

Medium Truck Load/ Inflation Tables

Safety Warning

Serious Injury May Result From:

- Explosion of tire/rim assembly due to improper mounting. Use safety cage and clip-on extension air hose. Only specially trained persons should mount tires.
- Tire failure due to misapplication/improper inflation/overloading.

*Follow tire manufacturer's instructions.
Check inflation pressure frequently with calibrated gauge.*

Commercial Vehicle Tires

Normal and Wide-Base Sizes on 5 Degree or Flat-Based Rims - Radial Ply

Tire Loads Limits at Various Cold Inflation Pressures

24"			kPa	480	520	550	590	620	660	690	720	760	790	830
			psi	70	75	80	85	90	95	100	105	110	115	120
325/95R24	*	dual	kg	2780	2860	3020	3140	3250	3350	3450	3550	3650	3760	3875 (J)
			lbs	6120	6390	6650	6910	7160	7390	7610	7830	8050	8300	8540 (J)
	single	kg	2870	3020	3170	3300	3440	3650	3770	3890	4000	4130	4250 (J)	
		lbs	6330	6660	6980	7280	7580	8050	8310	8570	8820	9100	9370 (J)	

Conventional Sizes on 15 Degree Drop-Center Rims - Radial Ply

22.5"			kPa	480	520	550	590	620	660	690	720	760	790	830
			psi	70	75	80	85	90	95	100	105	110	115	120
10R22.5	*	dual	kg	1750	1830	1910	2000	2080	2160	2240	2300	2360	2430 (G)	--
			lbs	3860	4045	4230	4410	4585	4760	4940	5075	5210	5355 (G)	--
	single	kg	1850	1940	2030	2120	2200	2280	2360	2430	2500	2575 (G)	--	
		lbs	4080	4280	4480	4675	4850	5025	5205	5360	5515	5675 (G)	--	
11R22.5	**	dual	kg	1990	2080	2160	2250	2360	2460	2560	2650 (G)	2680	2710	2725 (H)
			lbs	4380	4580	4760	4950	5205	5415	5625	5840 (G)	5895	5950	6005 (H)
	single	kg	2050	2160	2260	2370	2500	2600	2700	2800 (G)	2870	2940	3000 (H)	
		lbs	4530	4770	4990	5220	5510	5730	5950	6175 (G)	6320	6465	6610 (H)	
12R22.5	*	dual	kg	2170	2260	2350	2440	2575	2630	2680	2725 (G)	2840	2960	3075 (H)
			lbs	4780	4990	5190	5390	5675	5785	5895	6005 (G)	6265	6525	6780 (H)
	single	kg	2240	2360	2470	2580	2725	2820	2910	3000 (G)	3120	3240	3350 (H)	
		lbs	4940	5200	5450	5690	6005	6205	6405	6610 (G)	6870	7130	7390 (H)	

24.5"			kPa	480	520	550	590	620	660	690	720	760	790	830
			psi	70	75	80	85	90	95	100	105	110	115	120
11R24.5	*	dual	kg	2110	2210	2300	2390	2500	2580	2660	2725 (G)	2820	2910	3000 (H)
			lbs	4660	4870	5070	5260	5510	5675	5840	6005 (G)	6205	6405	6610 (H)
	single	kg	2190	2300	2410	2520	2650	2770	2890	3000 (G)	3080	3160	3250 (H)	
		lbs	4820	5070	5310	5550	5840	6095	6350	6610 (G)	6790	6970	7160 (H)	
12R24.5	*	dual	kg	2300	2400	2500	2600	2650	2770	2890	3000 (G)	3080	3160	3250 (H)
			lbs	5080	5300	5520	5730	5840	6095	6350	6610 (G)	6790	6970	7160 (H)
	single	kg	2380	2500	2630	2740	2900	3020	3140	3250 (G)	3350	3450	3550 (H)	
		lbs	5240	5520	5790	6040	6395	6650	6910	7160 (G)	7380	7600	7830 (H)	

CAUTION: Always use approved tire and rim combinations for diameters and contours.

NOTE: All values are for 65 mph unless otherwise noted, for tire load and inflation at various speeds, see page 48-53.

* Based on TRA

** Based On ETRTO

NOTE: Letters in parentheses denote load range for which boldface loads are maximum.

