2021 MOTOGP
GRANDE PRÉMIO BREMBO DO ALGARVE

brembo

05-07 NOV 2021

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT
EASY

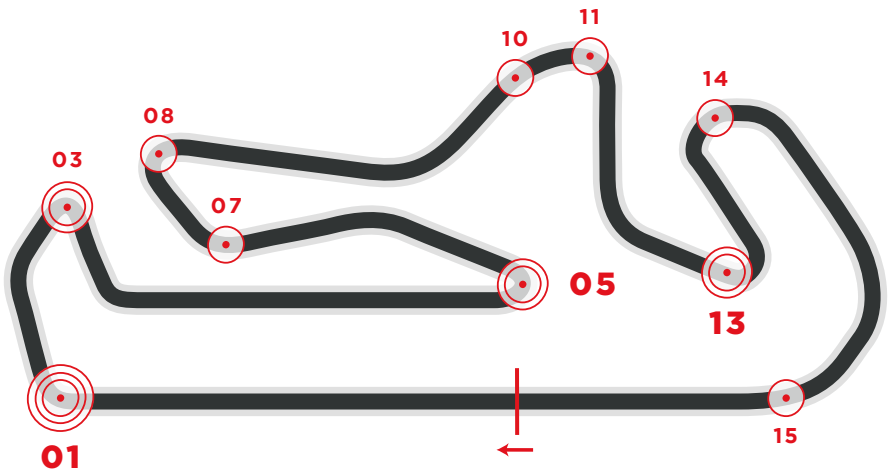
TIME SPENT BRAKING
33%

CIRCUIT LENGTH
4,592 M

NUMBER OF LAPS
25

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 ony one braking section classified as demanding on the brakes. The frequent differences in level on the circuit (the maximum slope on descents is 12% and on ascents 6%) 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.

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

TURN 01			
Initial speed	332	(Km/h)	
Final speed	114	(Km/h)	
Stopping distance	299	(m)	
Braking time	5	(sec)	
Maximum deceleration	1.5	(g)	
Max force on lever	5.7	(Kg)	

TURN 03			
Initial speed	170	(Km/h)	
Final speed	60	(Km/h)	
Stopping distance	113	(m)	
Braking time	3.6	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	3.9	(Kg)	

TURN 05			
Initial speed	251	(Km/h)	
Final speed	79	(Km/h)	
Stopping distance	212	(m)	
Braking time	5	(sec)	
Maximum deceleration	1.2	(g)	
Max force on lever	3.9	(Kg)	

TURN 07			
Initial speed	203	(Km/h)	
Final speed	138	(Km/h)	
Stopping distance	121	(m)	
Braking time	2.5	(sec)	
Maximum deceleration	0.9	(g)	
Max force on lever	2.5	(Kg)	

TURN 08			
Initial speed	146	(Km/h)	
Final speed	81	(Km/h)	
Stopping distance	81	(m)	
Braking time	2.6	(sec)	
Maximum deceleration	0.9	(g)	
Max force on lever	3.2	(Kg)	

TURN 10			
Initial speed	206	(Km/h)	
Final speed	116	(Km/h)	
Stopping distance	131	(m)	
Braking time	2.8	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	3	(Kg)	

TURN 11			
Initial speed	113	(Km/h)	
Final speed	88	(Km/h)	
Stopping distance	39	(m)	
Braking time	1.4	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	2.6	(Kg)	

TURN 13			
Initial speed	181	(Km/h)	
Final speed	68	(Km/h)	
Stopping distance	124	(m)	
Braking time	3.7	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	4	(Kg)	

TURN 14			
Initial speed	149	(Km/h)	
Final speed	87	(Km/h)	
Stopping distance	100	(m)	
Braking time	3.1	(sec)	
Maximum deceleration	0.7	(g)	
Max force on lever	2	(Kg)	

TURN 15			
Initial speed	213	(Km/h)	
Final speed	154	(Km/h)	
Stopping distance	129	(m)	
Braking time	2.5	(sec)	
Maximum deceleration	0.8	(g)	
Max force on lever	1.4	(Kg)	