

FSAE TTC -- ROUND 8 RUN GUIDE

Run numbers correspond to the data files, such as "A1965run17.dat" for Run 17.

Rim Diameter, in	Tire	Rim Width, in	Free-Rolling (Cornering)					
			¹ Transient	² Initial 12 psi	10, 14 psi	8 psi	³ Final 12 psi	^{4,5} Speed test
10	Hoosier	43075 16x7.5-10 R25B	7	1	2	2	4	4
10	Hoosier	43075 16x7.5-10 R25B	8	5	6	6	7	7
10	Hoosier	43070 16x6.0-10 R25B	6	8	9	9	10	10
10	Hoosier	43070 16x6.0-10 R25B	7	11	12	12	13	13
10	Hoosier	43075 16x7.5-10 LCO	8	14	15	15	16	16
10	Hoosier	43075 16x7.5-10 LCO	7	17	18	18	19	19
10	Hoosier	43070 16x6.0-10 LCO	6	20	21	21	22	22
10	Hoosier	43070 16x6.0-10 LCO	7	23	24	24	25	25
13	Continental	205/470R13 43329	7 #	35	36	36	37	37
13	Goodyear	20x7-13 D2704	7	30*	31*, 46	31*, 46	32*	32*
13	Goodyear	20x7-13 D2704	8	41	42	42	44	44

1. Includes initial spring rates (12 psi) and step steers for transient analysis (12, 10 and 14 psi)
2. Includes cold to hot sweeps, break-in and post-break-in spring rates
3. Slip angle sweeps at 12 psi repeated after 10, 14 and 8 psi for comparison with the initial 12 psi block.
4. Slip angle sweeps at 12 psi tested at 15 mph and 45 mph. In all previous slip angle sweeps the speed is 25 mph.
5. Includes camber sweeps at zero slip angle (new in Round 8).

*Tire mounted backwards -- see the discussion under "Test Comments" in Contents_Round8.pdf

#There is no second rim width data for the Continental -- see the discussion under "Test Comments" in Contents_Round8.pdf

Rim Diameter, in	Tire	Rim Width, in	Drive/Brake/Combined					
			⁶ Warmup	Initial 12 psi	10, 14 psi	8 psi	⁷ Final 12 psi	⁸ Speed test
13	Continental	205/470R13 43329	7	47	48	48	49	49
13	Goodyear	20x7-13 D2704	7	51	52	52	53	53
13	Goodyear	20x7-13 D2704	8	56	57	57	58	58

6. Includes initial spring rates, cold to hot, break-in and spring rates.
7. Slip ratio sweeps at 12 psi repeated after 10, 14 and 8 psi for comparison with the initial 12 psi block.
8. Slip ratio sweeps at 12 psi tested at 15 mph and 45 mph. In all previous slip angle sweeps the speed is 25 mph.

See "1965 Summary Tables.xls" for Calspan's complete run log.

- Tire spring rate, cornering stiffness, probe temperatures, tire weights and wheel weights are also included.

Data for aborted runs is not presented.

- Run 3 was aborted when the air pressure line disconnected early in the test.
- Runs 27, 28, 29, 34, 39, 40, 43, 45, 50, 54 & 55 debeaded. These were all on 13" rims--see the discussion under "Test Comments" in Contents_Round8.pdf