






F1 | CARTA D'IDENTITÀ DEI CIRCUITI




FORMULA 1 GRAN PREMIO
DE ESPAÑA PIRELLI 2015

08-10 MAY 2015

CIRCUIT DE BARCELONA (CATALUNYA)

TYPE OF CIRCUIT	 MEDIUM
TIME SPENT BRAKING	 18%
AVERAGE DECELERATION	 3.8 g
BRAKING ENERGY PRODUCED BY A CAR DURING THE GP	 114 kWh
TOTAL PEDAL LOAD DURING THE GP	 62,436 Kg

HARDER BRAKING

	STOPPING DISTANCE	MAXIMUM PEDAL LOAD
01	104 m	 168 Kg
10	134 m	 153 Kg
04	92 m	 143 Kg

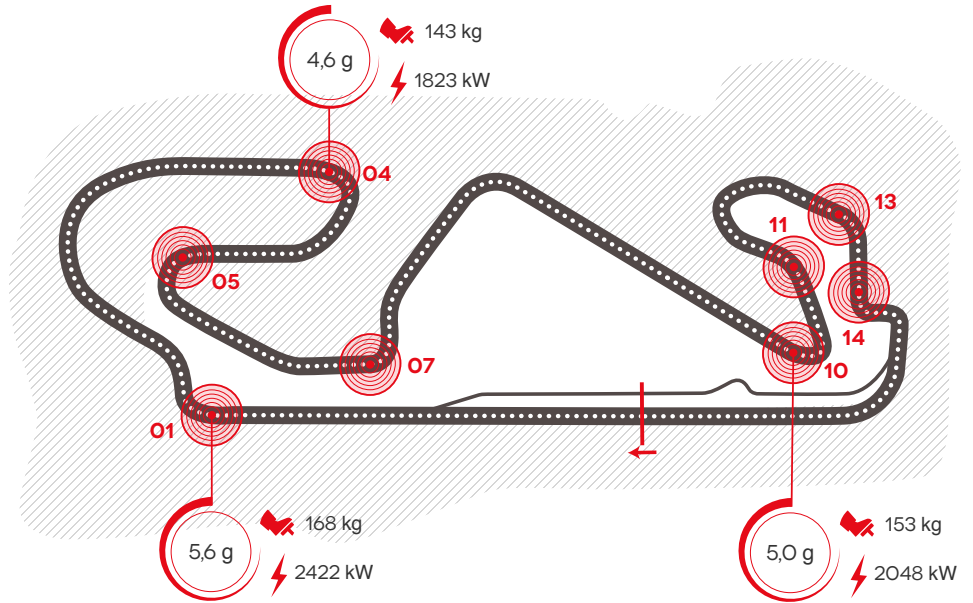
CIRCUIT DATA

Length: 4.655 m
Number of laps: 66
Number of brake zones/lap: 8

COMMENT

The is the circuit which is used most for winter testing so the teams and drivers know it quite well. The track's level of grip is always very high and, with about 18% of every lap spent on the brakes, it can be considered a medium demanding track for the brakes. On the other hand, the straight stretches allow efficient heat dissipation between one braking section and the next. The most demanding braking section is made up of the ELF turn, which is also on a downhill and has deceleration greater than 5 Gs.

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



01*

Initial speed	330 (Km/h)
Final speed	120 (Km/h)
Stopping distance	104 (m)
Braking time	1.11 (sec)
Maximum deceleration	5.6 (g)
Maximum pedal load	168 (Kg)
Braking power	2422 (Kw)

05

Initial speed	254 (Km/h)
Final speed	96 (Km/h)
Stopping distance	100 (m)
Braking time	1.23 (sec)
Maximum deceleration	3.7 (g)
Maximum pedal load	115 (Kg)
Braking power	1243 (Kw)

10

Initial speed	308 (Km/h)
Final speed	67 (Km/h)
Stopping distance	134 (m)
Braking time	1.51 (sec)
Maximum deceleration	5.0 (g)
Maximum pedal load	153 (Kg)
Braking power	2048 (Kw)

13

Initial speed	217 (Km/h)
Final speed	118 (Km/h)
Stopping distance	76 (m)
Braking time	1.04 (sec)
Maximum deceleration	2.9 (g)
Maximum pedal load	94 (Kg)
Braking power	819 (Kw)

04

Initial speed	294 (Km/h)
Final speed	132 (Km/h)
Stopping distance	92 (m)
Braking time	1.06 (sec)
Maximum deceleration	4.6 (g)
Maximum pedal load	143 (Kg)
Braking power	1823 (Kw)

07

Initial speed	264 (Km/h)
Final speed	130 (Km/h)
Stopping distance	90 (m)
Braking time	1.09 (sec)
Maximum deceleration	3.9 (g)
Maximum pedal load	122 (Kg)
Braking power	1372 (Kw)

11

Initial speed	200 (Km/h)
Final speed	121 (Km/h)
Stopping distance	55 (m)
Braking time	0.84 (sec)
Maximum deceleration	2.6 (g)
Maximum pedal load	83 (Kg)
Braking power	634 (Kw)

14

Initial speed	167 (Km/h)
Final speed	76 (Km/h)
Stopping distance	71 (m)
Braking time	1.10 (sec)
Maximum deceleration	2.1 (g)
Maximum pedal load	67 (Kg)
Braking power	360 (Kw)