



SELECTION OF TIRES FOR LIGHT TRUCKS, TRUCKS, BUSSES, TRAILERS AND MULTI-PURPOSE PASSENGER VEHICLES AND DEFINITIONS OF TERMS

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

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

- a) **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.
- b) **Driver and Occupant Weight** — 150 pounds per occupant for the vehicle's designated seating capacity. For city and city-suburban busses, occupant load is based on 150 pounds per occupant and 150% of full-seated rating. For intercity busses, occupant load is based on 185 pounds per occupant (to include luggage) and 100% full-seated rating.
- c) **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 over five pounds.
- d) **Extra Equipment Weight** — Weight of any non-standard item other than accessories which are affixed to the vehicle.
- e) **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 over-loading any tires. For intercity busses, the maximum cargo load must be included in addition to the occupant load in determining maximum tire load.
- f) **Improved Surface** — An improved surface is one which is relatively smooth and intended to handle any vehicle manufactured primarily for use on public streets, roads and highways.

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 L-2.

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 RIM CAPACITY MUST NOT BE EXCEEDED.

Truck Tires

The inflation 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 2 or 3 on Pages L-2 and L-3.

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

The combined increases of A and B should not exceed 20 PSI above the inflation specified for the maximum load of the tire.
THE MAXIMUM RIM CAPACITY MUST NOT BE EXCEEDED.

See Page V for general notes and additional information.



LOAD LIMITS AT VARIOUS SPEEDS FOR DIAGONAL (BIAS) AND RADIAL PLY TRUCK TIRES USED 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 both Truck-Bus tires and Light Truck tires used on improved surfaces at reduced operating speeds. In addition, the Tire and Rim Association also permits operating a 65 mph-rated tire at higher speeds with a reduced load and increased inflation. (The Goodyear Tire & Rubber Company does not condone or recommend operating speeds above posted limits.) Goodyear accepts these increases, and they are published in our truck tire engineering data book. 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 L-4 and L-5.

TABLE 1 — LIGHT TRUCK TIRES

For LT Tire Sizes Only. (i.e. LT235/85R16, LT245/75R16). For 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 (+) OR DECREASE (-) IN LOADS
76 thru 85	+ 10 PSI	- 10%
66 thru 75	+ 10 PSI	None
56 thru 65	No Increase	None
46 thru 55	No Increase	+ 9%
36 thru 45	No Increase	+ 16%
26 thru 35	No Increase	+ 24%
16 thru 25	No Increase	+ 32%
11 thru 14 ¹⁾	+ 10 PSI	+ 50%
6 thru 10 ¹⁾	+ 10 PSI	+ 65%
1 thru 5 ¹⁾	+ 10 PSI	+ 80%
Stationary ¹⁾	+ 20 PSI	+ 165%

1) Apply load increase to dual loads only (even if tire is in single application).

Source: Tire and Rim Association

TABLE 2 — TRUCK & BUS TIRES

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

SPEED RANGE (MPH)	INFLATION PRESSURE INCREASE RADIAL PLY TIRES				LOAD CHANGES WITH SPEED RADIAL PLY TIRES			
	CONVENTIONAL (STD. PROFILE)		WIDEBASE/METRIC (LOW PROFILE)		CONVENTIONAL		WIDE BASE/METRIC	
	65 MPH	75 MPH	65 MPH	75 MPH	65 MPH	75 MPH	65 MPH	75 MPH
71 thru 75	+ 5 PSI	None	+ 5 PSI	None	- 12%	None	- 12%	None
66 thru 70	+ 5 PSI	None	+ 5 PSI	None	- 4%	None	- 4%	None
51 thru 65	None	None	None	None	None	None	None	None
41 thru 50	None	None	None	None	+ 9%	+ 9%	+ 7%	+ 7%
31 thru 40	None	None	None	None	+ 16%	+ 16%	+ 9%	+ 9%
21 thru 30	+ 10 PSI	+ 10 PSI	+ 10 PSI	+ 10 PSI	+ 24%	+ 24%	+ 12%	+ 12%
11 thru 20	+ 15 PSI	+ 15 PSI	+ 15 PSI	+ 15 PSI	+ 32%	+ 32%	+ 17%	+ 17%
6 thru 10 ¹⁾	+ 30 PSI	+ 30 PSI	+ 20 PSI	+ 20 PSI	+ 60%	+ 60%	+ 25%	+ 25%
2.6 thru 5 ¹⁾	+ 30 PSI	+ 30 PSI	+ 20 PSI	+ 20 PSI	+ 85%	+ 85%	+ 45%	+ 45%
Creep thru 2.5 ^{1) 2)}	+ 30 PSI	+ 30 PSI	+ 20 PSI	+ 20 PSI	+ 115%	+ 115%	+ 55%	+ 55%
Creep	+ 40 PSI	+ 40 PSI	+ 30 PSI	+ 30 PSI	+ 140%	+ 140%	+ 75%	+ 75%
Stationary ¹⁾	+ 40 PSI	+ 40 PSI	+ 30 PSI	+ 30 PSI	+ 185%	+ 185%	+ 105%	+ 105%

