HILLCLIMB
TYRES

PIRELLI

POWER IS NOTHING WITHOUT CONTROL

HILLCLIMB

Hillclimbs are some of the most spectacular motorsport events in the world, using a massive variety of **powerful cars on ordinary but totally demanding mountain roads**. The tyres used for hillclimbing need to offer instant performance, with the accent on **a rapid warm-up** so that they can be immediately up to temperature on the short courses that make up a typical event. Not only that, but the tyres also have to deal with **extreme cornering on many different types of surface**, from fresh asphalt to broken-up and bumpy roads, as well as temperatures that are frequently quite low. The cars run high downforce levels to push them down into the ground and there is no margin for error: meaning that the **driveability of the tyre is paramount to guarantee both safety and performance**. In its unique position as Ultra High Performance tyre world leader, Pirelli relies on technology transfer from Formula 1 and rallying to create a hillclimb tyre that has already shown its impressive capabilities at the very pinnacle of the sport. Pirelli hillclimb tyres come in two versions: Slick and Wet Weather, equipping all the classes in the sport.

SLICK P ZERO™

Dry weather tyres have a slick tread pattern. They are available in three compounds: **soft**, **supersoft** and **ultrasoft**. They are optimized to excel under different weather conditions and surfaces, according to the chosen compound.

SOFT

SUPERSOFT

ULTRASOFT

WET WEATHER Cinturato™

Wet weather tyres have a fully grooved tread pattern designed for maximum resistance to aquaplaning.

CINTURATO

SIZE RANGE 2018

SINGLE **SEATER**

SIZE	VERSION	DIAMETER	SECTION WIDTH	ROLLING CIRCUMFERENCE	RIM
200/540-13	Soft	540	220	1670	7>9
	Supersoft	540	220	1670	7>9
	Ultrasoft	540	220	1670	7>9
	Cinturato	540	220	1670	7>9
250/575-13	Soft	575	290	1780	10.5>11
	Supersoft	575	290	1780	10.5>11
	Ultrasoft	575	290	1780	10.5>11
	Cinturato	575	290	1780	10.5>11
300/590-13	Soft	590	360	1830	13.7>14.5
	Supersoft	590	360	1830	13.7>14.5
	Ultrasoft	590	360	1830	13.7>14.5
	Cinturato	590	360	1830	13.7>14.5
315/660-13	Soft	655	380	2035	13.7>15
	Supersoft	655	380	2035	13.7>15
	Ultrasoft	655	380	2035	13.7>15
	Cinturato	655	380	2035	13.7>15

FITMENT	
FRONT	Category Single Seat
FRONT/REAR	Category Prototype CN / Category Prototype E2B / P2000 / Category Single Seat
REAR	Category Prototype CN / P2000
REAR	Category Prototype E2B

COMPOUND		SURFACE		CONDITION		
	WORKING TEMPERATURE (°C)	ABRASIVE	MEDIUM	WET	DAMP	DRY
Soft	50° - 80°					
SuperSoft	40° - 70°					
UltraSoft	20° - 50°					
Cinturato	20° - 40°					

AIR TEMPERATURE (°C)									STAGE LENGTH (KM)			PRESSURE (BAR)		
5	10	15	20	25	30	35	40	45	SHORT 0KM - 5KM	MEDIUM 5KM - 10KM	LONG 10KM - 20KM	START OF THE STAGE FRONT	START OF THE STAGE REAR	END OF THE STAGE
												0.85	0.80	1.20
												0.90	0.85	1.20
												0.90	0.85	1.20
												0.90	0.85	1.20

TOURING SEGMENT*

SIZE	VERSION	DIAMETER	SECTION WIDTH	ROLLING CIRCUMFERENCE	RIM
245/620-17	Soft (DS)	628	236	1915	8
	Supersoft (SS)	628	236	1915	8
245/645-18	Soft (DS)	648	252	1975	9
	Supersoft (SS)	648	252	1975	9
285/645-18	Soft (DS)	648	296	1975	11
	Supersoft (SS)	648	296	1975	11
315/680-18	Soft (DS)	684	330	2115	12
	Supersoft (SS)	684	330	2115	12
325/725-18	Soft (DS)	707	356	2185	13
	Supersoft (SS)	707	356	2185	13

FITMENT	
ALL ROUND	Touring car
ALL ROUND	Touring car
ALL ROUND/FRONT	Touring car / GT
FRONT/REAR	GT3
REAR	GT3

COMPOUND		SURFACE		CONDITION		
	WORKING TEMPERATURE (°C)	ABRASIVE	MEDIUM	WET	DAMP	DRY
Soft (DS)	60° - 90°					
SuperSoft (SS)	40° - 70°					

AIR TEMPERATURE (°C)									STAGE LENGTH (KM)			PRESSURE (BAR)	
5	10	15	20	25	30	35	40	45	SHORT 0KM - 5KM	MEDIUM 5KM - 10KM	LONG 10KM - 20KM	START OF THE STAGE	END OF THE STAGE
												1.60	1.90
												1.60	1.90

