

F1 | BRAKE CIRCUIT IDENTITY CARDS

FORMULA 1 GRANDE
PRÊMIO DO BRASIL 2015

13-15 NOV 2015

AUT. JOSE CARLOS PACE (SÃO PAULO)

TYPE OF CIRCUIT	MEDIUM
TIME SPENT BRAKING	17%
AVERAGE DECELERATION	3.8 g
BRAKING ENERGY PRODUCED BY A CAR DURING THE GP	121 kWh
TOTAL PEDAL LOAD DURING THE GP	57439 Kg

HARDER BRAKING

	STOPPING DISTANCE	MAXIMUM PEDAL LOAD
01	138 m	165 Kg
04	122 m	164 Kg
06	129 m	134 Kg

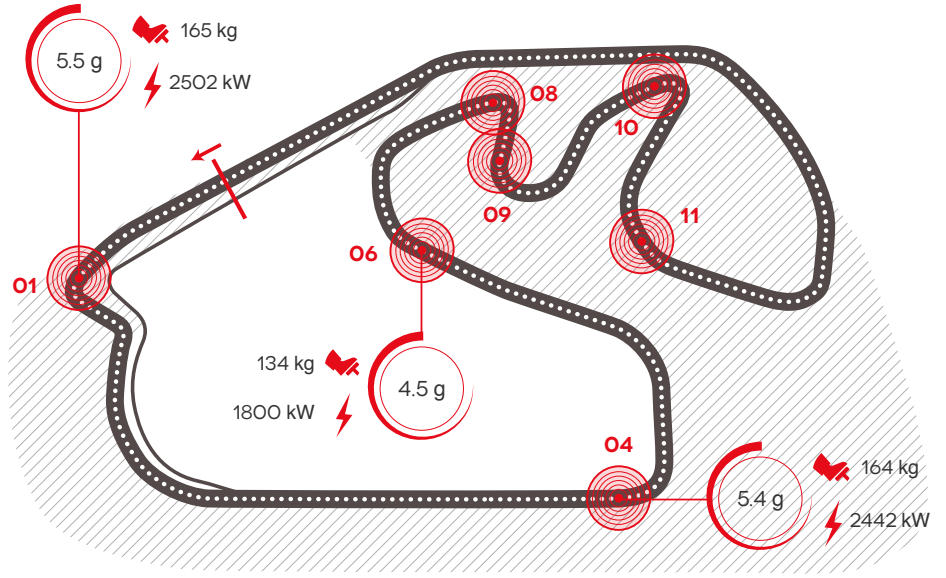
CIRCUIT DATA

Length: 4,309 m
Number of laps: 71
Number of brake zones/lap: 7

COMMENT

This is a very "driven" track with long, fast turns that translate into not-so-demanding braking sections. Of the track's 7 braking sections, none are particularly difficult for the braking system which has plenty of time to cool down despite the fact that the drivers have a foot on the brake pedal for about 17% of the time.

*** Turn 01 is considered the most demanding for the braking system.**



01*

Initial speed	337	(Km/h)
Final speed	96	(Km/h)
Stopping distance	138	(m)
Braking time	1.43	(sec)
Maximum deceleration	5.5	(g)
Maximum pedal load	165	(Kg)
Braking power	2502	(Kw)

06

Initial speed	297	(Km/h)
Final speed	186	(Km/h)
Stopping distance	129	(m)
Braking time	0.86	(sec)
Maximum deceleration	4.5	(g)
Maximum pedal load	134	(Kg)
Braking power	1800	(Kw)

09

Initial speed	138	(Km/h)
Final speed	100	(Km/h)
Stopping distance	46	(m)
Braking time	0.81	(sec)
Maximum deceleration	1.6	(g)
Maximum pedal load	49	(Kg)
Braking power	152	(Kw)

11

Initial speed	274	(Km/h)
Final speed	110	(Km/h)
Stopping distance	111	(m)
Braking time	1.29	(sec)
Maximum deceleration	3.9	(g)
Maximum pedal load	119	(Kg)
Braking power	1442	(Kw)

04

Initial speed	335	(Km/h)
Final speed	131	(Km/h)
Stopping distance	122	(m)
Braking time	1.26	(sec)
Maximum deceleration	5.4	(g)
Maximum pedal load	164	(Kg)
Braking power	2442	(Kw)

08

Initial speed	231	(Km/h)
Final speed	89	(Km/h)
Stopping distance	91	(m)
Braking time	1.18	(sec)
Maximum deceleration	3.0	(g)
Maximum pedal load	92	(Kg)
Braking power	912	(Kw)

10

Initial speed	222	(Km/h)
Final speed	89	(Km/h)
Stopping distance	94	(m)
Braking time	1.24	(sec)
Maximum deceleration	2.9	(g)
Maximum pedal load	86	(Kg)
Braking power	816	(Kw)