1) On conventional tires apply load increase to dual loads and inflations only, even if tire is in single application. 2) Creep—motion for not over 200 feet in a 30 minute period.

Source: Tire and Rim Association



**LOAD LIMITS AT VARIOUS SPEEDS FOR DIAGONAL (BIAS)
AND RADIAL PLY TRUCK TIRES USED ON IMPROVED SURFACES**
(These tables do not apply to rims or wheels.)

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 thru 50 (55 radial)	No Increase	No Increase	No Increase
31 thru 40	No Increase	No Increase	+ 7%
21 thru 30	No Increase	+ 10 PSI	+ 13%
11 thru 20	No Increase	+ 15 PSI	+ 21%

NOTE: The selection of tire sizes shall be based on meeting the requirements of maximum load as defined on Page L-1. Maximum load as defined on Page L-1 must not exceed the maximum tire load limit as indicated by the bold face type in the table. Minimum recommended cold inflation pressures for various loads must conform to the load table.

Source: Tire and Rim Association

**SELECTION, LOADS AND INFLATIONS AND IDENTIFICATION
FOR RIMS AND WHEELS**

RIM SELECTION

Tires shown in this book are designed by Goodyear for use on rims which meet Tire and Rim Association Standards. To insure 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 designed 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 manufacturers 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 ADJUSTMENTS FOR SPEED

A) Load Adjustments for Increased Speed (Column A on Worksheet pg. L-5)

Speeds > 65 mph for 65 mph rated tires

(Tires restricted to less than 65mph may not be adjusted using this method.)

1. Determine operating speed range required by customer.
2. Find percent load change required for that speed range (See Page L-2). Confirm that the table you are using is for the appropriate tire size.
3. Determine max. load and inflation pressure for the tire under normal speeds using load tables. Use single max. load/inflation for single applications and dual max. load/inflation for dual applications.
4. Multiply the percent decrease by the tire max. load.
5. Subtract the value obtained in #4 from the tire max. load to determine new allowable max. load.
6. Find inflation pressure increase required for the speed range desired. (This is not additive – for example, if there is a +5 PSI for 66 thru 70 mph, and +5 PSI for 71 thru 75 mph, to go 75 mph, only add 5 PSI.)
7. Add the value obtained in #6 to the inflation pressure at max. load to find the new required inflation pressure.
8. Check to make sure that the rim capability is not exceeded.

B) Load Adjustments for Reduced Speed (Column B on Worksheet pg. L-5)

1. Determine operating speed range required by customer.
2. Find percent load change permitted for that speed range (See Page L-2). Confirm that the table you are using is for the appropriate tire size.
3. Determine max. load and inflation pressure for the tire under normal speeds using load tables. Use single max. load/inflation for single applications and dual max. load/inflation for dual applications.
4. Multiply the percent increase by the tire max. 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 max. load to determine new allowable max. load.
6. Find inflation pressure increase required for the speed range desired.
7. Add the value obtained in #6 to the inflation pressure at max. load to find the new required inflation pressure.
8. Check to make sure that the rim capability is not exceeded.

C) Check Rim Capacity for Load & Inflation Changes (Column C on Worksheet pg. L-5)

(When the required inflation pressure is above max inflation pressure capacity of rim. See rim note on Page L-3.)

1. Find max. inflation pressure of rim.
2. Find the inflation pressure increase required by A6 or B6.
3. Subtract the required inflation pressure increase from that max. 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 B2.
6. Apply the percentage load increase to this "base" load.
7. Determine new max. load using the max. 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 Increased Speed

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

B) Adjustments for Reduced Speed

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

C) Rim Capacity for Load and Inflation Changes

- (1) Max. psi of rim _____
- (2) Psi change needed _____
- (3) Max. 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 max. 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.