Commercial Vehicle Tires

Metric and Wide-Base Sizes on 15 Degree Drop-Center Rims - Radial Ply

Tire Loads Limits at Various Cold Inflation Pressures

16"		kPa	250	280	310	350	380	410	450	480	520	550	
		psi	35	40	45	50	55	60	65	70	75	80	
LT225/75R16	**	Dual	kg	635	675	725	800 (C)	845	885	975 (D)	1000	1040	1120 (E)
			lbs	1365	1500	1630	1765 (C)	1875	1995	2150 (D)	2220	2330	2470 (E)
	Single	kg	700	745	795	880 (C)	930	970	1060 (D)	1100	1140	1215 (E)	
		lbs	1500	1650	1790	1940 (C)	2060	2190	2335 (D)	2440	2560	2680 (E)	

17.5"		kPa	480	520	550	590	620	660	690	720	760	790	830	860	
		psi	70	75	80	85	90	95	100	105	110	115	120	125	
215/75R175	**	Dual	kg	--	--	1450	1520	1590	1650	1720	1790	1860	1925	1990	2060 (J)
			lbs	--	--	3195	3500	3500	3645	3795	3945	4095	4245	4390	4545 (J)
	Single	kg	--	--	1530	1610	1680	1750	1820	1900	1960	2040	2110	2180 (J)	
		lbs	--	--	3375	3540	3695	3860	4010	4180	4330	4495	4650	4805 (J)	
235/75R175	**	Dual	kg	--	--	--	--	--	2020	2140	2200	2325	2380	2440	2575 (J)
			lbs	--	--	--	--	--	4450	4720	4855	5120	5250	5380	5675 (J)
	Single	kg	--	--	--	--	--	2080	2205	2270	2395	2455	2515	2725 (J)	
		lbs	--	--	--	--	--	4580	4860	5000	5275	5410	5545	6005 (J)	
245/70R175	**	Dual	kg	--	--	--	--	--	2020	2140	2200	2325	2380	2440	2575 (J)
			lbs	--	--	--	--	--	4450	4720	4855	5120	5250	5380	5675 (J)
	Single	kg	--	--	--	--	--	2080	2205	2270	2395	2455	2515	2725 (J)	
		lbs	--	--	--	--	--	4580	4860	5000	5275	5410	5545	6005 (J)	

19.5"		kPa	480	520	550	590	620	660	690	720	760	790	830	860	900	
		psi	70	75	80	85	90	95	100	105	110	115	120	125	130	
225/70R195	*	Dual	kg	1230	1300	1360	1410	1470	1550	1580	1640	1700 (G)	--	--	--	--
			lbs	2720	2860	3000	3115	3245	3415	3490	3615	3750 (G)	--	--	--	--
	Single	kg	1310	1380	1450	1500	1570	1650	1690	1740	1800 (G)	--	--	--	--	
		lbs	2895	3040	3195	3315	3450	3640	3715	3845	3970 (G)	--	--	--	--	
245/70R195	*	Dual	kg	--	--	1550	1590	1660	1750	1790	1850	1950 (G)	--	--	--	--
			lbs	--	--	3415	3515	3655	3860	3940	4075	4410 (G)	--	--	--	--
	Single	kg	--	--	1650	1700	1770	1850	1900	1970	2060 (G)	--	--	--	--	
		lbs	--	--	3640	3740	3890	4080	4190	4335	4540 (G)	--	--	--	--	
245/70R195 (LRH Only)	*	Dual	kg	--	--	1550	1590	1660	1750	1790	1850	1950	1970	2060 (H)	--	--
			lbs	--	--	3415	3515	3655	3860	3940	4075	4300	4345	4540 (H)	--	--
	Single	kg	--	--	1650	1700	1770	1850	1900	1970	2060	2095	2180 (H)	--	--	
		lbs	--	--	3640	3740	3890	4080	4190	4335	4540	4620	4805 (H)	--	--	
265/70R195 @81 mph	**	Dual	kg	1560	1640	1700	1780	1860	1950	2000	2000	2120	2360 (H)	--	--	--
			lbs	3430	3600	3750	3930	4095	4300	4405	4415	4675	5205 (H)	--	--	--
	Single	kg	1660	1740	1800	1900	1970	2060	2130	2200	2300	2500 (H)	--	--	--	
		lbs	3650	3830	3970	4180	4355	4540	4685	4850	5070	5510 (H)	--	--	--	
285/70R195 LRH @ 81 mph	**	Dual	kg	--	1870	1970	2065	2160	2260	2355	2450	2540	2630	2725 (H)	--	--
			lbs	--	4125	4340	4555	4770	4980	5190	5395	5600	5805	6005 (H)	--	--
	Single	kg	--	1990	2100	2200	2305	2405	2505	2605	2705	2805	2900 (H)	--	--	
		lbs	--	4390	4625	4855	5080	5305	5525	5745	5965	6180	6395 (H)	--	--	
285/70R195 LRJ @ 68 mph	**	Dual	kg	--	--	--	2240	2345	2450	2550	2650	2750	2850	2950	3050	3150 (J)
			lbs	--	--	--	4940	5170	5400	5625	5850	6070	6290	6510	6730	6940 (J)
	Single	kg	--	--	--	2385	2495	2610	2715	2825	2930	3040	3145	3250	3350 (J)	
		lbs	--	--	--	5260	5505	5750	5990	6230	6465	6700	6930	7160	7390 (J)	
305/70R195	*	Dual	kg	--	--	2060	2120	2200	2300	2370	2450	2575	2620	2725	2900 (J)	
			lbs	--	--	4540	4670	4860	5070	5230	5410	5675	5770	6005	6395 (J)	
	Single	kg	--	--	2240	2330	2420	2500	2610	2700	2800	2870	3000	3150 (J)		
		lbs	--	--	4940	5130	5340	5510	5745	5945	6175	6340	6610	6940 (J)		

