

This program has been used approximately **824250** times.



## DML Tire and Wheel Calculator Results



### Dimensions

Dimension	Tire A: 225/55 R 17 (27 x 8.86 x 17)	Tire B: 225/70 R 17 (29 x 8.86 x 17)	Difference
Width	8.86" (225.00mm)	8.86" (225.00mm)	+0.00" (+0.00mm)
Sidewall height	4.87" (123.75mm)	6.20" (157.50mm)	+1.33" (+33.75mm)
Overall height	26.74" (679.30mm)	29.40" (746.80mm)	+2.66" (+67.50mm)
Circumference	84.02" (2134.08mm)	92.37" (2346.14mm)	+8.35" (+212.06mm)

### Speedometer Error

Actual Speed	Indicated Speed with Tire B	Speedometer Error
5 mph (8.04 kph)	4.55 mph (7.32 kph)	-0.45 mph (-0.73 kph)
10 mph (16.09 kph)	9.10 mph (14.64 kph)	-0.90 mph (-1.45 kph)
15 mph (24.13 kph)	13.64 mph (21.95 kph)	-1.36 mph (-2.18 kph)
20 mph (32.18 kph)	18.19 mph (29.27 kph)	-1.81 mph (-2.91 kph)
25 mph (40.23 kph)	22.74 mph (36.59 kph)	-2.26 mph (-3.64 kph)
30 mph (48.27 kph)	27.29 mph (43.91 kph)	-2.71 mph (-4.36 kph)
35 mph (56.31 kph)	31.84 mph (51.22 kph)	-3.16 mph (-5.09 kph)
40 mph (64.36 kph)	36.38 mph (58.54 kph)	-3.62 mph (-5.82 kph)
45 mph (72.41 kph)	40.93 mph (65.86 kph)	-4.07 mph (-6.54 kph)
50 mph (80.45 kph)	45.48 mph (73.18 kph)	-4.52 mph (-7.27 kph)
55 mph (88.50 kph)	50.03 mph (80.50 kph)	-4.97 mph (-8.00 kph)
60 mph (96.54 kph)	54.58 mph (87.81 kph)	-5.42 mph (-8.73 kph)
65 mph (104.58 kph)	59.12 mph (95.13 kph)	-5.88 mph (-9.45 kph)
70 mph (112.63 kph)	63.67 mph (102.45 kph)	-6.33 mph (-10.18 kph)
75 mph (120.67 kph)	68.22 mph (109.77 kph)	-6.78 mph (-10.91 kph)
80 mph (128.72 kph)	72.77 mph (117.09 kph)	-7.23 mph (-11.63 kph)
85 mph (136.76 kph)	77.32 mph (124.40 kph)	-7.68 mph (-12.36 kph)
90 mph (144.81 kph)	81.87 mph (131.72 kph)	-8.13 mph (-13.09 kph)
95 mph (152.85 kph)	86.41 mph (139.04 kph)	-8.59 mph (-13.82 kph)
100 mph (160.90 kph)	90.96 mph (146.36 kph)	-9.04 mph (-14.54 kph)
105 mph (168.94 kph)	95.51 mph (153.67 kph)	-9.49 mph (-15.27 kph)

110 mph (176.99 kph)	100.06 mph (160.99 kph)	-9.94 mph (-16.00 kph)
115 mph (185.03 kph)	104.61 mph (168.31 kph)	-10.39 mph (-16.72 kph)
120 mph (193.08 kph)	109.15 mph (175.63 kph)	-10.85 mph (-17.45 kph)
125 mph (201.12 kph)	113.70 mph (182.95 kph)	-11.30 mph (-18.18 kph)
130 mph (209.17 kph)	118.25 mph (190.26 kph)	-11.75 mph (-18.91 kph)
135 mph (217.22 kph)	122.80 mph (197.58 kph)	-12.20 mph (-19.63 kph)
140 mph (225.26 kph)	127.35 mph (204.90 kph)	-12.65 mph (-20.36 kph)
145 mph (233.31 kph)	131.89 mph (212.22 kph)	-13.11 mph (-21.09 kph)
150 mph (241.35 kph)	136.44 mph (219.54 kph)	-13.56 mph (-21.81 kph)
155 mph (249.40 kph)	140.99 mph (226.85 kph)	-14.01 mph (-22.54 kph)
160 mph (257.44 kph)	145.54 mph (234.17 kph)	-14.46 mph (-23.27 kph)
165 mph (265.49 kph)	150.09 mph (241.49 kph)	-14.91 mph (-24.00 kph)
170 mph (273.53 kph)	154.63 mph (248.81 kph)	-15.37 mph (-24.72 kph)
175 mph (281.57 kph)	159.18 mph (256.12 kph)	-15.82 mph (-25.45 kph)
180 mph (289.62 kph)	163.73 mph (263.44 kph)	-16.27 mph (-26.18 kph)
185 mph (297.67 kph)	168.28 mph (270.76 kph)	-16.72 mph (-26.90 kph)
190 mph (305.71 kph)	172.83 mph (278.08 kph)	-17.17 mph (-27.63 kph)
195 mph (313.75 kph)	177.37 mph (285.40 kph)	-17.63 mph (-28.36 kph)
200 mph (321.80 kph)	181.92 mph (292.71 kph)	-18.08 mph (-29.09 kph)

If your speedometer has been calibrated for 225/55 R 17 (27 x 8.86 x 17) tires, replacing them with 225/70 R 17's (27 x 8.86 x 17's) would result in the speedometer reading low by 9.04%.

## Odometer Error

Actual Mileage	Indicated Mileage with Tire B	Odometer Error
1 mi (1.61 km)	0.91 mi (1.46 km)	-0.09 mi (-0.15 km)
5 mi (8.04 km)	4.55 mi (7.32 km)	-0.45 mi (-0.73 km)
10 mi (16.09 km)	9.10 mi (14.64 km)	-0.90 mi (-1.45 km)
50 mi (80.45 km)	45.48 mi (73.18 km)	-4.52 mi (-7.27 km)
100 mi (160.90 km)	90.96 mi (146.36 km)	-9.04 mi (-14.54 km)
500 mi (804.50 km)	454.81 mi (731.78 km)	-45.19 mi (-72.72 km)
1000 mi (1609.00 km)	909.61 mi (1463.57 km)	-90.39 mi (-145.43 km)
5000 mi (8045.00 km)	4548.07 mi (7317.85 km)	-451.93 mi (-727.15 km)
10000 mi (16090.00 km)	9096.14 mi (14635.69 km)	-903.86 mi (-1454.31 km)
50000 mi (80450.00 km)	45480.71 mi (73178.47 km)	-4519.29 mi (-7271.53 km)
100000 mi (160900.00 km)	90961.43 mi (146356.94 km)	-9038.57 mi (-14543.06 km)

Same as with the speedometer, if your odometer has been calibrated for 225/55 R 17 (27 x 8.86 x 17) tires, replacing

them with 225/70 R 17's ( $29 \times 8.86 \times 17$ 's) would result in the odometer reading low by 9.04%.

## Effective Gear Ratio Change

In order to calculate your effective gear ratio change, you have to input your rearend ratio on the form...

## RPM Change

In order to calculate your RPM change, you have to input an RPM on the form...

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