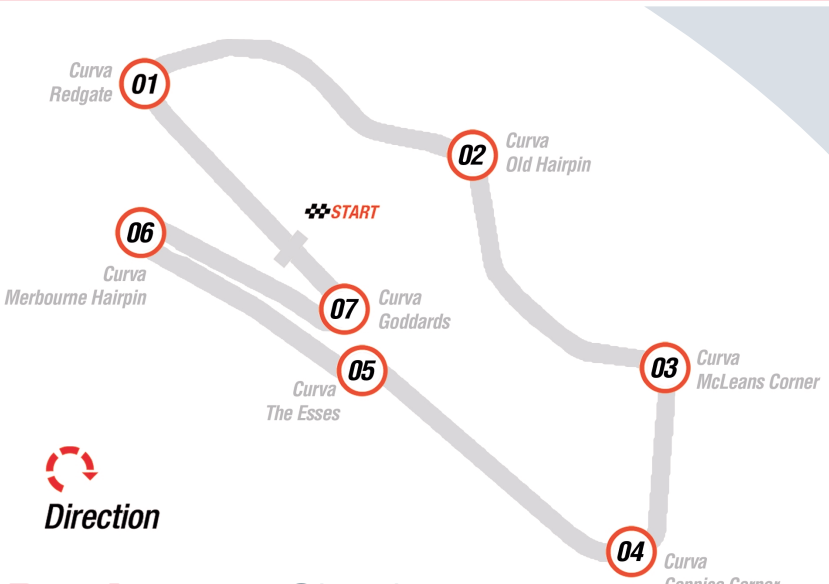
brembo

Circuits Identity Card | Moto GP

Great Britain | Donington

24/07/2005



Donington Circuit

TECHNICAL OUTLINE

Length: **4.023 m**

Number of laps: **30**

Type of circuit: **Heavy**

Number of brakings: **7**

Pole 2004: **V.Rossi 1.28.720**

Time spent under braking per lap, season 2004: **28%**

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

One of the hardest circuits for braking systems. Although individual brakings are not particularly hard, there is a series of medium-energy brakings that prevent the brakes from cooling adequately. There are frequent climate changes requiring either carbon and stainless steel braking systems.

BRAKING ANALYSIS

01 BRAKING

	SEASON DATA 2004	
Initial speed	270	[Km/h]
Final speed	110	[Km/h]
Stopping distance	190	[m]
Braking time	3.9	[sec]
Maximum deceleration	1.3	[g]
Maximum force on lever	5.5	[Kg]

02 BRAKING

	SEASON DATA 2004	
Initial speed	210	[Km/h]
Final speed	130	[Km/h]
Stopping distance	110	[m]
Braking time	2.5	[sec]
Maximum deceleration	1.1	[g]
Maximum force on lever	4.7	[Kg]

03 BRAKING

	SEASON DATA 2004	
Initial speed	200	[Km/h]
Final speed	120	[Km/h]
Stopping distance	90	[m]
Braking time	2.1	[sec]
Maximum deceleration	1.1	[g]
Maximum force on lever	4.7	[Kg]

04 BRAKING

	SEASON DATA 2004	
Initial speed	205	[Km/h]
Final speed	125	[Km/h]
Stopping distance	100	[m]
Braking time	2.3	[sec]
Maximum deceleration	1.3	[g]
Maximum force on lever	5.7	[Kg]

05 BRAKING

	SEASON DATA 2004	
Initial speed	280	[Km/h]
Final speed	95	[Km/h]
Stopping distance	230	[m]
Braking time	5.3	[sec]
Maximum deceleration	1.3	[g]
Maximum force on lever	5.2	[Kg]

06 BRAKING

	SEASON DATA 2004	
Initial speed	225	[Km/h]
Final speed	65	[Km/h]
Stopping distance	175	[m]
Braking time	5.0	[sec]
Maximum deceleration	1.3	[g]
Maximum force on lever	5.2	[Kg]

07 BRAKING

	SEASON DATA 2004	
Initial speed	205	[Km/h]
Final speed	70	[Km/h]
Stopping distance	165	[m]
Braking time	4.5	[sec]
Maximum deceleration	1.3	[g]
Maximum force on lever	5.5	[Kg]