

TIRE COMPARISON CONVENTIONAL VS. METRIC

CROSS-SECTION CONVERSIONS

CONVENTIONAL SIZE (INCHES)	METRIC SIZE (MILLIMETERS)	CONVENTIONAL SIZE (INCHES)	METRIC SIZE (MILLIMETERS)
8.5	215	18.4	460/480
9.5	230	19.5	500
10.0	250/260	20.8	520/540
10.5	265	23.1	600
11.2	280/290	24.5	620
11.8	300	25.5	650
12.4	320	28.0	710
13.6	340	30.5	800
14.0	355/360	35.5	900
14.9	380/385	43.0	1050
16.9	420	50.0	1250
17.5	445		

MILLIMETRIC SIZE TIRES

The markings on some farm tires are millimetric, and the service description is load index and speed symbol. This marking conforms to what is currently used for passenger, truck, agricultural and earth-mover tires.

EXAMPLE: TIRE SIZE: 710/70R-38 166A8

"710"	tire section width in millimeters
"70"	aspect ratio
"R"	radial construction
"38"	rim diameter in inches
"166"	load index
"A8"	speed symbol

INTERNATIONAL SPEED SYMBOLS

SPEED SYMBOLS	SPEED CATEGORY (KM/H)	SPEED CATEGORY (MPH)
A1	5	2.5
A2	10	5
A3	15	10
A4	20	12.5
A5	25	15
A6	30	20
A7	35	22.5
A8	40	25
B	50	30
C	60	35
D	65	40
E	70	43
F	80	50
G	90	55

CONVERSION CHART

1 inch = 25.4 millimeters = 2.54 centimeters
1 foot = 30.48 centimeters = .3048 meters
1 mile = 1609.3 meters = 1.6093 kilometers
1 mile = 5280 feet = 1760 yards
1 square inch = 6.4516 square centimeters
1 square foot = 144 square inches
1 square yard = 9 square feet
1 square mile = 640 acres
1 hectare = 2.471 acres
1 gallon water = 8.3453 pounds of water
1 U.S. gallon = 3.785 liters
1 peck = 8 quarts (dry)
1 bushel = 4 pecks (U.S.)
1 lbm = .4536 kilogram
1 lbf = 4.45 Newtons
1 psi = 6.895 kilopascal (kPa) = .06895 bar