

Senate Engrossed

~~vehicles and loads; gross weight~~
(now: gross weight; vehicles and loads)

State of Arizona
Senate
Fifty-fifth Legislature
First Regular Session
2021

CHAPTER 302

SENATE BILL 1291

AN ACT

AMENDING SECTION 28-1100, ARIZONA REVISED STATUTES; RELATING TO VEHICLE
SIZE, WEIGHT AND LOAD.

(TEXT OF BILL BEGINS ON NEXT PAGE)

1 Be it enacted by the Legislature of the State of Arizona:

2 Section 1. Section 28-1100, Arizona Revised Statutes, is amended to
3 read:

4 28-1100. Vehicles and loads; gross weight restrictions;
5 exceptions

6 A. Except as provided in subsection H of this section or section
7 28-1099, a person may operate a vehicle on all highways, including a toll
8 facility as defined in section 28-7751, subject to the following maximum
9 gross weights:

10 1. Twenty thousand pounds, including enforcement tolerances, on any
11 one axle.

12 2. Thirty-four thousand pounds, including enforcement tolerances,
13 on a tandem axle.

14 3. Eighty thousand pounds on a vehicle combination of five axles or
15 more.

16 4. On a group of two or more consecutive axles, including any
17 steering or castering axles, an overall gross weight, including
18 enforcement tolerances, produced by application of the following formula
19 in which W equals overall gross weight on any group of two or more
20 consecutive axles to the nearest five hundred pounds, L equals distance in
21 feet between the extreme of any group of two or more consecutive axles to
22 the nearest foot and N equals number of axles in any group under
23 consideration, except that two consecutive sets of tandem axles may carry
24 a gross load of thirty-four thousand pounds each if the overall distance
25 between the first and last axles of the consecutive sets of tandem axles
26 is thirty-six feet or more if the overall gross weight does not exceed
27 eighty thousand pounds, including all enforcement tolerances:

$$W = 500 (LN/(N-1) + 12N + 36)$$

29 B. For the purposes of subsection A of this section, "tandem axles"
30 means two or more consecutive axles that are more than forty inches but
31 not more than ninety-six inches apart.

32 C. This section does not apply to a vehicle and load that cannot be
33 easily dismantled or divided and that have been issued a special permit
34 pursuant to section 28-1103.

35 D. It is not a defense in a prosecution for a violation of this
36 section that a vehicle or vehicle combination is registered for a declared
37 gross weight as defined in section 28-5431 in excess of the amount allowed
38 under this section. The department shall not make an allowance or refund
39 for fees paid for the weight in excess of the amount allowed under this
40 section.

41 E. A single vehicle or a single vehicle of a combination of
42 vehicles shall not be equipped with more than three axles, including the
43 front steering axle, unless the additional axles are steering axles or
44 castering axles. The limitation on the number of axles provided in this
45 subsection does not apply to a vehicle operated with a permit issued
46 pursuant to section 28-1103.

1 F. A vehicle or combination of vehicles equipped with one or more
2 variable load axles shall have the pressure control preset and located
3 outside of the cab so that the operator of the vehicle cannot vary the
4 weight carried on the variable load axle or axles during transport of a
5 load. The actuating control that raises or lowers the axle or axles may
6 be located inside the cab for safety purposes. This actuating control
7 must completely raise or completely lower the axle or axles when
8 activated.

9 G. This section does not apply to a truck that meets all of the
10 following requirements and for which a special permit has been issued
11 pursuant to section 28-1103:

- 12 1. Is equipped with a conveyor bed.
- 13 2. Is used solely as a fiber and forage module mover.
- 14 3. Does not exceed forty-eight feet in length.
- 15 4. Is only operated each year from August 1 through January 30,
16 unless the director extends the period of use.

17 H. The gross weight of a heavy-duty vehicle that is equipped with
18 idle reduction technology and the gross weight imposed on the highway by
19 the wheels of any one axle or axle group of the vehicle may exceed the
20 weight limitation specified in subsection A of this section by not more
21 than ~~four~~ FIVE hundred FIFTY pounds or the weight of the idle reduction
22 technology, whichever is less. This subsection only applies if the heavy-
23 duty vehicle operator, on request, proves by written certification the
24 weight of the idle reduction technology and, by demonstration or
25 certification, that the idle reduction technology is fully functional at
26 all times. For the purposes of this subsection, "heavy-duty vehicle" and
27 "idle reduction technology" have the same meanings prescribed in 42 United
28 States Code section 16104a.

29 I. The gross weight of a vehicle operated by an engine fueled
30 primarily by natural gas, BATTERY ELECTRIC, OR HYDROGEN and the gross
31 weight imposed on the highway by the wheels of any one axle or axle group
32 of the vehicle may exceed the weight limitation specified in subsection A
33 of this section, but may not exceed eighty-two thousand pounds or an
34 amount that is equal to the difference between the weight of the vehicle
35 attributable to the natural gas tank and fueling system OR BATTERY
36 ELECTRIC OR HYDROGEN FUEL CELL ELECTRIC FUELING SYSTEM and the weight of a
37 comparable diesel tank and fueling system, whichever is less.

APPROVED BY THE GOVERNOR APRIL 28, 2021.

FILED IN THE OFFICE OF THE SECRETARY OF STATE APRIL 28, 2021.