169.824 GROSS WEIGHT SCHEDULE.

Subdivision 1. **Table of axle weight limits.** (a) No vehicle or combination of vehicles equipped with pneumatic tires shall be operated upon the highways of this state where the total gross weight on any group of two or more consecutive axles of any vehicle or combination of vehicles exceeds that given in the following axle weight limits table for the distance between the centers of the first and last axles of any group of two or more consecutive axles under consideration. Unless otherwise noted, the distance between axles must be measured longitudinally to the nearest even foot, and when the measurement is a fraction of exactly one-half foot the next largest whole number in feet shall be used, except that when the distance between axles is more than three feet four inches and less than three feet six inches the distance of four feet shall be used.

	Axle Weight Limits		
	Maximum gross weight in pounds on a group of		
	2	3	4
Distances in feet between centers of foremost and rearmost axles of a group	consecutive axles of a 2-axle vehicle or any combination of vehicles having a total of 2 or more axles	consecutive axles of a 3-axle vehicle or any combination of vehicles having a total of 3 or more axles	consecutive axles of a 4-axle vehicle or any combination of vehicles having a total of 4 or more axles
4	34,000		
5	34,000		
6	34,000		
7	34,000	34,000	
8	34,000	34,000	
8 plus	34,000	42,000	
	(38,000)		
9	35,000	43,000	
	(39,000)		
10	36,000	43,500	49,000
	(40,000)		
11	36,000	44,500	49,500
12		45,000	50,000
13		46,000	51,000
14		46,500	51,500

15	47,500	52,000
16	48,000	53,000
17	49,000	53,500
18	49,500	54,000
19	50,500	55,000
20	51,000	55,500
21	52,000	56,000
22	52,500	57,000
23	53,500	57,500
24	54,000	58,000
25	(55,000)	59,000
26	(55,500)	59,500
27	(56,500)	60,000
28	(57,000)	61,000
29	(58,000)	61,500
30	(58,500)	62,000
31	(59,500)	63,000
32	(60,000)	63,500
33		64,000
34		65,000
35		65,500
36		66,000
37		67,000
38		67,500
39		68,000
40		69,000
41		69,500
42		70,000
43		71,000

44	71,500
45	72,000
46	72,500
47	(73,500)
48	(74,000)
49	(74,500)
50	(75,500)
51	(76,000)
52	(76,500)
53	(77,500)
54	(78,000)
55	(78,500)
56	(79,500)
57	(80,000)

(b) The maximum gross weight on a group of three consecutive axles, where the distance between centers of foremost and rearmost axles of any axle group is seven feet or eight feet, is 34,000 pounds, except for vehicles manufactured before August 1, 1991. Notwithstanding any lesser weight shown in the axle weight limits table, for vehicles manufactured before August 1, 1991:

(1) the maximum gross weight on a group of three consecutive axles, where the distance between centers of foremost and rearmost axles of any axle group is seven feet, is 37,000 pounds; and

(2) the maximum gross weight on a group of three consecutive axles, where the distance between centers of foremost and rearmost axles of any axle group is eight feet, is 38,500 pounds.

(c) "8 plus" refers to any distance greater than eight feet but less than nine feet.

Axle Weight Limits (continued)

	Maximum gross weight in pounds on a group of			
	5	6	7	8
Distances in feet between centers of foremost and rearmost axles of a group	consecutive axles of a 5-axle vehicle or any combination of vehicles having a total of 5 or more axles	consecutive axles of a 6-axle vehicle or any combination of vehicles having a total of 6 or more axles	consecutive axles of a 7-axle vehicle or any combination of vehicles having a total of 7 or more axles	consecutive axles of an 8-axle vehicle or any combination of vehicles having a total of 8 or more axles

14	57,000			
15	57,500			
16	58,000			
17	59,000			
18	59,500			
19	60,000			
20	60,500	66,000	72,000	
21	61,500	67,000	72,500	
22	62,000	67,500	73,000	
23	62,500	68,000	73,500	
24	63,000	68,500	74,000	
25	64,000	69,000	75,000	
26	64,500	70,000	75,500	
27	65,000	70,500	76,000	
28	65,500	71,000	76,500	
29	66,500	71,500	77,000	
30	67,000	72,000	77,500	
31	67,500	73,000	78,500	
32	68,000	73,500	79,000	
33	69,000	74,000	79,500	
34	69,500	74,500	80,000	
35	70,000	75,000	(80,500)	(86,000)
36	70,500	76,000	(81,000)	(86,500)
37	71,500	76,500	(81,500)	(87,000)
38	72,000	77,000	(82,000)	(87,500)
39	72,500	77,500	(82,500)	(88,500)
40	73,000	78,000	(83,500)	(89,000)
41	74,000	79,000	(84,000)	(89,500)
42	74,500	79,500	(84,500)	(90,000)

