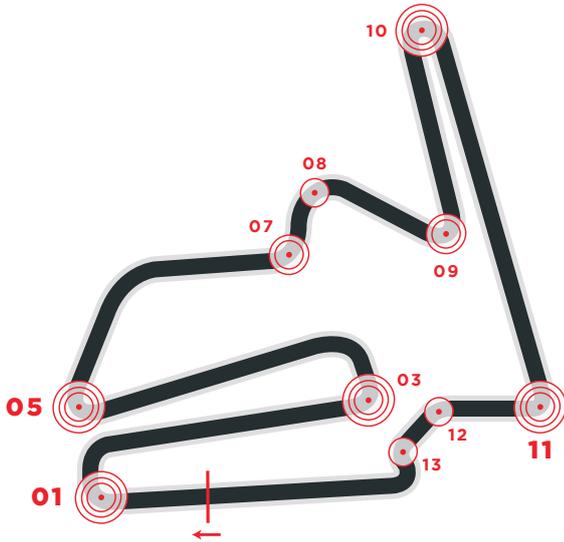




23-25 SEP 2022



BRAKE CIRCUIT IDENTITY CARD

The Japanese circuit, called "Twin Ring", has few fast curves and many slow curves, broken up by medium length straight stretches.

It is maybe the most demanding circuit on brakes because of both the abundance of curves from second gear which intensely engage the brakes and the difficulty in cooling the brakes between one cut out and another.

The perfect base, furthermore, offers a good level of grip which improves the ability to download to ground the braking torque and as a result the stress to which the brakes are subjected.

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

BRAKES EFFORT VERY HARD

TIME SPENT BRAKING 33%

TURN 11*, TURN 05* AND TURN 01* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

CIRCUIT LENGTH 4.801 M

NUMBER OF LAPS 24

NUMBER OF BRAKE ZONES/LAP 10

TURN 01	Initial speed	288	(Km/h)
	Final speed	90	(Km/h)
	Stopping distance	228	(m)
	Braking time	5	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.3	(Kg)

TURN 03	Initial speed	278	(Km/h)
	Final speed	88	(Km/h)
	Stopping distance	194	(m)
	Braking time	4.2	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.4	(Kg)

TURN 05	Initial speed	275	(Km/h)
	Final speed	75	(Km/h)
	Stopping distance	204	(m)
	Braking time	4.7	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.6	(Kg)

TURN 07	Initial speed	226	(Km/h)
	Final speed	121	(Km/h)
	Stopping distance	130	(m)
	Braking time	2.8	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	3.5	(Kg)

TURN 08	Initial speed	137	(Km/h)
	Final speed	113	(Km/h)
	Stopping distance	39	(m)
	Braking time	1.1	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	1.5	(Kg)

TURN 09	Initial speed	189	(Km/h)
	Final speed	76	(Km/h)
	Stopping distance	112	(m)
	Braking time	3.2	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4.1	(Kg)

TURN 10	Initial speed	234	(Km/h)
	Final speed	66	(Km/h)
	Stopping distance	164	(m)
	Braking time	4.4	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	4.8	(Kg)

TURN 11	Initial speed	311	(Km/h)
	Final speed	81	(Km/h)
	Stopping distance	253	(m)
	Braking time	5.3	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	6.2	(Kg)

TURN 12	Initial speed	176	(Km/h)
	Final speed	148	(Km/h)
	Stopping distance	57	(m)
	Braking time	1.3	(sec)
	Maximum deceleration	0.6	(g)
	Max force on lever	0.6	(Kg)

TURN 10	Initial speed	147	(Km/h)
	Final speed	98	(Km/h)
	Stopping distance	91	(m)
	Braking time	2.2	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	2.5	(Kg)