



BRAKE CIRCUIT IDENTITY CARD

AUTODROMO INTERNACIONAL DO ALGARVE

After 16 World Championships that started in Qatar, the first race of the MotoGP is back to be held in Europe. The constant ups and downs make it difficult for riders to calibrate their braking, with the risk of going too long on the downhill sections or braking too early on the uphill sections. As such, it is crucial to ensure that the bike is equipped with a good master cylinder, and to adjust this according to individual requirements.

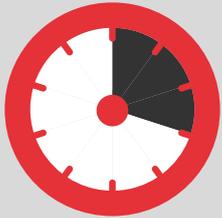
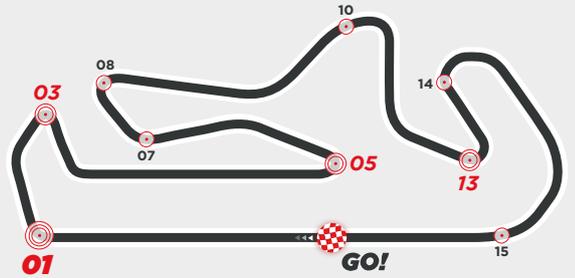
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MOTO GP

24-26 MAR 2023 @ GRANDE PRÉMIO DE PORTUGAL



CIRCUIT LENGTH: **4.592 Km**
NUMBER OF LAPS: **25**



TIME SPENT BRAKING:
32%

TURN 01*, TURN 05* & TURN 03*
ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

BRAKES EFFORT:
MEDIUM



09 BRAKE ZONES / LAP

01 TURN	Initial Speed (km/h)	341
	Final Speed (km/h)	122
	Stopping Distance (m)	338
	Braking Time (sec)	5.5
	Maximum Deceleration (g)	1.6
	Max Force on Lever (kg)	6.8
	Brake Pressure (bar)	13

03 TURN	Initial Speed (km/h)	171
	Final Speed (km/h)	66
	Stopping Distance (m)	116
	Braking Time (sec)	3.6
	Maximum Deceleration (g)	1.1
	Max Force on Lever (kg)	4.2
	Brake Pressure (bar)	8

05 TURN	Initial Speed (km/h)	272
	Final Speed (km/h)	75
	Stopping Distance (m)	230
	Braking Time (sec)	5.6
	Maximum Deceleration (g)	1.4
	Max Force on Lever (kg)	4.7
	Brake Pressure (bar)	9

07 TURN	Initial Speed (km/h)	188
	Final Speed (km/h)	147
	Stopping Distance (m)	125
	Braking Time (sec)	2.6
	Maximum Deceleration (g)	0.9
	Max Force on Lever (kg)	2.6
	Brake Pressure (bar)	5

08 TURN	Initial Speed (km/h)	141
	Final Speed (km/h)	70
	Stopping Distance (m)	72
	Braking Time (sec)	2.4
	Maximum Deceleration (g)	0.9
	Max Force on Lever (kg)	3.4
	Brake Pressure (bar)	6.5

10 TURN	Initial Speed (km/h)	207
	Final Speed (km/h)	81
	Stopping Distance (m)	179
	Braking Time (sec)	4.5
	Maximum Deceleration (g)	1.0
	Max Force on Lever (kg)	3.1
	Brake Pressure (bar)	6

13 TURN	Initial Speed (km/h)	182
	Final Speed (km/h)	70
	Stopping Distance (m)	116
	Braking Time (sec)	3.5
	Maximum Deceleration (g)	1.2
	Max Force on Lever (kg)	4.4
	Brake Pressure (bar)	8.5

14 TURN	Initial Speed (km/h)	134
	Final Speed (km/h)	95
	Stopping Distance (m)	78
	Braking Time (sec)	2.4
	Maximum Deceleration (g)	0.9
	Max Force on Lever (kg)	2.3
	Brake Pressure (bar)	4.5

15 TURN	Initial Speed (km/h)	219
	Final Speed (km/h)	163
	Stopping Distance (m)	100
	Braking Time (sec)	1.9
	Maximum Deceleration (g)	1.0
	Max Force on Lever (kg)	2.6
	Brake Pressure (bar)	5