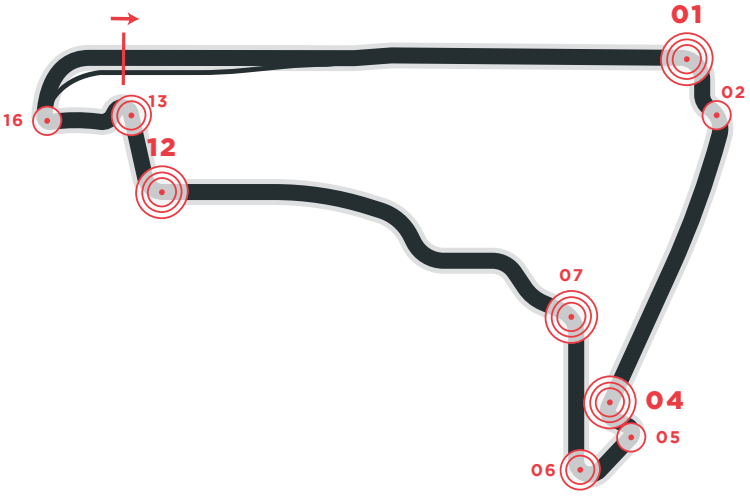
2022 FORMULA 1
GRAN PREMIO DE LA CIUDAD DE MÉXICO

28-30 OCT 2022



BRAKE CIRCUIT IDENTITY CARD

The layout of the Mexico City track, along with the high altitude, imply very high temperature conditions for discs and pads, making the circuit one of the most critical in terms of temperature management.
The engines in the single-seaters, being turbocharged, do not suffer from the altitude, guaranteeing the same performance as at sea level, whereas the air used to cool the brakes is decidedly less efficient due to the lower density.

BRAKES EFFORT HARD

TIME SPENT BRAKING 20%

TURN 01*, TURN 04* AND TURN 12* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

CIRCUIT LENGTH 4.304 M | **NUMBER OF LAPS** 71 | **NUMBER OF BRAKE ZONES/LAP** 09

TURN 01			
Initial speed	351	(Km/h)	
Final speed	113	(Km/h)	
Stopping distance	142	(m)	
Braking time	2.61	(sec)	
Maximum deceleration	4.5	(g)	
Maximum pedal load	138	(Kg)	
Braking power	2553	(Kw)	

TURN 02			
Initial speed	132	(Km/h)	
Final speed	99	(Km/h)	
Stopping distance	26	(m)	
Braking time	0.82	(sec)	
Maximum deceleration	2.1	(g)	
Maximum pedal load	71	(Kg)	
Braking power	414	(Kw)	

TURN 04			
Initial speed	316	(Km/h)	
Final speed	91	(Km/h)	
Stopping distance	126	(m)	
Braking time	2.59	(sec)	
Maximum deceleration	4.5	(g)	
Maximum pedal load	138	(Kg)	
Braking power	2451	(Kw)	

TURN 05			
Initial speed	170	(Km/h)	
Final speed	82	(Km/h)	
Stopping distance	56	(m)	
Braking time	1.75	(sec)	
Maximum deceleration	2.7	(g)	
Maximum pedal load	90	(Kg)	
Braking power	767	(Kw)	

TURN 06			
Initial speed	259	(Km/h)	
Final speed	172	(Km/h)	
Stopping distance	65	(m)	
Braking time	1.14	(sec)	
Maximum deceleration	3.9	(g)	
Maximum pedal load	124	(Kg)	
Braking power	1776	(Kw)	

TURN 07			
Initial speed	257	(Km/h)	
Final speed	163	(Km/h)	
Stopping distance	76	(m)	
Braking time	1.37	(sec)	
Maximum deceleration	4.0	(g)	
Maximum pedal load	129	(Kg)	
Braking power	1835	(Kw)	

TURN 12			
Initial speed	314	(Km/h)	
Final speed	137	(Km/h)	
Stopping distance	112	(m)	
Braking time	1.96	(sec)	
Maximum deceleration	4.4	(g)	
Maximum pedal load	134	(Kg)	
Braking power	2303	(Kw)	

TURN 13			
Initial speed	190	(Km/h)	
Final speed	70	(Km/h)	
Stopping distance	71	(m)	
Braking time	2.10	(sec)	
Maximum deceleration	3.1	(g)	
Maximum pedal load	103	(Kg)	
Braking power	1064	(Kw)	

TURN 16			
Initial speed	170	(Km/h)	
Final speed	97	(Km/h)	
Stopping distance	49	(m)	
Braking time	1.39	(sec)	
Maximum deceleration	2.6	(g)	
Maximum pedal load	88	(Kg)	
Braking power	712	(Kw)	