

ROLLING RESISTANCE OF TYRES - TEST DATA				Alphabetically listed by maker's name © John Lafford Jan 2001							
GENERALLY AVAILABLE RECUMBENT SIZE TYRES Butyl inner tubes unless stated	TYRE NAME	Size	Test Pressure psi	Rolling Res. coef. Crrtest	Rolling Resistance Power Absorbed						Unfaired bike Time lost to best tyre at 25mph over 10 miles Seconds
					Unfaired Weight = 185 lbs (84kg)			Faired Weight = 200 lbs (91kg)			
					Prr (320mph) (32kph) Watts	Prr (250mph) (40kph) Watts	Prr (300mph) (48kph) Watts	Prr (300mph) (48kph) Watts	Prr (400mph) (64kph) Watts	Prr (500mph) (80kph) Watts	
Conti Grand Prix (new)	28-406	100	0.0072	53	67	80	86	115	144	57	
Conti Grand Prix (new)	28-406	120	0.0067	49	61	74	80	106	133	47	
Conti Grand Prix (new)	28-406	140	0.0066	49	61	73	79	105	132	45	
Conti Grand Prix w latex tube	28-406	100	0.0077	57	71	85	92	123	153	67	
Conti Grand Prix w latex tube	28-406	125	0.0069	51	64	77	83	110	138	52	
Conti Grand Prix w latex tube	28-406	140	0.0067	49	61	74	80	106	133	47	
Conti Top Touring (new)	37-406	70	0.0092	68	84	101	110	146	183	96	
Conti Top Touring (new)	37-406	90	0.0079	58	73	87	94	126	157	71	
Conti Top Touring (new)	37-406	70	0.0090	66	83	99	108	143	179	93	
Conti Top Touring (new)	37-406	90	0.0081	60	74	89	97	129	161	74	
Conti Top Touring (new)	37-406	100	0.0080	59	74	89	96	128	160	73	
Conti Top Touring (new)	37-406	115	0.0084	62	77	93	100	133	167	80	
Continental Grand Prix (used)	28-406	120	0.0082	60	76	91	98	131	163	77	
Haro (new)	20 x 1.5	65	0.0077	56	70	84	91	122	152	66	
Haro (new)	20 x 1.5	85	0.0067	50	62	74	80	107	134	48	
Haro (used)	20 x 1.5	65	0.0073	54	68	81	88	117	146	60	
Haro (used)	20 x 1.5	85	0.0068	50	63	75	81	108	136	49	
Haro (used)	20 x 1.5	100	0.0063	47	58	70	76	101	126	40	
Hutchinson	600 x 28A	100	0.0059	43	54	65	70	94	117	31	
Hutchinson	600 x 28A	120	0.0052	38	48	58	62	83	104	18	
Hutchinson HP 25	25-451	115	0.0080	59	74	88	95	127	159	73	
Hutchinson HP 25	25-451	90	0.0089	65	81	98	106	141	176	89	
Hutchinson HP 25	25-451	100	0.0086	63	79	95	103	137	171	84	
Hutchinson HP 25	600A x 24"	100	0.0070	52	65	77	84	112	140	53	
Hutchinson HP 25	600A x 24"	120	0.0068	50	63	76	82	109	136	50	
Hutchinson HP 25	600A x 24"	140	0.0068	50	63	75	81	109	136	50	
IRC Road Lite (new)	20" x 1 1/8"	100	0.0090	66	82	99	107	143	178	92	
IRC Road Lite (new)	20" x 1 1/8"	115	0.0089	65	82	98	106	141	176	90	
IRC Road Lite (old)	20" x 1 1/8"	100	0.0068	50	63	75	81	108	136	49	
IRC Road Lite (old)	20" x 1 1/8"	115	0.0064	47	59	71	77	102	128	41	
IRC Roadlite 20 x 1 1/8 (used)	28-451	100	0.0068	50	63	76	82	109	136	50	
IRC Roadlite 20 x 1 1/8 (used)	28-451	120	0.0064	47	59	71	77	102	128	42	
Kenda w. tread ground off	16 x 1.75	80	0.0068	50	63	76	82	109	136	50	
