

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT

■■■■ MEDIUM

TIME SPENT BRAKING

🕒 30%

CIRCUIT LENGTH

🏍️ 5,513 M

NUMBER OF LAPS

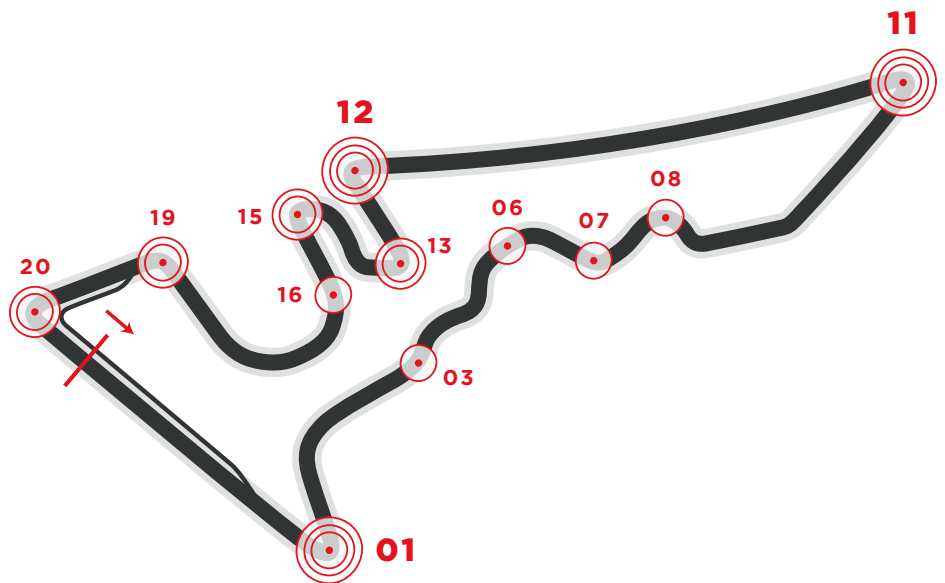
🏁 20

NUMBER OF BRAKE ZONES/LAP

🏍️ 12

IMPORTANT

TURN 12*, **TURN 01*** and **TURN 11*** are considered the most demanding for the braking system.



After a year's absence, MotoGP returns to North America, but the race was previously held in April, so the weather is an unknown factor. The Texan track stands out for difference in height of 41 meters (45 yards) between its lowest and highest points. The consequences for riders who get the braking point wrong are easily imaginable.

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

TURN 01	Initial speed	302	(Km/h)
	Final speed	63	(Km/h)
	Stopping distance	252	(m)
	Braking time	5.5	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.5	(Kg)

TURN 03	Initial speed	200	(Km/h)
	Final speed	164	(Km/h)
	Stopping distance	123	(m)
	Braking time	1.6	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	1	(Kg)

TURN 06	Initial speed	142	(Km/h)
	Final speed	126	(Km/h)
	Stopping distance	55	(m)
	Braking time	1.3	(sec)
	Maximum deceleration	0.5	(g)
	Max force on lever	1.2	(Kg)

TURN 07	Initial speed	151	(Km/h)
	Final speed	121	(Km/h)
	Stopping distance	55	(m)
	Braking time	1.4	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	1.9	(Kg)

TURN 08	Initial speed	147	(Km/h)
	Final speed	101	(Km/h)
	Stopping distance	72	(m)
	Braking time	2.1	(sec)
	Maximum deceleration	0.8	(g)
	Max force on lever	2.5	(Kg)

TURN 11	Initial speed	250	(Km/h)
	Final speed	55	(Km/h)
	Stopping distance	190	(m)
	Braking time	4.8	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.2	(Kg)

TURN 12	Initial speed	339	(Km/h)
	Final speed	66	(Km/h)
	Stopping distance	317	(m)
	Braking time	6.2	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.7	(Kg)

TURN 13	Initial speed	160	(Km/h)
	Final speed	78	(Km/h)
	Stopping distance	99	(m)
	Braking time	3.2	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	3.5	(Kg)

TURN 15	Initial speed	158	(Km/h)
	Final speed	59	(Km/h)
	Stopping distance	93	(m)
	Braking time	3.3	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	3.9	(Kg)

TURN 16	Initial speed	173	(Km/h)
	Final speed	149	(Km/h)
	Stopping distance	59	(m)
	Braking time	1.3	(sec)
	Maximum deceleration	0.6	(g)
	Max force on lever	1.4	(Kg)

TURN 19	Initial speed	197	(Km/h)
	Final speed	116	(Km/h)
	Stopping distance	113	(m)
	Braking time	2.6	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	3.7	(Kg)

TURN 20	Initial speed	198	(Km/h)
	Final speed	74	(Km/h)
	Stopping distance	125	(m)
	Braking time	3.5	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4.7	(Kg)