- P — Identifies a tire primarily intended for service on passenger cars.
- T — Identifies a tire intended for one-position "temporary use" as a spare only.
- LT — Identifies a tire primarily intended for service on light trucks.
- B — Identifies a tire primarily intended for service on busses.

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.

TRUCK-BUS

- LT — Light Truck tires for service on Trucks, Busses, Trailers and Multi-Purpose Passenger Vehicles used in normal highway service for a 5° tapered bead seat rim with a specified rim diameter of nominal minus .032" diameter or with 15° tapered bead seat rim. 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, Busses 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.
- ML — Mining and Logging tires used in intermittent highway service.
- MH — Tires for Mobile Homes.
- HC — Identifies a heavy-duty tire designated for use on "HC" 15° tapered rims used on Trucks, Busses and other vehicles. 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.
- ST — Special Tires for Trailers in Highway Service.

OFF-THE-ROAD

- NHS — Not for Highway Service.
- TG — Tractor-Grader Tires — Not for highway service.
 - K — Compactor tire for use on 5° Drop Center or Semi-Drop Center Rims having bead seats with nominal minus .032" diameter.

INDUSTRIAL

- NHS — Not for Highway Service.
- SS — Differentiates tires for off-highway vehicles such as mini- and skid-steer loaders from other tires which use similar size designations such as 7.00-15TR and 7.00-15NHS, but may use different rim bead seat configurations.

AGRICULTURAL

- SL — Service Limited to agricultural usage.

See Page V for general notes and additional information.



SERVICE LOAD AND INFLATION TABLES LIGHT TRUCK METRIC TIRES

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

Highway — 65 MPH TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES (PSI).

TIRE SIZE DESIGNATION	Radial Ply Diagonal Ply, Bias Belted Dual(D) Single(S)	PSI																
		35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	
		30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110
TIRES MOUNTED ON 5° DROP CENTER RIMS																		
65 SERIES																		
LT275/65*18	D	1765	1940	2100	2335(C)	2420	2570	2755(D)	2865	3010	3085(E)							
	S	1940	2130	2310	2535(C)	2660	2825	3000(D)	3150	3305	3415(E)							
70 SERIES																		
LT255/70*16	D	1565	1720	1865	1985(C)	2150	2285	2470(D)										
	S	1720	1890	2050	2205(C)	2360	2510	2680(D)										
LT265/70*17	D	1720	1890	2050	2270(C)	2360	2510	2680(D)	2735	2820	2910(E)							
	S	1890	2075	2255	2470(C)	2595	2760	2910(D)	3005	3100	3195(E)							
LT275/70*17	D	1820	1995	2165	2335(C)													
	S	2000	2195	2380	2600(C)													
LT305/70*16	D	2040	2245	2440	2680(D)	2805	2980	3195(E)	3320	3485	3640(F)							
	S	2270	2465	2680	2910(D)	3085	3275	3525(E)	3650	3830	3970(F)							
LT315/70*16	D	2205	2355	2560	2835(D)													
	S	2405	2590	2815	3085(D)													
75 SERIES																		
LT195/75*14	D	1015	1115	1210	1325(C)	1390	1485	1565(D)										
	S	1115	1225	1330	1435(C)	1530	1630	1710(D)										
LT195/75*15	D	1060	1165	1265	1390(C)													
	S	1165	1280	1390	1520(C)													
LT215/75*15	D	1225	1340	1460	1610(C)	1680	1785	1930(D)										
	S	1345	1475	1605	1765(C)	1845	1960	2095(D)										
LT235/75*15	D	1390	1530	1660	1820(C)	1910	2030	2150(D)	2265	2375	2535(E)							
	S	1530	1680	1825	1985(C)	2100	2230	2335(D)	2490	2610	2755(E)							
LT225/75*16	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)							
LT245/75*16	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)							
LT265/75*16	D	1740	1910	2075	2270(C)	2390	2540	2755(D)	2825	2965	3085(E)							
	S	1910	2100	2280	2470(C)	2625	2790	3000(D)	3105	3260	3415(E)							
LT285/75*16	D	1940	2130	2310	2535(C)	2660	2830	3000(D)										
	S	2130	2340	2540	2755(C)	2925	3110	3305(D)										
LT315/75*16	D																	
	S	2535(C)	2715	2950	3195(D)													
80 SERIES																		
LT235/80*17	D	1570	1725	1870	2040(C)	2190	2315	2470(D)	2560	2685	2835(E)							
	S	1725	1895	2055	2270(C)	2405	2545	2680(D)	2815	2950	3085(E)							
85 SERIES																		
LT215/85*16	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)							
LT235/85*16	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)	
LT255/85*16	D	1745	1920	2085	2270(C)	2400	2550	2755(D)										
	S	1920	2110	2290	2470(C)	2635	2800	3000(D)										

