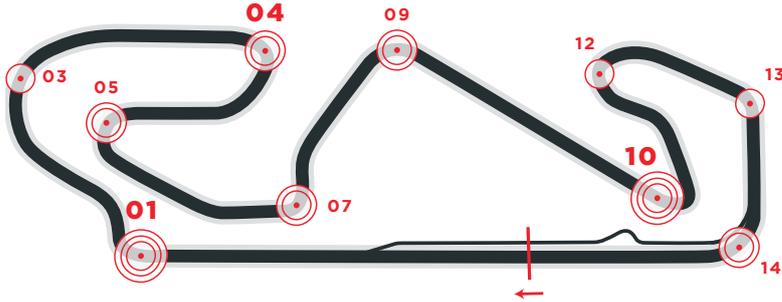




# 2022 MOTOGP GRAN PREMI MONSTER ENERGY DE CATALUNYA



**03-05 JUN 2022**



## BRAKE CIRCUIT IDENTITY CARD

The Barcelona-Catalunya Circuit is a very demanding circuit on brakes.

The brake system is subjected to huge stress on the first corner due to the 1,047 meter (0.6 mi) long straight preceding it. Almost all the other braking episodes are short and close together.

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

**BRAKES EFFORT HARD**

**TIME SPENT BRAKING 34%**

**TURN 01\*, TURN 10\* AND TURN 04\* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM**

**CIRCUIT LENGTH 4.627 M**

**NUMBER OF LAPS 24**

**NUMBER OF BRAKE ZONES/LAP 10**

<b>TURN 01</b>	Initial speed	<b>342</b> (Km/h)
	Final speed	<b>99</b> (Km/h)
	Stopping distance	<b>275</b> (m)
	Braking time	<b>5.6</b> (sec)
	Maximum deceleration	<b>1.5</b> (g)
	Max force on lever	<b>6.4</b> (Kg)

<b>TURN 03</b>	Initial speed	<b>167</b> (Km/h)
	Final speed	<b>146</b> (Km/h)
	Stopping distance	<b>75</b> (m)
	Braking time	<b>1.8</b> (sec)
	Maximum deceleration	<b>0.5</b> (g)
	Max force on lever	<b>0.6</b> (Kg)

<b>TURN 04</b>	Initial speed	<b>240</b> (Km/h)
	Final speed	<b>104</b> (Km/h)
	Stopping distance	<b>179</b> (m)
	Braking time	<b>4.1</b> (sec)
	Maximum deceleration	<b>1.2</b> (g)
	Max force on lever	<b>5</b> (Kg)

<b>TURN 05</b>	Initial speed	<b>192</b> (Km/h)
	Final speed	<b>80</b> (Km/h)
	Stopping distance	<b>137</b> (m)
	Braking time	<b>3.9</b> (sec)
	Maximum deceleration	<b>1.1</b> (g)
	Max force on lever	<b>4.3</b> (Kg)

<b>TURN 07</b>	Initial speed	<b>225</b> (Km/h)
	Final speed	<b>106</b> (Km/h)
	Stopping distance	<b>142</b> (m)
	Braking time	<b>3.3</b> (sec)
	Maximum deceleration	<b>1.2</b> (g)
	Max force on lever	<b>4.5</b> (Kg)

<b>TURN 09</b>	Initial speed	<b>208</b> (Km/h)
	Final speed	<b>133</b> (Km/h)
	Stopping distance	<b>122</b> (m)
	Braking time	<b>2.7</b> (sec)
	Maximum deceleration	<b>1</b> (g)
	Max force on lever	<b>3.7</b> (Kg)

<b>TURN 10</b>	Initial speed	<b>272</b> (Km/h)
	Final speed	<b>83</b> (Km/h)
	Stopping distance	<b>230</b> (m)
	Braking time	<b>5.3</b> (sec)
	Maximum deceleration	<b>1.4</b> (g)
	Max force on lever	<b>5.7</b> (Kg)

<b>TURN 12</b>	Initial speed	<b>159</b> (Km/h)
	Final speed	<b>97</b> (Km/h)
	Stopping distance	<b>93</b> (m)
	Braking time	<b>2.7</b> (sec)
	Maximum deceleration	<b>0.9</b> (g)
	Max force on lever	<b>2.9</b> (Kg)

<b>TURN 13</b>	Initial speed	<b>178</b> (Km/h)
	Final speed	<b>144</b> (Km/h)
	Stopping distance	<b>85</b> (m)
	Braking time	<b>1.9</b> (sec)
	Maximum deceleration	<b>0.8</b> (g)
	Max force on lever	<b>2.6</b> (Kg)

<b>TURN 14</b>	Initial speed	<b>194</b> (Km/h)
	Final speed	<b>135</b> (Km/h)
	Stopping distance	<b>109</b> (m)
	Braking time	<b>2.4</b> (sec)
	Maximum deceleration	<b>1</b> (g)
	Max force on lever	<b>3.8</b> (Kg)