

Diamond Knowledge Base

Default Bin Tables - Pegasus, Phoenix and Unicorn MDK

Overview

The tables below describes the default bins categories that are used with the Pegasus, Phoenix and Unicorn MDK units.

These “Bins” are used to total up all vehicles meeting a predetermined set of criteria. Note that this information is ONLY to be used if you are seeking to configure a Pegasus, Phoenix or Unicorn MDK unit to collect data in its Binned Mode.

Raw (Per-Vehicle), Sensor (Timestamp), and Count Modes Do Not Bin data.

Default Axle Bin Classification Table (Scheme- 'F')		
Bin Number	Axle Range	Bin Category Name
#1	2	Motorcycles
#2	2-4	Passenger cars
#3	2-5	Other two axle, 4 tire vehicles (w/ or w/o trailer)
#4	2-3	Buses
#5	2-5	Two axle, six tire, single trailer trucks
#6	3	Three axle, single unit trucks
#7	4	Four axle, single unit trucks
#8	3-4	Four or less axle, single trailer trucks
#9	5	Five axle, single trailer trucks
#10	6-10	Six or more axle, single trailer trucks
#11	5	Five axle, multi-trailer trucks
#12	6	Six axle, multi-trailer Trucks
#13	7-13	All other Vehicles

Default Speed and Length Bin Classification Table		
Bin Number	Speed Range	Length Range
#1	0.0-19.9 mph	0.0-5.9 feet
#2	20.0-24.9 mph	6.0-10.0 feet
#3	25.0-29.9 mph	10.1-14.9 feet
#4	30.0-34.9 mph	15.0-19.9 feet
#5	35.0-39.9 mph	20.0-24.9 feet
#6	40.0-44.9 mph	25.0-29.9 feet
#7	45.0-49.9 mph	30.0-39.9 feet
#8	50.0-54.9 mph	40.0-49.9 feet
#9	55.0-59.9 mph	50.0-59.9 feet
#10	60.0-64.9 mph	60.0-69.9 feet
#11	65.0-69.9 mph	70.0-79.9 feet

#12	70.0-74.9 mph	80.0-89.9 feet
#13	75.0-79.9 mph	All Other Lengths
#14	80.0-84.9 mph	
#15	85.0-89.9 mph	
#16	All Other Speeds	

Default Speed and Length Bin Classification Table		
Bin Number	Gap Bin time	Headway Bin Time
#1	00:00:03.00	00:00:03.00
#2	00:00:10.00	00:00:10.00
#3	00:00:15.00	00:00:15.00
#4	00:00:20.00	00:00:20.00
#5	00:00:30.00	00:00:30.00
#6	00:01:00.00	00:01:00.00
#7	00:02:00.00	00:02:00.00
#8	All Other Gaps	All Other Headways

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