*Tire size designation will include "R" (radial ply), "B" (bias belted) or "D" (Diagonal or bias ply). Notes: 1. Letters in parenthesis denote Load Range for which Loads are Maximum.
CAUTION - Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-1 for Approved Rim Contours.
Sourced from 2002 Tire and Rim Data, ETRTO and Goodyear load inflation data.





SERVICE LOAD AND INFLATION TABLES

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

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

TIRE SIZE	Radial Ply	PSI																	
		35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
DESIGNATION	Diagonal Ply	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115
	Dual(D)	TIRES MOUNTED ON 5° DROP CENTER OR SEMI DROP CENTER RIMS																	
	Single(S)																		
7.00*15LT	D	1190	1310	1420	1520(C)	1620	1715	1820(D)	1870	1960	2040(E)								
	S	1350	1480	1610	1710(C)	1830	1940	2040(D)	2130	2220	2335(E)								
7.50*16LT	D	1430	1565	1690	1820(C)	1930	2040	2150(D)	2245	2345	2470(E)								
	S	1620	1770	1930	2040(C)	2190	2310	2470(D)	2560	2670	2755(E)								
12.00*16.5LT	D	2090(C)	2280	2460	2640(D)	2810	2970	3120(E)	3275	3420	3560(F)								
	S	2370(C)	2590	2800	3000(D)	3190	3370	3550(E)	3720	3885	4045(F)								
		TIRES MOUNTED ON 15° DROP CENTER RIMS																	
8.00*14.5LT	D	1330	1430	1540	1640	1730	1820	1910	2000(D)	2080	2160	2240(E)	2310	2380	2460(F)				
	S	1510	1630	1750	1860	1970	2070	2170	2270(D)	2360	2450	2540(E)	2620	2710	2790(F)				
9.00*14.5LT	D	1540	1660	1780	1890	2010	2110	2220	2310(D)	2400	2490	2590(E)	2680	2750	2840(F)				
	S	1750	1890	2020	2150	2280	2400	2510	2620(D)	2730	2830	2940(E)	3040	3130	3230(F)				
8.00*16.5LT	D	1195	1310	1415	1520(C)	1620	1710	1800(D)	1885	1970	2050(E)	2130	2200	2280(F)					
	S	1360	1490	1610	1730(C)	1840	1945	2045(D)	2145	2240	2330(E)	2420	2500	2590(F)					
9.50*16.5LT	D	1635	1785	1925	2070(C)	2200	2330	2445(D)	2570	2685	2790(E)								
	S	1860	2030	2190	2350(C)	2500	2650	2780(D)	2920	3050	3170(E)								
14.00*17.5	D				3570(D)	3800	4020	4220(E)	4430	4620	5810(F)	5000	5180	5360(G)	5540	5700	5860(H)		
	S				3500	3790	4060(D)	4320	4570	4800(E)	5030	5255	5470(F)	5680	5890	6090(G)	6290	6480	6660(H)

TIRE SIZE	Radial Ply	PSI							6 PR	8 PR
		36	40	44	47	51	55	65		
DESIGNATION		TIRES MOUNTED ON 5° DROP CENTER OR SEMI-DROP CENTER RIMS								
185R14C	D								1609	1764
	S								1708	1874

*Tire size designation will include "R" (radial ply) or "D" (Diagonal or bias ply).
 Notes: 1. Letters in parenthesis denote Load Range for which **BOLD FACE** Loads and Inflatons are Maximum.
 CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-1 for Approved Rim Contours.
 Sourced from 2002 Tire and Rim Data, ETRTO and Goodyear load inflation data.