Kenda w. tread ground off	16 x 1.75	90	0.0064	47	59	70	76	101	127	41	
Kenda w. tread ground off	16 x 1.75	100	0.0066	48	60	72	78	104	130	44	
Michelin	28-440	70	0.0078	57	71	86	93	123	154	68	
Michelin	28-440	90	0.0071	52	65	78	84	112	141	54	
Michelin	600 x 28A	80	0.0075	55	69	83	89	119	149	62	
Michelin	600 x 28A	100	0.0072	53	66	79	86	115	143	57	
Michelin (used)	600 x 28A	90	0.0073	54	68	81	88	117	146	60	
Michelin (450 x 28A)	28-390	100	0.0065	48	60	72	78	104	130	43	
Michelin (450 x 28A)	28-390	115	0.0064	47	59	71	77	102	128	42	
Michelin (used)	600 x 28A	70	0.0081	59	74	89	96	128	160	74	
Michelin Hillite S'compHD	650 x 20c	100	0.0062	45	57	68	74	98	123	36	
Michelin Hillite S'compHD	650 x 20c	110	0.0058	43	53	64	69	92	115	29	
Michelin Hillite S'compHD	650 x 20c	120	0.0055	40	50	60	65	87	109	22	
Moulton Wolber line tread (new)	17 x 1 1/8	70	0.0092	68	85	102	110	147	184	97	
Moulton Wolber line tread (new)	17 x 1 1/8	100	0.0084	62	78	93	101	134	168	81	
Moulton Wolber line tread (new)	17 x 1 1/8	120	0.0079	58	73	87	94	126	157	71	
Nokia Mount and City (new)	47-406	50	0.0104	77	96	115	124	165	207	120	
Nokia Mount and City (new)	47-406	70	0.0087	64	80	96	104	139	174	87	
Nokia Mount and City (new)	47-406	90	0.0082	60	75	90	98	130	163	76	
Nokia Mount and City (new)	47-406	100	0.0073	54	67	81	87	116	145	59	
Nokian City Runner (new)	40-406	72	0.0083	61	76	91	99	131	164	78	
Nokian City Runner (new)	40-406	100	0.0078	58	72	86	93	124	156	69	
Nokian City Runner (new)	40-406	120	0.0071	52	65	78	85	113	141	55	
Nokian Mount & City (new)	47-406	50	0.0083	61	76	91	99	132	165	78	
Nokian Mount & City (new)	47-406	80	0.0072	53	66	79	86	114	143	57	
Nokian Mount & City (new)	47-406	100	0.0068	50	63	75	81	109	136	49	
Nokian Mount & City (new)	47-406	120	0.0063	47	58	70	76	101	126	40	
Nokian Mount & City (new)	47-305	50	0.0135	100	124	149	161	215	269	182	
Nokian Mount & City (new)	47-305	80	0.0103	76	95	114	123	164	205	118	
Nokian Mount & Ground (used)	47-406	45	0.0104	76	95	114	124	165	206	119	
Nokian Mount & Ground (used)	47-406	80	0.0100	73	92	110	119	159	198	112	
Nokian Mount & Ground (used)	47-406	100	0.0089	66	82	99	107	142	178	91	
Primo 20 x 1.5 (used)	37-451	85	0.0066	48	61	73	79	105	131	45	
Primo 20 x 1.5 (used)	37-451	100	0.0065	48	60	71	77	103	129	43	
Primo 20 x 1.5 (used)	37-451	120	0.0062	46	57	69	75	99	124	38	
Primo 16 x 1 3/8 (new)	37-349	100	0.0078	57	72	86	93	124	155	69	
Primo 16 x 1 3/8 (new)	37-349	110	0.0071	52	65	78	85	113	141	55	
Primo 16 x 1 3/8 (new)	37-349	120	0.0070	52	65	78	84	112	140	54	
Primo 16 x 1 3/8 (new)	37-349	85	0.0078	57	72	86	93	124	155	69	
Primo Comet	37-406	100	0.0074	54	68	82	88	118	147	61	
Primo Comet	37-406	120	0.0070	52	64	77	84	111	139	53	
