

*TYRE PROFESSIONAL
GUIDE
CUSTOMER RACING*

HILL CLIMB



MICHELIN

HILL CLIMBING



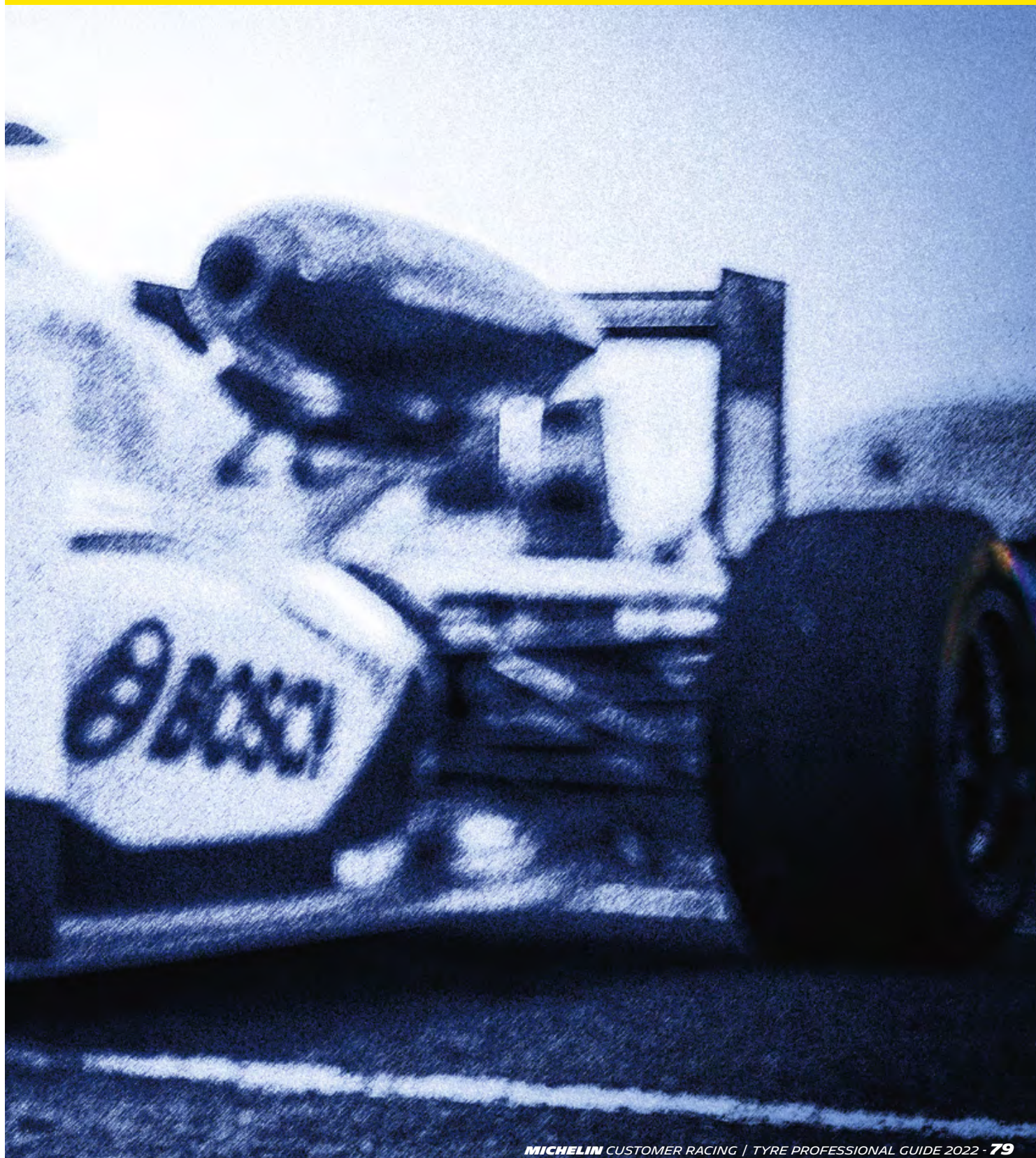
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ADVICE AND PRESSURE


Data provided for informational purposes and may vary depending on actual conditions of use. In the event of use outside of normal conditions of use, these recommendations must be adapted. Consult a professional.




