This information has been obtained from the Continental Tyre website and there are many references to this company within the text.

Top Speeds Table

Speed symbol	J	K	L	M	N	P	Q	R	S	T	U	H	V	Z	W	Y
Speed (km/h)	100	110	120	130	140	150	160	170	180	190	200	210	240	>240	270	300
Speed (mph)	62	68	75	81	87	93	99	106	112	118	124	130	149	>150	168	186

Load Index (LI)

LI	lbs	KG	LI	lbs	KG	LI	lbs	KG	LI	Lbs	KG	LI	lbs
19	112,7	77,5	36	181,7	125,0	53	299,4	206	70	487,0	335,0	87	792,2
20	116,3	80,0	37	186,1	128,0	54	308,2	212,0	71	501,5	345,0	88	814,0
21	119,9	82,5	38	191,9	132,0	55	316,9	218,0	72	516,0	355,0	89	843,1
22	123,6	85,0	39	197,7	136,0	56	325,6	224,0	73	530,6	365,0	90	872,2
23	127,2	87,5	40	203,5	140,0	57	334,3	230,0	74	545,1	375,0	91	894,0
24	130,8	90,0	41	210,8	145,0	58	343,0	236,0	75	562,5	387,0	92	915,8
25	134,5	92,0	42	218,0	150,0	59	353,2	243,0	76	581,4	400,0	93	944,8
26	138,1	95,0	43	225,3	155,0	60	363,4	250,0	77	598,9	412,0	94	973,9
27	141,7	97,5	44	232,6	160,0	61	373,6	257,0	78	617,8	425,0	95	1003,0
28	145,4	100,0	45	239,8	165,0	62	385,2	265,0	79	635,2	437,0	96	1032,1
29	149,7	103,0	46	247,1	170,0	63	395,4	272,0	80	654,1	450,0	97	1061,1
30	154,1	106,0	47	254,4	175,0	64	407,0	280,0	81	671,6	462,0	98	1090,2
31	158,4	109,0	48	261,6	180,0	65	421,5	290,0	82	690,5	475,0	99	1126,5
32	162,8	112,0	49	268,9	185,0	66	436,1	300,0	83	707,9	487,0	100	1162,9
33	167,2	115,0	50	276,2	190,0	67	446,3	307,0	84	726,8	500,0	-	-
34	171,5	118,0	51	283,5	195,0	68	457,9	315,0	85	748,6	51	-	-
35	175,9	121,0	52	290,7	200,0	69	472,4	325	86	770,4	530,0	-	-

Conversion chart – motorcycle tyre sizes (approximation)

Metric	**Inch**	**Alpha**
80/90	2.75, (3.00)	(MH 90)
90/90	3.00, (3.25), (3.60)	MH 90
100/90	3.25, (3.50), 3.60	MJ 90
110/90	3.50, (3.75), 4.10	ML 90
120/90	4.00, 4.25, 4.25/85, 4.60	MN 90, MP 90
130/90	4.50, 5.00, 5.10	MT 90
140/90	5.5	MU 90

American Alpha-Indication

Alpha	**Size**	**Alpha**	**Size**
H	3.15 inch	R	4.50 inch
J	3.50 inch	S	4.75 inch
L	3.65 inch	T	5.10 inch
M	3.75 inch	U	5.60 inch
N	4.10 inch	V	5.90 inch
P	4.25 inch		

Mileage

A tyre which can achieve high mileage is an asset because a longer lifespan leads to lower costs. The mileage attained by motorcycle tyres and in particular that by the rear wheels of performance bikes cannot be measured in the same way as that of car or truck tyres. Because the motorcyles themselves weigh comparatively less they are able to accelerate faster and during this acceleration the rear tyre slips. This slipping leads to wear on the tyres. A pillion passenger whose weight is solely placed on the rear tyre helps to prolong the life of the tyre. The rear wheel is pressed onto the road with more force, there-by reducing the amount of slipping. The tyre therefore lasts longer.

Motorcycle tyres on a rolling road

While testing motorcycles on a rolling road, very high tyre temperatures may occur. Because of the smooth surface of the rollers the tyres slip and become hot during testing. Afterwards the tread is often visibly destroyed. It is advisable to use worn tyres for the rolling road session. For safety reasons we recommend that after the test the tyres are removed and discarded.

