

Technical Bulletin - Pirelli Cinturato Velo Recommended Pressure Chart and Precautions for Use

Pirelli Cinturato Velo tubeless-ready tyres are designed as a reinforced solution for applications both with and without an inner tube. The user preference between these two configurations should be accurately oriented and assisted by Pirelli experienced sales & service network, based on the user's best desired performances, the intended use and the bike/wheel model.



In tubeless-ready applications the tyre, together with a tubeless wheel and a rim tape, creates an air-tight system, by adding a specific liquid sealant for the purpose. **Pirelli Cinturato Velo** tubeless ready tyres guarantee an optimal footprint, comfort, and friction, and provide reinforced puncture protection at its best, when ridden at lower operating pressures.



In tube-type applications, **Pirelli Cinturato Velo** tyres are much lighter and guarantee an easy to fit solution, compared to a pure tubeless tyre, standing out as perfect reinforced design for durability and performance on all type of terrains and applications, from Racing to Touring.

Every user should be aware of the difference between these two configurations, and the related impact on the recommended pressures and precautions to adopt. For this purpose, Pirelli published two specific Recommended Pressure Charts below, by which the users can fine-tune the pressure within the safety and best performance range in each condition.



WARNING: In operation, the tyre pressure should never exceed the **MAX** (MAX) pressure and should never fall short of the **MIN** (MIN) pressure highlighted in the tables below. Riding at an improper inflation pressure is dangerous and can cause a wheel failure, even at a later date, which could lead to an accident, serious personal injury or death.



WARNING: Make sure that the rim, the tyre and the tube are all compatible with each other by checking the instructions of each component manufacturer. Never use Cinturato Velo tyres on TSS (hook-less) rims and check the instructions within the packaging and the inscription on the sidewall of the tyre to verify if the rim typology that you are using is suitable.



FINE TUNE YOUR PERFORMANCE RECOMMENDED PRESSURE CHART



Cinturato™ VELO

TUBELESS READY - Setup w/sealant									
24-622 700x24c		26-622 700x26c		28-622 700x28c		32-622 700x32c		35-622 700x35c	
Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)
< 45 kg ≤ 99 lbs	5,5 bar 80 psi (MIN)	≤ 44 kg ≤ 97 lbs	4,7 bar 65 psi (MIN)	≤ 48 kg ≤ 106 lbs	4,3 bar 60 psi (MIN)	≤ 44 kg ≤ 97 lbs	3,5 bar 51 psi (MIN)	≤ 44 kg ≤ 97 lbs	3 bar 44 psi (MIN)
45 ÷ 52 kg 100 > 114 lbs	5,8 bar 84 psi	45 ÷ 53 kg 98 > 117 lbs	5 bar 70 psi	49 ÷ 55 kg 107 > 121 lbs	4,7 bar 65 psi	45 ÷ 49 kg 98 > 108 lbs	3,8 bar 55 psi	45 ÷ 49 kg 98 > 108 lbs	3,3 bar 48 psi
53 ÷ 60 kg 115 > 132 lbs	6 bar 87 psi	54 ÷ 63 kg 118 > 139 lbs	5,3 bar 75 psi	56 ÷ 63 kg 122 > 139 lbs	5 bar 70 psi	50 ÷ 59 kg 109 > 130 lbs	4,2 bar 61 psi	50 ÷ 59 kg 109 > 130 lbs	3,6 bar 52 psi
61 ÷ 69 kg 133 > 152 lbs	6,3 bar 91 psi	64 ÷ 76 kg 140 > 168 lbs	5,7 bar 80 psi	64 ÷ 75 kg 140 > 165 lbs	5,3 bar 75 psi	60 ÷ 69 kg 131 > 152 lbs	4,5 bar 65 psi	60 ÷ 69 kg 131 > 152 lbs	4 bar 58 psi
> 70 kg ≥ 153 lbs	6,5 bar 94 psi (MAX)	≥ 77 kg ≥ 169 lbs	6 bar 85 psi (MAX)	76 ÷ 85 kg 166 > 187 lbs	5,7 bar 80 psi	70 ÷ 79 kg 153 > 174 lbs	4,8 bar 70 psi	70 ÷ 79 kg 153 > 174 lbs	4,3 bar 62 psi
				≥ 86 kg ≥ 188 lbs	6 bar 85 psi (MAX)	≥ 80 kg ≥ 175 lbs	5 bar 73 psi (MAX)	80 ÷ 89 kg 175 > 196 lbs	4,6 bar 67 psi
								> 90 kg ≥ 197 lbs	5 bar 73 psi (MAX)

