

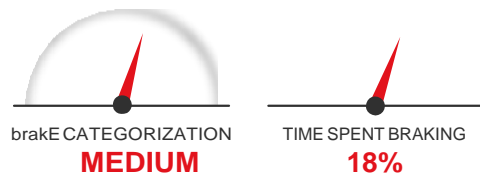
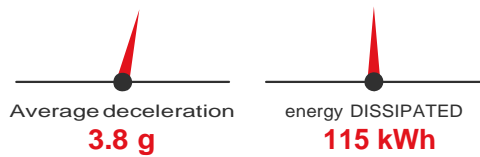
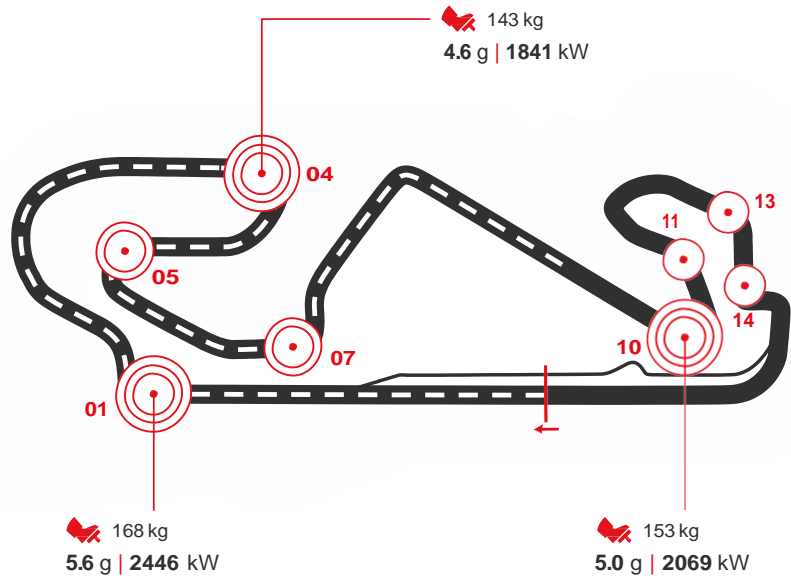


F1 | Brake Circuit Identity Cards

2016 FORMULA 1
GP DE ESPAÑA PIRELLI

13-15 MAY 2016

CIRCUIT DE BARCELONA (CATA LUNYA)



Circuit Data

Length: 4,655 m
Number of laps: 66
Number of brake zones/lap: 8

COMMENT

It's 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	335 (Km/h)
Final speed	122 (Km/h)
Stopping distance	103 (m)
Braking time	1.11 (sec)
Maximum deceleration	5.6 (g)
Maximum pedal load	168 (Kg)
Braking power	2446 (Kw)

05	
Initial speed	258 (Km/h)
Final speed	97 (Km/h)
Stopping distance	99 (m)
Braking time	1.23 (sec)
Maximum deceleration	3.7 (g)
Maximum pedal load	115 (Kg)
Braking power	1255 (Kw)

10	
Initial speed	313 (Km/h)
Final speed	68 (Km/h)
Stopping distance	133 (m)
Braking time	1.50 (sec)
Maximum deceleration	5.0 (g)
Maximum pedal load	153 (Kg)
Braking power	2069 (Kw)

13	
Initial speed	221 (Km/h)
Final speed	120 (Km/h)
Stopping distance	75 (m)
Braking time	1.03 (sec)
Maximum deceleration	2.9 (g)
Maximum pedal load	94 (Kg)
Braking power	827 (Kw)

04	
Initial speed	299 (Km/h)
Final speed	134 (Km/h)
Stopping distance	91 (m)
Braking time	1.05 (sec)
Maximum deceleration	4.6 (g)
Maximum pedal load	143 (Kg)
Braking power	1841 (Kw)

07	
Initial speed	268 (Km/h)
Final speed	132 (Km/h)
Stopping distance	89 (m)
Braking time	1.09 (sec)
Maximum deceleration	3.9 (g)
Maximum pedal load	122 (Kg)
Braking power	1386 (Kw)

11	
Initial speed	203 (Km/h)
Final speed	123 (Km/h)
Stopping distance	54 (m)
Braking time	0.83 (sec)
Maximum deceleration	2.6 (g)
Maximum pedal load	83 (Kg)
Braking power	640 (Kw)

14	
Initial speed	169 (Km/h)
Final speed	77 (Km/h)
Stopping distance	70 (m)
Braking time	1.10 (sec)
Maximum deceleration	2.1 (g)
Maximum pedal load	67 (Kg)
Braking power	364 (Kw)