



WEIGHT RESTRICTION INFORMATION BULLETIN

17 AAC 25.100 (a) The Department of Transportation and Public Facilities may prohibit the operation of vehicles upon any highway or may impose restrictions on any aspect of vehicle operation on any highway whenever the highway, in the judgment of the commissioner, may be seriously damaged or destroyed by such operation or whenever it is deemed necessary by the commissioner in the interests of safety to the traveling public. The restrictions shall be effective after due notice has been given to the public except in an emergency requiring immediate action. (b) Except for steering axles, whenever weight restrictions imposed by the commissioner or the commissioner's representative are stated as a percentage of legal allowable weights, the percentage shall be applied to the maximum allowable axle loading of 17 AAC 25.013 (a)(4) and (5).

Dual Tired Maximum Allowable Axle or Axle Group Weight in Pounds

Axle Weight Restriction%	<u>1 Axle*</u>	<u>2 Axles</u>	<u>3 Axles**</u>	<u>4 Axles</u>	<u>5 Axles</u>	<u>6 Axles</u>
Legal 100%	20,000	38,000	42,000	50,000	58,000	66,000
85%	17,000	32,300	35,700	42,500	49,300	56,100
75%	15,000	28,500	31,500	37,500	43,500	49,500
50%	10,000	19,000	21,000	25,000	29,000	33,000

* Tire tread width must be 9.25" or larger or legal weight is controlled by tire size

** Reference 17 AAC 25.013 (a)(5) for additional allowable weight on certain (3) axle combinations

- 100% represents the legal maximum allowable weight. Restrictions are based on 85%, 75%, or 50% of the maximum allowable axle/axle group weight.
- 8'1" is the minimum spacing between axle groups. Axles spaced less than 8'1" apart are considered acting as one group.
- Lift axle(s) in the drive group of the power unit are not counted in determining the legal maximum allowable weight.
- The maximum allowable weight for **all axle(s)** is determined by the number of tires multiplied by the tire tread width and then multiplied by 600 pounds/inch of tire tread width and remains unchanged at 85%, 75%, and 50% weight restrictions.

5. The legal weight at 100% is **always the most restrictive weight as calculated by:**
 - (1) **the bridge formula (chart),**
 - (2) **the summation of individual axle/axle group weights, or**
 - (3) **tire loading per 17 AAC 25.013(a)(1)**

The individual axle/axle group weight is the most restrictive of the weight determined by tires or by axle(s).

Single Tired Axle Weight in Pounds

8" tread width = 9,600	11" tread width = 13,200	14" tread width = 16,800
9" tread width = 10,800	12" tread width = 14,400	15" tread width = 18,000
10" tread width = 12,000	13" tread width = 15,600	16" tread width = 19,200

WEIGHT RESTRICTIONS AND EXCEPTIONS

1. Within seven (7) days of the effective date of restriction, vehicles en-route at the time of restrictions are allowed 100% of legal axle load, except when the effective date of the restriction is known 30 days in advance. A bill of lading is required to verify the shipping date. These vehicles are subject to the restrictions seven (7) days after the effective date of the restriction.
2. Interstate sealed and charged produce vans are allowed 100% of legal axle load when they have been charged prior to the effective date of the restriction. A bill of lading is required to verify the shipping date. These trucks are subject to the restrictions when loaded after the effective date of the restriction.
3. Intermodal (IM) portable tanks or compartments have a volume greater than 7,500 liters (1,980 U.S. gallons) are allowed 100% of legal axle load because they may not be loaded to a filling density less than 80% by volume by federal law, (49 CFR Part 173.32(f)(5)). A bill of lading identifying the product name and identification number is required.
4. Vehicles or loads that exceed weight restriction limits may be issued permits for health and safety concerns.
5. School and municipal buses engaged in transporting people are allowed 100% of legal load. No permit is required.