Tread depth
Worn tyres influence the handling of a motorcycle and thereby reduce the performance required for safe riding. The recommended minimum tread depth is 2mm.

Valve nut (tube type)
Only a fitting aid. Should be twisted against the valve cap after fitting the tyre.

Directional Arrows
Where a tyre has a direction of rotation arrow moulded upon it, the tyre must be fitted so that the relevant front or rear tyre follows the direction of rotation when the motorcycle is being ridden forward. Road handling and tyre wear may worsen, or damage to the tyre can occur in extreme circumstances if these instructions are not followed.

Tubeless and tubetype tyres
It is generally true that the fitting of tyres to a motorcycle should be in accordance with the stated manufacturer's specification for the specific model, otherwise the warranty may be rendered invalid. For example, if tubeless tyres are prescribed then tubeless tyres must be fitted. The same is true for tubetype tyres. If no appropriate indication has been given in the vehicle specification, then in the following circumstances either tubeless or tubetype tyres can be fitted.

For Continental motorcycle tyres
All TL/TT-sidewalled tyres can be used with a tube without decreasing the speed range (except Z rated radials). ALL Continental tyres labelled TL can be fitted to rims/wheels marked Tubeless. They can also be fitted on Tubed Type rims/wheels with a correctly sized Continental inner tube. If Sport Attack, Road Attack and ContiForce tyres (Z rated radials) are fitted on Tubed Type rims/wheels with Continental inner tubes, the maximum speed is then restricted to 130 mph (210 km/h, from Z to H speed rating). Continental tyres labelled TT can only be fitted on Tubed Type rims/wheels and must be fitted with a correctly sized Continental inner tube. Please note that the maximum speed for tubeless tyres fitted with an inner-tube is 210 km/h (approx. 130 mph).

Example:
100/90 - 18 56H (according to vehicle papers) In this case a 100/90 - 18 56V TL with an inner-tube could be fitted. Alteration of the vehicle papers is not necessary. If new Continental tyres are fitted, new Continental inner-tubes must also be fitted. If new Continental tubeless tyres are fitted, new valve must also be fitted.

Miscellaneous
m/c tyres from Continental meet the highest quality standard according to ISO 9000, ISO 9001 and ECE.

Tyre identification
The tyre identification number which has been used thus far gives information on:
the tyre width (in inches or mm)
the ratio: height / width
the registered maximum speed
the rim diameter
the tyre load

Examples:
3.50-18 62P TT reinforced
3.50 = tyre width 3.5 inches
= diagonal casing construction
18 = rim diameter in inches
62 = load index - see page 80 for further information
P = speed index, symbol for registered maximum speed (P = 150 km/h, approx. 93 mph)
TT = tubetype reinforced = increased tyre load capacity

150/70 B17 69H TL
150 = tyre width in mm
/70 = ratio of height to width = 70 : 100
B = bias belted (construction type)
17 = rim diameter in inches
69 = load index - see page 80 for further information
H = speed index, symbol for registered maximum speed (H = 210 km/h approx 130 mph)
TL =tubeless

An older type of identification from ECE/ETRTO/JATMA is for example:
130/90 H16, which is identical to 130/90 - 16 67H

Further examples:
180/55 ZR 17 (73W) TL
180 = tyre width in mm
/55 = ratio of height to width = 55 : 100

ZR = radial construction
17 = rim diameter in inches
TL =tubeless
(73) = load index (see page 80)
(W) = > 270 km/h
Load and speed index in brackets allows higher speed than 270 km/h. The load need to be reduced according ECE and ETRTO.

MT 90-16 T 71H TL
M = motorcycle
T = symbol for tyre width, T = 5.10 inch
90 = ratio of height to width = 90 : 100
16 = rim diameter in inches
T = rim contour
71 = load index - see page 80 for further information
H = speed index, symbol for registered maximum speed H = 210km/h (approx 130 mph)
TL =tubeless

E4 R75-000 6224
E4 = country of approval
R75 = ECE Guideline
000 6224 = approval no.

Please note that it is not legal to use m/c tyres without ECE approval in the U.K. and Germany. Other European countries will follow.

We wish you safe and enjoyable riding. Your Continental motorcycle team.