

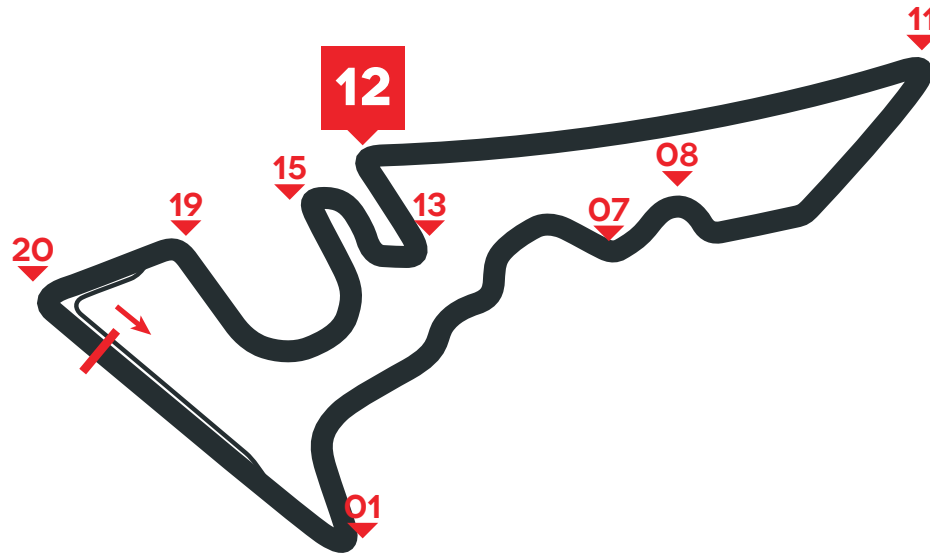
2019 FORMULA 1 EMIRATES UNITED STATES GRAND PRIX



**BRAKE CIRCUIT
IDENTITY CARDS**
01-03 NOV 2019

BRAKES EFFORT **MEDIUM**

TIME SPENT BRAKING **19%**



brembo DATA

The Austin track can be considered to have a medium demand on the braking system with the drivers using the brakes for about 19% of the time on each lap, but it is characterized by two very sudden braking sections.

The turn 12 is worth a mention: it is one of the most demanding of the season in terms of dissipated energy.

CIRCUIT DATA

Length: **5,513 m** - Number of laps: **56**
Number of brake zones/lap: **09**

IMPORTANT

***TURN 12** is considered the most demanding for the braking system.

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

01	
Initial speed	319 (Km/h)
Final speed	104 (Km/h)
Stopping distance	118 (m)
Braking time	2.35 (sec)
Maximum deceleration	5.2 (g)
Maximum pedal load	158 (Kg)
Braking power	2436 (Kw)

11	
Initial speed	295 (Km/h)
Final speed	81 (Km/h)
Stopping distance	113 (m)
Braking time	2.62 (sec)
Maximum deceleration	5.2 (g)
Maximum pedal load	174 (Kg)
Braking power	2194 (Kw)

15	
Initial speed	225 (Km/h)
Final speed	84 (Km/h)
Stopping distance	94 (m)
Braking time	2.43 (sec)
Maximum deceleration	2.9 (g)
Maximum pedal load	92 (Kg)
Braking power	1022 (Kw)

07	
Initial speed	250 (Km/h)
Final speed	198 (Km/h)
Stopping distance	70 (m)
Braking time	1.12 (sec)
Maximum deceleration	1.6 (g)
Maximum pedal load	24 (Kg)
Braking power	158 (Kw)

12*	
Initial speed	333 (Km/h)
Final speed	94 (Km/h)
Stopping distance	125 (m)
Braking time	2.52 (sec)
Maximum deceleration	5.8 (g)
Maximum pedal load	188 (Kg)
Braking power	3022 (Kw)

19	
Initial speed	293 (Km/h)
Final speed	211 (Km/h)
Stopping distance	72 (m)
Braking time	1.04 (sec)
Maximum deceleration	3.1 (g)
Maximum pedal load	41 (Kg)
Braking power	709 (Kw)

08	
Initial speed	223 (Km/h)
Final speed	170 (Km/h)
Stopping distance	45 (m)
Braking time	0.84 (sec)
Maximum deceleration	2.4 (g)
Maximum pedal load	26 (Kg)
Braking power	348 (Kw)

13	
Initial speed	220 (Km/h)
Final speed	96 (Km/h)
Stopping distance	86 (m)
Braking time	2.16 (sec)
Maximum deceleration	3.1 (g)
Maximum pedal load	87 (Kg)
Braking power	898 (Kw)

20	
Initial speed	270 (Km/h)
Final speed	103 (Km/h)
Stopping distance	92 (m)
Braking time	2.09 (sec)
Maximum deceleration	4.7 (g)
Maximum pedal load	126 (Kg)
Braking power	1711 (Kw)