

Bridge Formula Table  
Permissible gross loads for vehicles in regular operation

$$W = 500 \left[ \frac{L(N)}{(N-1)} + 12(N) + 36 \right]$$

W=the maximum weight in pounds that can be carried on a group of two or more axles to the nearest 500 pounds  
L=the spacing in feet between the outer axles of any two or more consecutive axles  
N=number of axles being considered

Column #1 =Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles							
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
4-----	34,000	-----	-----	-----	-----	-----	-----	-----
5-----	34,000	-----	-----	-----	-----	-----	-----	-----
6-----	34,000	-----	-----	-----	-----	-----	-----	-----
7-----	34,000	-----	-----	-----	-----	-----	-----	-----
8 and less--	34,000	34,000	-----	-----	-----	-----	-----	-----
More than 8--	38,000	42,000	-----	-----	-----	-----	-----	-----
9-----	39,000	42,500	-----	-----	-----	-----	-----	-----
10-----	40,000	43,500	-----	-----	-----	-----	-----	-----
11-----	-----	44,000	-----	-----	-----	-----	-----	-----
12-----	-----	45,000	50,000	-----	-----	-----	-----	-----
13-----	-----	45,500	50,500	-----	-----	-----	-----	-----
14-----	-----	46,500	51,500	-----	-----	-----	-----	-----
15-----	-----	47,000	52,000	-----	-----	-----	-----	-----
16-----	-----	48,000	52,500	58,000	-----	-----	-----	-----
17-----	-----	48,500	53,500	58,500	-----	-----	-----	-----
18-----	-----	49,500	54,000	59,000	-----	-----	-----	-----
19-----	-----	50,000	54,500	60,000	-----	-----	-----	-----
20-----	-----	51,000	55,500	60,500	66,000	-----	-----	-----
21-----	-----	51,500	56,000	61,000	66,500	-----	-----	-----
22-----	-----	52,500	56,500	61,500	67,000	-----	-----	-----
23-----	-----	53,000	57,500	62,500	68,000	-----	-----	-----
24-----	-----	54,000	58,000	63,000	68,500	74,000	-----	-----
25-----	-----	54,500	58,500	63,500	69,000	74,500	-----	-----
26-----	-----	55,500	59,500	64,000	69,500	75,000	-----	-----
27-----	-----	56,000	60,000	65,000	70,000	75,500	-----	-----
28-----	-----	57,000	60,500	65,500	71,000	76,500	82,000	-----
29-----	-----	57,500	61,500	66,000	71,500	77,000	82,500	-----
30-----	-----	58,500	62,000	66,500	72,000	77,500	83,000	-----
31-----	-----	59,000	62,500	67,500	72,500	78,000	83,500	-----
32-----	-----	60,000	63,500	68,000	73,000	78,500	84,500	90,000
33-----	-----	-----	64,000	68,500	74,000	79,000	85,000	90,500
34-----	-----	-----	64,500	69,000	74,500	80,000	85,000	91,000
35-----	-----	-----	65,500	70,000	75,000	80,500	86,000	91,500
36-----	-----	-----	66,000	70,500	75,500	81,000	86,500	92,000
37-----	-----	<b>Exception</b>	66,500	71,000	76,000	81,500	87,000	93,000
38-----	-----	-----	67,500	71,500	77,000	82,000	87,500	93,500
39-----	-----	-----	68,000	72,500	77,500	82,500	88,500	94,000
40-----	-----	-----	68,500	73,000	78,000	83,500	89,000	94,500
41-----	-----	-----	69,500	73,500	78,500	84,000	89,500	95,000
42-----	-----	-----	70,000	74,000	79,000	84,500	90,000	95,500
43-----	-----	-----	70,500	75,000	80,000	85,000	90,500	96,000
44-----	-----	-----	71,500	75,500	80,500	85,000	91,000	96,500
45-----	-----	-----	72,000	76,000	81,000	86,000	91,500	97,500
46-----	-----	-----	72,500	76,500	81,500	87,000	92,500	98,000
47-----	-----	-----	73,500	77,500	82,000	87,500	93,000	98,500
48-----	-----	-----	74,000	78,000	83,000	88,000	93,500	99,000
49-----	-----	-----	74,500	78,500	83,500	88,500	94,000	99,500
50-----	-----	-----	75,500	79,000	84,000	89,000	94,500	100,000
51-----	-----	-----	76,000	80,000	84,500	89,500	95,000	100,500
52-----	-----	-----	76,500	80,500	85,000	90,500	95,500	101,000
53-----	-----	-----	77,500	81,000	86,000	91,000	96,500	102,000
54-----	-----	-----	78,000	81,500	86,500	91,500	97,000	102,500
55-----	-----	Gross	78,500	82,500	87,000	92,000	97,500	103,000
56-----	-----	Weight	79,500	83,000	87,500	92,500	98,000	103,500
57-----	-----	Limit	80,000	83,500	88,000	93,000	98,500	104,000
58-----	-----	-----	-----	84,000	89,000	94,000	99,000	104,500
59-----	-----	-----	-----	85,000	89,500	94,500	99,500	105,000
60-----	-----	-----	-----	85,500	90,000	95,000	100,500	105,500