

BRAKE CIRCUIT IDENTITY CARD

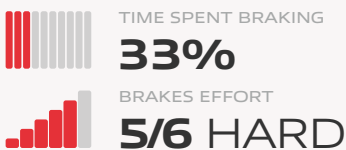
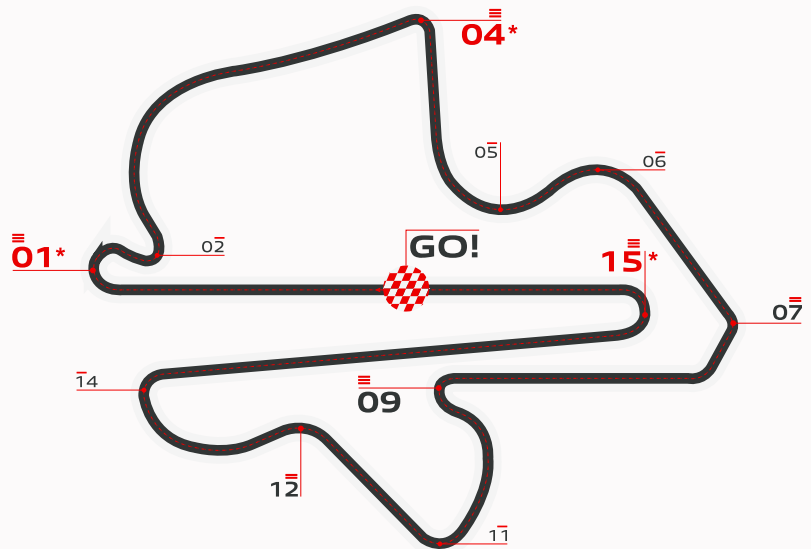
19 PETRONAS SEPANG INTERNATIONAL CIRCUIT

5,540 m / 20 laps

The Sepang racetrack is one of the longest tracks of the MotoGP and is one of the hardest on motorcycles braking systems.

Several hard cut outs among which the first and last braking are particularly demanding and characterized by sharp decelerations with over 200 km/h (124 mph) difference between initial and final speed.

The numerous cut outs, the high % of time spend braking and the tropical climate make managing temperatures rather critical both for the brakes and for the riders.



* Turn 01, Turn 15 & Turn 04 are considered the most demanding for the braking system.

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

TURN 01*

Initial Speed km/h	320
Final Speed km/h	69
Stopping Distance m	273
Braking Time sec	5.7
Maximum Deceleration g	1.5
Max Force on Lever kg	5.2
Brake Pressure bar	11.1

TURN 02

Initial Speed km/h	94
Final Speed km/h	63
Stopping Distance m	46
Braking Time sec	2.1
Maximum Deceleration g	0.7
Max Force on Lever kg	2.3
Brake Pressure bar	4.5

TURN 04*

Initial Speed km/h	267
Final Speed km/h	82
Stopping Distance m	191
Braking Time sec	4.2
Maximum Deceleration g	1.5
Max Force on Lever kg	4.7
Brake Pressure bar	10.1

TURN 05

Initial Speed km/h	186
Final Speed km/h	144
Stopping Distance m	108
Braking Time sec	2.3
Maximum Deceleration g	0.6
Max Force on Lever kg	0.8
Brake Pressure bar	1.7

TURN 06

Initial Speed km/h	168
Final Speed km/h	138
Stopping Distance m	78
Braking Time sec	1.8
Maximum Deceleration g	0.6
Max Force on Lever kg	1.6
Brake Pressure bar	3.5

TURN 07

Initial Speed km/h	228
Final Speed km/h	118
Stopping Distance m	152
Braking Time sec	3.3
Maximum Deceleration g	1.3
Max Force on Lever kg	4.3
Brake Pressure bar	9.3

TURN 09

Initial Speed km/h	256
Final Speed km/h	61
Stopping Distance m	194
Braking Time sec	4.8
Maximum Deceleration g	1.4
Max Force on Lever kg	4.6
Brake Pressure bar	9.9

TURN 11

Initial Speed km/h	163
Final Speed km/h	98
Stopping Distance m	101
Braking Time sec	2.8
Maximum Deceleration g	0.9
Max Force on Lever kg	2.8
Brake Pressure bar	5.9

TURN 12

Initial Speed km/h	214
Final Speed km/h	151
Stopping Distance m	102
Braking Time sec	2.0
Maximum Deceleration g	1.1
Max Force on Lever kg	3.3
Brake Pressure bar	7.1

TURN 14

Initial Speed km/h	175
Final Speed km/h	83
Stopping Distance m	113
Braking Time sec	3.3
Maximum Deceleration g	0.9
Max Force on Lever kg	3.5
Brake Pressure bar	7.6

TURN 15*

Initial Speed km/h	315
Final Speed km/h	62
Stopping Distance m	276
Braking Time sec	6.0
Maximum Deceleration g	1.5
Max Force on Lever kg	5.4
Brake Pressure bar	11.5