22.5"			kPa	480	520	550	590	620	660	690	720	760	790	830	830	900
			psi	70	75	80	85	90	95	100	105	110	115	120	125	130
255/70R22.5	*	Dual	kg	--	--	1800	1860	1940	2000	2020	2090	2120	2230	2300 (H)	--	--
			lbs	--	--	3970	4110	4275	4410	4455	4610	4675	4915	5070 (H)	--	--
		Single	kg	--	--	1900	1980	2060	2120	2220	2300	2360	2450	2500 (H)	--	--
			lbs	--	--	4190	4370	4550	4675	4895	5065	5205	5400	5510 (H)	--	--
275/70R22.5	**	Dual	kg	--	--	--	2070	2155	2265	2345	2424	2535	2615	2720	2795	2900 (J)
			lbs	--	--	--	4565	4750	4995	5170	5345	5590	5765	5995	6160	6395 (J)
		Single	kg	--	--	--	2250	2340	2460	2550	2635	2750	2840	2955	3040	3150 (J)
			lbs	--	--	--	4960	5160	5420	5620	5810	6060	6260	6510	6700	6940 (J)
275/80R22.5	**	Dual	kg	1860	1950	2060	2130	2220	2300	2390	2470	2575 (G)	2630	2800 (H)	--	--
			lbs	4095	4300	4540	4690	4885	5070	5260	5440	5675 (G)	5795	6175 (H)	--	--
		Single	kg	2040	2140	2240	2340	2440	2500	2620	2710	2800 (G)	2890	3150 (H)	--	--
			lbs	4500	4725	4940	5155	5370	5510	5780	5980	6175 (G)	6370	6940 (H)	--	--
295/60R22.5 9.00" wheel @ 65mph	**	Dual	kg	--	--	--	2187	2290	2392	2492	2592	2690	2787	2885	2970	3075 (J)
			lbs	--	--	--	4825	5050	5275	5495	5715	5930	6145	6360	6570	6780 (J)
		Single	kg	--	--	--	2385	2495	2610	2715	2825	2930	3040	3145	3230	3350 (J)
			lbs	--	--	--	5260	5505	5750	5990	6230	6465	6700	6930	7160	7390 (J)
295/60R22.5 9.00" wheel @ 75mph	**	Dual	kg	--	--	--	--	2187	2290	2392	2492	2592	2690	2787	2885	2970 (J)
			lbs	--	--	--	--	4825	5050	5275	5495	5715	5930	6145	6360	6570 (J)
		Single	kg	--	--	--	--	2385	2495	2610	2715	2825	2930	3040	3145	3230 (J)
			lbs	--	--	--	--	5260	5505	5750	5990	6230	6465	6700	6930	7160 (J)
295/75R22.5	*	Dual	kg	1860	1950	2060	2130	2220	2300	2390	2470	2575 (G)	2630	2800 (H)	--	--
			lbs	4095	4300	4540	4690	4885	5070	5260	5440	5675 (G)	5795	6175 (H)	--	--
		Single	kg	2040	2140	2240	2340	2440	2500	2620	2710	2800 (G)	2890	3150 (H)	--	--
			lbs	4500	4725	4940	5155	5370	5510	5780	5980	6175 (G)	6370	6940 (H)	--	--
295/80R22.5	**	Dual	kg	2050	2160	2260	2370	2500	2600	2700	2800	2910	3030	3150 (H)	--	--
			lbs	4530	4770	4990	5220	5510	5730	5950	6175	6415	6670	6945 (H)	--	--
