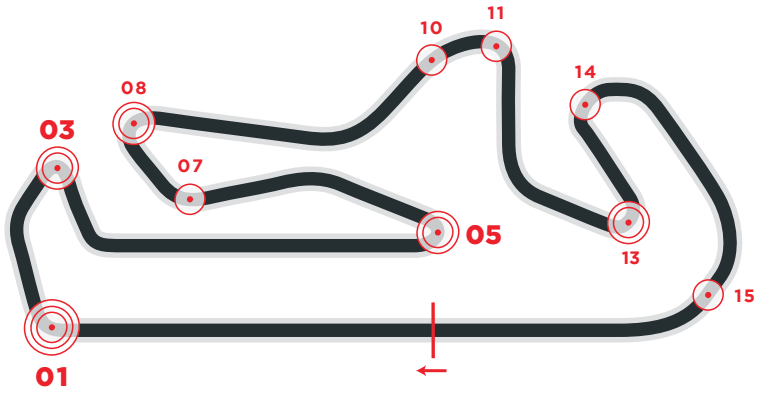
2022 WSBK
PORTUGUESE ROUND

07-09 OCT 2022



BRAKE CIRCUIT IDENTITY CARD

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 0.9 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.

BRAKES EFFORT MEDIUM

TIME SPENT BRAKING 31%

TURN 01*, TURN 03* AND TURN 05* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

CIRCUIT LENGTH 4.592 M | **NUMBER OF LAPS 20** | **NUMBER OF BRAKE ZONES/LAP 10**

TURN 01			
Initial speed	302	(Km/h)	
Final speed	118	(Km/h)	
Stopping distance	227	(m)	
Braking time	4.4	(sec)	
Maximum deceleration	1.5	(g)	
Max force on lever	5.2	(Kg)	

TURN 03			
Initial speed	171	(Km/h)	
Final speed	59	(Km/h)	
Stopping distance	97	(m)	
Braking time	3.3	(sec)	
Maximum deceleration	1.2	(g)	
Max force on lever	5.4	(Kg)	

TURN 05			
Initial speed	241	(Km/h)	
Final speed	74	(Km/h)	
Stopping distance	204	(m)	
Braking time	5.2	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	4.5	(Kg)	

TURN 07			
Initial speed	206	(Km/h)	
Final speed	143	(Km/h)	
Stopping distance	99	(m)	
Braking time	2.5	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	3.2	(Kg)	

TURN 08			
Initial speed	148	(Km/h)	
Final speed	83	(Km/h)	
Stopping distance	72	(m)	
Braking time	2.4	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	4.3	(Kg)	

TURN 10			
Initial speed	209	(Km/h)	
Final speed	134	(Km/h)	
Stopping distance	117	(m)	
Braking time	2.5	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	3.5	(Kg)	

TURN 11			
Initial speed	131	(Km/h)	
Final speed	85	(Km/h)	
Stopping distance	54	(m)	
Braking time	2	(sec)	
Maximum deceleration	0.9	(g)	
Max force on lever	3.0	(Kg)	

TURN 13			
Initial speed	187	(Km/h)	
Final speed	65	(Km/h)	
Stopping distance	125	(m)	
Braking time	3.7	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	4.9	(Kg)	

TURN 14			
Initial speed	148	(Km/h)	
Final speed	87	(Km/h)	
Stopping distance	81	(m)	
Braking time	2.6	(sec)	
Maximum deceleration	0.9	(g)	
Max force on lever	3.1	(Kg)	

TURN 15			
Initial speed	211	(Km/h)	
Final speed	152	(Km/h)	
Stopping distance	109	(m)	
Braking time	2.3	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	3.3	(Kg)	