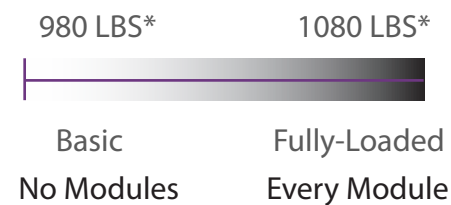


Is my truck ready for the added weight?

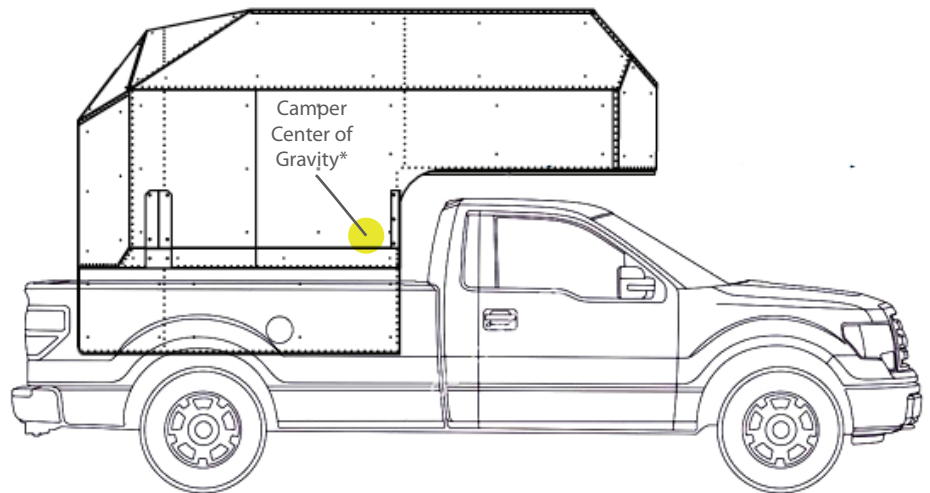
Payload Capacity

This is the combined weight of cargo and passengers that your vehicle is carrying. The maximum payload of your vehicle appears in the "Tire and Loading" label located either on the B-pillar or the edge of the driver's door.

Kimbo Weight Range



*All weights and center-of-gravity measurements are approximate only



Suspension Recommendation

We recommend Double Convolute Air Suspension Springs for truck rear suspensions. Why you may ask?

This is for practical, everyday usage. We find that there are times when you need to level your load, depending on what you are carrying and the amount of provisions in your truck. Another note, posturing your truck so that it has a positive forward-slant, allows your front steering to not feel sloppy; feels solid and in control.



You will be able to customize the amount of air inside the bags to stiffen up your load while traveling at higher speeds, as well as, decrease air pressure to allow for a more enjoyable, back-road travel. When on the highways, stiffening up the back end of your truck allows for better control in crosswinds. So, in the end, the airbags allow a spectrum of adaptation as needed, based on road driving conditions and total payload.



Midsized trucks similar to this:
<https://bityl.co/KqNC>



Fullsize trucks similar to this:
<https://bityl.co/KqNI>

*Always check with suspension experts regarding your specific truck and model year, as select trucks have coil spring rear suspensions, leaf springs etc. At Kimbo, we see many successes with these double convoluted air springs.

Weight Ratings

Gross Axle Weight Rating (GAWR)

GAWR means the value specified by the manufacturer as the load-carrying capacity of a single axle system, as measured at the tire-ground interfaces, the loaded weight of the vehicle. Basically the maximum allowable weight placed on an axle of a vehicle when fully equipped, including payload, fluids and occupants.

Gross Vehicle Weight Rating (GVWR)

This rating is shown on the vehicle's Safety Compliance Certification Label, located on the driver's side door lock facing or the door latch post pillar. This weight is basically the maximum total safe weight of your vehicle, counting the curb weight, plus the weight of your passengers, fuel, any accessories added to the vehicle, cargo, and the tongue weight of a tow trailer.

