

tire testing conducted by BTR forum member:Al Morrison, Visit <http://biketechreview.com/phpBB2/index.php> for more information/discussion

Tire/tube	Tire W	Crr	Std Dev	wheel	Runs	Days	Notes
Velo Flex Record/Michelin Latex Tube (18/20)	20	0.0024	X	11.8	1	1	New Tire - 140 psig
Velo Flex Record/Michelin Latex Tube (18/20)	20	0.00259	0.00002	12.7	2	1	New Tire
Michelin Pro Race 2 Light SC/Mich Latex Tube (18/20)	24	0.00261	0.00007	12.8	8	2	New Tire
Vittoria Open Corsa EVO CX (23)/Mich Latex Tube (22/23)	24	0.00261	0.00001	12.8	2	1	Used Tire ~ 40 miles
Deda Giro Italia/Mich Latex Tube (22/23)	25	0.00261	0.00005	12.8	2	1	Used Tire
Velo Flex Record Tubular	20	0.00267	0.00005	13.1	3	1	Used Tire
Tufo Race Lite < 125 grams Tubular	20	0.00267	0.00004	13.1	2	1	200 psig
Zipp Tubular	22	0.00268	0.00006	13.2	17	4	Glued 6/05 Tested 8/06 2 coats Rim 1 coat tire Conti
Vittoria EVO KS (23)/Michelin Latex Tube (22/23)	23	0.00274	0.00003	13.5	3	2	Used Tire ~ 50 miles
Tufo Race Lite < 125 grams Tubular	20	0.00275	X	13.5	1	1	180 psig
Michelin Pro Race 2 Light SC/Mich Latex Tube (22/23)	24	0.00278	0.00005	13.7	4	1	New Tire
Velo Flex Record/Michelin Latex Tube (18/20)	20	0.00279	0.00002	13.7	4	2	Used - Jen's Tire
Ritchey WCS Race Slick tubular	22	0.00287	0.00003	14.1	4	1	Glued 7/06 Tested 10/06
Vittoria EVO KS (20)/Michelin Latex Tube (18/20)	22	0.00291	X	14.3	1	1	New Tire - 140 psig
Vittoria Open Corsa EVO KS (23)/Mich Latex Tube (18/20)	23	0.00291	0	14.3	2	1	New Tire
Tufo Race Lite < 125 grams Tubular	20	0.00292	X	14.4	1	1	160 psig
Vittoria Corsa EVO CX Tubular	22	0.00296	0.00003	14.6	2	1	Glued 6/06 Tested 11/06
Vittoria Open Corsa EVO KS (23)/Mich Latex Tube (22/23)	23	0.00297	0.00005	14.6	2	1	New Tire
Tufo Race Lite < 125 grams Tubular	20	0.00304	X	15	1	1	140 psig
Vittoria Open Corsa CX TT (23) with Mich Latex Tube (22/23)	24	0.00305	0.00002	15	2	1	Used - Jen's Tire
Vittoria EVO KS (20)/Michelin Latex Tube (18/20)	22	0.00306	0.00003	15	2	1	New Tire
Michelin Pro Race 2 Service Course/Mich Latex Tube (22/23)	24	0.00306	0.00005	15	3	1	Used - Jen's Tire
Vittoria EVO CX (23)/Butyl Tube	24	0.00307	0.0004	15.1	2	1	Used Tire ~ 40 miles
Specialized Mondo Tubular	23	0.0031	0.00001	15.2	2	1	Glued 1/05 Tested 11/06 3 coats rim 1 coat tire Mastik 1
Vredestein Fortezza Pro Tricomp Tubular (21)	22	0.00316	0.00001	15.6	2	1	Glued 1/06 Tested 11/06 3 coats rim 1 coat tire Mastik 1
Velo Flex Pavé/Mich Latex Tube (18/20)	23	0.00317	0.00004	15.7	2	1	Used Tire
Velo Flex Pavé/Mich Latex Tube (22/23)	23	0.00318	0.00004	15.7	3	1	Used Tire
Scwalbe Ultremo (23)/Michelin Latex Tube (22/23)	24	0.00322	0.00005	15.8	2	1	Used Tire
Tufo Race Lite < 125 grams Tubular	20	0.00322	0.00001	15.8	2	1	120 psig
Velo Flex Carbon Tubular	23	0.00324	0.00006	15.9	2	1	Reglued 11/16/06 Tested 11/23/06 add 1 coat
Scwalbe Ultremo (23)/Michelin Latex Tube (18/20)	24	0.00325	0.00004	16	2	1	Used Tire
Velo Flex Carbon Tubular	22	0.00334	0.00004	16.4	2	1	Glued 10/31/06 Tested 11/1/06 2 coats rim a coat tire
Scwalbe Ultremo (23)/Butyl Tube	24	0.00335	0.00003	16.5	2	1	Used Tire
Specialized Mondo/Butyl Tube (23)	25	0.0036	0	17.7	2	1	Used Tire
Velo Flex Pavé/Mich Butyl Tube (22/23)	23	0.00376	0.00008	18.5	4	1	Used Tire
Scwalbe Stelvio (23)/Butyl Tube	24	0.00392	0.00005	19.3	2	1	Used Tire
Avocet TT/30 (20)	21	0.00394	0.0001	19.4	1	2	Used Tire
Ritchey Fortress/Butyl Tube	24	0.00463	0.0001	22.8	21	9	Control Tire - first and last each test day
Conti GP 3000 (20)/Butyl Tube	19	0.00488	0.0004	24	2	1	Used Tire

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Notes:

Tire Pressure = 120 psig unless otherwise noted

Speed ~ 51 km/hr (54X13 - ~ 98 rpm cadence)

SRM Pro Power Measurement (Zero'd before each test run)

Crr Calculation from Tom Anhalt's Spreadsheet

Tacx Rollers (79 mm PVC - 26 cm spacing) with Hinged Front Fork Mount

Test Run time + 2 minutes

Power per Wheel at 25 mph with 100 lb load

Rear wheel load adjusted per morning weigh in

Each tire warmed up for > 5 minutes before testing

Aero position used for all tests

Control - Ritchey Fortress training tire tested first and last each test day

Raw Speed Data was corrected for tire roll out prior to Crr calculation

Temperature Range 65 - 75 F (typical 5 degree F range per test day)

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