Cold or hot pressure

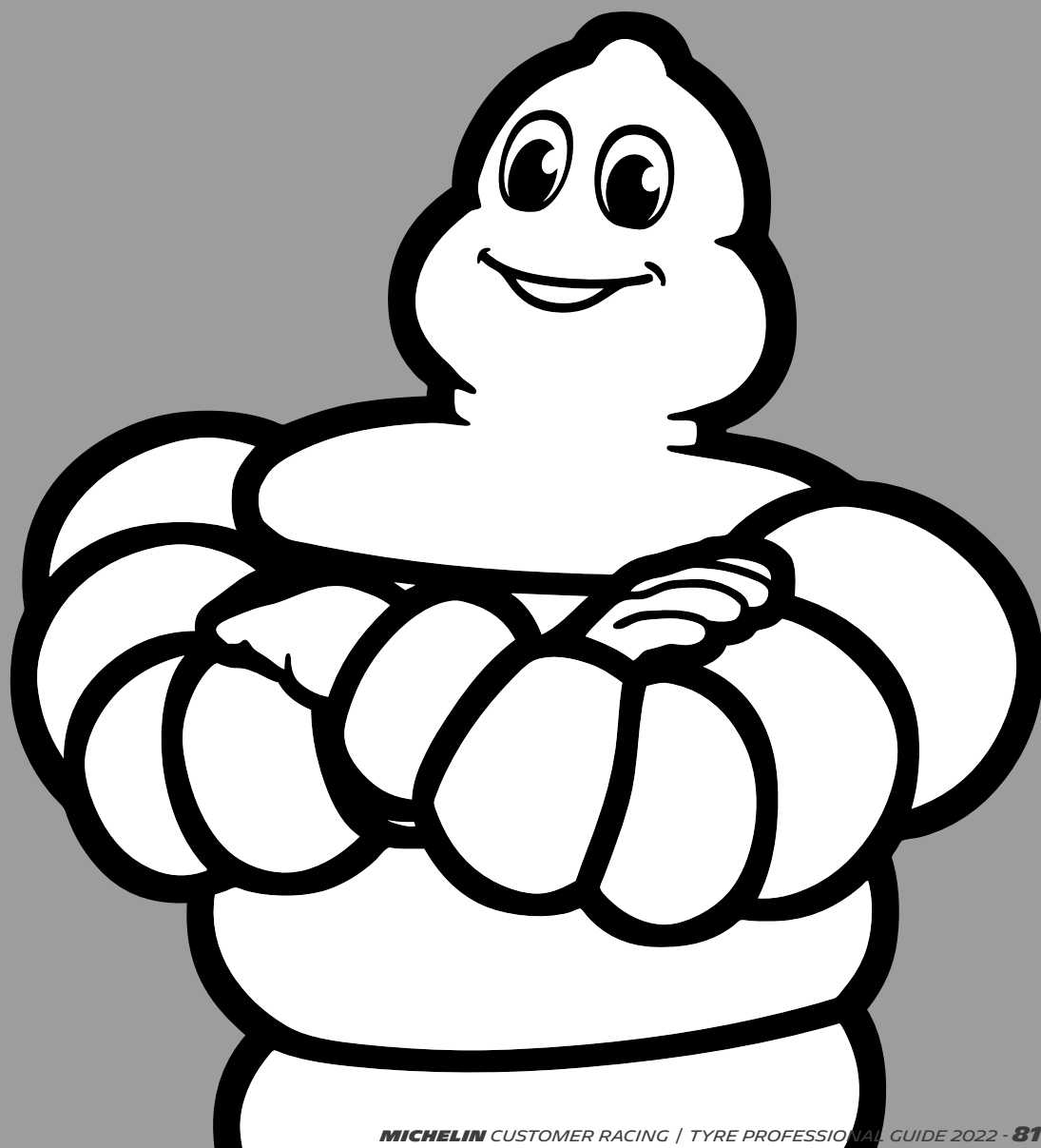
We can distinguish between cold and hot pressure. Cold pressure varies depending on the ambient ground temperature and the type of vehicle. Hot pressure varies depending on the length of the race and the temperature of the ground.

Dry conditions

	Pression	Air temperature		
		5 to 15°C	15 to 30°C	Over 30°C
Single seater	Cold	1.5 bar	1.4 bar	1.35 bar
	Hot	1.5 to 1.6 bar		
Prototype	Cold	1.5 bar	1.44 bar	1.35 bar
	Hot	1.5 to 1.6 bar		
Tourism & production	Cold	1.8 bar	1.7 bar	1.6 bar
	Hot	2 to 2.1 bar		
GT	Cold	1.85 bar	1.8 bar	1.7 bar
	Hot	2 to 2.1 bar		