* 1 bar = 100kPa
* 100 psi ~ 700 kPa



FINE TUNE YOUR PERFORMANCE

RECOMMENDED PRESSURE CHART



Cinturato™ VELO

TUBE TYPE - Setup w/tube									
24-622 700x24c		26-622 700x26c		28-622 700x28c		32-622 700x32c		35-622 700x35c	
Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)	Rider weight (kg/lbs)	Pressure (bar/psi)
< 45 kg ≤ 99 lbs	6 bar 87 psi MIN			≤ 53 kg ≤ 117 lbs	5 bar 70 psi MIN	≤ 44 kg ≤ 97 lbs	4 bar 58 psi MIN	≤ 44 kg ≤ 106 lbs	3,5 bar 51 psi MIN
45 ÷ 52 kg 100 > 114 lbs	6,3 bar 91 psi	≤ 52 kg ≤ 115 lbs	5,7 bar 80 psi MIN	54 ÷ 60 kg 118 > 132 lbs	5,3 bar 75 psi	45 ÷ 49 kg 98 > 108 lbs	4,3 bar 62 psi	45 ÷ 49 kg 98 > 108 lbs	3,7 bar 54 psi
53 ÷ 60 kg 115 > 132 lbs	6,5 bar 94 psi	53 ÷ 61 kg 116 > 134 lbs	6 bar 85 psi	61 ÷ 68 kg 133 > 150 lbs	5,7 bar 80 psi	50 ÷ 59 kg 109 > 130 lbs	4,5 bar 65 psi	50 ÷ 59 kg 109 > 130 lbs	4 bar 58 psi
61 ÷ 69 kg 133 > 152 lbs	6,8 bar 99 psi	62 ÷ 74 kg 135 > 163 lbs	6,3 bar 90 psi	69 ÷ 79 kg 151 > 174 lbs	6 bar 85 psi	60 ÷ 69 kg 131 > 152 lbs	4,9 bar 71 psi	60 ÷ 69 kg 131 > 152 lbs	4,3 bar 62 psi
70 ÷ 76 kg 153 > 167 lbs	7,3 bar 106 psi	75 ÷ 90 kg 164 > 198 lbs	6,7 bar 95 psi	80 ÷ 89 kg 175 > 196 lbs	6,3 bar 90 psi	70 ÷ 79 kg 153 > 174 lbs	5,2 bar 75 psi	70 ÷ 79 kg 153 > 174 lbs	4,7 bar 68 psi
77 ÷ 85 kg 168 > 187 lbs	7,6 bar 110 psi	91 ÷ 99 kg 199 > 218 lbs	7 bar 100 psi	90 ÷ 98 kg 197 > 216 lbs	6,7 bar 95 psi	80 ÷ 89 kg 175 > 196 lbs	5,5 bar 78 psi	80 ÷ 89 kg 175 > 196 lbs	5 bar 73 psi
> 86 kg ≥ 188 lbs	8 bar 116 psi MAX	≥ 100 kg ≥ 219 lbs	7,3 bar 105 psi MAX	≥ 99 kg ≥ 217 lbs	7 bar 100 psi MAX	≥ 90 kg ≥ 197 lbs	5,8 bar 84 psi MAX	> 90 kg ≥ 197 lbs	5,4 bar 78 psi MAX

* 1 bar = 100kPa
* 100 psi ~ 700 kPa

DEPENDING ON RIDING STYLE

- COMFORT**> drop 0,3 bar / 5 psi on FRONT wheel
- AGGRESSIVE**> keep same pressure front and rear
- If wet and/or cold road conditions (below 7°C / 44F) drop 0,3 bar / 5 psi on BOTH wheels



NEVER EXCEED THE MAXIMUM INFLATION PRESSURE INDICATED ON EITHER THE RIM, THE RIM TAPE and THE TIRE

FITTING RECOMMENDATIONS AND PRECAUTIONS FOR USE

- Make sure that the rim, the tyre and the tube are all compatible with each other by checking the instructions of each component manufacturer. An incorrect tyre/rim matching may result in unseating of the bead or damage to the tube and consequent air loss. You can verify if the tyre is compatible with the rim typology that you are using by checking the instructions within the packaging and the inscription on the sidewall of the tyre. Never use *Cinturato Velo* tyres on TSS (Hook-less) rims. Crochet (Hook-edged) rims, must be used when pressures over 5 bars are recommended. Crochet rims are indicated by the letter "C" following the size designation.
- Under no circumstances, the tyre pressure should exceed the maximum, or fall short of the minimum indicated on the sidewall of the tyre. High inflation pressure can damage the rim; check the maximum pressure of the rim or ask an authorized dealer to ensure it can withstand the pressure of the tyre. Ensure that the maximum pressure allowed for the rim tape is equal or higher than both the ones of the tyre and the rim.
- In order to minimize the possibility of a failure as consequence of overheating during extended braking, Pirelli recommends the use of a rim tape in fully sealed rim profiles. The tape should be at least 2 mm wider than the internal width of the rim. An extra layer of tape can raise the central channel of the rim and make it easier for the beads to seat correctly.
- Pirelli Cinturato Velo* tyres are sold folded and they may need to be pre-inflated with a tube to the maximum recommended pressure and rest for 6-12 hours in order to ensure the best easy to fit condition. Always get the tyre seated before adding the sealant.
- In the case it gets hard to push the tyre into the rim, or the last portion of bead does not fit into place, make sure that the bead portion already in place sits deeply into the rim. Help yourself by squeezing by hand the tyre sidewalls into the rim.
- Tubeless tyres will pop-up in position with a clear "locking" noise. Always check the seating of the tyre by ensuring that the characteristic line above the rim flange runs at an equal distance from the rim on both sides, over the entire circumference. Spin the wheel at low speed (by hand) and vary the angle in order to check the proper bead position and to let the liquid sealant spread all over the surface, when fitting as tubeless-ready.
- Before each ride check the pressure, the bead seating position, and the correct fastening of the wheel assembly to the hubs and the brake pads. Until you are sure that the wheel is completely sealed, check the pressure more carefully before each ride and do not use the wheel for a race or a long tour. Carry out a trial braking maneuver before use, regularly check the status of the sealant and replace it on regular basis according to the sealant manufacturer's instructions.

Please follow the instructions included in the tyre packaging, and download the complete manual by visiting velo.pirelli.com/manual. For any doubt ask a Pirelli authorized dealer or a bicycle specialist.

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