TISSOT ARAGÓN ROUND

Spain 27th September - 29th September 2024

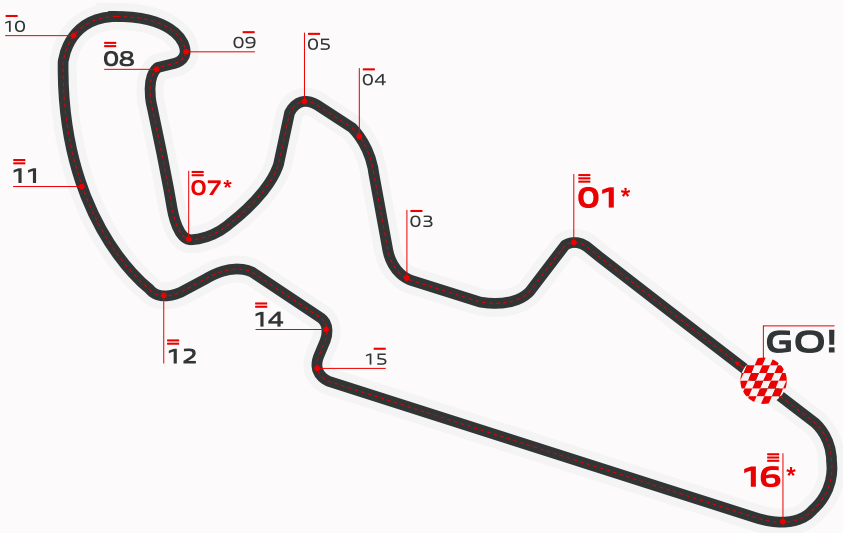
BRAKE CIRCUIT IDENTITY CARD

10 MOTORLAND ARAGON

5,077 m / 18 laps

The Spanish track stands out for having eight of 17 curves where the travelling speed not exceeding 100 Km/h (62 mph) yet the use of the brakes remains high.

The series of quick braking sections on the first stretch of the track puts a great deal of force on the bikes' steel discs, which have a tough time cooling down.



TIME SPENT BRAKING

31%

BRAKES EFFORT

4/5 HARD

* **Turn 01**, **Turn 16** & **Turn 07** are considered the most demanding for the braking system.

TURN 01 *

Initial Speed km/h	275
Final Speed km/h	87
Stopping Distance m	211
Braking Time sec	4.3
Maximum Deceleration g	1.4
Max Force on Lever kg	4.7
Brake Pressure bar	10.1

TURN 03

Initial Speed km/h	205
Final Speed km/h	161
Stopping Distance m	93
Braking Time sec	1.8
Maximum Deceleration g	0.7
Max Force on Lever kg	1.4
Brake Pressure bar	3.0

TURN 04

Initial Speed km/h	205
Final Speed km/h	173
Stopping Distance m	80
Braking Time sec	1.5
Maximum Deceleration g	0.7
Max Force on Lever kg	0.7
Brake Pressure bar	1.4

TURN 05

Initial Speed km/h	164
Final Speed km/h	85
Stopping Distance m	100
Braking Time sec	2.8
Maximum Deceleration g	1.0
Max Force on Lever kg	2.8
Brake Pressure bar	6.0

TURN 07 *

Initial Speed km/h	200
Final Speed km/h	86
Stopping Distance m	127
Braking Time sec	3.3
Maximum Deceleration g	1.3
Max Force on Lever kg	4.9
Brake Pressure bar	10.6

TURN 08

Initial Speed km/h	212
Final Speed km/h	97
Stopping Distance m	138
Braking Time sec	3.3
Maximum Deceleration g	1.2
Max Force on Lever kg	4.1
Brake Pressure bar	8.8

TURN 09

Initial Speed km/h	97
Final Speed km/h	69
Stopping Distance m	43
Braking Time sec	1.8
Maximum Deceleration g	0.7
Max Force on Lever kg	1.8
Brake Pressure bar	3.8

TURN 10

Initial Speed km/h	166
Final Speed km/h	146
Stopping Distance m	54
Braking Time sec	1.2
Maximum Deceleration g	0.5
Max Force on Lever kg	0.1
Brake Pressure bar	0.2

TURN 11

Initial Speed km/h	258
Final Speed km/h	232
Stopping Distance m	50
Braking Time sec	0.7
Maximum Deceleration g	1.2
Max Force on Lever kg	2.9
Brake Pressure bar	6.3

TURN 12

Initial Speed km/h	227
Final Speed km/h	91
Stopping Distance m	154
Braking Time sec	3.6
Maximum Deceleration g	1.3
Max Force on Lever kg	3.9
Brake Pressure bar	8.4

TURN 14

Initial Speed km/h	181
Final Speed km/h	87
Stopping Distance m	120
Braking Time sec	3.2
Maximum Deceleration g	1.1
Max Force on Lever kg	3.8
Brake Pressure bar	8.2

TURN 15

Initial Speed km/h	102
Final Speed km/h	73
Stopping Distance m	41
Braking Time sec	1.6
Maximum Deceleration g	0.8
Max Force on Lever kg	2.0
Brake Pressure bar	4.2

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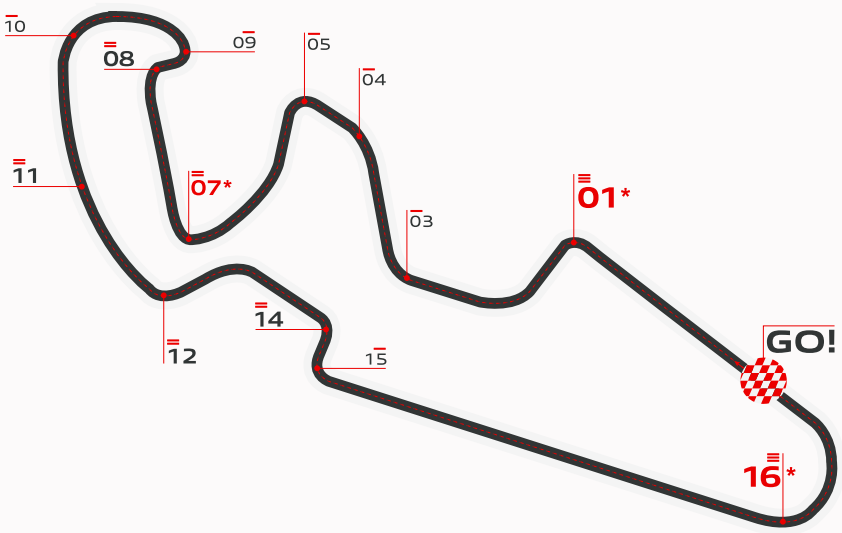

*

TURN
16

Initial Speed km/h	317
Final Speed km/h	140
Stopping Distance m	244
Braking Time sec	4.0
Maximum Deceleration g	1.5
Max Force on Lever kg	4.0
Brake Pressure bar	8.6