Rainy conditions

	Pression	Water height		
		High Pressure, heavy rain, storm	Average, continuous rain	Low rainfall & drying track
Single seater	Cold	1.6 bar	1.5 bar	1.4 bar
	Hot	1.55 to 1.7 bar		
Prototype	Cold	1.6 bar	1.5 bar	1.4 bar
	Hot	1.55 to 1.7 bar		
Tourism & production	Cold	1.9 bar	1.8 bar	1.7 bar
	Hot	2 to 2.1 bar		
GT	Cold	1.9 bar	1.85 bar	1.75 bar
	Hot	2 to 2.1 bar		



Hill climbing

MICHELIN PILOT SPORT H S5 C+



Ø13" Ø15"
Ø17" Ø18"

IMMEDIATE WARM UP FOR THE BEST CLIMBING TIMES



INSTANT WARM UP

Thanks to a new synthetic rubber, the MICHELIN Pilot Sport S5C+ offers an immediate warm up, thus allowing the driver to enjoy all the performance, grip and consistency, throughout the entire climb.



INCREASED LONGEVITY

New rubber formula providing greater longevity and limiting pick-up for better grip and providing increased longevity for more climbs.⁽¹⁾

Technologies:

**MICHELIN
WARM-UP
TECHNOLOGY**

DIAMETER	SIZE	TL	RANGE	COMPOUND
13"	20/54 - 13	TL	PILOT SPORT H	S5C+
	24/57 - 13	TL	PILOT SPORT H	S5C+
15"	19/57 - 15	TL	PILOT SPORT H	S5C+
17"	20/61 - 17	TL	PILOT SPORT H	S5C+
	24/61 - 17	TL	PILOT SPORT H	S5C+

DIAMETER	SIZE	TL	RANGE	COMPOUND
18"	24/65 - 18	TL	PILOT SPORT H	S5C+
	27/65 - 18	TL	PILOT SPORT H	S5C+
	30/65 - 18	TL	PILOT SPORT H	S5C+ <i>New</i>
	31/71 - 18	TL	PILOT SPORT H	S5C+ <i>New</i>

(1) Compared to the MICHELIN Pilot Sport S5C

MICHELIN PILOT SPORT H S5C



Ø13" Ø15"
Ø17" Ø18"

DEVELOPED FOR HILL CLIMBING!



WARM UP

Offers a quality warm up allowing the driver to enjoy all the performance, grip and consistency, throughout the entire climb.

DIAMETER	SIZE	TL	RANGE	COMPOUND
13"	20/54 - 13	TL	PILOT SPORT H	S5C *
	22/54 - 13	TL	PILOT SPORT H	S5C
	24/57 - 13	TL	PILOT SPORT H	S5C *
	26/64 - 13	TL	PILOT SPORT H	S5C
15"	19/57 - 15	TL	PILOT SPORT H	S5C *

DIAMETER	SIZE	TL	RANGE	COMPOUND
17"	20/61 - 17	TL	PILOT SPORT H	S5C *
	24/61 - 17	TL	PILOT SPORT H	S5C *
	24/65 - 18	TL	PILOT SPORT H	S5C *
18"	27/65 - 18	TL	PILOT SPORT H	S5C *
	30/65 - 18	TL	PILOT SPORT H	S5C *
	31/71 - 18	TL	PILOT SPORT H	S5C *
	31/71 - 18	TL	PILOT SPORT H	S5C *

* While supplies last

TECHNICAL DATA

DIAMETER (")	SIZE	TL	RANGE	COMPOUND	WHEEL RECOMMENDED (")	TREAD WIDTH (MM)	TYRE SECTION (MM)	DIAMETER IN-FLATED (MM)	ROLLING CIRCUMFERENCE (MM)	
13	20/54 - 13	TL	PILOT SPORT H	S5C+	9J13	199	245	541	1661	*
	20/54 - 13	TL	PILOT SPORT H	S5C	9J13	199	245	541	1661	
	22/54 - 13	TL	PILOT SPORT H	S5C	10J13	220	270	541	1661	
	24/57 - 13	TL	PILOT SPORT H	S5C+	10J13	241	289	585	1765	
	24/57 - 13	TL	PILOT SPORT H	S5C	10J13	241	289	585	1765	*
15	26/64 - 13	TL	PILOT SPORT H	S5C	12J13	288	328	634	1958	
	19/57 - 15	TL	PILOT SPORT H	S5C	7J17	185	206	573	1774	*
	19/57 - 15	TL	PILOT SPORT H	S5C+	7J17	185	206	573	1774	
17	20/61 - 17	TL	PILOT SPORT H	S5C	8J17	187	219	606	1870	*
	20/61 - 17	TL	PILOT SPORT H	S5C+	8J17	187	219	606	1870	
	24/61 - 17	TL	PILOT SPORT H	S5C	9J17	235	250	605	1857	*
	24/61 - 17	TL	PILOT SPORT H	S5C+	9J17	235	250	605	1857	
18	24/65 - 18	TL	PILOT SPORT H	S5C	9J18	229	251	647	1988	*
	24/65 - 18	TL	PILOT SPORT H	S5C+	9J18	229	251	647	1988	
	27/65 - 18	TL	PILOT SPORT H	S5C	11J18	262	298	647	1988	*
	27/65 - 18	TL	PILOT SPORT H	S5C+	11J18	262	298	647	1988	
	30/65 - 18	TL	PILOT SPORT H	S5C	12.5J18	288	329	650	1996	*
	30/65 - 18	TL	PILOT SPORT H	S5C+	12.5J18	288	329	650	1996	
	31/71 - 18	TL	PILOT SPORT H	S5C	13J18	316	343	709	2192	*
	31/71 - 18	TL	PILOT SPORT H	S5C+	13J18	316	343	709	2192	

