

# 2021 FORMULA 1 ARAMCO GRAN PREMIO DE ESPAÑA

**brembo**   
07-09 MAY 2021

## BRAKE CIRCUIT IDENTITY CARD

### BRAKES EFFORT

 **MEDIUM**

### TIME SPENT BRAKING

 **19%**

### CIRCUIT LENGTH

 **4,675 M**

### NUMBER OF LAPS

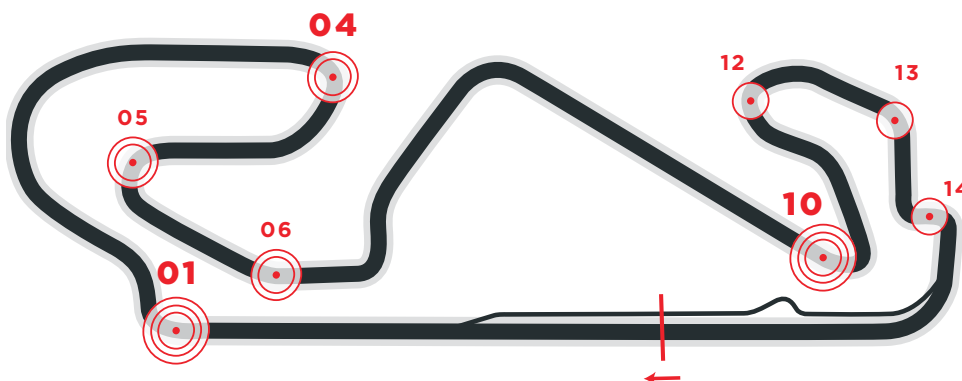
 **66**

### NUMBER OF BRAKE ZONES/LAP

 **08**

### IMPORTANT

**TURN 10\***, **TURN 01\*** and **TURN 04\*** are considered the most demanding for the braking system.



In the past years it has been the most used circuit which is used most for winter testing so the teams and drivers know it quite well. The track's level of grip is always very high and, with about 19% of every lap spent on the brakes, it can be considered a medium demanding track for the brakes. On the other hand, the straight stretches allow efficient heat dissipation between one braking section and the next.

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

<b>TURN 01</b>	Initial speed	<b>329</b>	(Km/h)
	Final speed	<b>146</b>	(Km/h)
	Stopping distance	<b>123</b>	(m)
	Braking time	<b>2.06</b>	(sec)
	Maximum deceleration	<b>5.4</b>	(g)
	Maximum pedal load	<b>139</b>	(Kg)
	Braking power	<b>2266</b>	(Kw)

<b>TURN 04</b>	Initial speed	<b>301</b>	(Km/h)
	Final speed	<b>161</b>	(Km/h)
	Stopping distance	<b>105</b>	(m)
	Braking time	<b>1.77</b>	(sec)
	Maximum deceleration	<b>4.6</b>	(g)
	Maximum pedal load	<b>107</b>	(Kg)
	Braking power	<b>1586</b>	(Kw)

<b>TURN 05</b>	Initial speed	<b>268</b>	(Km/h)
	Final speed	<b>115</b>	(Km/h)
	Stopping distance	<b>92</b>	(m)
	Braking time	<b>1.93</b>	(sec)
	Maximum deceleration	<b>4.2</b>	(g)
	Maximum pedal load	<b>108</b>	(Kg)
	Braking power	<b>1531</b>	(Kw)

<b>TURN 06</b>	Initial speed	<b>281</b>	(Km/h)
	Final speed	<b>166</b>	(Km/h)
	Stopping distance	<b>76</b>	(m)
	Braking time	<b>1.29</b>	(sec)
	Maximum deceleration	<b>4.2</b>	(g)
	Maximum pedal load	<b>72</b>	(Kg)
	Braking power	<b>1276</b>	(Kw)

<b>TURN 10</b>	Initial speed	<b>328</b>	(Km/h)
	Final speed	<b>79</b>	(Km/h)
	Stopping distance	<b>136</b>	(m)
	Braking time	<b>3.04</b>	(sec)
	Maximum deceleration	<b>5.4</b>	(g)
	Maximum pedal load	<b>201</b>	(Kg)
	Braking power	<b>2999</b>	(Kw)

<b>TURN 12</b>	Initial speed	<b>222</b>	(Km/h)
	Final speed	<b>133</b>	(Km/h)
	Stopping distance	<b>69</b>	(m)
	Braking time	<b>1.47</b>	(sec)
	Maximum deceleration	<b>2.8</b>	(g)
	Maximum pedal load	<b>54</b>	(Kg)
	Braking power	<b>644</b>	(Kw)

<b>TURN 13</b>	Initial speed	<b>243</b>	(Km/h)
	Final speed	<b>141</b>	(Km/h)
	Stopping distance	<b>80</b>	(m)
	Braking time	<b>1.61</b>	(sec)
	Maximum deceleration	<b>3.4</b>	(g)
	Maximum pedal load	<b>66</b>	(Kg)
	Braking power	<b>871</b>	(Kw)

<b>TURN 14</b>	Initial speed	<b>182</b>	(Km/h)
	Final speed	<b>92</b>	(Km/h)
	Stopping distance	<b>56</b>	(m)
	Braking time	<b>1.58</b>	(sec)
	Maximum deceleration	<b>2.4</b>	(g)
	Maximum pedal load	<b>50</b>	(Kg)
	Braking power	<b>585</b>	(Kw)