2021 WSBK MOTUL
PORTUGUESE ROUND

brembo
01-03 OCT 2021

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT
MEDIUM

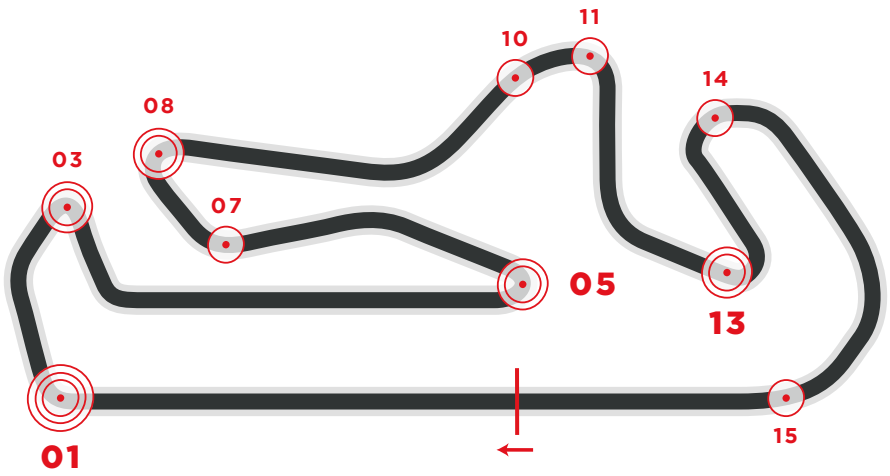
TIME SPENT BRAKING
31%

CIRCUIT LENGTH
4,592 M

NUMBER OF LAPS
20

NUMBER OF BRAKE ZONES/LAP
10

IMPORTANT
TURN 01*, **TURN 05*** and **TURN 13*** are considered the most demanding for the braking system.



The Algarve Circuit is characterized by one braking section classified as demanding on the brakes, four of medium difficulty and five light and all with deceleration between 0.8 and 1.5 g. The frequent differences in level on the circuit can be another critical part of the track since it cause the shaking of the bike, but they do not have a severe influence on the braking system.

TURN 01			
Initial speed	310	(Km/h)	
Final speed	108	(Km/h)	
Stopping distance	274	(m)	
Braking time	4.8	(sec)	
Maximum deceleration	1.5	(g)	
Max force on lever	6.5	(Kg)	

TURN 03			
Initial speed	164	(Km/h)	
Final speed	54	(Km/h)	
Stopping distance	91	(m)	
Braking time	3.3	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	4.9	(Kg)	

TURN 05			
Initial speed	236	(Km/h)	
Final speed	73	(Km/h)	
Stopping distance	195	(m)	
Braking time	4.9	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	4.9	(Kg)	

TURN 07			
Initial speed	200	(Km/h)	
Final speed	142	(Km/h)	
Stopping distance	127	(m)	
Braking time	2.7	(sec)	
Maximum deceleration	0.8	(g)	
Max force on lever	2.3	(Kg)	

TURN 08			
Initial speed	144	(Km/h)	
Final speed	79	(Km/h)	
Stopping distance	68	(m)	
Braking time	2.3	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	4.3	(Kg)	

TURN 10			
Initial speed	205	(Km/h)	
Final speed	126	(Km/h)	
Stopping distance	116	(m)	
Braking time	2.5	(sec)	
Maximum deceleration	0.9	(g)	
Max force on lever	2.9	(Kg)	

TURN 11			
Initial speed	123	(Km/h)	
Final speed	81	(Km/h)	
Stopping distance	57	(m)	
Braking time	2.1	(sec)	
Maximum deceleration	0.9	(g)	
Max force on lever	2.8	(Kg)	

TURN 13			
Initial speed	174	(Km/h)	
Final speed	63	(Km/h)	
Stopping distance	105	(m)	
Braking time	3.3	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	5.3	(Kg)	

TURN 14			
Initial speed	145	(Km/h)	
Final speed	86	(Km/h)	
Stopping distance	88	(m)	
Braking time	2.9	(sec)	
Maximum deceleration	0.8	(g)	
Max force on lever	3.1	(Kg)	

TURN 15			
Initial speed	210	(Km/h)	
Final speed	152	(Km/h)	
Stopping distance	125	(m)	
Braking time	2.6	(sec)	
Maximum deceleration	0.8	(g)	
Max force on lever	2.6	(Kg)	