SPECIAL TIRES LIMITED TO USE ON MOBILE HOMES ONLY

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

TIRE SIZE DESIGNATION	Radial Ply	PSI										
		50	55	60	65	70	75	80	85	90	95	100
TIRES MOUNTED ON 15° DROP CENTER RIMS												
7.00*14.5MH		1530	1620	1710	1790	1875(D)	1940	2020	2095(E)	2160	2230	2335(F)
8.00*14.5MH		1860	1985(C)	2070	2170	2270(D)	2360	2450	2600(E)	2620	2710	2835(F)

SPECIAL ST METRIC TIRES FOR TRAILERS IN HIGHWAY SERVICE

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

TIRE SIZE DESIGNATION	Radial Ply	PSI											
		25	30	35	40	45	50	55	60	65	70	75	80
ST175/80*13		905	1000	1100(B)	1190	1270	1360(C)						
ST185/80*13		990	1100	1200(B)	1300	1400	1480(C)						
ST205/75*14		1170	1300	1430(B)	1530	1640	1760(C)	1850	1950	2040(D)			
ST215/75*14		1270	1410	1520(B)	1660	1790	1870(C)						
ST205/75*15		1220	1360	1480(B)	1610	1720	1820(C)	1940	2040	2150(D)			
ST225/75*15		1430	1600	1760(B)	1880	2020	2150(C)	2270	2380	2540(D)	2620	2720	2830(E)
ST235/80*16		1720	1920	2090(B)	2270	2430	2600(C)	2730	2870	3000(D)	3130	3260	3420(E)

*Tire size designation will include "R" (radial ply).

Notes: 1. Letters in parenthesis denote Load Range for which **BOLD FACE** Loads and Inflation are Maximum.

CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-1 for Approved Tire and Rim Contours.

Sourced from 2002 Tire and Rim Data, ETRTO and Goodyear load inflation data.





SERVICE LOAD AND INFLATION TABLES
PASSENGER CAR TIRES USED ON LIGHT TRUCK, TRAILERS
OR SPECIAL PURPOSE PASSENGER VEHICLES

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

TIRE SIZE DESIGNATION	Radial Ply	PSI					
		26	29	32	35	38	41
P205/70R14		1123	1183	1243	1302(S)		
P215/70R14		1223	1283	1353	1412(S)		
P225/70R14		1323	1393	1463	1523(S)		
P205/75R14		1203	1273	1333	1393(S)	1443	1503(X)
P215/75R14		1303	1383	1443	1513(S)		
P225/75R14		1413	1493	1564	1634(S)		
P235/70R15		1493	1574	1644	1724(S)		
P245/70R15		1604	1684	1774	1843(S)	1924	1995(X)
P195/75R15		1163	1223	1283	1343(S)		
P205/75R15		1263	1333	1393	1453(S)	1513	1554(X)
P215/75R15		1373	1443	1513	1584(S)	1644	1704(X)
P225/75R15		1483	1564	1634	1704(S)	1774	1844(X)
P235/75R15		1594	1684	1764	1844(S)	1914	1985(X)
P245/75R15		1714	1804	1894	2005(S)		
P265/75R15		1964	2075	2175	2245(S)		
P225/70R16		1443	1523	1594	1654(S)		
P235/70R16		1554	1644	1714	1804(S)	1864	1954(X)
P245/70R16		1674	1764	1844	1905(S)		
P255/70R16		1784	1884	1975	2065(S)	2146	2245(X)
P265/70R16		1914	2015	2115	2185(S)		
P225/75R16		1544	1624	1704	1805(S)	1854	1904(X)
P235/75R16		1664	1754	1844	1904(S)	2005	2065(X)
P245/75R16		1784	1884	1975	2065(S)		
P265/75R16		2045	2155	2265	2365(S)		
P205/60R17		1313	1383	1443	1854		
P255/75R17		1995	2105	2205	2305		
P265/70R17		1995	2105	2205	2305(S)		
P275/60R20		2055	2165	2275	2365		

*Loads have been reduced by a service factor of 1.10 for passenger tires used on light trucks, trailers or multi-purpose passenger vehicles.
 Note: Letters in parenthesis denote Load Range for which **BOLD FACE** Loads are Maximum.

CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-1 for Approved Tire and Rim Contours.
 Sourced from 2002 Tire and Rim Data, ETRTO and Goodyear load inflation data.



