

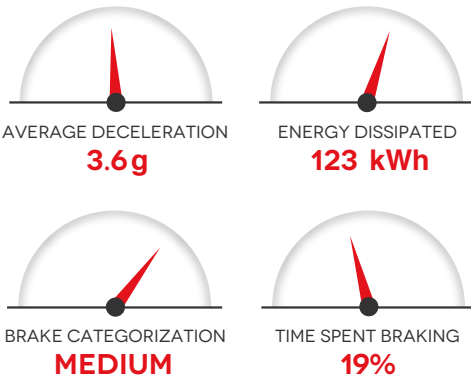


F1 | BRAKE CIRCUIT IDENTITY CARDS

FORMULA 1 GROSSER PREIS
VON DEUTSCHLAND 2016

29-31 JUL 2016

HOCKENHEIMRING (HOCKENHEIM)



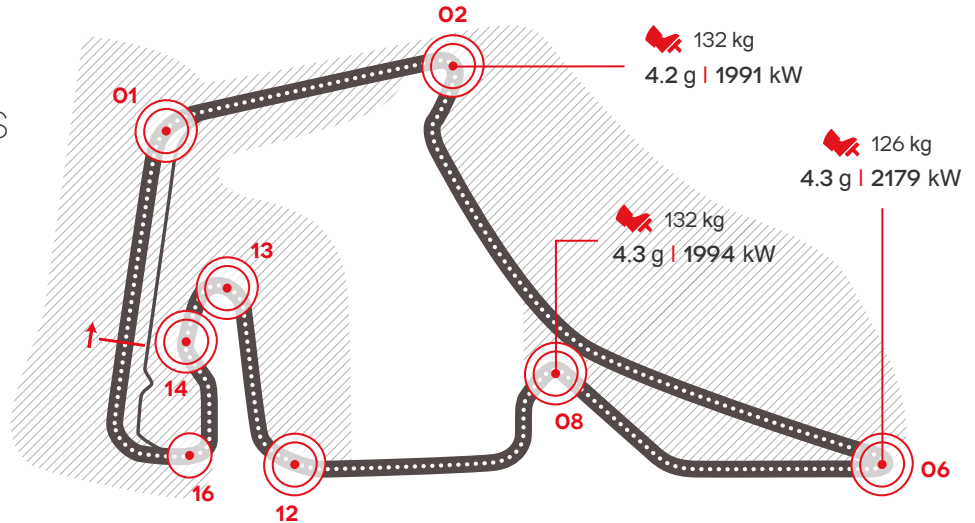
CIRCUIT DATA

Length: 4,574 m
Number of laps: 67
Number of brakings: 8

COMMENT

This is a medium difficulty track for the single-seater cars' braking system characterised by medium difficulty braking zones. The most critical aspect for the braking system is associated to the correct sizing of the air intakes which ensure optimum operating temperature for the brakes.

*** Turn 06 is considered the most demanding for the braking system.**



01

Initial speed	300	(Km/h)
Final speed	227	(Km/h)
Stopping distance	66	(m)
Braking time	0.50	(sec)
Maximum deceleration	3.7	(g)
Maximum pedal load	114	(Kg)
Braking power	1776	(Kw)

06*

Initial speed	333	(Km/h)
Final speed	70	(Km/h)
Stopping distance	141	(m)
Braking time	1.49	(sec)
Maximum deceleration	4.3	(g)
Maximum pedal load	126	(Kg)
Braking power	2179	(Kw)

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Initial speed	294	(Km/h)
Final speed	225	(Km/h)
Stopping distance	62	(m)
Braking time	0.43	(sec)
Maximum deceleration	3.7	(g)
Maximum pedal load	107	(Kg)
Braking power	1617	(Kw)

14

Initial speed	252	(Km/h)
Final speed	151	(Km/h)
Stopping distance	76	(m)
Braking time	0.74	(sec)
Maximum deceleration	3.4	(g)
Maximum pedal load	104	(Kg)
Braking power	1351	(Kw)

02

Initial speed	313	(Km/h)
Final speed	94	(Km/h)
Stopping distance	133	(m)
Braking time	1.35	(sec)
Maximum deceleration	4.2	(g)
Maximum pedal load	132	(Kg)
Braking power	1991	(Kw)

08

Initial speed	304	(Km/h)
Final speed	102	(Km/h)
Stopping distance	121	(m)
Braking time	1.23	(sec)
Maximum deceleration	4.3	(g)
Maximum pedal load	132	(Kg)
Braking power	1994	(Kw)

13

Initial speed	275	(Km/h)
Final speed	108	(Km/h)
Stopping distance	112	(m)
Braking time	1.19	(sec)
Maximum deceleration	3.8	(g)
Maximum pedal load	122	(Kg)
Braking power	1661	(Kw)

16

Initial speed	196	(Km/h)
Final speed	175	(Km/h)
Stopping distance	27	(m)
Braking time	0.28	(sec)
Maximum deceleration	1.5	(g)
Maximum pedal load	32	(Kg)
Braking power	317	(Kw)