		Single	kg	2380	2500	2630	2740	2900	3020	3140	3250	3350	3450	3550 (H)	--	--
			lbs	5240	5520	5790	6040	6395	6650	6910	7160	7380	7600	7830 (H)	--	--
305/70R22.5	**	Dual	kg	1915	2020	2130	2235	2340	2445	2545	2645	2745	2845	2945	3150 (L)	--
			lbs	4220	4450	4700	4930	5160	5390	5610	5830	6050	6270	6490	6940 (L)	--
		Single	kg	2155	2280	2400	2520	2635	2755	2870	2985	3095	3210	3320	3430	3550 (L)
			lbs	4750	5030	5290	5560	5810	6070	6330	6580	6820	7080	7320	7560	7830 (L)
315/80R22.5	*	Dual	kg	--	--	2575	2650	2750	2900	2970	3070	3150	3270	3450	3600	3750 (L)
			lbs	--	--	5675	5840	6070	6395	6545	6770	6940	7210	7610	7940	8270 (L)
		Single	kg	--	--	2800	2910	3030	3150	3260	3370	3450	3590	3750	3960	4125 (L)
			lbs	--	--	6175	6415	6670	6940	7190	7440	7610	7920	8270	8600	9090 (L)
315/80R22.5** speed re- stricted LRL		Dual	kg	--	--	2800	2910	3030	3150	3260	3370	3450	3590	3750	3940	4125 (L)
			lbs	--	--	6175	6415	6670	6940	7190	7440	7610	7920	8270	8680	9090 (L)
		Single	kg	--	--	3050	3170	3300	3430	3550	3670	3760	3910	4125	4330	4540 (L)
			lbs	--	--	6725	6990	7275	7560	7825	8090	8290	8620	9090	9545	10000 (L)
385/65R22.5	**	Dual	kg	--	--	--	--	--	--	--	--	--	--	--	--	--
			lbs	--	--	--	--	--	--	--	--	--	--	--	--	--
		Single	kg	2880	3060	3150	3350	3470	3650	3740	3850	4000	4100	4250	4360	4500 (L)
			lbs	6380	6720	6940	7350	7650	8050	8230	8510	8820	9050	9370	9610	9920 (L)
425/65R22.5	**	Dual	kg	--	--	--	--	--	--	--	--	--	--	--	--	--
			lbs	--	--	--	--	--	--	--	--	--	--	--	--	--
		Single	kg	3430	3640	3750	3980	4130	4250	4440	4580	4750	4880	5150 (L)	--	--
			lbs	7590	7990	8270	8740	9100	9370	9790	10100	10500	10700	11400 (L)	--	--
445/50R22.5	*	Dual	kg	--	--	--	--	--	--	--	--	--	--	--	--	--
			lbs	--	--	--	--	--	--	--	--	--	--	--	--	--
		Single	kg	--	3150	3320	3480	3640	3810	3970	4120	4250	4430	4625 (L)	--	--
			lbs	--	6940	7310	7680	8030	8390	8740	9090	9370	9780	10200 (L)	--	--
445/65R22.5	*	Dual	kg	--	--	--	--	--	--	--	--	--	--	--	--	--
			lbs	--	--	--	--	--	--	--	--	--	--	--	--	--
		Single	kg	3720	3950	4125	4320	4470	4625	4820	4960	5150	5290	5800 (L)	--	--
			lbs	8230	8660	9090	9480	9870	10200	10600	11000	11400	11700	12800 (L)	--	--

