



FIA FORMULA 1 WORLD CHAMPIONSHIP



2024 BAHRAIN GRAND PRIX

29 February - 02 March 2024

From	The FIA Formula One Race Director	Document	1
To	All Teams, All Officials	Date	27 February 2024
		Time	11:45

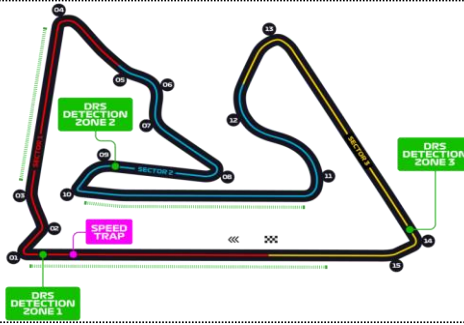
Title Event Notes - Pirelli Preview
Description Pirelli Preview
Enclosed BHR DOC 1 - Pirelli Preview.pdf

Niels Wittich

The FIA Formula One Race Director

Grand Prix of Bahrain 29/02-02/03/2024 (24R01BAH)

Circuit Layout



Compounds selection

Compound	FL	FR	RL	RR
C1	1F1	1F2	1F3	1F4
C2	2P1	2P2	2P3	2P4
C3	3S1	3S2	3S3	3S4
Intermediate	MW1	MW2	MW3	MW4
Wet	XW1	XW2	XW3	XW4

Mandatory race tyres

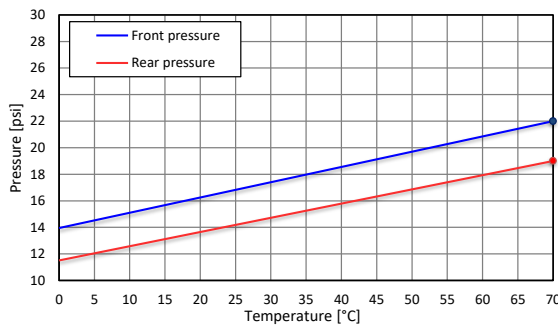
C1
C2
Q3 tyre
C3

Prescriptions

Pressures & camber

	Minimum starting pressure			Expected stabilized running pressure	Camber limit
	Slicks	Intermediate	Wet		
Front	22.0 psi	23.5 psi	20.5 psi	≥24.0 psi	-3.50°
Rear	19.0 psi	20.5 psi	17.5 psi	≥21.0 psi	-2.00°

Cold Pressure Cooling Curve



$$P_{front} = (T - 70) \cdot 0.115 + P_{startf}$$

$$P_{rear} = (T - 70) \cdot 0.107 + P_{startr}$$

P_{startf} : Minimum starting pressure on the front axle [psi]

P_{startr} : Minimum starting pressure on the rear axle [psi]

T : Tyre temperature [°C]

Maximum heating times and temperatures (tread & sidewall)

Temperature	0	60	70 (°C)
Slicks	max. 2h		
Intermediate	max. 2h		
Wet	No blankets allowed		

- Temperatures refer to tyre tread and side wall temperatures, not blanket or controller set-point temperatures.
- Tyres may only be heated prior to the session in which they are intended to be used.
- The temperatures apply at all times during the event.

Tyre Notes

- Not permitted to switch tyres from their originally allocated position.
- Do not subject tyres to large deformation or heavy impact.
- Do not leave fitted tyres exposed at an air temperature lower than 10°C and/or any excessive UV emission.
- Revised prescriptions could be issued during the race weekend in accordance with TD003.
- Cut-off time for fitting tyres at an event on Sunday morning: 4 hours prior to the race start
- Heating time temperature limits apply to the actual tyre surface temperature measured with the IR gun as detailed in the TD003
- BLANKET HEATING TIME for each temperature range to be counted from the moment the blanket control unit is set to reach its targeted temperature within its correspondent interval
- Cold cooling curve temperature limits apply to the tyre side wall temperature measured with the probe as detailed in TD003

General Notes

Teams are kindly reminded that the following will be subject to FIA checks during the event:

- Starting pressures
- Cold pressures (according to the cold pressure cooling curves)
- Re-heat pressures
- EOS Camber
- Maximum tyre temperatures and times in blankets
- Tyre swapping