

How to Measure Loaded Radius

Loaded radius can be obtained from the Manufacturer of the Tire (see below) or you can measure it under loaded conditions. If your tire size is not shown on the chart below, an actual measurement can be taken to determine the tire loaded radius. Loaded radius is the measurement of the tire with the first drive sprocket attached to its hub.

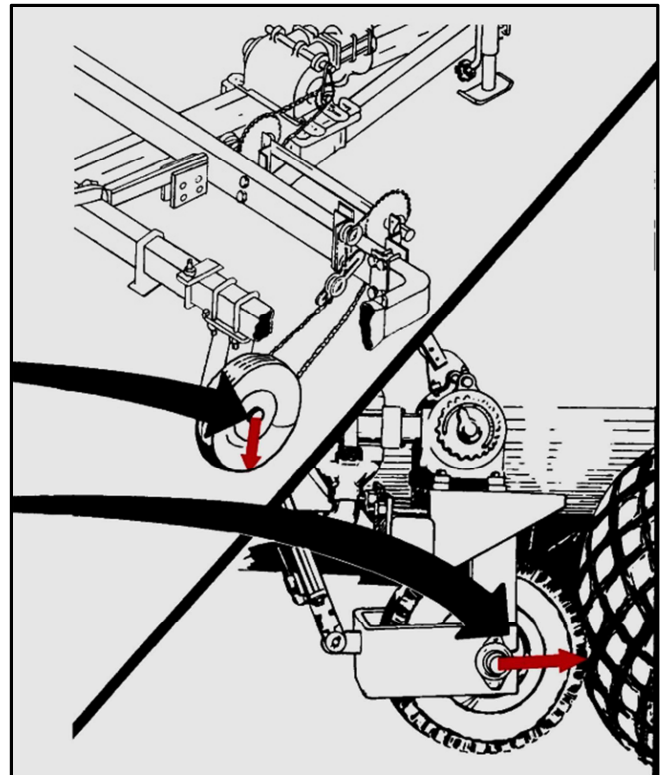
Ground Wheel Drive Arrangement (A)

Measure the loaded radius from the center of the hub to the bottom of the tire where it rests on the ground (see red arrow in A).

(A)

Press Wheel Drive Arrangement (B)

Measure the loaded radius from the center of the press wheel shaft to where the wheel rests against the tire. The press wheel must be engage (B) for normal operation to give an accurate reading (see red arrow in B).



Loaded Radius of Various Tire Sizes:			
Tire Size	Loaded Radius	Tire Size	Loaded Radius
4.10-6	5.5	6.00-16SL	12.4
4.00x8W & 1	8.0	9.00-16SL	14.7
4.8-8NHS	7.5	11L-16SL	13.9
16x6.50-8NHS	7.4	12.5L-16SL	15.0
18x9.50-8NHS	7.8	13.5L-16.1SL	17.8
155/80 R12	10.0	16.5L-16.1SL	17.3
5.00-15	13.0	9.00-20	19.0
6.70-15SL	12.9	10.00-20	19.6
7.60-15SL	13.4	11.00-20	20.1
9.5L-15SL	13.6	12.00-20	20.6
10.0-15SL	13.6	15.00-22.5	20.0
11L-15SL	13.5	48.0x31.0-20	22.4
12.5L-15SL	14.5	44.0x41.0-20	21.2