SERVICE LOAD AND INFLATION TABLES
 PASSENGER CAR TIRES USED ON LIGHT TRUCK, TRAILERS
 OR SPECIAL PURPOSE PASSENGER VEHICLES

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

TIRE SIZE DESIGNATION	Radial Ply	PSI	
		36 STD	42 REINF
225/75R15		1704(LI 102)	1904(LI 106)
235/75R15		1854(LI 105)	2065(LI 109)
205/65R16		1383(LI 95)	
255/65R16		2065(LI 109)	
215/70R16		1604(LI 100)	
225/70R16		1704(LI 102)	1904(LI 107)
235/70R16		1904(LI 106)	2065(LI 109)
245/70R16		1955(LI 107)	2185(LI 111)
255/70R16		2185(LI 111)	
255/55R18		1854(LI 105)	2065(LI 109)
255/55R16		1753(LI 103)	
255/50R17		1653(LI 101)	
225/55R17		1463(LI 97)	1653(LI 101)
275/55R17		2064(LI 109)	
285/60R17		2365(LI 114)	
235/65R17		1803(LI 104)	2004(LI 108)
265/60R18		2125(LI 110)	
295/40ZR20		1905(LI 106)	
285/30ZR22			1653(LI 101)
215/65R16		1503(LI 98)	1703(LI 102)
255/60R18			2245(LI 112)
255/55R19		1954(LI 107)	2185(LI 111)
285/50R20		2245(LI 112)	

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*Loads have been reduced by a service factor of 1.10 for passenger tires used on light trucks, trailers or multi-purpose passenger vehicles.

Note: Letters in parenthesis denote Load Index for which **Bold Face** Loads are Maximum.

CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-1 for Approved Tire and Rim Contours.

Sourced from 2002 Tire and Rim Data, ETRTO and Goodyear load inflation data.

LOADS



**LIGHT TRUCK HIGH FLOTATION TIRES
FOR TRUCKS, TRAILERS AND MULTI-PURPOSE PASSENGER VEHICLES IN NORMAL HIGHWAY SERVICE
TIRES USED AS SINGLES**

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

TIRE SIZE DESIGNATION	Radial Ply Bias Ply	PSI					
		25	30	35	40	45	50
TIRES MOUNTED ON 5° DROP CENTER RIMS							
30x9.50*15LT		1240	1410	1565(B)	1715	1855	1985(C)
31x10.50*15LT		1400	1595	1765(B)	1945	2100	2270(C)
31x11.50*15LT		1455	1660	1820(B)	2020	2185	2335(C)
32x11.50*15LT		1575	1795	1985(B)	2185	2360	2535(C)
33x12.50*15LT		1765(B)	2000	2205(C)			
35x12.50*15LT		2040	2295	2535(C)			
35x12.50*17LT		1875	2155	2405(C)	2625	2840	3000(D)
37x12.50*17LT		2150	2470	2755(C)	3005	3250	3525(D)
TIRES MOUNTED ON 15° DROP CENTER RIMS							
33x12.50*16.5LT				3335(C)			2910(D)
36x12.50*16.5LT				2850(C)	3120	3375	3615(D)
37x12.50*16.5LT			2730	3035(C)	3320	3590	3850(D)

*Tire size designation will include "R" (radial ply).

Note: Letters in parenthesis denote Load Range for which **BOLD FACE** Loads are Maximum.

CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-1 for Approved Tire and Rim Contours.



SERVICE LOAD AND INFLATION TABLE
 TIRES FOR TRUCKS, BUSES AND TRAILERS USED IN HIGHWAY SERVICE
 RADIAL PLY

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

TIRE SIZE	Dual(D) Single(S)	PSI															
		60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135
7.50R17 8R19.5	D	2230	2350	2460	2610	2755(D)	2865	2975	3085(E)	3195	3305	3415(F)					
	S	2270	2410	2540	2680	2835(D)	2955	3075	3195(E)	3305	3415	3525(F)					
8.25R15TR	D			3040	3150	3260	3360	3525	3635	3745	3860(G)						
	S			3200	3340	3470	3590	3750	3860	3970	4080(G)						
8.75R16.5 LT	D	1970	2095	2175	2260	2405(E)											
	S	2240	2405	2470	2570	2680(E)											
9R17.5HC	D					3525	3635	3745	3860	3970	4080	4190(H)					
	S					3750	3860	3970	4080	4190	4300	4410(H)					
10.00R15TR LR-J	D							5110	5320	5540	5750	5960	6180	6380	6395(J)		
	S							5380	5600	5830	6050	6270	6500	6720	6940(J)		

HIGHWAY — 55 MPH MAXIMUM SPEED

14.00R20	D					7900	8270(H)	8640	9010	9370(J)	9650	9930	10200(L)				
	S					8670	9090(H)	9460	9830	10200(J)	10470	10740	11000(L)				

Note: Letters in parenthesis denote Load Range for which **BOLD FACE** loads are maximum.
 See Pages M-2 and M-3 for Approved Rim Contours.
 CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours.



