

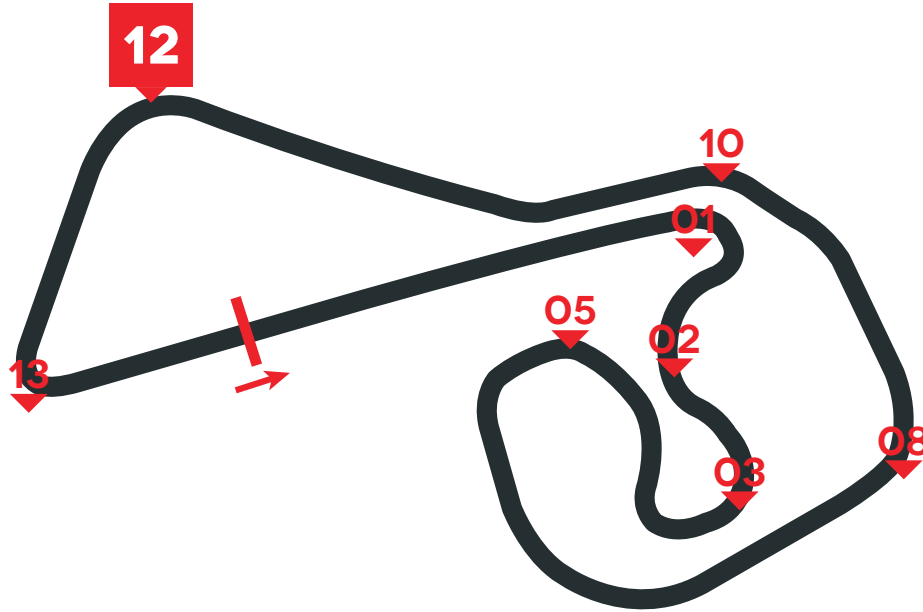
# MOTOGP 2019 HJC HELMETS MOTORRAD GRAND PRIX DEUTSCHLAND



BRAKE CIRCUIT  
IDENTITY CARDS  
05-07 JUL 2019

BRAKES EFFORT **MEDIUM**

TIME SPENT BRAKING 29%



## **brembo** DATA

Less than 3.7 km (2.3 miles) in length, the Sachsenring track is the shortest circuit of the championship. The track is narrow and winding so the 8 braking section requires a not negligible performance of the brakes due to both the quite demanding braking and the presence of a mixed part where it is difficult for the brakes to cool.

### CIRCUIT DATA

Length: **3,671 m** - Number of laps: **30**  
Number of brake zones/lap: **08**

### IMPORTANT

\* **TURN 12** is considered the most demanding for the braking system.

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

01	
Initial speed	285 (Km/h)
Final speed	76 (Km/h)
Stopping distance	249 (m)
Braking time	5.5 (sec)
Maximum deceleration	1.3 (g)
Max force on lever	6.2 (Kg)

02	
Initial speed	140 (Km/h)
Final speed	115 (Km/h)
Stopping distance	63 (m)
Braking time	1.8 (sec)
Maximum deceleration	0.5 (g)
Max force on lever	1.5 (Kg)

03	
Initial speed	131 (Km/h)
Final speed	89 (Km/h)
Stopping distance	86 (m)
Braking time	2.8 (sec)
Maximum deceleration	0.8 (g)
Max force on lever	2.3 (Kg)

05	
Initial speed	143 (Km/h)
Final speed	121 (Km/h)
Stopping distance	54 (m)
Braking time	1.4 (sec)
Maximum deceleration	0.4 (g)
Max force on lever	0.6 (Kg)

08	
Initial speed	232 (Km/h)
Final speed	146 (Km/h)
Stopping distance	123 (m)
Braking time	2.4 (sec)
Maximum deceleration	1.3 (g)
Max force on lever	4.4 (Kg)

10	
Initial speed	179 (Km/h)
Final speed	149 (Km/h)
Stopping distance	84 (m)
Braking time	1.8 (sec)
Maximum deceleration	0.6 (g)
Max force on lever	1.3 (Kg)

12*	
Initial speed	284 (Km/h)
Final speed	118 (Km/h)
Stopping distance	215 (m)
Braking time	4.1 (sec)
Maximum deceleration	1.5 (g)
Max force on lever	5.6 (Kg)

13	
Initial speed	214 (Km/h)
Final speed	100 (Km/h)
Stopping distance	136 (m)
Braking time	3.3 (sec)
Maximum deceleration	1.2 (g)
Max force on lever	5.1 (Kg)