90	95	100	105	110	115	120	125	130
		Dual(D)		Single(S)										
445/50R22.5	S			7310	7680	8030	8390	8740	9090	9370	9780	10200(L)		
295/60R22.5	D						5280	5500	5720	5930	6150	6360	6570	6780(H)
	S						5750	5990	6230	6470	6700	6930	7160	7390(H)
335/65R22.5	S	5430	5700	6005(F)	6220	6475	6780(G)							
385/65R22.5	S			6940	7350	7650	8050	8230	8510	8820	9050	9370(J)		
425/65R22.5	S			8270	8740	9100	9370	9790	10100	10500(J)	10700	11400(L)		
445/65R22.5	S			9090	9480	9870	10200	10600	11000	11400	11700	12300(L)		
255/70R22.5	D			3970	4110	4275	4410	4455	4610	4675(G)	4915	5070(H)		
	S			4190	4370	4550	4675	4895	5065	5205(G)	5400	5510(H)		
275/70R22.5	D				4770	4980	5180	5390	5590	5800	6000	6200	6395(H)	
	S				5170	5400	5630	5850	6070	6290	6510	6730	6940(H)	
275/70R22.5	D						4980	5180	5390	5590	5800	6000	6200	6395(H)
	S						5400	5630	5850	6070	6290	6510	6730	6940(H)
315/70R22.5	D						5750	5990	6230	6470	6700	6930	7160	7390(J)
	S						6430	6700	6970	7240	7500	7760	8010	8270(J)
365/70R22.5	S	6385	6700	6940(F)	7310	7610	7830(G)							
245/75R22.5	D	3260	3425	3640	3740	3890	4080	4190	4335	4410(G)				
	S	3470	3645	3860	3980	4140	4300	4455	4610	4675(G)				
265/75R22.5	D	3870	4040	4205	4370	4525	4685	4805(G)						
	S	3875	4070	4255	4440	4620	4800	4975	5150	5205(G)				
265/75R22.5	D	3525	3705	3860	4040	4205	4410	4525	4685	4805(G)				
	S	3875	4070	4300	4440	4620	4805	4975	5150	5205(G)				
295/75R22.5	D	4500	4690	4885	5070	5260	5440	5675(G)	5800	6005(H)				
	S	4500	4725	4940	5155	5370	5510	5780	5980	6175(G)	6375	6610(H)		

Note: Letters in parentheses denote load range for which **BOLDFACE** loads are maximum.

See pages 50 and 51 for approved tire and rim widths.

CAUTION – Always use approved tire and rim combinations for diameters and widths.

The Goodyear Tire & Rubber Company periodically updates its product information. To select the proper load and inflation, locate the tire size in the following pages and select the row that matches the maximum load(s) and inflation(s) stamped on the tire. Contact a Goodyear Dealer for tables not listed.



LOAD TABLES

FOR TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE

TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI)

TIRE SIZE		PSI												
		70	75	80	85	90	95	100	105	110	115	120	125	130
295/75R22.5	Dual(D)													
	Single(S)	4095	4300	4540	4690	4885	5070	5260	5440	5675(G)	5795	6005(H)		
275/80R22.5	Dual(D)													
	Single(S)	4500	4725	4940	5155	5370	5510	5780	5980	6175(G)	6370	6610(H)		
295/80R22.5	Dual(D)													
	Single(S)			4855	5100	5335	5570	5805	6035	6265	6490	6720	6940(H)	
315/80R22.5	Dual(D)													
	Single(S)			5480	5750	6020	6285	6550	6810	7070	7320	7580	7830(H)	
315/80R22.5 (HSS) (WHA)	Dual(D)													
	Single(S)			5170	5430	5680	5930	6180	6430	6670	6910	7150	7390(J)	
315/80R22.5	Dual(D)													
	Single(S)			6170	6480	6780	7080	7380	7670	7960	8250	8540	8820(J)	
315/80R22.5	Dual(D)													
	Single(S)			5840	6070	6395(G)	6540	6770	6940(H)	7210	7610(J)	7940	8270(L)	
315/80R22.5 (HSS) (WHA)	Dual(D)													
	Single(S)			6415	6670	6940(G)	7190	7440	7610(H)	7920	8270(J)	8680	9090(L)	
11.00R24	Dual(D)													
	Single(S)	5390	5630	5860	6090	6175(F)	6430	6690	6940(G)	7160	7380	7610(H)		
12.00R24	Dual(D)													
	Single(S)	5570	5860	6140	6420	6780(F)	7060	7340	7610(G)	7830	8050	8270(H)		
285/75R24.5	Dual(D)													
	Single(S)	6120	6390	6650	6910	7160	7390(G)	7610	7830	8050(H)	8300	8540(J)		
285/75R24.5	Dual(D)													
	Single(S)	6330	6660	6980	7280	7580	8050(G)	8310	8570	8820(H)	9100	9370(J)		
285/75R24.5	Dual(D)													
	Single(S)	4540	4740	4930	5205	5310	5495	5675(G)	5860	6175(H)				
285/75R24.5	Dual(D)													
	Single(S)	4545	4770	4990	5210	5420	5675	5835	6040	6175(G)	6440	6780(H)		
285/75R24.5	Dual(D)													
	Single(S)	4135	4340	4540	4740	4930	5205	5310	5495	5675(G)	5860	6175(H)		
285/75R24.5	Dual(D)													
	Single(S)	4545	4770	4990	5210	5420	5675	5835	6040	6175(G)	6440	6780(H)		