RADIAL PLY TIRES FOR TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE
TIRE AND RIM ASSOCIATION STANDARD

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

TIRE SIZE DESIGNATION	Radial Ply	PSI											
		65	70	75	80	85	90	95	100	105	110	115	120
		TIRES MOUNTED ON 15° DROP CENTER RIMS											
	Dual(D) Single(S)												
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)
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)
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)
11.00R20	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)
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)
11.00R24		D	5390	5630	5860	6090	6175(F)	6430	6690	6940(G)	7160	7380	7610(H)
		S	5570	5860	6140	6420	6780(F)	7060	7340	7610(G)	7830	8050	8270(H)
12.00R24		D	6120	6390	6650	6910	7160	7390(G)	7610	7830	8050(H)	8300	8540(J)
		S	6330	6660	6980	7280	7580	8050(G)	8310	8570	8820(H)	9100	9370(J)

Note: Letters in parenthesis denote Load Range for which **BOLD FACE** Loads are maximum.
CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Pages M-2 and M-3 for Approved Tire and Rim Contours.



SERVICE LOAD AND INFLATION TABLE
 METRIC TIRES FOR TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE
 RADIAL PLY TIRES

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

TIRE SIZE	Dual(D) Single(S)	(The pressure is minimum for the load)												
		PSI 70	75	80	85	90	95	100	105	110	115	120	125	130
TUBELESS TIRES MOUNTED ON 15° DROP CENTER RIMS														
215/75R17.5	D	2695	2835	2975	3115	3255	3390	3525(F)						
(Load Range F Only)	S	2865	3015	3165	3315	3460	3605	3750(F)						
215/75R17.5*	D					3490	3645	3800	3950	4100	4245	4395	4540(H)	
(Load Range H Only)	S					3695	3860	4020	4180	4340	4495	4650	4805(H)	
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)						
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)		
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)	
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)				
275/80R22.5	D					5080	5305	5530	5750	5965	6185	6400	6610(H)	
	S					5500	5745	5985	6225	6460	6700	6930	7160(H)	
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)		
295/80R22.5	D			4855	5100	5335	5570	5805	6035	6265	6490	6720	6940(H)	
	S			5480	5750	6020	6285	6550	6810	7070	7320	7580	7830(H)	
285/75R24.5	D	4540	4740	4930	5205	5310	5495	5675(G)	5860	6175(H)				
	S	4545	4770	4990	5210	5420	5675	5835	6040	6175(G)	6440	6780(H)		
315/80R22.5	D				5840	6070	6395(G)	6540	6770	6940(H)	7210	7610(J)		
	S				6415	6670	6940(G)	7190	7440	7610(H)	7920	8270(J)		

HIGHWAY — 55 MPH MAXIMUM SPEED

315/80R22.5	D				5840	6070	6395(G)	6540	6770	6940(H)	7210	7610(J)	7940	8270(L)
	S				6415	6670	6940(G)	7190	7440	7610(H)	7920	8270(J)	8680	9090(L)
315/80R22.5 (HSS)	D				5840	6070	6395(G)	6540	6770	6940(H)	7210	7610(J)	7940	8270(L)
	S				6415	6670	6940(G)	7190	7440	7610(H)	7920	8270(J)	9240	10200(L)

Note: 1. Letters in parenthesis denote load range for which **BOLD FACE** loads are maximum.

CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-2 for Approved Tire and Rim Contours.

*For trailer use only.

LOADS



RADIAL PLY METRIC TIRES FOR TRUCKS, BUSES AND TRAILERS USED IN NORMAL HIGHWAY SERVICE
 TIRES MOUNTED ON 15° DROP CENTER RIMS

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

TIRE SIZE	Dual(D) Single(S)	PSI											
		65	70	75	80	85	90	95	100	105	110	115	120
DESIGNATION													
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)

Notes: 1. Letters in parenthesis denote Load Range for which **BOLD FACE** loads are maximum. International Load Index numbers shown after Load Range.
 CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-2 for Approved Tire and Rim Contours.