* While supplies last

RECOMMENDATIONS

Update: 1 September 2021

IN THE EVENT OF USE OUTSIDE OF NORMAL CONDITIONS OF USE, CONSULT MICHELIN HILL CLIMB TECHNICAL SERVICES.



› Michelin guarantees the integrity of the tyre construction for a limited number of stints. The number of stints is determined according to the following criteria:

- Maximum load on the tyre (static + aerodynamic)
- Vehicle maximum speed
- Rim type
- Camber
- Minimum hot pressure

One stint is equivalent to the mileage indicated (including a maximum of 2 pit stops and/or driving without safety car).

Therefore, depending on the conditions of use, a tyre must be replaced in one of two cases:

- it has reached the indicated mileage even if the tread wear potential is not reached.
- it is completely worn out even if the indicated mileage has not been reached.

These recommendations are valid unless the tyres have been damaged: for example, punctures or flat spots.

The recommendations regarding rain tyres are only for wet conditions and not intended for a dry or drying race track.

After a run, Michelin recommends that the delta of temperature between the inside shoulder and the outside shoulder be less than 20°C.

Data provided for informational purposes and may vary depending on actual conditions of use. In the event of use outside of normal conditions of use, these recommendations must be adapted. Consult a professional.

20/54 - 13

20/54 - 13 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	360 DaN
Vitesse max / Max speed	230 Km/h
Jante nominale / Nominal Rim	9.0 (+/- 0,5) J 13
Pression minimum à froid / Mini cold pressure	1.0 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure					
	1.4 Bar	1.45 Bar	1.55 Bar	1.65 Bar	1.75 Bar	1.85 Bar
Carrossage / Camber						
-4.5 °	0	1	1	1	1	2
-4.0 °	0	1	1	1	2	2
-3.5 °	0	1	1	2	2	2
From -2.0 to -3.0 °	0	1	2	2	2	2

22/54 - 13

22/54 - 13 Slick S5C

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	360 DaN
Vitesse max / Max speed	245 Km/h
Jante nominale / Nominal Rim	10.0 (+/- 0,5) J 13
Pression minimum à froid / Mini cold pressure	1.0 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure					
	1.4 Bar	1.45 Bar	1.55 Bar	1.65 Bar	1.75 Bar	1.85 Bar
Carrossage / Camber						
-4.5 °	0	1	1	1	1	2
-4.0 °	0	1	1	1	2	2
-3.5 °	0	1	1	2	2	2
From -2.0 to -3.0 °	0	1	2	2	2	2

24/57 - 13

24/57 - 13 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	455 DaN
Vitesse max / Max speed	230 Km/h
Jante nominale / Nominal Rim	10.0 (+/- 0,5) J 13
Pression minimum à froid / Mini cold pressure	1.0 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure					
	1.4 Bar	1.45 Bar	1.55 Bar	1.65 Bar	1.75 Bar	1.85 Bar
Carrossage / Camber						
-3.5 °	0	1	1	1	2	2
-3.0 °	0	1	1	2	2	2
From -2.0 to -2.5 °	0	1	2	2	2	2

26/64 - 13

26/64 - 13 Slick S5C

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	450 DaN
Vitesse max / Max speed	300 Km/h
Jante nominale / Nominal Rim	11.75 (+/- 0,5) J 13
Pression minimum à froid / Mini cold pressure	1.1 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure					
Carrossage / Camber	1.45 Bar	1.5 Bar	1.6 Bar	1.75 Bar	1.8 Bar	1.9 Bar
-4.0 °	0	1	1	1	1	1
-3.5 °	0	1	1	1	1	1
From -2.0 to -3.0 °	0	1	1	1	1	1

