

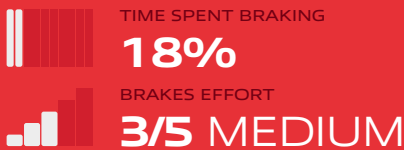
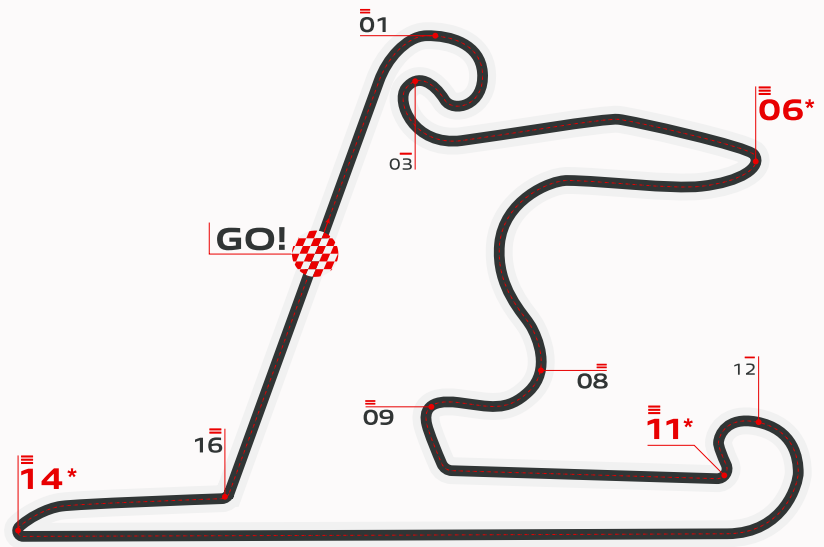
BRAKE CIRCUIT IDENTITY CARD

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
	Max Force on Lever 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
	Max Force on Lever 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
	Max Force on Lever 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
	Max Force on Lever 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
	Max Force on Lever 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
	Max Force on Lever 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
	Max Force on Lever 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
	Max Force on Lever 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
	Max Force on Lever kg	149
	Braking Power kW	1838