



# BRAKE CIRCUIT IDENTITY CARD

## CIRCUIT OF THE AMERICAS

Having enjoyed a week's break after the sunny races in Portugal and the rain that marked Sunday's Argentina GP, the MotoGP restarts from Austin, Texas.

The 1,207-metre straight separating turns 11 and 12 allows the braking system to cool down. Marc Marquez right here, 10 years ago, became the youngest winner in the Premier class, snatching the record from Freddie Spencer.

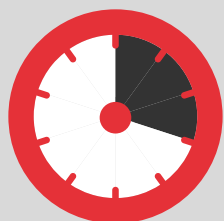
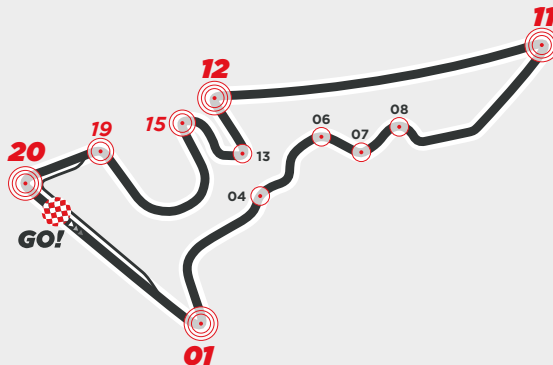
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# MOTO GP

14-16 APR 2023 RED BULL GRAND PRIX OF THE AMERICAS



CIRCUIT LENGTH: **5.513 Km**  
NUMBER OF LAPS: **20**



TIME SPENT BRAKING:  
**30%**

**TURN 12\*, TURN 01\* & TURN 20\***  
ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

BRAKES EFFORT:  
**MEDIUM**



## 11 BRAKE ZONES / LAP

<b>01</b> TURN	Initial Speed (km/h)	304
	Final Speed (km/h)	59
	Stopping Distance (m)	247
	Braking Time (sec)	5.5
	Maximum Deceleration (g)	2.0
	Max Force on Lever (kg)	5.7
	Brake Pressure (bar)	11.0

<b>04</b> TURN	Initial Speed (km/h)	223
	Final Speed (km/h)	151
	Stopping Distance (m)	117
	Braking Time (sec)	2.4
	Maximum Deceleration (g)	0.9
	Max Force on Lever (kg)	2.1
	Brake Pressure (bar)	4.0

<b>06</b> TURN	Initial Speed (km/h)	145
	Final Speed (km/h)	141
	Stopping Distance (m)	34
	Braking Time (sec)	0.8
	Maximum Deceleration (g)	0.7
	Max Force on Lever (kg)	1.0
	Brake Pressure (bar)	2.0

<b>07</b> TURN	Initial Speed (km/h)	150
	Final Speed (km/h)	113
	Stopping Distance (m)	59
	Braking Time (sec)	1.6
	Maximum Deceleration (g)	1.0
	Max Force on Lever (kg)	2.9
	Brake Pressure (bar)	5.5

<b>08</b> TURN	Initial Speed (km/h)	157
	Final Speed (km/h)	103
	Stopping Distance (m)	71
	Braking Time (sec)	2.0
	Maximum Deceleration (g)	1.2
	Max Force on Lever (kg)	3.4
	Brake Pressure (bar)	6.5

<b>11</b> TURN	Initial Speed (km/h)	255
	Final Speed (km/h)	65
	Stopping Distance (m)	212
	Braking Time (sec)	5.3
	Maximum Deceleration (g)	1.9
	Max Force on Lever (kg)	5.2
	Brake Pressure (bar)	10.0

<b>12</b> TURN	Initial Speed (km/h)	337
	Final Speed (km/h)	66
	Stopping Distance (m)	316
	Braking Time (sec)	6.4
	Maximum Deceleration (g)	2.0
	Max Force on Lever (kg)	5.5
	Brake Pressure (bar)	10.5

<b>13</b> TURN	Initial Speed (km/h)	163
	Final Speed (km/h)	85
	Stopping Distance (m)	91
	Braking Time (sec)	2.8
	Maximum Deceleration (g)	1.2
	Max Force on Lever (kg)	3.1
	Brake Pressure (bar)	6.0

<b>15</b> TURN	Initial Speed (km/h)	147
	Final Speed (km/h)	63
	Stopping Distance (m)	98
	Braking Time (sec)	3.3
	Maximum Deceleration (g)	1.3
	Max Force on Lever (kg)	3.9
	Brake Pressure (bar)	7.5

<b>19</b> TURN	Initial Speed (km/h)	188
	Final Speed (km/h)	117
	Stopping Distance (m)	114
	Braking Time (sec)	2.6
	Maximum Deceleration (g)	1.4
	Max Force on Lever (kg)	4.9
	Brake Pressure (bar)	9.5

<b>20</b> TURN	Initial Speed (km/h)	204
	Final Speed (km/h)	81
	Stopping Distance (m)	125
	Braking Time (sec)	3.5
	Maximum Deceleration (g)	1.5
	Max Force on Lever (kg)	6.2
	Brake Pressure (bar)	12.0