

NCDOT Axle Based Classification Tree (v612)

August 20, 2014

Axles are numbered in order from the front of the vehicle to the back

Minimum and maximum axle spacings are specified in feet

A measured spacing meets the minimum specification if it is greater than the value specified

A measured spacing meets the maximum specification if it is less than or equal to the value specified

No. of Axles	Axle Spacing												Class	
	1 to 2		2 to 3		3 to 4		4 to 5		5 to 6		6 to 7			
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max		
0														Undefined
1														Undefined
2	0.0	6.0												1
2	6.0	10.2												2
2	10.2	13.0												3
2	13.0	20.0												5
2	20.0	40.0												4
3	6.0	10.2	6.0	23.0										2
3	10.2	13.0	6.0	23.0										3
3	20.0	40.0	0.0	6.0										4
3	6.0	23.0	0.0	6.0										6
3	6.0	17.0	14.0	50.0										8
4	6.0	10.2	6.0	35.0	0.0	3.2								2
4	10.2	13.0	6.0	35.0	0.0	3.2								3
4	13.0	20.0	6.0	40.0	0.0	3.2								5
4	6.0	23.0	0.0	9.0	0.0	9.0								7
4	6.0	20.0	0.0	6.0	6.0	50.0								8
4	6.0	17.0	6.0	50.0	3.2	6.0								8
5	13.0	20.0	6.0	40.0	0.0	3.2	0.0	3.2						5
5	6.0	22.0	0.0	6.0	6.0	50.0	0.0	23.0						9
5	6.0	17.0	11.0	25.0	6.0	18.0	11.0	25.0						11
6	6.0	22.0	0.0	6.0	0.0	50.0	0.0	11.0	0.0	11.0				10
6	6.0	22.0	0.0	6.0	0.0	25.0	6.0	18.0	11.0	25.0				12
7	6.0	22.0	0.0	6.0	0.0	50.0	0.0	13.0	0.0	12.0	0.0	12.0		10
7	6.0	22.0	0.0	6.0	0.0	40.0	0.0	11.0	6.0	18.0	0.0	40.0		13
All other axle and spacing combinations													Undefined	