Curb Weight

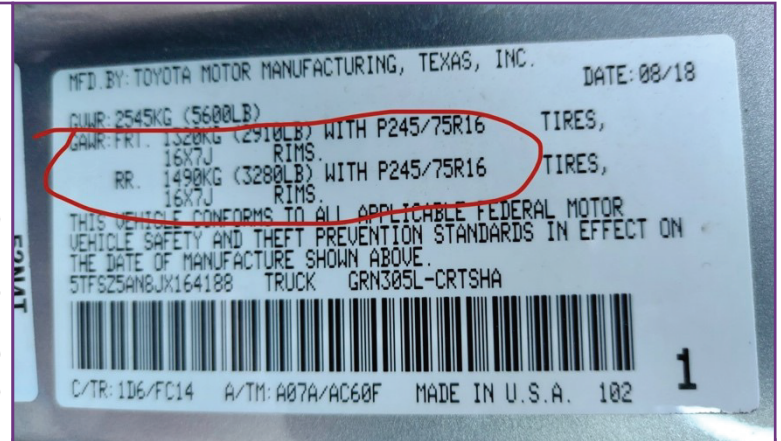
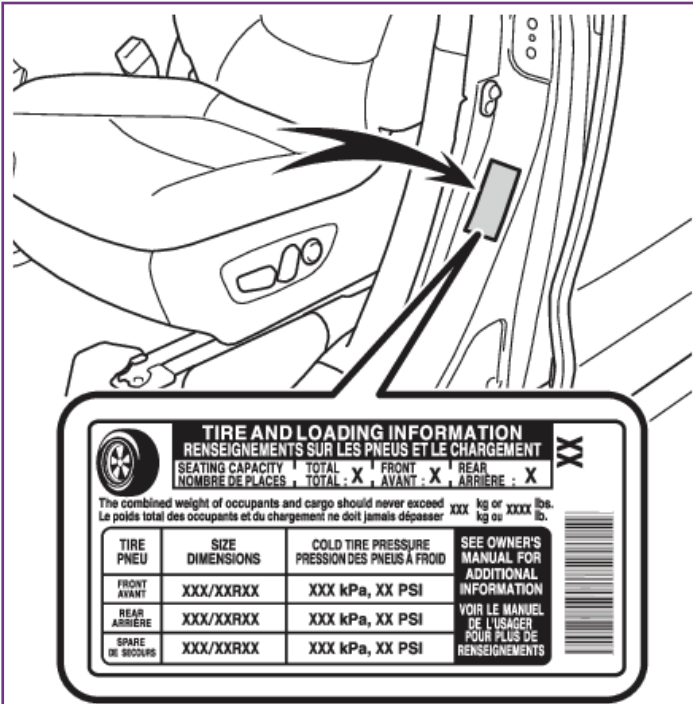
Curb weight is the weight of the vehicle including a full tank of fuel and all standard equipment. It does not include the weight of any passengers, cargo, or optional equipment. Curb weight is considered the closest weight to the actual weight of the vehicle.

Gross Combined Weight Rating (GCWR)

The GCWR is the maximum weight of your vehicle, with a trailer attached, as determined by the manufacturer. Basically the weight of both the tow vehicle and trailer and their respective loads placed inside.

The following page will have an example of a payload capacity calculation. If your vehicle does not meet the payload requirements for the added weight, you must upgrade your vehicle suspension system. It is vital that you do, since the alternative is a serious safety situation and may cause extreme vehicle structural damage.

Example Weight Calculation (if necessary)



GVCWR is = 4,550, Curb Weight Rating
 GVWR is = 5600
 GAWR Front = 2910
 GAWR Rear = 3280
 GATWR = 6190 Gross Axle

$$\text{Total Payload Carrying Capacity} = ((\text{GAWRF} + \text{GAWRR})) - \text{GVCWR} = 1,640\text{lbs}$$

$$= (2910 + 3280) - 4550 = 1,640 \text{ lbs}$$

OR:

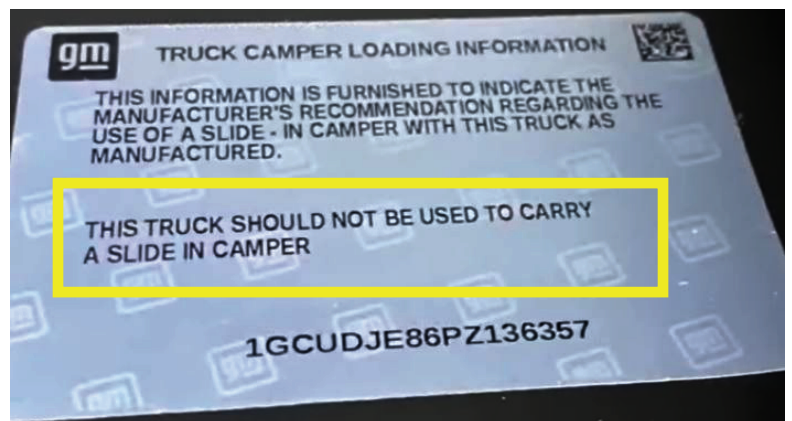
$$\text{Total Payload Carrying Capacity} = ((\text{GATWR} - \text{GVWR}) + ((\text{GVWR} - \text{GVCWR})))$$

$$= ((6190 - 5600) + (5600 - 4550)) = 1,640\text{lbs}$$

A Word of Caution

When determining if a camper is right for your vehicle, ensure that your vehicle warranty is not connected to slide-in camper usage.

Chevy-issued warranties, for example, may be voided if slide-ins are used on select models, since the frame may warp over time.

