F1 | BRAKE CIRCUIT IDENTITY CARDS

FORMULA 1 MAGYAR NAGYDÍJ 2015

24–26 JUL 2015

HUNGARORING (BUDAPEST)

TYPE OF CIRCUIT	**HARD**
TIME SPENT BRAKING	**18%**
AVERAGE DECELERATION	**3.7** g
BRAKING ENERGY PRODUCED BY A CAR DURING THE GP	**159** kWh
TOTAL PEDAL LOAD DURING THE GP	**83,300** Kg

HARDER BRAKING

	STOPPING DISTANCE	MAXIMUM PEDAL LOAD
01	145 m	158 Kg
04	132 m	140 Kg
12	118 m	129 Kg

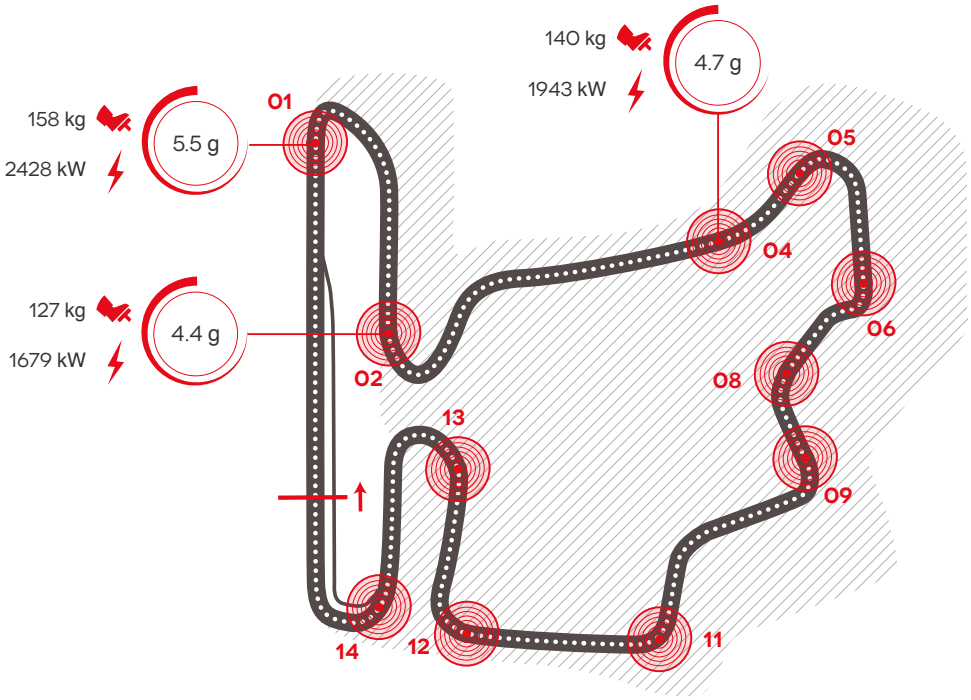
CIRCUIT DATA

Length: 4,381 m
Number of laps: 70
Number of brake zones/lap: 11

COMMENT

A winding circuit, it is characterised by the high aerodynamic load and most of it is quite driven, but with a rather demanding braking section right after the main straight stretch. This track can be numbered among the most demanding for braking systems, even if friction material temperature management on this track is in any case the key to managing the race and ensuring consistent performance and wear kept under control.

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



01*

Initial speed	330	(Km/h)
Final speed	84	(Km/h)
Stopping distance	145	(m)
Braking time	1.57	(sec)
Maximum deceleration	5.5	(g)
Maximum pedal load	158	(Kg)
Braking power	2428	(Kw)

02

Initial speed	286	(Km/h)
Final speed	106	(Km/h)
Stopping distance	113	(m)
Braking time	1.29	(sec)
Maximum deceleration	4.4	(g)
Maximum pedal load	127	(Kg)
Braking power	1679	(Kw)

04

Initial speed	302	(Km/h)
Final speed	186	(Km/h)
Stopping distance	132	(m)
Braking time	0.87	(sec)
Maximum deceleration	4.7	(g)
Maximum pedal load	140	(Kg)
Braking power	1943	(Kw)

