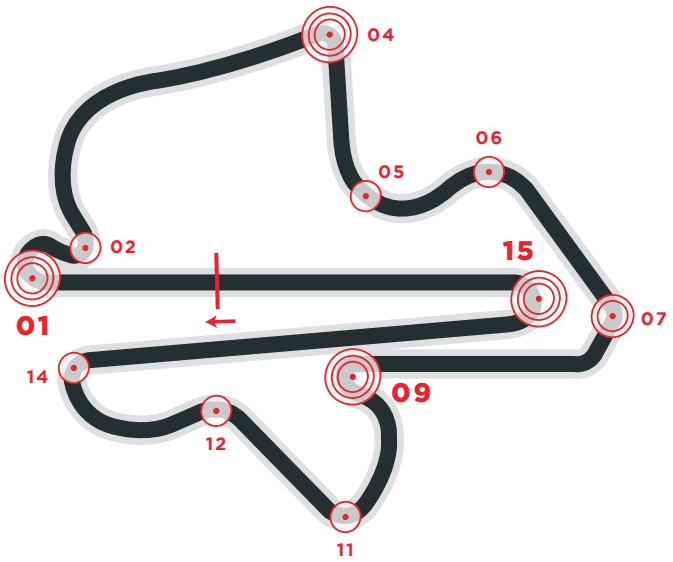
2022 MOTOGP
MALAYSIA MOTORCYCLE GRAND PRIX

21-23 OCT 2022



BRAKE CIRCUIT IDENTITY CARD

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.

BRAKES EFFORT HARD

TIME SPENT BRAKING 32%

TURN 01*, TURN 15* AND TURN 09* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

CIRCUIT LENGTH 5.543 M | **NUMBER OF LAPS 20** | **NUMBER OF BRAKE ZONES/LAP 11**

TURN 01			
Initial speed	323	(Km/h)
Final speed	72	(Km/h)
Stopping distance	264	(m)
Braking time	6	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	5.7	(Kg)

TURN 02			
Initial speed	100	(Km/h)
Final speed	66	(Km/h)
Stopping distance	44	(m)
Braking time	2	(sec)
Maximum deceleration	0.8	(g)
Max force on lever	2.3	(Kg)

TURN 04			
Initial speed	266	(Km/h)
Final speed	85	(Km/h)
Stopping distance	187	(m)
Braking time	4.2	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	4.7	(Kg)

TURN 05			
Initial speed	193	(Km/h)
Final speed	156	(Km/h)
Stopping distance	70	(m)
Braking time	2.2	(sec)
Maximum deceleration	0.6	(g)
Max force on lever	1.1	(Kg)

TURN 06			
Initial speed	170	(Km/h)
Final speed	144	(Km/h)
Stopping distance	66	(m)
Braking time	1.6	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	1.4	(Kg)

TURN 07			
Initial speed	231	(Km/h)
Final speed	125	(Km/h)
Stopping distance	151	(m)
Braking time	3.3	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.4	(Kg)

TURN 09			
Initial speed	258	(Km/h)
Final speed	61	(Km/h)
Stopping distance	192	(m)
Braking time	4.9	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	5	(Kg)

TURN 11			
Initial speed	164	(Km/h)
Final speed	101	(Km/h)
Stopping distance	89	(m)
Braking time	2.8	(sec)
Maximum deceleration	0.9	(g)
Max force on lever	2.7	(Kg)

TURN 12			
Initial speed	213	(Km/h)
Final speed	158	(Km/h)
Stopping distance	105	(m)
Braking time	2.1	(sec)
Maximum deceleration	1	(g)
Max force on lever	2.6	(Kg)

TURN 14			
Initial speed	178	(Km/h)
Final speed	85	(Km/h)
Stopping distance	99	(m)
Braking time	3.6	(sec)
Maximum deceleration	0.9	(g)
Max force on lever	2.9	(Kg)

TURN 15			
Initial speed	318	(Km/h)
Final speed	63	(Km/h)
Stopping distance	258	(m)
Braking time	5.7	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	5.8	(Kg)