



2023 QATAR GRAND PRIX

06 - 08 October 2023

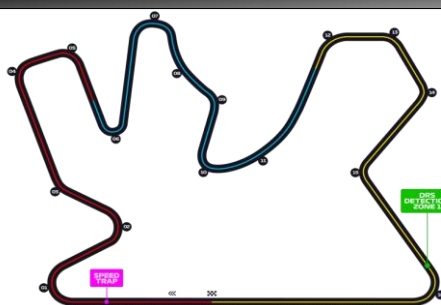
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|-------------|-----------------------------------|-----------------|-----------------|
| From | The FIA Formula One Race Director | Document | 1 |
| To | All Teams, All Officials | Date | 04 October 2023 |
| | | Time | 16:10 |

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

Niels Wittich

The FIA Formula One Race Director

Grand Prix of Qatar 06/10-08/10/2023 (23R18QAT)



Compounds selection

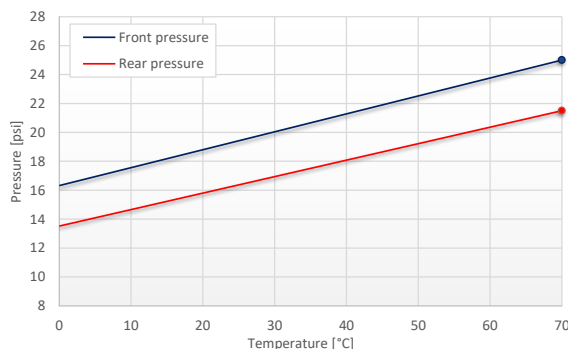
| Compound | FL | FR | RL | RR | Mandatory race tyres |
|---------------------|-----|-----|-----|-----|----------------------|
| C1 | 1T1 | 1T2 | 1T3 | 1T4 | C1 |
| C2 | 2U1 | 2U2 | 2U3 | 2U4 | C2 |
| C3 | 3V1 | 3V2 | 3V3 | 3V4 | |
| Intermediate | 9G5 | 9G6 | 9G3 | 9G4 | Q3 tyre |
| Wet | 95R | 96R | 97R | 98R | C3 |

Prescriptions

Pressures & camber

| | Minimum starting pressure | | | Expected stabilized running pressure | Camber limit |
|--------------|---------------------------|--------------|----------|--------------------------------------|--------------|
| | Slicks | Intermediate | Wet | | |
| Front | 25.0 psi | 25.5 psi | 22.0 psi | ≥27.0 psi | -2.75° |
| Rear | 21.5 psi | 22.0 psi | 18.5 psi | ≥23.5 psi | -1.50° |

Cold Pressure Cooling Curve



$$P_{front} = (T - 70) \cdot 0.124 + P_{startf}$$

$$P_{rear} = (T - 70) \cdot 0.114 + P_{startr}$$

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.

Tyres notes

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| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Heating time temperature limits apply to the actual tyre surface temperature measured with the IR gun as detailed in the TD003 • Cold cooling curve temperature limits apply to the tyre side wall temperature measured with the probe as detailed in 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. |
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General notes

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| <p>Teams are kindly reminded that the following will be subject to FIA checks during the event:</p> <ul style="list-style-type: none"> • 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 |
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