

CIRCUIT DATA

Length: 5,513 m
Number of laps: 56
Type of circuit: Medium
Number of brakings: 11
Time spent under braking per lap: 15%

CIRCUIT OF THE AMERICAS (AUSTIN)

The Austin track can be considered to have a medium demand on the braking system with the drivers using the brakes for about 14% of the time on each lap, but it is characterised by two very sudden braking sections. The T12 turn is worth a mention. It is one of the most demanding of the season in terms of dissipated energy (about 2673 kW) and one of the most sudden for the driver with a G force of -5.5 Gs.

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

01

Initial speed	310	(Km/h)
Final speed	75	(Km/h)
Stopping distance	102	(m)
Braking time	1.86	(sec)
Maximum deceleration	5.15	(g)
Maximum pedal load	134	(Kg)
Braking power	1990	(Kw)

05

Initial speed	260	(Km/h)
Final speed	231	(Km/h)
Stopping distance	15	(m)
Braking time	0.22	(sec)
Maximum deceleration	4.02	(g)
Maximum pedal load	105	(Kg)
Braking power	1324	(Kw)

08

Initial speed	202	(Km/h)
Final speed	147	(Km/h)
Stopping distance	31	(m)
Braking time	0.65	(sec)
Maximum deceleration	2.87	(g)
Maximum pedal load	74	(Kg)
Braking power	729	(Kw)

12*

Initial speed	323	(Km/h)
Final speed	81	(Km/h)
Stopping distance	104	(m)
Braking time	1.81	(sec)
Maximum deceleration	5.51	(g)
Maximum pedal load	142	(Kg)
Braking power	2198	(Kw)

15

Initial speed	210	(Km/h)
Final speed	79	(Km/h)
Stopping distance	31	(m)
Braking time	0.62	(sec)
Maximum deceleration	3.01	(g)
Maximum pedal load	76	(Kg)
Braking power	793	(Kw)

02

Initial speed	280	(Km/h)
Final speed	271	(Km/h)
Stopping distance	4	(m)
Braking time	0.05	(sec)
Maximum deceleration	4.44	(g)
Maximum pedal load	79	(Kg)
Braking power	1181	(Kw)

07

Initial speed	220	(Km/h)
Final speed	209	(Km/h)
Stopping distance	6	(m)
Braking time	0.10	(sec)
Maximum deceleration	3.19	(g)
Maximum pedal load	74	(Kg)
Braking power	849	(Kw)

11

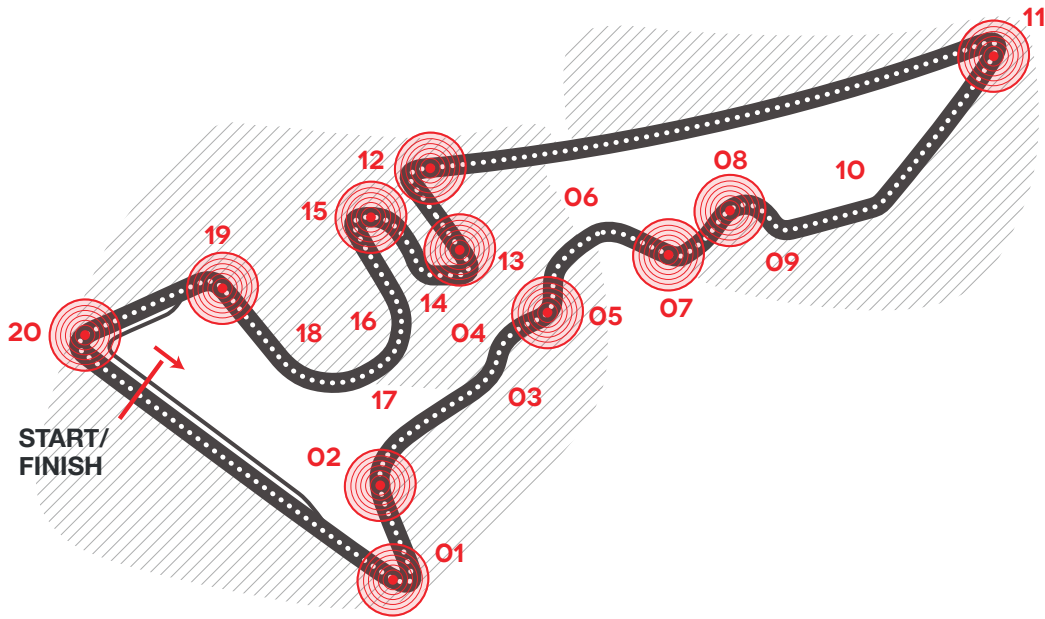
Initial speed	287	(Km/h)
Final speed	80	(Km/h)
Stopping distance	108	(m)
Braking time	2.33	(sec)
Maximum deceleration	4.61	(g)
Maximum pedal load	121	(Kg)
Braking power	1672	(Kw)

13

Initial speed	199	(Km/h)
Final speed	103	(Km/h)
Stopping distance	42	(m)
Braking time	0.96	(sec)
Maximum deceleration	2.81	(g)
Maximum pedal load	72	(Kg)
Braking power	706	(Kw)

19

Initial speed	277	(Km/h)
Final speed	202	(Km/h)
Stopping distance	40	(m)
Braking time	0.60	(sec)
Maximum deceleration	4.38	(g)
Maximum pedal load	112	(Kg)
Braking power	1526	(Kw)



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20

Initial speed	245	(Km/h)
Final speed	104	(Km/h)
Stopping distance	78	(m)
Braking time	1.70	(sec)
Maximum deceleration	3.70	(g)
Maximum pedal load	97	(Kg)
Braking power	1140	(Kw)

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