

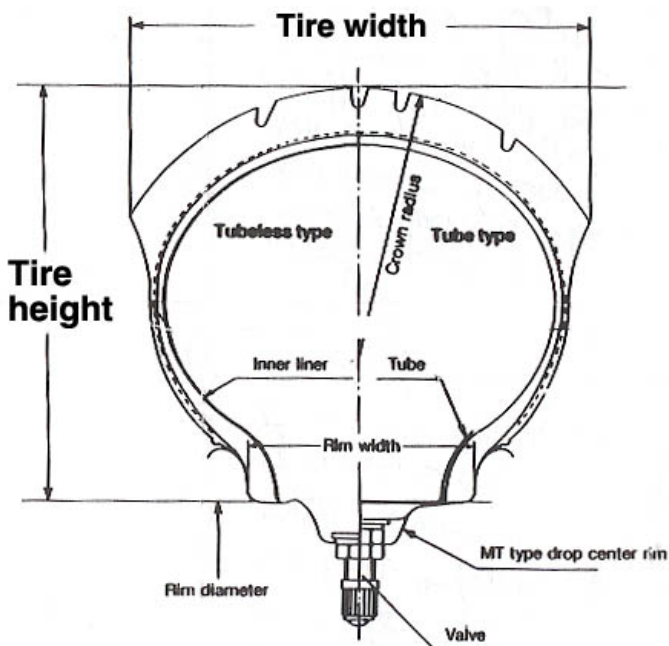
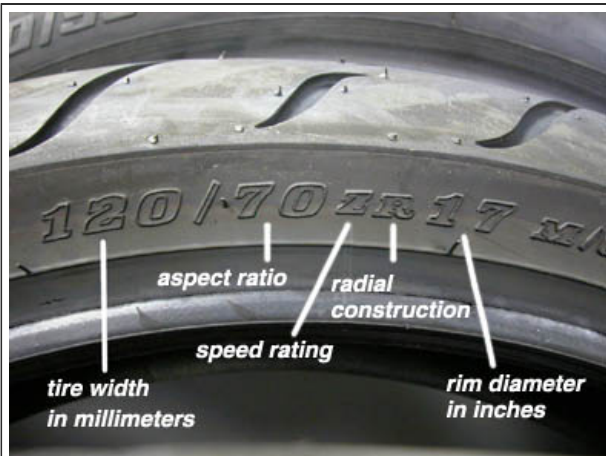
VULCAN DRIFTER RIDERS



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Motorcycle Tire Sizing and Designations

- Chief



EXAMPLE 1:

In the above graphic tire size is **120/70 zr 17**.

Section Width = tire width in millimeters - 120 mm.

Aspect Ratio - This indicates the ratio between the tire's width and height. In this case, the height of the tire is 70% of its width or 84mm.

Rim Diameter - in this case 17 inches.

Speed Rating - in this case the speed rating is Z which is equal to a speed rating of over 149mph.

Construction - R = Radial

EXAMPLE 2:

130/90-16 67H

130 = width in mm.

90 = aspect ratio of 90% of width = 117mm

16 = Rim size of 16 inches

67 = Load rating (A numerical code which corresponds to the total load carrying capacity at the speed indicated by the speed symbol)

H = Speed rating (see chart)

EXAMPLE 3:

MT90-16B

SIZE CONVERSION:

FRONT TIRES			REAR TIRES		
METRIC	ALPHA	INCH	METRIC	ALPHA	INCH
80/90	MH90	2.50/2.75	110/90	MN90	3.75/4.25
90/90	MJ90	2.75/3.00	120/80	MP85	4.50/4.75
100/90	MM90	3.25/3.50	120/90	MP85	4.50/4.75
110/90	MM90	3.75/4.00	130/80	----	5.00/5.10
120/80	-----	4.25/4.50	130/90	MT90	5.00/5.10
120/90	MR90	4.25/4.50	140/80	-----	5.50/6.00
130/90	MT90	5.00/5.10	140/90	MU90	5.50/6.00
			150/80	MV85	6.00/6.25
			150/90	MV85	6.00/6.25
SPEED					
RATING		MPH	KM/H		
Q		99	160		
S		112	180		

M = Motorcycle
 T = Tire Width Code
 90 = Aspect Ratio
 16 = Rim Size
 B = Load Range

T	116	190
U	124	200
H	130	210
V	149	240
W	168	270
Y	186	300
Z	Over 149 mph	Over 240 km/h

LOAD AND PRESSURE



Load index may be expressed either as a numerical code or a letter code. Most of the time manufacturers will provide the max load information on the sidewall so there's no confusion.

In this instance the maximum load is 520 lbs. This is the weight the tire is capable of handling when it is properly inflated.

PRESSURE:

The maximum tire pressure is indicated. But you should only fill a tire to the MOTORCYCLE manufacturer's recommended level. Overfilling can lead to premature wear and poor handling. Also measure the pressure when the tire is cold. Measuring when hot will skew the numbers.

Most tire manufacturer's have websites which will provide information on the recommended pressure for each motorcycle. You can also check your owner's manual or contact a local dealer.

TIRE CALCULATION:

Tire Diameter =
 (Section Width X Aspect Ratio X 2 / 25.4)+ Rim Diameter
 Ex. 130/70 R18
 $130 \times .7 \times 2 = 182 / 25.4 = 7.165 + 18 = 25.16$ inches

TREAD WEAR AND MFG DATE:



Tires will also have a USDOT id and will indicate the week and year of manufacture. (See above). Prior to 2000 there were only three digits with the last on being the year.

Some tires may have raised triangles, or the letters TWI, to show where the tire wear indicators are in the tread. When these marks are equal to the tread, it's time for new tires. Additionally the sidewall may also include "tubeless" or TL, "tube type" or TT, and the tire composition, materials, ply etc.

Tire links:

- Avon**
www.avontyres.com/
- Bridgestone**
www.bridgestone-usa.com/
- Cheng Shin**
chengshintires.com/index2.html
- Continental**
www.conti-online.com
- Dunlop**
www.dunlopmotorcycle.com/
- IRC Tire**
www.ircthailand.com/products/rubber.html
- Kenda**
www.kendausa.com
- Maxxis**
www.maxxis.com/
- Metzeler**
www.us.metzelmoto.com
- Michelin**
motous.webmichelin.com/
- Pirelli**
www.us.pirellimoto.com

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