19/57 - 15

19/57 - 15 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	290 DaN
Vitesse max / Max speed	230 Km/h
Jante nominale / Nominal Rim	7.0 (+/- 0,5) J 15
Pression minimum à froid / Mini cold pressure	1.6 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure				
Carrossage / Camber	2.0 Bar	2.1 Bar	2.2 Bar	2.3 Bar	2.4 Bar
-3.5 °	0	0	0	2	2
-3.25 °	0	0	0	2	2
-3.0 °	0	0	1	2	2
From -2.0 to -2.75 °	0	1	2	2	2

20/61-17

20/61 - 17 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	400 DaN
Vitesse max / Max speed	230 Km/h
Jante nominale / Nominal Rim	7.5 (+/- 0,5) J 17
Pression minimum à froid / Mini cold pressure	1.6 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure				
Carrossage / Camber	1.8 Bar	1.9 Bar	2.0 Bar	2.1 Bar	2.2 Bar
-3.5 °	0	0	0	1	2
-3.25 °	0	0	1	2	2
-3.0 °	0	1	2	2	2
From -2.0 to -2.75 °	0	1	2	2	2

24/61-17

24/61 - 17 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	400 DaN
Vitesse max / Max speed	230 Km/h
Jante nominale / Nominal Rim	9.0 (+/- 0,5) J 17
Pression minimum à froid / Mini cold pressure	1.6 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure				
	1.8 Bar	1.9 Bar	2.0 Bar	2.1 Bar	2.2 Bar
Carrossage / Camber					
-3.5 °	0	0	0	1	2
-3.25 °	0	0	1	2	2
-3.0 °	0	1	2	2	2
From -2.0 to -2.75 °	0	1	2	2	2

24/65-18

24/65 - 18 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	500 DaN
Vitesse max / Max speed	230 Km/h
Jante nominale / Nominal Rim	9.0 (+/- 0,5) J 18
Pression minimum à froid / Mini cold pressure	1.6 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure				
	1.8 Bar	1.9 Bar	2.0 Bar	2.1 Bar	2.2 Bar
Carrossage / Camber					
-2.25 °	0	0	0	1	2
-2.0 °	0	0	1	2	2
-1.75 °	0	1	2	2	2
From 0 to -1.5 °	0	1	2	2	2

27/65-18

27/65 - 18 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	500 DaN
Vitesse max / Max speed	230 Km/h
Jante nominale / Nominal Rim	11.0 (+/- 0,5) J 18
Pression minimum à froid / Mini cold pressure	1.6 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure				
	1.8 Bar	1.9 Bar	2.0 Bar	2.1 Bar	2.2 Bar
Carrossage / Camber					
-3.5 °	0	0	0	1	2
-3.25 °	0	0	1	2	2
-3.0 °	0	1	2	2	2
From -2.0 to -2.75 °	0	1	2	2	2

30/65 - 18

30/65 - 18 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	600 DaN
Vitesse max / Max speed	320 Km/h
Jante nominale / Nominal Rim	12.5 (+/- 0,5) J 18
Pression minimum à froid / Mini cold pressure	1.4 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure				
	1.8 Bar	1.9 Bar	2.0 Bar	2.1 Bar	2.2 Bar
Carrossage / Camber					
-4.0 °	0	0	0	1	1
-3.5 °	0	0	1	1	1
-3.25 °	0	0	1	1	1
From -2.0 to -3.0 °	0	1	1	1	1

31/71 - 18

31/71 - 18 Slick S5C - S5C+

Usage	Hill climbing
Charge max / Max Load (static + dynamic)	730 DaN
Vitesse max / Max speed	320 Km/h
Jante nominale / Nominal Rim	13.0 (+/- 0,5) J 18
Pression minimum à froid / Mini cold pressure	1.2 Bar
Relais / Stints	50 Km

Nb de relais / Nb stints	Pression minimum à chaud / Mini hot pressure				
	1.8 Bar	1.9 Bar	2.0 Bar	2.1 Bar	2.2 Bar
Carrossage / Camber					
-3.75 °	0	0	0	0	0
-3.5 °	0	1	1	1	1
-3.25 °	0	1	1	1	1
-3.0 °	0	1	1	1	1
From -2.0 to -2.75 °	0	1	1	1	1