24.5"			kPa	480	520	550	590	620	660	690	720	760	790	830
			psi	70	75	80	85	90	95	100	105	110	115	120
285/75R24.5	*	Dual	kg	1870	1970	2060	2150	2240	2360	2410	2490	2575 (G)	2660	2800 (H)
			lbs	4135	4340	4540	4740	4930	5205	5310	5495	5675 (G)	5860	6175 (H)
		Single	kg	2060	2160	2240	2360	2460	2575	2650	2740	2800 (G)	2920	3075 (H)
			lbs	4545	4770	4940	5210	5420	5675	5835	6040	6175 (G)	6440	6780 (H)

CAUTION: Always use approved tire and rim combinations for diameters and contours.

NOTE: All values are for 65 mph unless otherwise noted, for tire load and inflation at various speeds, see page 48-53.

* Based on TRA

** Based On ETRTO

NOTE: Letters in parentheses denote load range for which boldface loads are maximum.

Load Limits At Various Speeds

For Radial Ply Truck Tires Used On Improved Surfaces

(These Tables apply to tires only. Consult rim/wheel manufacturer for rim/wheel load and inflation capacities.)

Tire And Rim Association Standard

FOR METRIC AND WIDE BASE TIRES

The service load and minimum (cold) inflation must comply with the following limitations unless a speed restriction is indicated on the tire or the manufacturer rates the tire at 75 mph or above.

SPEED RANGE (MPH)	RADIAL PLY TIRES	
	INFL. PRESSURE CHANGE	% LOAD CHANGE
71 thru 75	+5 psi	-12%
66 thru 70	+5 psi	-4%
51 thru 65	No Increase	None
41 thru 50	No Increase	+7%
31 thru 40	No Increase	+9%
21 thru 30	+10 psi	+12%
11 thru 20	+15 psi	+17%
6 thru 10	+20 psi	+25%
2.6 thru 5	+20 psi	+45%
Creep thru 2.5	+20 psi	+55%
Creep (2)	+30 psi	+75%
Stationary	+30 psi	+105%

FOR CONVENTIONAL TIRES

The service load and minimum (cold) inflation must comply with the following limitations unless a speed restriction is indicated on the tire or the manufacturer rates the tire at 75 mph or above.

SPEED RANGE (MPH)	RADIAL PLY TIRES	
	INFL. PRESSURE CHANGE	% LOAD CHANGE
71 thru 75	+5 psi	-12%
66 thru 70	+5 psi	-4%
51 thru 65	No Increase	None
41 thru 50	No Increase	+9%
31 thru 40	No Increase	+16%
21 thru 30	+10 psi	+24%
11 thru 20	+15 psi	+32%
6 thru 10 (1)	+30 psi	+60%
2.6 thru 5 (1)	+30 psi	+85%
Creep thru 2.5 (1)	+30 psi	+115%
Creep (1) (2)	+40 psi	+140%
Stationary (1)	+40 psi	+185%

NOTES

1. Apply these increases to Dual Loads and Inflation Pressures.
2. Creep - Motion for not over 200 feet in a 30-minutes period.

Note 1: The inflation pressures shown in the minimum cold pressures for the various loads listed.

Higher pressures should be used as follows:

- A. When required by the above speed/load table.
- 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 20 psi above the inflation specified for the maximum load of the tire.

Note 2: Load limits at various speed for:
Tires used in highway service at Restricted Speed.
Mining and Logging Tires used in Intermittent Highway Service.

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

Load Limits At Various Speeds

Tires Rated At 75 Mph And Radial Ply Truck Tires Used On Improved Surfaces

(These tables apply to tires only. Consult rim/wheel manufacturer for rim/wheel load and inflation capacities.)

Tire And Rim Association Standard

FOR METRIC AND WIDE BASE TIRES		
SPEED RANGE (MPH)	RADIAL PLY TIRES	
	INFL. PRESSURE CHANGE	% LOAD CHANGE
71 thru 75	No Increase	None
66 thru 70	No Increase	None
51 thru 65	No Increase	None
41 thru 50	No Increase	+7%
31 thru 40	No Increase	+9%
21 thru 30	+10 psi	+12%
11 thru 20	+15 psi	+17%
6 thru 10	+20 psi	+25%
2.6 thru 5	+20 psi	+45%
Creep thru 2.5	+20 psi	+55%
Creep (2)	+30 psi	+75%
Stationary	+30 psi	+105%

FOR CONVENTIONAL TIRES		
SPEED RANGE (MPH)	RADIAL PLY TIRES	
	INFL. PRESSURE CHANGE	% LOAD CHANGE
71 thru 75	No Increase	None
66 thru 70	No Increase	None
51 thru 65	No Increase	None
41 thru 50	No Increase	+9%
31 thru 40	No Increase	+16%
21 thru 30	+10 psi	+24%
11 thru 20	+15 psi	+32%
6 thru 10 (1)	+30 psi	+60%
2.6 thru 5 (1)	+30 psi	+85%
Creep thru 2.5 (1)	+30 psi	+115%
Creep (1) (2)	+40 psi	+140%
Stationary (1)	+40 psi	+185%

NOTES

1. Apply these increases to Dual Loads and Inflation Pressures.
2. Creep - Motion for not over 200 feet in a 30-minutes period.

Note 1: The inflation pressures shown in the minimum cold pressures for the various loads listed.

Higher pressures should be used as follows:

- A. When required by the above speed/load table.
- 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 20 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.