05

Initial speed	250	(Km/h)
Final speed	135	(Km/h)
Stopping distance	80	(m)
Braking time	1.02	(sec)
Maximum deceleration	3.6	(g)
Maximum pedal load	104	(Kg)
Braking power	1183	(Kw)

06

Initial speed	251	(Km/h)
Final speed	94	(Km/h)
Stopping distance	108	(m)
Braking time	1.34	(sec)
Maximum deceleration	3.6	(g)
Maximum pedal load	102	(Kg)
Braking power	1194	(Kw)

08

Initial speed	210	(Km/h)
Final speed	136	(Km/h)
Stopping distance	60	(m)
Braking time	0.88	(sec)
Maximum deceleration	2.8	(g)
Maximum pedal load	82	(Kg)
Braking power	738	(Kw)

09

Initial speed	181	(Km/h)
Final speed	133	(Km/h)
Stopping distance	24	(m)
Braking time	0.80	(sec)
Maximum deceleration	2.3	(g)
Maximum pedal load	66	(Kg)
Braking power	469	(Kw)

11

Initial speed	264	(Km/h)
Final speed	184	(Km/h)
Stopping distance	26	(m)
Braking time	0.78	(sec)
Maximum deceleration	3.9	(g)
Maximum pedal load	113	(Kg)
Braking power	1376	(Kw)

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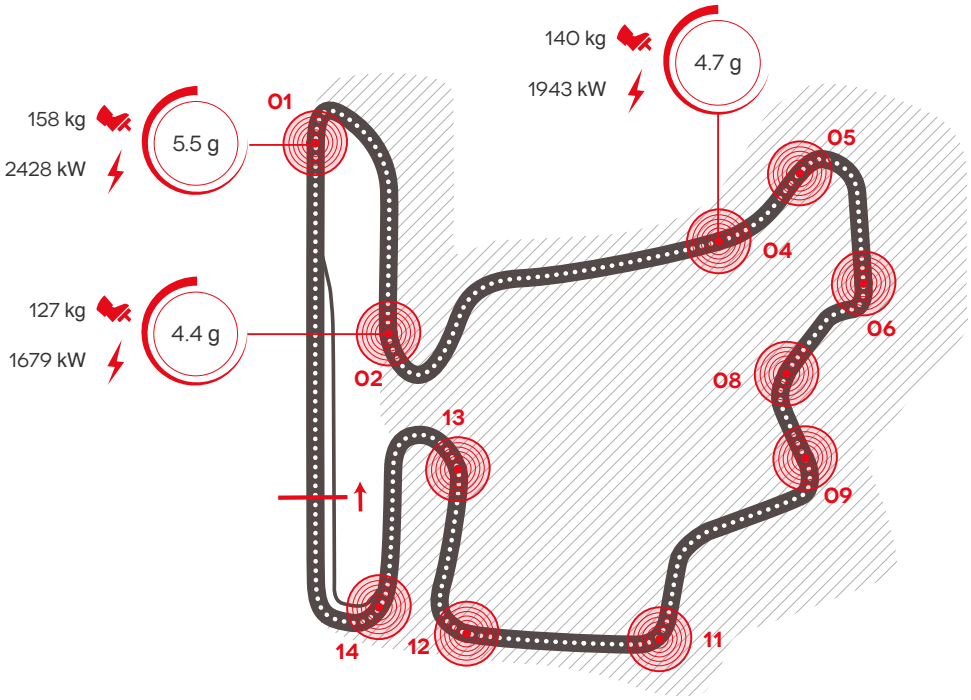

12

Initial speed	285	(Km/h)
Final speed	103	(Km/h)
Stopping distance	118	(m)
Braking time	1.36	(sec)
Maximum deceleration	4.3	(g)
Maximum pedal load	129	(Kg)
Braking power	1675	(Kw)

13

Initial speed	221	(Km/h)
Final speed	98	(Km/h)
Stopping distance	77	(m)
Braking time	1.04	(sec)
Maximum deceleration	3.0	(g)
Maximum pedal load	87	(Kg)
Braking power	839	(Kw)

14

Initial speed	214	(Km/h)
Final speed	136	(Km/h)
Stopping distance	63	(m)
Braking time	0.90	(sec)
Maximum deceleration	2.9	(g)
Maximum pedal load	83	(Kg)
Braking power	770	(Kw)