

2021 FORMULA 1 HEINEKEN GRANDE PRÉMIO DE PORTUGAL

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT

 **MEDIUM**

TIME SPENT BRAKING

 **17%**

CIRCUIT LENGTH

 **4,653 M**

NUMBER OF LAPS

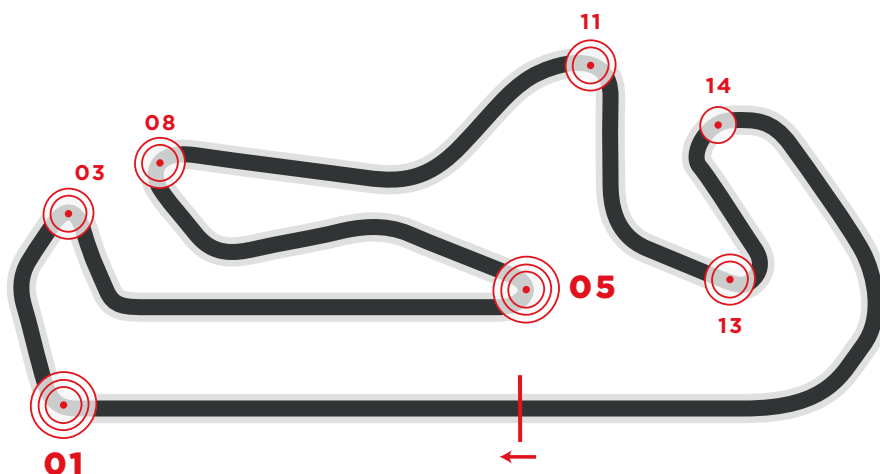
 **66**

NUMBER OF BRAKE ZONES/LAP

 **07**

IMPORTANT

TURN 05*, **TURN 01*** and **TURN 03*** are considered the most demanding for the braking system.



The Algarve Circuit is characterized by two braking sections classified as demanding on the brakes, four of medium difficulty and one light and all with deceleration between 2.9 and 5.1 g. The frequent differences in level on the circuit can be another critical part of the track since it causes the loss of grip, 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	343	(Km/h)
	Final speed	205	(Km/h)
	Stopping distance	91	(m)
	Braking time	1.22	(sec)
	Maximum deceleration	4.7	(g)
	Maximum pedal load	117	(Kg)
	Braking power	1908	(Kw)

TURN 03	Initial speed	277	(Km/h)
	Final speed	89	(Km/h)
	Stopping distance	108	(m)
	Braking time	2.47	(sec)
	Maximum deceleration	4.1	(g)
	Maximum pedal load	110	(Kg)
	Braking power	1575	(Kw)

TURN 05	Initial speed	318	(Km/h)
	Final speed	84	(Km/h)
	Stopping distance	122	(m)
	Braking time	2.72	(sec)
	Maximum deceleration	5.1	(g)
	Maximum pedal load	135	(Kg)
	Braking power	2468	(Kw)

TURN 08	Initial speed	273	(Km/h)
	Final speed	116	(Km/h)
	Stopping distance	100	(m)
	Braking time	1.95	(sec)
	Maximum deceleration	3.6	(g)
	Maximum pedal load	102	(Kg)
	Braking power	1299	(Kw)

TURN 11	Initial speed	295	(Km/h)
	Final speed	143	(Km/h)
	Stopping distance	99	(m)
	Braking time	1.71	(sec)
	Maximum deceleration	4.0	(g)
	Maximum pedal load	114	(Kg)
	Braking power	1525	(Kw)

TURN 13	Initial speed	267	(Km/h)
	Final speed	97	(Km/h)
	Stopping distance	103	(m)
	Braking time	2.13	(sec)
	Maximum deceleration	3.8	(g)
	Maximum pedal load	104	(Kg)
	Braking power	1367	(Kw)

TURN 14	Initial speed	225	(Km/h)
	Final speed	125	(Km/h)
	Stopping distance	83	(m)
	Braking time	1.62	(sec)
	Maximum deceleration	2.9	(g)
	Maximum pedal load	83	(Kg)
	Braking power	685	(Kw)