

## Circuits Identity Card

### EUROPE | VALENCIA

### 22 - 24 JUN 2012



## International Circuit

- This is one of the more demanding and trying tracks for the cars' braking system. The drivers spend about 18% of their lap time on the brakes with almost half of the braking zones characterised by decelerations greater than 5 g's. Also, the lack of adequate space for cooling adds yet another critical issue to the brakes holding up during this Grand Prix.

\* Turn 10 is considered the most demanding for the braking system.

## Circuit Data

- Length: 5,419 m
- Number of laps: 57
- Type of circuit: Hard
- Number of brakings: 11
- Time spent under braking per lap: 18%

Should you publish any of the data contained here please quote Brembo as source used.



### 01

Initial speed	291	(Km/h)
Final speed	102	(Km/h)
Stopping distance	86	(m)
Braking time	1.76	(sec)
Maximum deceleration	5.65	(g)
Maximum pedal load	150	(Kg)
Braking power	2279	(Kw)

### 02

Initial speed	101	(Km/h)
Final speed	95	(Km/h)
Stopping distance	6	(m)
Braking time	0.22	(sec)
Maximum deceleration	0.94	(g)
Maximum pedal load	17	(Kg)
Braking power	100	(Kw)

### 03

Initial speed	243	(Km/h)
Final speed	133	(Km/h)
Stopping distance	52	(m)
Braking time	1.05	(sec)
Maximum deceleration	4.41	(g)
Maximum pedal load	117	(Kg)
Braking power	1494	(Kw)

### 04

Initial speed	128	(Km/h)
Final speed	122	(Km/h)
Stopping distance	4	(m)
Braking time	0.12	(sec)
Maximum deceleration	1.80	(g)
Maximum pedal load	44	(Kg)
Braking power	314	(Kw)

### 05

Initial speed	287	(Km/h)
Final speed	84	(Km/h)
Stopping distance	91	(m)
Braking time	2.02	(sec)
Maximum deceleration	5.55	(g)
Maximum pedal load	148	(Kg)
Braking power	2218	(Kw)

### 06

Initial speed	197	(Km/h)
Final speed	78	(Km/h)
Stopping distance	55	(m)
Braking time	1.53	(sec)
Maximum deceleration	3.33	(g)
Maximum pedal load	86	(Kg)
Braking power	879	(Kw)

### 07

Initial speed	304	(Km/h)
Final speed	87	(Km/h)
Stopping distance	100	(m)
Braking time	2.08	(sec)
Maximum deceleration	5.98	(g)
Maximum pedal load	159	(Kg)
Braking power	2526	(Kw)

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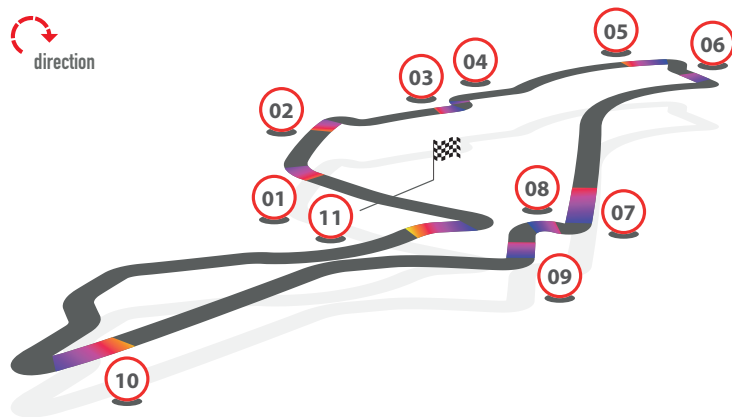
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#### 08

Initial speed	114	(Km/h)
Final speed	105	(Km/h)
Stopping distance	5	(m)
Braking time	0.16	(sec)
Maximum deceleration	1.99	(g)
Maximum pedal load	48	(Kg)
Braking power	291	(Kw)

#### 09

Initial speed	192	(Km/h)
Final speed	151	(Km/h)
Stopping distance	23	(m)
Braking time	0.48	(sec)
Maximum deceleration	3.19	(g)
Maximum pedal load	83	(Kg)
Braking power	832	(Kw)

#### 10 \*

Initial speed	302	(Km/h)
Final speed	74	(Km/h)
Stopping distance	107	(m)
Braking time	2.43	(sec)
Maximum deceleration	5.92	(g)
Maximum pedal load	157	(Kg)
Braking power	2481	(Kw)

#### 11

Initial speed	296	(Km/h)
Final speed	64	(Km/h)
Stopping distance	126	(m)
Braking time	2.93	(sec)
Maximum deceleration	5.77	(g)
Maximum pedal load	151	(Kg)
Braking power	2375	(Kw)