



BRAKE CIRCUIT IDENTITY CARD

CIRCUIT RICARDO TOMO

This is a track that is run anticlockwise, characterized by tight curves and short straight stretches where many low gears are used.

It is an average demanding track for the braking system where the greatest hidden dangers are caused precisely by the difficulty of cooling the brakes because of the short straight stretches.

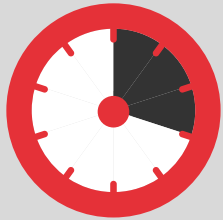
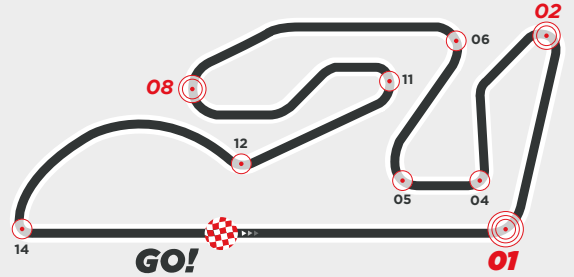
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MOTO GP

24-26 NOV 2023 @ GRAN PREMIO MOTUL DE LA
COMUNITAT VALENCIANA



CIRCUIT LENGTH: **4.005 Km**
NUMBER OF LAPS: **27**



TIME SPENT BRAKING:
32%

**TURN 01*, TURN 08*
& TURN 02***
ARE CONSIDERED THE
MOST DEMANDING FOR THE
BRAKING SYSTEM

BRAKES EFFORT:
MEDIUM



09 BRAKE ZONES / LAP

01 TURN	Initial Speed (km/h)	326
	Final Speed (km/h)	122
	Stopping Distance (m)	226
	Braking Time (sec)	3.8
	Maximum Deceleration (g)	2.0
	Max Force on Lever (kg)	6.2
	Brake Pressure (bar)	12.0

02 TURN	Initial Speed (km/h)	228
	Final Speed (km/h)	75
	Stopping Distance (m)	155
	Braking Time (sec)	4.0
	Maximum Deceleration (g)	1.5
	Max Force on Lever (kg)	5.2
	Brake Pressure (bar)	10.0

04 TURN	Initial Speed (km/h)	167
	Final Speed (km/h)	101
	Stopping Distance (m)	86
	Braking Time (sec)	2.4
	Maximum Deceleration (g)	1.2
	Max Force on Lever (kg)	4.2
	Brake Pressure (bar)	8.0

05 TURN	Initial Speed (km/h)	148
	Final Speed (km/h)	97
	Stopping Distance (m)	52
	Braking Time (sec)	1.5
	Maximum Deceleration (g)	1.0
	Max Force on Lever (kg)	3.1
	Brake Pressure (bar)	6.0

06 TURN	Initial Speed (km/h)	193
	Final Speed (km/h)	98
	Stopping Distance (m)	102
	Braking Time (sec)	2.7
	Maximum Deceleration (g)	1.4
	Max Force on Lever (kg)	4.7
	Brake Pressure (bar)	9.0

08 TURN	Initial Speed (km/h)	251
	Final Speed (km/h)	90
	Stopping Distance (m)	197
	Braking Time (sec)	4.5
	Maximum Deceleration (g)	1.7
	Max Force on Lever (kg)	4.2
	Brake Pressure (bar)	8.0

11 TURN	Initial Speed (km/h)	167
	Final Speed (km/h)	100
	Stopping Distance (m)	123
	Braking Time (sec)	3.4
	Maximum Deceleration (g)	1.1
	Max Force on Lever (kg)	3.1
	Brake Pressure (bar)	6.0

12 TURN	Initial Speed (km/h)	221
	Final Speed (km/h)	127
	Stopping Distance (m)	111
	Braking Time (sec)	2.4
	Maximum Deceleration (g)	1.4
	Max Force on Lever (kg)	5.2
	Brake Pressure (bar)	10.0

14 TURN	Initial Speed (km/h)	198
	Final Speed (km/h)	86
	Stopping Distance (m)	141
	Braking Time (sec)	3.8
	Maximum Deceleration (g)	1.2
	Max Force on Lever (kg)	3.6
	Brake Pressure (bar)	7.0