Primo V Monster (new)	20 x 1.75	65	0.0074	55	68	82	89	118	148	61	
Primo V Monster (new)	20 x 1.75	80	0.0078	57	72	86	93	124	155	68	
Primo w. ground off tread	37-349	85	0.0066	49	61	73	79	106	132	46	
Primo w. ground off tread	37-349	100	0.0063	47	58	70	76	101	126	40	
Primo w. ground off tread	37-349	110	0.0064	47	59	70	76	102	127	41	
Primo w. ground off tread	37-349	120	0.0060	44	55	66	71	95	119	33	
Primo w. ground off tread	37-349	140	0.0060	44	55	66	71	95	119	33	
Primo w. ground off tread, & latex tube	37-349	100	0.0066	49	61	73	79	106	132	46	
Primo w. ground off tread, & latex tube	37-349	120	0.0061	45	56	67	73	97	121	35	
Primo w. ground off tread, & latex tube	37-349	140	0.0058	42	53	64	69	92	115	29	
Schwalbe City Jet (new)	32-406	100	0.0087	64	80	96	104	139	174	87	
Schwalbe City Jet (new)	32-406	120	0.0082	60	76	91	98	131	163	77	

Schwalbe Marathon (new)	32-406	100	0.0097	72	89	107	116	155	193	107
Schwalbe Marathon (new)	32-406	115	0.0101	75	93	112	121	161	201	114
Schwalbe Marathon (new)	32-406	130	0.0100	73	92	110	119	159	198	112
Schwalbe Spezial City Jet (used)	32-406	100	0.0065	48	60	72	78	104	130	44
Schwalbe Spezial City Jet (used)	32-406	120	0.0063	46	58	70	75	100	126	39
Tioga Comp Pool (new)	20 x 1.75	90	0.0074	54	68	81	88	117	146	60
Tioga Comp Pool (new)	20 x 1.75	100	0.0071	52	65	78	84	113	141	54
Tioga Comp Pool (new)	20 x 1.75	110	0.0069	51	63	76	82	110	137	51
Tioga Comp Pool (new)	20 x 1.75	120	0.0065	48	60	72	78	103	129	43
Tioga Comp Ramp (new)	20 x 1 7/8	85	0.0080	59	73	88	95	127	159	72
Tioga Comp Ramp (new)	20 x 1 7/8	100	0.0079	58	73	87	95	126	158	71
Vee Rubber (new)	20 x 2.125	40	0.0114	84	105	126	136	181	226	139
Vee Rubber (new)	20 x 2.125	60	0.0105	77	96	116	125	167	209	122
Vee Rubber (new)	20 x 2.125	80	0.0097	72	89	107	116	155	193	107
Vredestein Monte Carlo (new)	37-406	90	0.0069	51	63	76	82	109	137	50
Vredestein Monte Carlo (new)	37-406	100	0.0067	49	62	74	80	107	134	47
Vredestein Monte Carlo (new)	37-406	120	0.0064	47	58	70	76	101	126	40
Vredestein Monte Carlo (used)	37-406	90	0.0077	57	71	85	92	123	154	67
Vredestein Monte Carlo (used)	37-406	100	0.0069	51	64	76	82	110	138	51
Vredestein Monte Carlo (used)	37-406	120	0.0068	50	63	75	81	109	136	50
Vredestein S-Lick (new)	32-406	60	0.0155	114	142	171	185	246	308	220
Vredestein S-Lick (new)	32-406	90	0.0106	78	97	117	126	168	210	123
Vredestein S-Lick (new)	32-406	100	0.0098	72	90	108	117	155	194	107
RECOMMENDED 700C TYRES FOR REAR WHEELS for comparison. Very good performance at reasonable price.										
Nokia Roadie (used)	700 x 25c	100	0.0046	34	42	51	55	73	91	5
Michelin Axial Supercomp	23-622	110	0.0046	34	42	51	55	73	91	5
Vredestein Fortezza Piste	700 x 23c	10 bar	0.0043	32	40	48	52	69	86	0