

CIRCUIT DATA

Length: 5,853 m
Number of laps: 53
Type of circuit: Hard
Number of brakings: 12
Time spent under braking per lap: 10%

SOCHI

Totally new circuit for the F1 circus and several unknowns for the teams that, approaching the track for the first time, will have to pay close attention to the temperature of brake discs and calipers.

Sochi is not one of the most challenging circuits for the braking system, even if the management of the friction material temperature is the key to managing the race with the guarantee of consistent performance and controlled wear. The most critical aspect, with regard to the braking system, is linked to the correct sizing of air intakes that ensure the optimum operating temperature for the brakes.

*** Turn 02 is considered the most demanding for the braking system.**

02*

Initial speed	312	(Km/h)
Final speed	107	(Km/h)
Stopping distance	105	(m)
Braking time	1.94	(sec)
Maximum deceleration	5.27	(g)
Maximum pedal load	126	(Kg)
Braking power	2046	(Kw)

06

Initial speed	270	(Km/h)
Final speed	136	(Km/h)
Stopping distance	71	(m)
Braking time	1.29	(sec)
Maximum deceleration	4.28	(g)
Maximum pedal load	104	(Kg)
Braking power	1453	(Kw)

09

Initial speed	244	(Km/h)
Final speed	146	(Km/h)
Stopping distance	53	(m)
Braking time	1	(sec)
Maximum deceleration	3.70	(g)
Maximum pedal load	89	(Kg)
Braking power	1130	(Kw)

14

Initial speed	306	(Km/h)
Final speed	116	(Km/h)
Stopping distance	101	(m)
Braking time	1.86	(sec)
Maximum deceleration	5.11	(g)
Maximum pedal load	122	(Kg)
Braking power	1960	(Kw)

16

Initial speed	225	(Km/h)
Final speed	112	(Km/h)
Stopping distance	55	(m)
Braking time	1.16	(sec)
Maximum deceleration	3.32	(g)
Maximum pedal load	80	(Kg)
Braking power	946	(Kw)

05

Initial speed	282	(Km/h)
Final speed	130	(Km/h)
Stopping distance	73	(m)
Braking time	1.29	(sec)
Maximum deceleration	4.53	(g)
Maximum pedal load	108	(Kg)
Braking power	1599	(Kw)

08

Initial speed	264	(Km/h)
Final speed	141	(Km/h)
Stopping distance	60	(m)
Braking time	1.12	(sec)
Maximum deceleration	4.14	(g)
Maximum pedal load	94	(Kg)
Braking power	1245	(Kw)

11

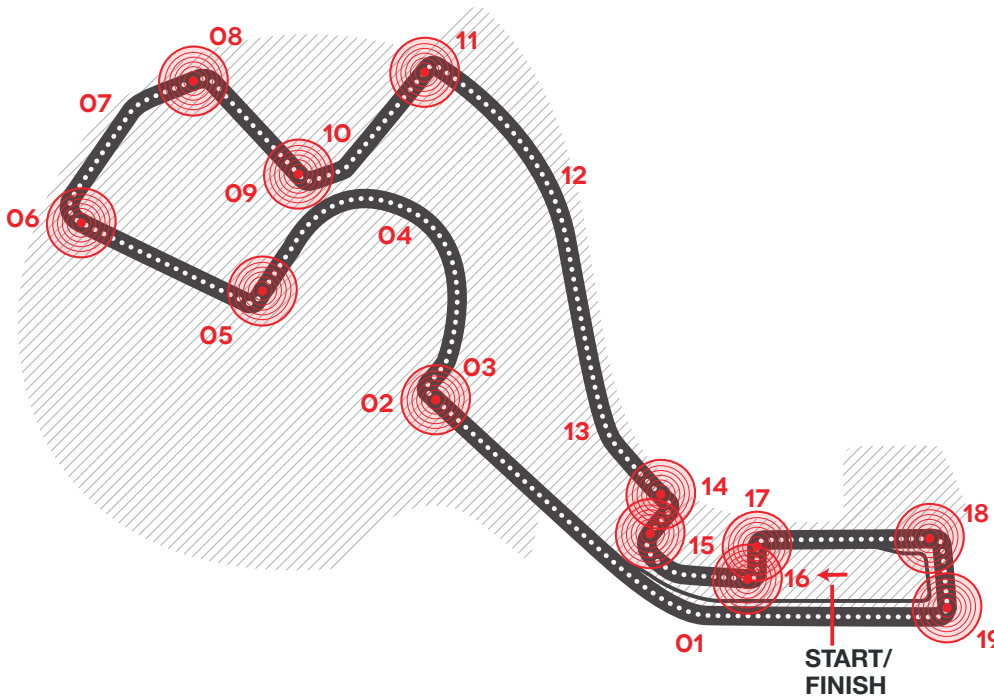
Initial speed	260	(Km/h)
Final speed	128	(Km/h)
Stopping distance	68	(m)
Braking time	1.28	(sec)
Maximum deceleration	4.05	(g)
Maximum pedal load	97	(Kg)
Braking power	1327	(Kw)

15

Initial speed	146	(Km/h)
Final speed	139	(Km/h)
Stopping distance	4	(m)
Braking time	0.10	(sec)
Maximum deceleration	2.03	(g)
Maximum pedal load	39	(Kg)
Braking power	337	(Kw)

17

Initial speed	135	(Km/h)
Final speed	129	(Km/h)
Stopping distance	3	(m)
Braking time	0.10	(sec)
Maximum deceleration	1.91	(g)
Maximum pedal load	38	(Kg)
Braking power	294	(Kw)



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18

Initial speed	262	(Km/h)
Final speed	121	(Km/h)
Stopping distance	76	(m)
Braking time	1.49	(sec)
Maximum deceleration	4.10	(g)
Maximum pedal load	99	(Kg)
Braking power	1354	(Kw)

19

Initial speed	187	(Km/h)
Final speed	106	(Km/h)
Stopping distance	36	(m)
Braking time	0.84	(sec)
Maximum deceleration	2.63	(g)
Maximum pedal load	63	(Kg)
Braking power	602	(Kw)

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