

TIRE CONVERSION CHARTS

Street Tire Size Designation					
Inch Designations					
5.00	H	16	4PR		
				Casing strength (ply rating)	
				Rim diameter	
				Speed Rating	
				Section width (inches)	
Alphabetical Designations					
M	T	90	- 60	Load Range B	
				Load range	
				Rim diameter (inches)	
				Aspect ratio (90%)	
				Tire width code	
				Motorcycle code	
Metric Designations					
130/	90	- 16	67	H	
				Speed rating	
				Load rating	
				Rim diameter (inches)	
				Aspect ratio (90%)	
				Section width (mm)	
Load Rating - A numerical code which corresponds to the total load carrying capacity at the speed indicated by the speed symbol.					
Aspect Ratio = $\frac{\text{Section Height}}{\text{Section Width}} \times 100$					
Aspect Ratio = $\frac{\text{Section Height}}{\text{Section Width}} \times 100$					

Motorcycle Knobby Tire Size				
Front Tires				
Metric	4-Stroke	Metric	Inch	
70/100	80/90	2.50-2.75		
80/100	90/90	2.75-3.00		
90/100	90/100	3.00-3.25		
Rear Tires				
Metric	4-Stroke	Metric	Inch	
90/100	110/90	3.60-4.10		
100/100	120/80	4.00-4.10		
110/100	130/80	4.00-4.50		
120/100	140/80	5.00-5.10		

Speed Rating		
Maximum Design/Test Speed		
Tire Rating	(mph)	(km/h)
F Type	50	80
J Type	62	100
L Type	75	120
M Type	81	130
N Type	87	140
P Type	94	150
R Type	106	170
S Type	112	180
H Type	130	210
V Type	149	240
Z Type	149 +	240 +
W Type	160	270

Motorcycle Street Tire Size					
Front Tires			Rear Tires		
Metric	Alpha	Inch	Metric	Alpha	Inch
80/90	MH90	2.50-2.75	110/90	MP85	4.00-4.25
90/90	MJ90	2.75-3.00	120/90	MR90	4.50-4.75
100/90	MM90	3.25-3.50	130/80		5.00-5.10
110/90	MN90	3.75-4.00	130/90	MT90	5.00-5.10
120/80		4.25-4.50	140/80		5.50-6.00
120/90	MR90	4.25-4.50	140/90	MU90	5.50-6.00
130/90	MT90	5.00-5.10	150/80	MV85	6.00-6.25
			150/90	MV85	6.00-6.25

Off-Road Tire Inflation Pressure Guide		
Tire Use	Front PSI	Rear PSI
Motocross Hard Terrain	10-12	10-12
Motocross Intermediate Terrain	12-14	12-14
Motocross Soft Terrain	10-11	10-11
Desert/ Enduro	14-18	14-18
Dual-Sport	18-22	16-26

Off Road Tire Application Chart					
Engine cc	Front	Rear	Engine cc	Front	Rear
50	2.50-10	2.75-10	100-125	80/100-21	100/100-18 or 100/90-19
60	2.50-14	80/100-12	250	80/100-21	110/100-18 or 110/90-19
80	70/100-17	90/100-14	500	80/100-21	120/100-18 or 120/90-19
80-100	70/100-19	90/100-16			