Note: Letters in parentheses denote load range for which **BOLDFACE** loads are maximum.

See page 51 for approved tire and rim widths.

CAUTION – Always use approved tire and rim combinations for diameters and widths.

The Goodyear Tire & Rubber Company periodically updates its product information. To select the proper load and inflation, locate the tire size on the tables and select the row that matches the maximum load(s) and inflation(s) stamped on the tire. Contact a Goodyear dealer for tables not listed.

SERVICE DESCRIPTION

Some Light Truck, Truck and Bus tires are marked with a service description, which is distinct from the size designation.

Example: 114 / 111 S The first number is a load index for single application. The second number is a load index for dual application (where applicable). The letter is a speed symbol indicating the speed category at which the tire can carry a load corresponding to its load index under specified service conditions.

Load Index	kg.	lbs.	Load Index	kg.	lbs.	Load Index	kg.	lbs.	Speed	Km/h	Mph
									F	80	50
100	800	1765	126	1700	3750	151	3450	7610	G	90	55
101	825	1820	127	1750	3860	152	3550	7830	J	100	62
102	850	1875	128	1800	3970	153	3650	8050	K	110	68
103	875	1930	129	1850	4080	154	3750	8270	L	120	75
104	900	1985	130	1900	4190	155	3875	8540	M	130	81
105	925	2040	131	1950	4300	156	4000	8820	N	140	87
106	950	2095	132	2000	4410	157	4125	9090	P	150	93
107	975	2150	133	2060	4540	158	4250	9370	Q	160	99
108	1000	2205	134	2120	4675	159	4375	9650	R	170	106
109	1030	2270	135	2180	4805	160	4500	9920	S	180	112
110	1060	2335	136	2240	4940	161	4625	10200	T	190	118
111	1090	2405	137	2300	5070	162	4750	10500	H	210	130
112	1120	2470	138	2360	5205	163	4875	10700			
113	1150	2535	139	2430	5355	164	5000	11000			
114	1180	2600	140	2500	5510	165	5150	11400			
115	1215	2680	141	2575	5675	166	5300	11700			
116	1250	2755	142	2650	5840	167	5450	12000			
117	1285	2835	143	2725	6005	168	5600	12300			
118	1320	2910	144	2800	6175	169	5800	12800			
119	1360	3000	145	2900	6395	170	6000	13200			
120	1400	3085	146	3000	6610	171	6150	13600			
121	1450	3195	147	3075	6780	172	6300	13900			
122	1500	3305	148	3150	6940	173	6500	14300			
123	1550	3415	149	3250	7160	174	6700	14800			
124	1600	3525	150	3350	7390	175	6900	15200			
125	1650	3640									



APPROVED RIM WIDTHS

FOR TIRES USED ON TRUCKS, BUSES, TRAILERS AND MULTIPURPOSE PASSENGER VEHICLES USED IN NORMAL HIGHWAY SERVICE

TIRES MOUNTED ON 15° DROP CENTER RIMS		TIRES MOUNTED ON 5° DROP CENTER RIMS	
TIRE SIZE	APPROVED RIM WIDTHS	TIRE SIZE	APPROVED RIM WIDTHS
8.75R16.5 LT	6.00, 6.75	LT225/75R16	6K, 6-1/2K, 6-1/2L, 7K, 7L, 6J, 6-1/2J, 7J
		LT245/75R16	6-1/2K, 6-1/2L, 7K, 7L, 6-1/2J, 7J, 7-1/2J, 8J
		LT215/85R16	5-1/2F, 5-1/2J, 5-1/2K, 6J, 6K, 6-1/2J, 6-1/2L, 7J, 7K, 7L
		LT235/85R16*	6K, 6L, 6-1/2L, 7L, 6J, 6-1/2J, 7J, 7K, 7-1/2J

New tire section width will change .20 inches for each 1/2" change in rim width. Minimum dual spacing to be adjusted accordingly.

