

2021 FORMULA 1 AZERBAIJAN GRAND PRIX

brembo 
04-06 JUN 2021

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT

 **HARD**

TIME SPENT BRAKING

 **19%**

CIRCUIT LENGTH

 **6,003 M**

NUMBER OF LAPS

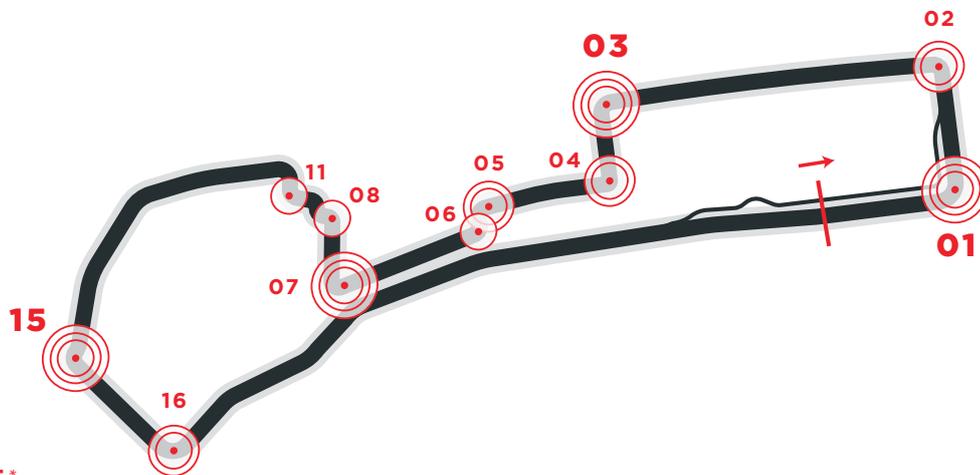
 **51**

NUMBER OF BRAKE ZONES/LAP

 **11**

IMPORTANT

TURN 01*, **TURN 03*** and **TURN 15*** are considered the most demanding for the braking system.



The track winds along the most scenic roads of Baku. After the first 4 right angle curves, the track becomes more perilous and has a total of 11 braking points per lap. Overall the circuit is highly demanding on the brakes and all the teams will have to pay close attention to the temperature of the brake discs and calipers. As this is a street track, freshly asphalted in certain sections, the surface will progressively be rubberised, which implies an increase in deceleration and increase demands on the brakes in terms of temperature and wear.

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

01	Initial speed	334	(Km/h)
	Final speed	125	(Km/h)
	Stopping distance	107	(m)
	Braking time	1.85	(sec)
	Maximum deceleration	5.5	(g)
	Maximum pedal load	131	(Kg)
	Braking power	2891	(Kw)

02	Initial speed	272	(Km/h)
	Final speed	95	(Km/h)
	Stopping distance	88	(m)
	Braking time	1.96	(sec)
	Maximum deceleration	4.6	(g)
	Maximum pedal load	110	(Kg)
	Braking power	1857	(Kw)

03	Initial speed	319	(Km/h)
	Final speed	100	(Km/h)
	Stopping distance	113	(m)
	Braking time	2.26	(sec)
	Maximum deceleration	4.7	(g)
	Maximum pedal load	140	(Kg)
	Braking power	2616	(Kw)

04	Initial speed	227	(Km/h)
	Final speed	91	(Km/h)
	Stopping distance	72	(m)
	Braking time	1.82	(sec)
	Maximum deceleration	3.5	(g)
	Maximum pedal load	86	(Kg)
	Braking power	1172	(Kw)

05	Initial speed	267	(Km/h)
	Final speed	105	(Km/h)
	Stopping distance	97	(m)
	Braking time	2.14	(sec)
	Maximum deceleration	4.2	(g)
	Maximum pedal load	116	(Kg)
	Braking power	1553	(Kw)

06	Initial speed	111	(Km/h)
	Final speed	93	(Km/h)
	Stopping distance	13	(m)
	Braking time	0.45	(sec)
	Maximum deceleration	1.1	(g)
	Maximum pedal load	6	(Kg)
	Braking power	53	(Kw)

07	Initial speed	275	(Km/h)
	Final speed	78	(Km/h)
	Stopping distance	103	(m)
	Braking time	2.44	(sec)
	Maximum deceleration	4.0	(g)
	Maximum pedal load	125	(Kg)
	Braking power	1878	(Kw)

08	Initial speed	215	(Km/h)
	Final speed	104	(Km/h)
	Stopping distance	59	(m)
	Braking time	1.44	(sec)
	Maximum deceleration	3.5	(g)
	Maximum pedal load	64	(Kg)
	Braking power	962	(Kw)

11	Initial speed	144	(Km/h)
	Final speed	101	(Km/h)
	Stopping distance	27	(m)
	Braking time	0.80	(sec)
	Maximum deceleration	1.6	(g)
	Maximum pedal load	16	(Kg)
	Braking power	188	(Kw)

15	Initial speed	315	(Km/h)
	Final speed	87	(Km/h)
	Stopping distance	133	(m)
	Braking time	2.84	(sec)
	Maximum deceleration	4.8	(g)
	Maximum pedal load	166	(Kg)
	Braking power	2478	(Kw)

16	Initial speed	275	(Km/h)
	Final speed	123	(Km/h)
	Stopping distance	93	(m)
	Braking time	1.86	(sec)
	Maximum deceleration	3.8	(g)
	Maximum pedal load	88	(Kg)
	Braking power	1586	(Kw)