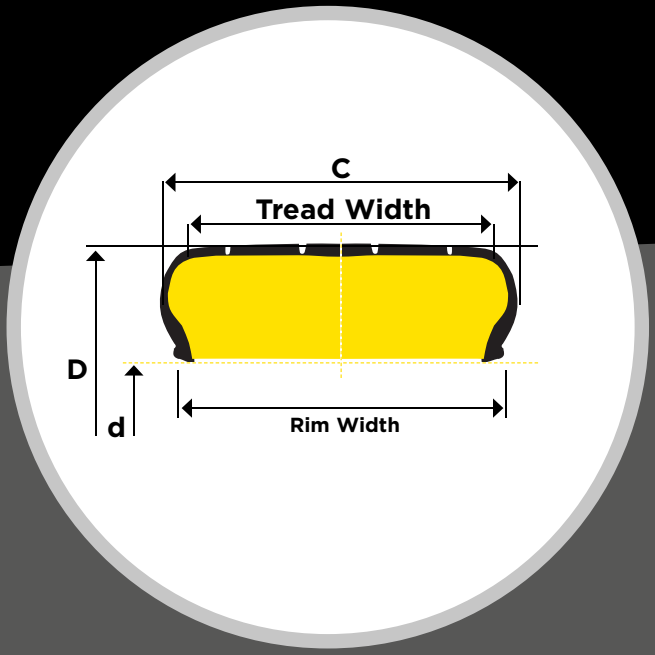
*Products under development

SAFETY WARNING: Hillclimb tyres are not intended for standard road use: they are designed exclusively for competition. Follow all the tyre manufacturer's instructions, as danger may result from improper usage.

TECHNICAL INFORMATION

TYRE **IDENTIFICATION**

The markings that appear on the sidewall of the tyres indicate the basic size of the tyre and the rim diameter. The example reported below illustrates how to read the marking that appears on the sidewall of Hillclimb tyres.



C	D	d
Nominal section width expressed in mm	Nominal external diameter expressed in mm	Nominal rim diameter, expressed in inches
250	575	13

LABELS

Each compound is identified by a different colour.

SOFT
YELLOW

SUPERSOFT
RED

ULTRASOFT
PURPLE

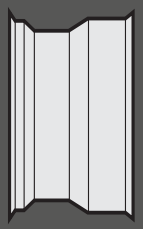
CINTURATO
BLUE

MARKING

The tread compounds of the different versions of Hillclimb slick tyres are described by one or two letters that indicate the hardness of the compound: **S - soft (DS for touring segment)**, **SS - supersoft**, **US - ultrasoft**.

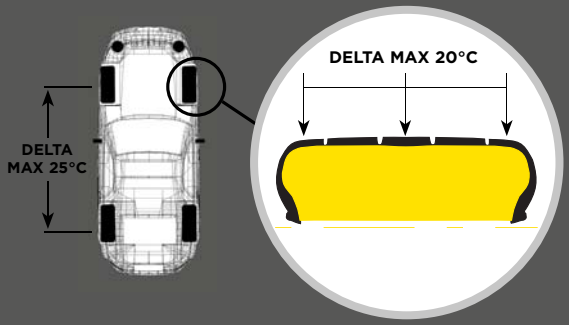
RIMS

The size of the rims indicated in this manual must be respected. If you have any doubts, please contact Pirelli's staff.



TREAD **TEMPERATURES**

Temperatures measured on the tread are an excellent indicator for deciding the best choice of tread compound and for optimising the vehicle setup for each wheel position, such as camber and toe. We recommend **measuring the temperature at three different points: inner** (innermost side of the vehicle), **centre, outer tread**. In particular, average temperatures must be the ones suggested in the section "Size Range 2018", **the difference between the values measured internally, in the center and externally must be maximum 20°C, while the difference between the front and rear axles must be no more than 25°C**. If these values are exceeded, we recommend the use of a different tread compound or that the vehicle's geometry should be adjusted.



PRESSURE

Working pressure values depend on the size of the tyre in relation to the load that it is subjected to. In other words, it will vary according to the type of car, the weight and conditions of use. In particular, as the weight of the vehicle, speeds and accelerations that the tyre is subjected to increase, the working pressure must be increased. Preheated tyres can be inflated to slightly lower values than cold tyres. The difference will depend on the type of heater, the time it remains and the environmental conditions.

FITMENT

Make sure that tyres are fitted by experts with specialised dedicated machinery and equipment, following the safety procedures. **Before assembling the tyres, clean the surface of the beads and the area of the rim that comes into contact with the tyre**. Use ONLY special tyre lubricants for mounting tyres. Do NOT use silicone or petroleum lubricants.
Check the state of the valves to prevent air loss: check the seals and the tightness for metal ones and check also for any tears or cracks in rubber seals. If necessary, replace them. When the tyre is being used, always use the valve cap. Follow the indications provided on the sidewall of the tyre referring to the rolling direction and the correct positioning of the internal and external sidewalls, if specified. Use the safety cage when inflating tyres. Before unseating the tyre from the rim during dismounting, make sure that the tyre has been fully deflated, removing the inner valve mechanism.

07.18

Follow Pirelli on:

WWW.PIRELLI.COM