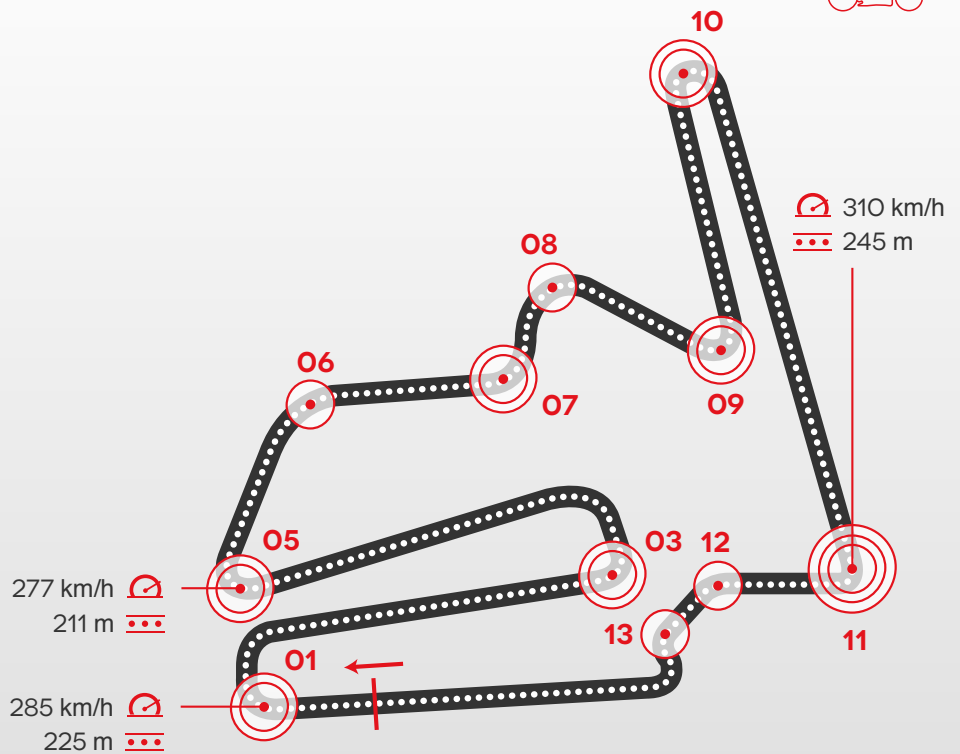
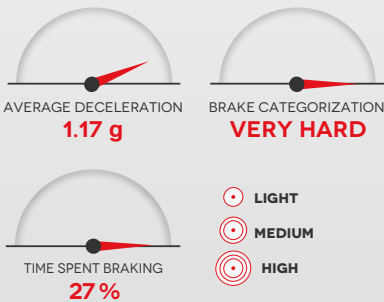




MOTUL GRAND
PRIX OF JAPAN

14-16 OCT 2016

**TWIN RING MOTEGI
(MOTEGI)**



CIRCUIT DATA

Length: 4,801 m
Number of laps: 24
Number of brakings: 11

COMMENT

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.

*** Turn 11 is considered the most demanding for the braking system.**

01

Initial speed	285	(Km/h)
Final speed	92	(Km/h)
Stopping distance	225	(m)
Braking time	4.6	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.5	(Kg)

05

Initial speed	277	(Km/h)
Final speed	76	(Km/h)
Stopping distance	211	(m)
Braking time	4.5	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.7	(Kg)

07

Initial speed	230	(Km/h)
Final speed	125	(Km/h)
Stopping distance	127	(m)
Braking time	2.5	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.2	(Kg)

09

Initial speed	192	(Km/h)
Final speed	79	(Km/h)
Stopping distance	115	(m)
Braking time	3.1	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.7	(Kg)

11*

Initial speed	310	(Km/h)
Final speed	82	(Km/h)
Stopping distance	245	(m)
Braking time	4.9	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	7.3	(Kg)

13

Initial speed	140	(Km/h)
Final speed	99	(Km/h)
Stopping distance	93	(m)
Braking time	1.9	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	1.6	(Kg)

03

Initial speed	277	(Km/h)
Final speed	90	(Km/h)
Stopping distance	215	(m)
Braking time	4.4	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.6	(Kg)

06

Initial speed	200	(Km/h)
Final speed	183	(Km/h)
Stopping distance	47	(m)
Braking time	0.8	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	1.2	(Kg)

08

Initial speed	133	(Km/h)
Final speed	112	(Km/h)
Stopping distance	41	(m)
Braking time	1.2	(sec)
Maximum deceleration	0.6	(g)
Max force on lever	1.5	(Kg)

10

Initial speed	240	(Km/h)
Final speed	67	(Km/h)
Stopping distance	171	(m)
Braking time	4.2	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.6	(Kg)

12

Initial speed	167	(Km/h)
Final speed	143	(Km/h)
Stopping distance	40	(m)
Braking time	0.9	(sec)
Maximum deceleration	0.9	(g)
Max force on lever	2.0	(Kg)