43	75,000	80,000	(85,000)	(90,500)
44	75,500	(80,500)	(85,500)	(91,000)
45	76,500	(81,000)	(86,000)	(91,500)
46	77,000	(81,500)	(87,000)	(92,500)
47	77,500	(82,000)	(87,500)	(93,000)
48	78,000	(83,000)	(88,000)	(93,500)
49	79,000	(83,500)	(88,500)	(94,000)
50	79,500	(84,000)	(89,000)	(94,500)
51	80,000	(84,500)	(89,500)	(95,000)
52	(80,500)	(85,000)	(90,500)	(95,500)
53	(81,000)	(86,000)	(91,000)	(96,500)
54	(81,500)	(86,500)	(91,500)	(97,000)
55	(82,500)	(87,000)	(92,000)	(97,500)
56	(83,000)	(87,500)	(92,500)	(98,000)
57	(83,500)	(88,000)	(93,000)	(98,500)
58	(84,000)	(89,000)	(94,000)	(99,000)
59	(85,000)	(89,500)	(94,500)	(99,500)
60	(85,500)	(90,000)	(95,000)	(100,500)
61			(95,500)	(101,000)
62			(96,000)	(101,500)
63			(96,500)	(102,000)
64			(97,000)	(102,500)
65				(103,000)
66				(103,500)
67				(104,500)
68				(105,000)
69				(105,500)
70				(106,000)
71				(106,500)

72	(107,000)
73	(107,500)
74	(108,000)

(d) The gross weights shown without parentheses in the axle weight limits table are allowed on unpaved streets and highways, unless posted to a lesser weight under section 169.87, subdivision 1. The gross weights shown in this table, whether within or without parentheses, are allowed on paved streets and highways, unless posted to a lesser weight under section 169.87, subdivision 1. Gross weights in excess of 80,000 pounds require an overweight permit under this chapter, unless otherwise allowed under section 169.826.

(e) Notwithstanding any lesser weight shown in the axle weight limits table, but subject to the restrictions on gross vehicle weights in subdivision 2, clauses (1) and (2), two consecutive sets of tandem axles may carry a gross load of 34,000 pounds each and a combined gross load of 68,000 pounds provided the overall distance between the first and last axles of the consecutive sets of tandem axles is 36 feet or more.

Subd. 2. **Gross vehicle weight of all axles.** The gross vehicle weight of all axles of a vehicle or combination of vehicles must not exceed:

(1) 80,000 pounds for any vehicle or combination of vehicles on all streets and highways, unless posted at a lower axle weight under section 169.87, subdivision 1; and

(2) 88,000 pounds for any vehicle or combination of vehicles with six or more axles while exclusively engaged in hauling livestock on all state trunk highways other than interstate highways, if the vehicle has a permit under section 169.86, subdivision 5, paragraph (j).

Subd. 3. **Weight limit credits; idle- and emissions-reduction technology; natural gas vehicles.** (a) Notwithstanding the maximum weight provisions of this section, the maximum gross vehicle weight limits and the axle weight limits for any motor vehicle subject to sections 169.80 to 169.88 that is equipped with idle-reduction technology or emissions-reduction technology are increased by the amount of weight necessary to compensate for the weight of the idle-reduction technology or emissions-reduction technology, not to exceed 550 pounds.

(b) Notwithstanding the maximum weight provisions of this section, the maximum gross vehicle weight limits and the axle weight limits for any motor vehicle that is a natural gas vehicle and subject to sections 169.80 to 169.88 are increased by the amount of weight calculated as provided under United States Code, title 23, section 127(s), not to exceed 2,000 pounds.

(c) The weight limit increases under paragraphs (a) and (b) are cumulative.

(d) At the request of an authorized representative of the Department of Transportation or the Department of Public Safety, the vehicle operator must provide proof through documentation or demonstration that the vehicle meets the requirements of this subdivision.

History: *1981 c 321 s 4; 1982 c 424 s 42; 1982 c 617 s 11-13; 1983 c 198 s 9; 1986 c 398 art 13 s 6-9; 1986 c 452 s 20; 1Sp1986 c 3 art 4 s 13; 1991 c 112 s 4; 1991 c 333 s 18,19; 1992 c 578 s 7-10; 1994 c 635 art 1 s 16; 1998 c 372 art 1 s 8; 2000 c 433 s 1; 2001 c 156 s 1; 2001 c 213 s 10; 2002 c 364 s 13; 1Sp2005 c 1 art 4 s 36; 2008 c 287 art 1 s 54; 2009 c 64 s 6; 2010 c 320 art 1 s 4,5; 2013 c 127 s 42; 2016 c 142 s 1,2; 2022 c 55 art 1 s 72*