

2021 FORMULA 1 HEINEKEN GRANDE PRÊMIO DE SÃO PAULO

brembo 
12-14 NOV 2021

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT

 **MEDIUM**

TIME SPENT BRAKING

 **20%**

CIRCUIT LENGTH

 **4,309 M**

NUMBER OF LAPS

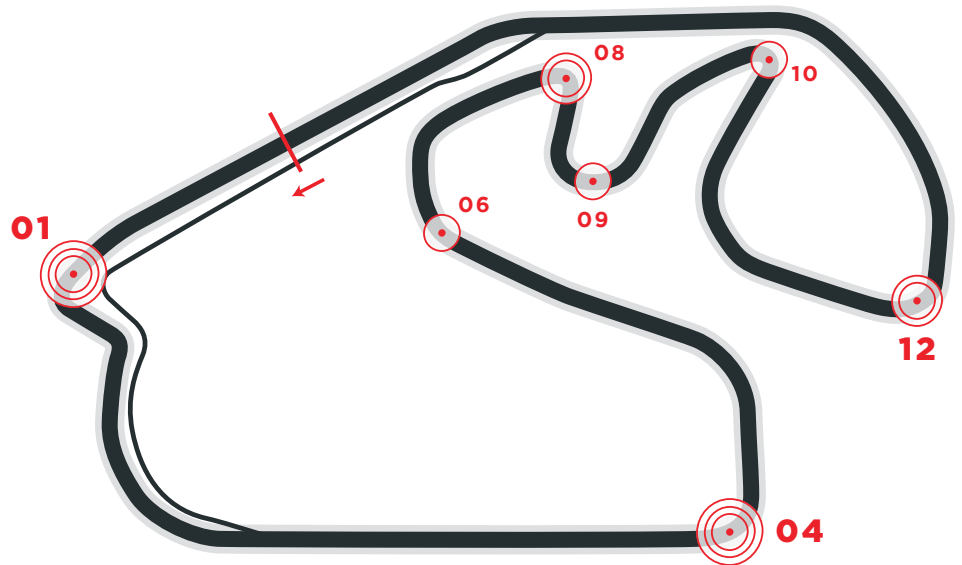
 **71**

NUMBER OF BRAKE ZONES/LAP

 **07**

IMPORTANT

TURN 01*, **TURN 04*** and **TURN 12*** are considered the most demanding for the braking system.



This is a very "driven" track with long, fast turns that translate into not-so-demanding braking sections.

Of the track's 7 braking sections, only two are particularly difficult for the braking system which has plenty of time to cool down despite the fact that the drivers have a foot on the brake pedal for about 20% of the time.

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

| | | | |
|-----------|----------------------|-------------|--------|
| 01 | Initial speed | 359 | (Km/h) |
| | Final speed | 132 | (Km/h) |
| | Stopping distance | 145 | (m) |
| | Braking time | 2.44 | (sec) |
| | Maximum deceleration | 5.8 | (g) |
| | Maximum pedal load | 174 | (Kg) |
| | Braking power | 3234 | (Kw) |

| | | | |
|-----------|----------------------|-------------|--------|
| 04 | Initial speed | 356 | (Km/h) |
| | Final speed | 180 | (Km/h) |
| | Stopping distance | 107 | (m) |
| | Braking time | 1.54 | (sec) |
| | Maximum deceleration | 5.3 | (g) |
| | Maximum pedal load | 104 | (Kg) |
| | Braking power | 2636 | (Kw) |

| | | | |
|-----------|----------------------|-------------|--------|
| 06 | Initial speed | 308 | (Km/h) |
| | Final speed | 216 | (Km/h) |
| | Stopping distance | 129 | (m) |
| | Braking time | 1.77 | (sec) |
| | Maximum deceleration | 1.8 | (g) |
| | Maximum pedal load | 42 | (Kg) |
| | Braking power | 379 | (Kw) |

| | | | |
|-----------|----------------------|-------------|--------|
| 08 | Initial speed | 264 | (Km/h) |
| | Final speed | 100 | (Km/h) |
| | Stopping distance | 106 | (m) |
| | Braking time | 2.36 | (sec) |
| | Maximum deceleration | 3.9 | (g) |
| | Maximum pedal load | 112 | (Kg) |
| | Braking power | 1566 | (Kw) |

| | | | |
|-----------|----------------------|-------------|--------|
| 09 | Initial speed | 152 | (Km/h) |
| | Final speed | 123 | (Km/h) |
| | Stopping distance | 32 | (m) |
| | Braking time | 0.85 | (sec) |
| | Maximum deceleration | 0.9 | (g) |
| | Maximum pedal load | 10 | (Kg) |
| | Braking power | 100 | (Kw) |

| | | | |
|-----------|----------------------|-------------|--------|
| 10 | Initial speed | 248 | (Km/h) |
| | Final speed | 99 | (Km/h) |
| | Stopping distance | 102 | (m) |
| | Braking time | 2.38 | (sec) |
| | Maximum deceleration | 3.3 | (g) |
| | Maximum pedal load | 96 | (Kg) |
| | Braking power | 1235 | (Kw) |

| | | | |
|-----------|----------------------|-------------|--------|
| 12 | Initial speed | 292 | (Km/h) |
| | Final speed | 132 | (Km/h) |
| | Stopping distance | 104 | (m) |
| | Braking time | 2.01 | (sec) |
| | Maximum deceleration | 4.8 | (g) |
| | Maximum pedal load | 118 | (Kg) |
| | Braking power | 1748 | (Kw) |