See page 42 for load and inflation limits for rims and wheels.

Drop center rims must be used with tubeless tires.

*LR-G requires rim approved for 110 PSI and 3750 lbs. such as ALCOA's 16x7J and Dexstar Wheel's 16x6K.

Source: The Tire and Rim Association

APPROVED RIM WIDTHS

FOR TIRES USED ON TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE

(TIRES MOUNTED ON TYPE I, II AND III RIMS)

TIRE SIZE DESIGNATION	APPROVED RIM WIDTHS				TIRE SIZE DESIGNATION	APPROVED RIM WIDTHS			
RADIAL PLY					RADIAL PLY				
10.00R15TR	7.0	7.5	8.0	7.50VM	335/80R20	8.5	9.0	10.0	11.0
9.00R20	6.5	7.0	7.5	7.50VM	365/80R20	10.0	10.00V	10.00W	
10.00R20	7.0	7.5	8.0	7.50VM	395/85R20	10.00	10.00HF		
11.00R20	7.5	8.0	8.5	8.50VM	16.00R21	10.00			
12.00R20	8.0	8.5	9.0	8.50VM	11.00R22	7.5	8.0	8.5	
14.00R20	10.0	10.00W			11.00R24	7.5	8.0	8.5	8.50VM
16.00R20	11.25/2.5	13.00/2.5	10.00W		12.00R24	8.0	8.5	9.0	8.50VM

New tire section width will change .20 inches for each 1/2" change in rim width. Minimum dual spacing to be adjusted accordingly.

BOLD TYPE indicates designated rim width.

See page 42 for load and inflation limits for rims and wheels.

Source: The Tire and Rim Association

APPROVED RIM WIDTHS

FOR TIRES USED ON TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE

(TIRES MOUNTED ON 15° DROP CENTER RIMS)

CONVENTIONAL TIRES				METRIC WIDE BASE TIRES				METRIC			
TIRE SIZE DESIGNATION		APPROVED RIM WIDTHS		TIRE SIZE DESIGNATION		APPROVED RIM WIDTHS		TIRE SIZE DESIGNATION		APPROVED RIM WIDTHS	
RADIAL PLY				RADIAL PLY							
10R17.5	6.75	6.75HC	7.50 7.50HC	435/50R19.5	14.00	15.00		245/70R17.5	6.75	7.50	
9R17.5HC	6.75HC	6.75		445/50R19.5	14.00			205/75R17.5	5.25	6.00	6.75
11R17.5HC	8.25	8.25HC		335/65R22.5	9.00	9.75	10.50	215/75R17.5	6.00HC [†]	6.75HC	
8R19.5	5.25	6.00*	6.75*	385/65R22.5	11.75	12.25		225/70R19.5*	6.00	6.75	
9R22.5	6.00	6.75	7.50	425/65R22.5	11.75	12.25	13.00	245/70R19.5*	6.75	7.50	
10R22.5	6.75	7.50	8.25	445/65R22.5	12.25	13.00	14.00	265/70R19.5*	6.75	7.50	8.25
11R22.5	7.50	8.25		365/70R22.5	9.75	10.50	11.75	285/70R19.5	7.50	8.25	9.00
12R22.5	8.25	9.00						305/70R19.5	8.25	9.00	
13R22.5	9.00	9.75						295/60R22.5	9.00	9.75	
11R24.5	7.50	8.25						255/70R22.5	6.75	7.50	8.25
12R24.5	8.25	9.00						275/70R22.5	7.50	8.25	
								315/70R22.5	9.00	9.75	
								245/75R22.5	6.75	7.50	
								265/75R22.5	6.75	7.50	8.25
								295/75R22.5	8.25	9.00	
								275/80R22.5	7.50	8.25	
								295/80R22.5	8.25	9.00	
								315/80R22.5	8.25 [†]	9.00	
								285/75R24.5	8.25		

New tire section width will change .20 inches for each 1/2" change in rim width. Minimum dual spacing to be adjusted accordingly.

BOLD TYPE indicates designated rim width.

See page 42 for load and inflation limits for rims and wheels.

Drop center rims must be used with tubeless tires.

*RW rim width may also be used.

#The **6.75HC** rims may be necessary to provide adequate load/inflation capacity. Use caution in selecting the rim/wheel.

†8.25 Rim Maximum Loads: 7610 lbs. dual, 8000 lbs. steer.

Minimum Dual Spacing: 13.2".

HC — High Capacity

Source: The Tire and Rim Association, ETRTO and Goodyear standards.

