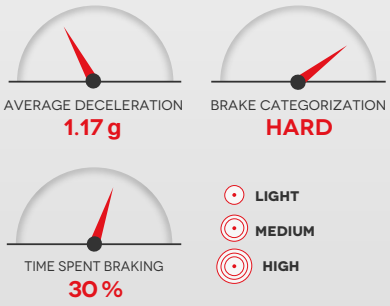
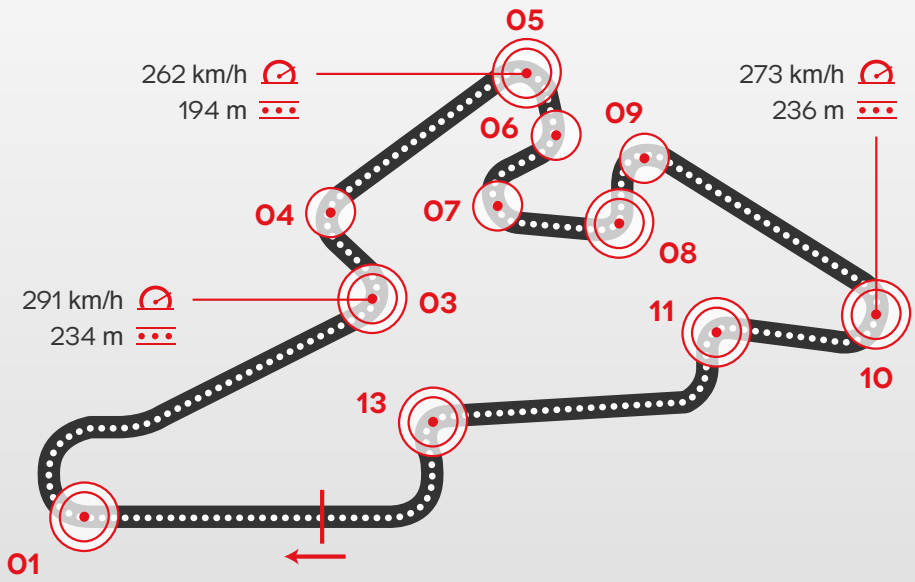
MOTO GP | BRAKE CIRCUIT IDENTITY CARDS

2016 HJC HELMETS GRAND PRIX ČESKÉ REPUBLIKY

19–21 AUG 2016

AUTOMOTODROM BRNO (BRNO)





CIRCUIT DATA

Length: 5,403 m
Number of laps: 22
Number of brakings: 11

COMMENT

This is a track characterized by wide bends and few straight stretches which make it an average circuit in terms of demands on the brakes. Note the first cut out after the finish line, very demanding and difficult to the extent that it is the world championship braking action which requires the greatest braking distance, approximately 260 metres.

*** Turn 03 is considered the most demanding for the braking system.**

01

Initial speed	309	(Km/h)
Final speed	126	(Km/h)
Stopping distance	260	(m)
Braking time	4.6	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	5.5	(Kg)

03*

Initial speed	291	(Km/h)
Final speed	109	(Km/h)
Stopping distance	234	(m)
Braking time	4.3	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.1	(Kg)

04

Initial speed	152	(Km/h)
Final speed	107	(Km/h)
Stopping distance	68	(m)
Braking time	1.8	(sec)
Maximum deceleration	0.9	(g)
Max force on lever	2.9	(Kg)

05

Initial speed	262	(Km/h)
Final speed	108	(Km/h)
Stopping distance	194	(m)
Braking time	3.9	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	6.6	(Kg)

06

Initial speed	144	(Km/h)
Final speed	117	(Km/h)
Stopping distance	49	(m)
Braking time	1.3	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	2.1	(Kg)

07

Initial speed	143	(Km/h)
Final speed	96	(Km/h)
Stopping distance	68	(m)
Braking time	2.0	(sec)
Maximum deceleration	0.9	(g)
Max force on lever	3.2	(Kg)

08

Initial speed	194	(Km/h)
Final speed	93	(Km/h)
Stopping distance	120	(m)
Braking time	3.0	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.7	(Kg)

09

Initial speed	128	(Km/h)
Final speed	104	(Km/h)
Stopping distance	41	(m)
Braking time	1.2	(sec)
Maximum deceleration	0.8	(g)
Max force on lever	3.2	(Kg)

10

Initial speed	273	(Km/h)
Final speed	103	(Km/h)
Stopping distance	236	(m)
Braking time	4.8	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.0	(Kg)

11

Initial speed	216	(Km/h)
Final speed	101	(Km/h)
Stopping distance	132	(m)
Braking time	3.0	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	6.1	(Kg)

13

Initial speed	264	(Km/h)
Final speed	100	(Km/h)
Stopping distance	216	(m)
Braking time	4.4	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.8	(Kg)