

# Trailer Life Meter

## Ratio Selection Guide

The key to selecting the optimal Trailer Life Meter ratio based on tire size is to calculate the Rolling Circumference (RC) from the manufacturer's reported Outside Diameter. Divide 63,360" by the RC to determine the actual rotations of the tire to achieve one mile, then choose the next higher ratio for the Trailer Life Meter. This will result in undercounting mileage by a small percentage on a new tire and the unit will become more and more accurate as the tread wears.

The outside diameter should first be confirmed with information from the tire manufacturer. For a typical ST235/80R16 the best ratio from those available is 663 and for the typical ST235/85R16 it is 650 revolutions per mile counted. For the ST235/75R17.5 the best ratio is also 650 since this tire has a typical outside diameter of 31.38" and load rating of J.

**See the table below for the ratio for other tires for a given outside diameter.**



Part Number	Comments	Outside Diameter	Typical Tire Size	Rolling Circumference
0772217-637-TL	Some 16" 17" and 17.5" ST trailer tires	31.6" to 32.25"	ST235/85R16	99.6" to 101.3"
0772217-650-TL	Some 16" 17" and 17.5" ST trailer tires	31.1" to 31.5"	ST235/75R17.5	97.7" to 99.3"
0772217-663-TL	Some 16" ST trailer tires	30.5" to 30.9"	ST235/80R16	95.8" to 97.1"
0772217-714-TL	15" ST trailer tires	28.3" to 28.75"	ST225/75R15	88.9" to 90.3"
0772217-728-TL	15" ST trailer tires	27.8" to 28.2"	ST225/75D15	87.3" to 88.6"
0772217-760-TL	Some 14" and 15" ST trailer tires	26.6" to 27.6"	ST205/75R15; ST215/75R14	83.6" to 86.7"
0772217-775-TL	14" ST trailer tires	26.1" to 26.5"	ST205/75R14	82.0" to 83.25"