

2021 FORMULA 1 ROLEX BELGIAN GRAND PRIX

brembo 
27-29 AUG 2021

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT

 **HARD**

TIME SPENT BRAKING

 **13%**

CIRCUIT LENGTH

 **7,004 M**

NUMBER OF LAPS

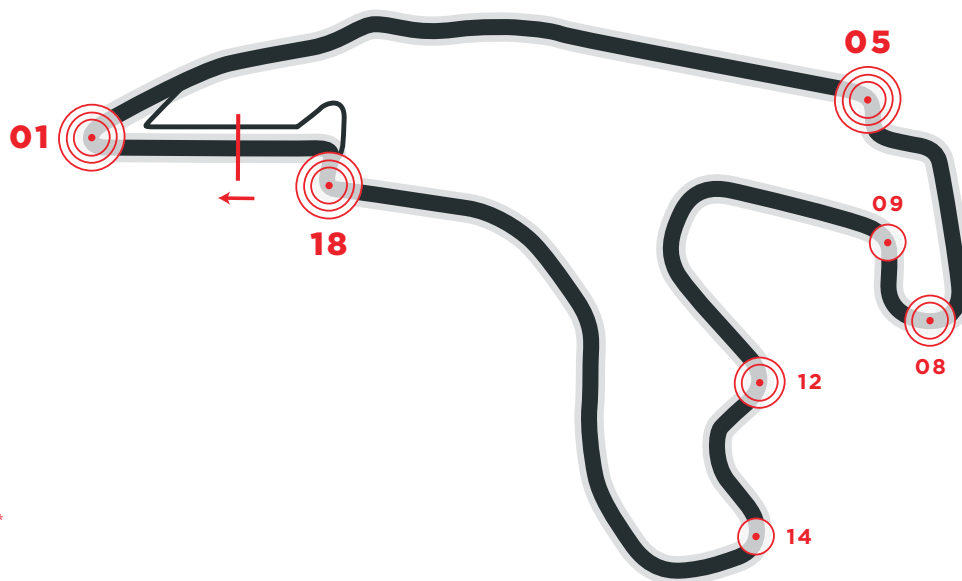
 **44**

NUMBER OF BRAKE ZONES/LAP

 **07**

IMPORTANT

TURN 18*, **TURN 01*** and **TURN 05*** are considered the most demanding for the braking system.



At just over seven kilometres, this is the longest track of the season.

Despite the presence of two braking sections (the "Les Combes" at the end of the Kemmel straight lines and the "Bus stop" chicane right before the finish line) which are characterised by extremely high energy forces, the rest of the track is rather light on the braking system because it is characterised by fast turns that translate into not-so-demanding braking and ensure excellent cooling of the system itself. Especially in adverse weather conditions, a situation which is quite common in this region, problems connected to excessive cooling can occur.

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

TURN 01	Initial speed	311	(Km/h)
	Final speed	86	(Km/h)
	Stopping distance	120	(m)
	Braking time	2.57	(sec)
	Maximum deceleration	5.4	(g)
	Maximum pedal load	174	(Kg)
	Braking power	2507	(Kw)

TURN 05	Initial speed	339	(Km/h)
	Final speed	168	(Km/h)
	Stopping distance	122	(m)
	Braking time	1.88	(sec)
	Maximum deceleration	4.8	(g)
	Maximum pedal load	124	(Kg)
	Braking power	2143	(Kw)

TURN 08	Initial speed	292	(Km/h)
	Final speed	123	(Km/h)
	Stopping distance	127	(m)
	Braking time	2.50	(sec)
	Maximum deceleration	4.6	(g)
	Maximum pedal load	143	(Kg)
	Braking power	1752	(Kw)

TURN 09	Initial speed	232	(Km/h)
	Final speed	201	(Km/h)
	Stopping distance	30	(m)
	Braking time	0.51	(sec)
	Maximum deceleration	0.9	(g)
	Maximum pedal load	6	(Kg)
	Braking power	81	(Kw)

TURN 12	Initial speed	314	(Km/h)
	Final speed	187	(Km/h)
	Stopping distance	114	(m)
	Braking time	1.73	(sec)
	Maximum deceleration	4.2	(g)
	Maximum pedal load	93	(Kg)
	Braking power	1338	(Kw)

TURN 14	Initial speed	277	(Km/h)
	Final speed	168	(Km/h)
	Stopping distance	79	(m)
	Braking time	1.36	(sec)
	Maximum deceleration	4.1	(g)
	Maximum pedal load	68	(Kg)
	Braking power	1160	(Kw)

TURN 18	Initial speed	333	(Km/h)
	Final speed	92	(Km/h)
	Stopping distance	134	(m)
	Braking time	2.78	(sec)
	Maximum deceleration	5.9	(g)
	Maximum pedal load	207	(Kg)
	Braking power	2889	(Kw)