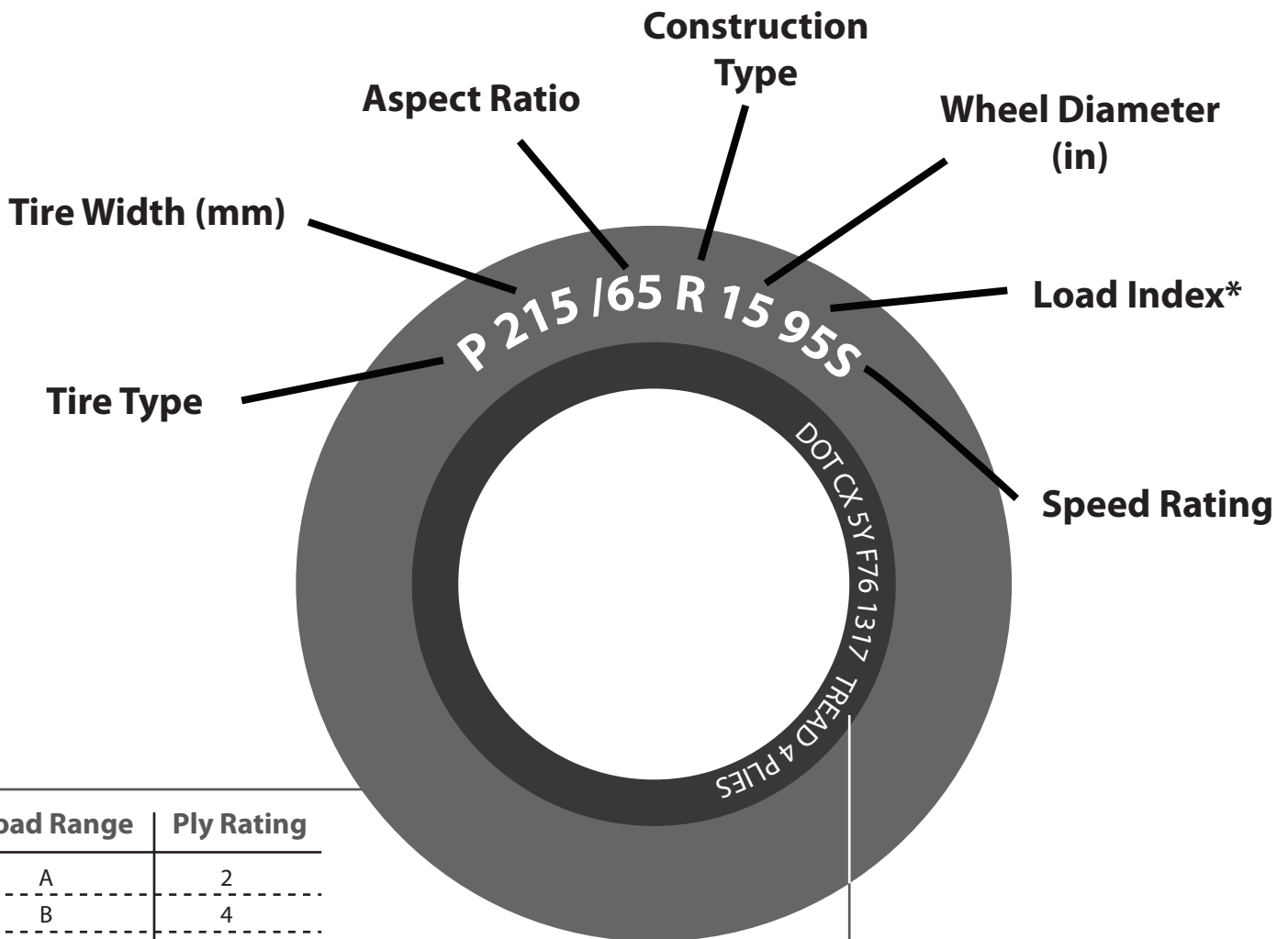


Ex: Chevy Silverado 1500 label inside glove compartment (Top)

Tire Information

E-Rated Tires

We recommend E-rated tires for camper use. Tire load range E, denotes the maximum load capacity of each tire. These tires come with a 10-ply rating, meaning that construction of the tire offers equivalent strength to a 10-ply structure. The actual meaning is that each tire can hold 1,520 lbs at 80 PSI max. E2 rated tires are for smaller trucks, with a size under 305mm width and can only accommodate PSI of 65. Please read the following pages for more detailed information.



Load Range	Ply Rating
A	2
B	4
C	6
D	8
E	10
F	12
G	14
H	16
J	18
L	20
M	22
N	24

Ply Construction

The load range of a light truck tire indicates the ply rating of the tire. There are two plies per letter. In general, the higher the number of plies, the more weight a tire can support.



Tire Information

Load Index*

Below is an excerpt from the Load-Carrying Capacity per Tire Chart that you can find online. The higher the load index number, the more maximum load each tire can carry.

Load Index	Carrying Capacity (lbs)	Load Index	Carrying Capacity (lbs)	Load Index	Carrying Capacity (lbs)
80	992	100	1764	126	3748
81	1019	101	1819	127	3858
82	1047	102	1874	128	3968
83	1074	103	1929	129	4079
84	1102	104	1984	130	4189
85	1135	105	2039	131	4289
86	1168	106	2094	132	4409
87	1201	107	2149	133	4541
88	1235	108	2205	134	4674
89	1279	109	2271	135	4806
90	1323	110	2337	136	4938
91	1356	111	2403	137	5071
92	1389	112	2469	138	5203
93	1433	113	2535	139	5357
94	1477	114	2601	140	5512
95	1521	115	2679	141	5677
96	1565	116	2756	142	5842
97	1609	117	2833	143	6008
98	1653	118	2910	144	6173
99	1709	119	2998	145	6393
		120	3086	146	6614
		121	3197	147	6779
		122	3307	148	6844
		123	3417	149	7165
		124	3527	150	7385
		125	3638		

Tire Information

Load Index Continued

Load range is based on an older measurement called ply rating. All tires are constructed of rubber and cord layers referred to as "plies". Historically, more plies gave a tire a larger load-carrying capacity, so manufacturers would count the plies and use this number to denote this measurement.

However, modern tire construction uses fewer, stronger plies. Therefore, load range simply defines the tire's toughness and maximum allowable air pressure, as opposed to specific information about the actual plies being used. For example, a "C" load range indicates that a tire is equivalent to a 6-ply construction tire. This tire isn't actually built with 6 plies, but rather one or two plies of equivalent strength.

Load Range and Ply Rating		
Load Range	Ply Rating	Max Load Carrying Air Pressure
Standard Load (SL)	4	@ 36 PSI
Extra Load (XL)	4	@ 42 PSI
C1	6	@ 50 PSI
C2	6	@ 35 PSI
D1	8	@ 65 PSI
D2	8	@ 50 PSI
E1	10	@ 80 PSI
E2	10	@ 65 PSI
F1	12	@ 95 PSI
G	14	@ 110 PSI