

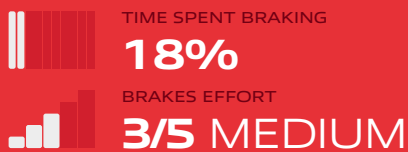
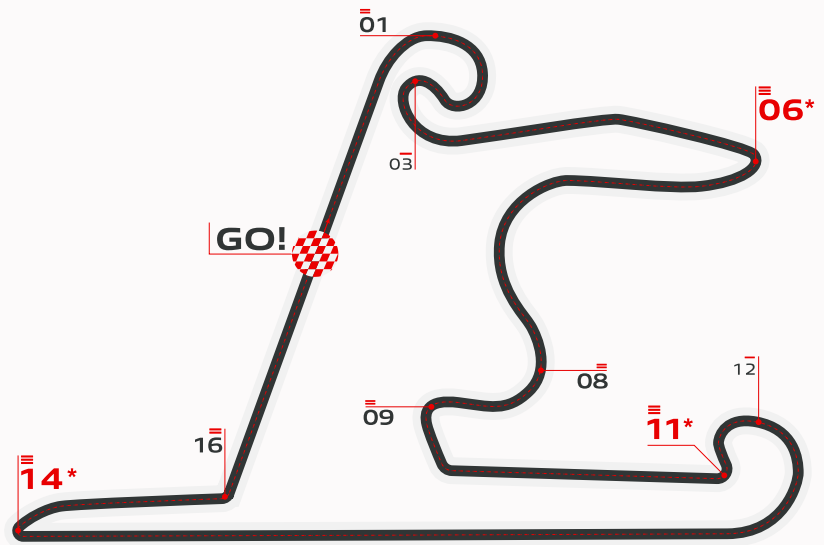
BRAKE CIRCUIT IDENTITY CARD

05 SHANGHAI INTERNATIONAL CIRCUIT

5,451 m / 56 laps

Formula 1 returns to Shanghai, where it has been missing since 2019. This year marks the 20th anniversary of the first GP in China: designed by architects Hermann Tilke and Peter Wahl, the facility was in fact inaugurated in 2004.

The circuit is characterized by a 1.2 km straight that separates turns 13 and 14 and is one of the longest in the World Championship.



* Turn 14, Turn 11 & Turn 06 are considered the most demanding for the braking system.

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

TURN 01

Initial Speed km/h	307
Final Speed km/h	106
Stopping Distance m	253
Braking Time sec	4.91
Maximum Deceleration g	1.7
Maximum Pedal Load kg	22
Braking Power kW	245

TURN 03

Initial Speed km/h	134
Final Speed km/h	93
Stopping Distance m	32
Braking Time sec	1.02
Maximum Deceleration g	2.4
Maximum Pedal Load kg	88
Braking Power kW	548

TURN 06*

Initial Speed km/h	283
Final Speed km/h	88
Stopping Distance m	90
Braking Time sec	2.08
Maximum Deceleration g	4.7
Maximum Pedal Load kg	175
Braking Power kW	2338

TURN 08

Initial Speed km/h	266
Final Speed km/h	208
Stopping Distance m	63
Braking Time sec	0.95
Maximum Deceleration g	3.0
Maximum Pedal Load kg	76
Braking Power kW	1035

TURN 09

Initial Speed km/h	216
Final Speed km/h	137
Stopping Distance m	60
Braking Time sec	1.37
Maximum Deceleration g	3.9
Maximum Pedal Load kg	152
Braking Power kW	1426

TURN 11*

Initial Speed km/h	274
Final Speed km/h	86
Stopping Distance m	89
Braking Time sec	2.03
Maximum Deceleration g	4.7
Maximum Pedal Load kg	175
Braking Power kW	2353

TURN 12

Initial Speed km/h	140
Final Speed km/h	120
Stopping Distance m	19
Braking Time sec	0.54
Maximum Deceleration g	2.2
Maximum Pedal Load kg	71
Braking Power kW	440

TURN 14*

Initial Speed km/h	318
Final Speed km/h	72
Stopping Distance m	113
Braking Time sec	2.66
Maximum Deceleration g	4.7
Maximum Pedal Load kg	174
Braking Power kW	2450

TURN 16

Initial Speed km/h	250
Final Speed km/h	157
Stopping Distance m	59
Braking Time sec	1.06
Maximum Deceleration g	4.1
Maximum Pedal Load kg	149
Braking Power kW	1838