SERVICE LOAD AND INFLATION TABLES FOR IMPORTED TIRES
TIRES FOR TRUCKS, BUSES AND TRAILERS USED IN HIGHWAY SERVICE

Highway Service

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

TIRE SIZE	Dual(D) Single(S)	PSI	65	70	75	80	85	90	95	100	105	110	115	120	125	130	
		60	TUBELESS TIRES MOUNTED ON 15° DROP CENTER RIMS														
10.00R15TR	D			3660	3830	3980	4130	4300(F)	4470	4640	4805(G)						
	S			3780	3980	4170	4370	4540(F)	4715	4890	5070(G)						
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)			
10R17.5HC	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)			
12R22.5	D							5340	5570	5810	6040	6270	6490	6720	6940(J)		
	S							6020	6290	6550	6810	7070	7320	7580	7830(J)		
235/75R17.5	D			3570	3770	3970	4170	4365	4555	4745	4935	5125	5310	5495	5675(H)		
	S			3775	3990	4200	4410	4615	4820	5025	5225	5420	5620	5810	6005(H)		
285/70R19.5	D				3990	4200	4410	4615	4820	5025	5225	5420	5620	5810	6005(H)		
	S				4250	4475	4695	4915	5135	5350	5560	5775	5980	6190	6395(H)		
315/80R22.5	D						5840	6070	6395	6540	6770	6940	7210	7390	7390(J)		
	S						6415	6670	6940	7190	7440	7610	7920	8270	8820(J)		
365/80R20	D								-	-	-	-	-	-	-	-	
	S								7780	8110	8430	8750	9070	9380	9690	10000(J)	

Notes: Letters in parenthesis denote Load Range for which **BOLD FACE** loads are maximum.





SERVICE LOAD AND INFLATION TABLES
 WIDE BASE TIRES FOR TRUCKS, BUSES AND
 TRAILERS USED IN NORMAL HIGHWAY SERVICE
 RADIAL PLY TIRES

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

(The pressure is minimum for the load)

TIRE SIZE DESIGNATION	Dual(D) Single(S)	PSI										
		80	85	90	95	100	105	110	115	120	125	130
TIRES MOUNTED ON 15° DROP CENTER RIMS												
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)	10800	11400(L)		
445/65R22.5	S	9090	9480	9870	10200	10600	11000	11400	11700	12300(L)		
TUBELESS TIRES MOUNTED ON 5° FULL TAPERED OR TYPE III TUBELESS RIMS												
395/85R20	S	8410	8780	9140	9370(G)	9840	10200	10500(H)	10800	11000(J)	11500	11700(L)
16.00R20,21	S	11650	12160	12660	13150	13630(L)	14090	14540(M)				

HIGHWAY — 55 MPH MAXIMUM SPEED

14.00R20	D	8120	8430	8740(J)	9030	9320	9610(L)					
	S	8510	8890	9260	9610	9960(J)	10300	10620	10960(L)			

- Notes: 1. Letters in parenthesis denote Load Range for which **BOLD FACE** type loads are maximum.
 2. An additional 10 PSI cold inflation is recommended to compensate for pressure loss between airings. However, in no case should rim load and inflation limits be exceeded.

CAUTION – Always use Approved Tire and Rim Combinations for Diameters and Contours. See Page M-2 for Approved Tire and Rim Contours.



SERVICE DESCRIPTION

Some Light Truck and Truck/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 TABLE

Load Index	kg.	lbs.	Load Index	kg.	lbs.	Load Index	kg.	lbs.
100	800	1765	126	1700	3750	151	3450	7610
101	825	1820	127	1750	3860	152	3550	7830
102	850	1875	128	1800	3970	153	3650	8050
103	875	1930	129	1850	4080	154	3750	8270
104	900	1985	130	1900	4190	155	3875	8540
105	925	2040	131	1950	4300	156	4000	8820
106	950	2095	132	2000	4410	157	4125	9090
107	975	2150	133	2060	4540	158	4250	9370
108	1000	2205	134	2120	4675	159	4375	9650
109	1030	2270	135	2180	4805	160	4500	9920
110	1060	2335	136	2240	4940	161	4625	10200
111	1090	2405	137	2300	5070	162	4750	10500
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						

SPEED SYMBOL TABLE

Speed	Km/h	Mph
F	80	50
G	90	55
J	100	62
K	110	68
L	120	75
M	130	81
N	140	87
P	150	93
Q	160	99
R	170	106
S	180	112
T	190	118
H	210	130

LOADS

Source: Tire and Rim Association