



# TYRE DATA BOOKLET

**305/660-18 DHF**

**305/660-18 WH**

**2022**

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# ***INTRODUCTION***

## **INTRODUCTION**

This document provides the user with technical information regarding several aspects of the tyre characteristics. The data was acquired using indoor testing methods on physical tyres.

For individual car fitments, usage guidelines and prescriptions for camber and pressure please refer to the relevant Pirelli Technical Booklet, which is included as part of this Pirelli Data Package.



## STATIC MEASUREMENTS

Slick Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference ( $\pi D$ )	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
<b>305/660-18</b> <b>DHF</b> <b>18"x11.0J</b>	10.6	307	2093	283

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference ( $\pi D$ )	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
<b>305/660-18</b> <b>WH</b> <b>18"x12.0J</b>	11.6	315	2115	TBA



**DYNAMIC MEASUREMENTS @ 2.0bar (29psi), CA 0.0°**

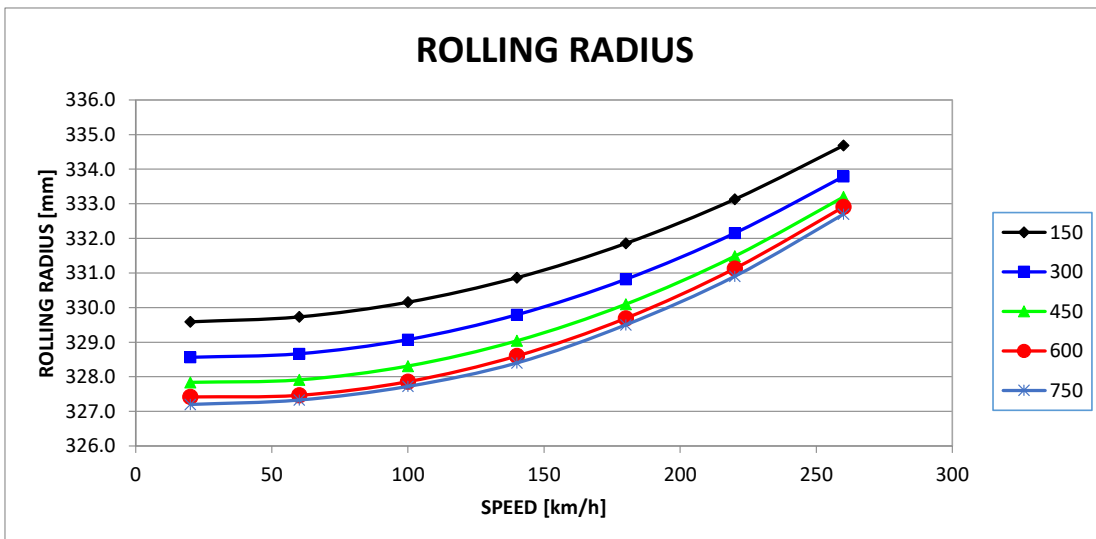
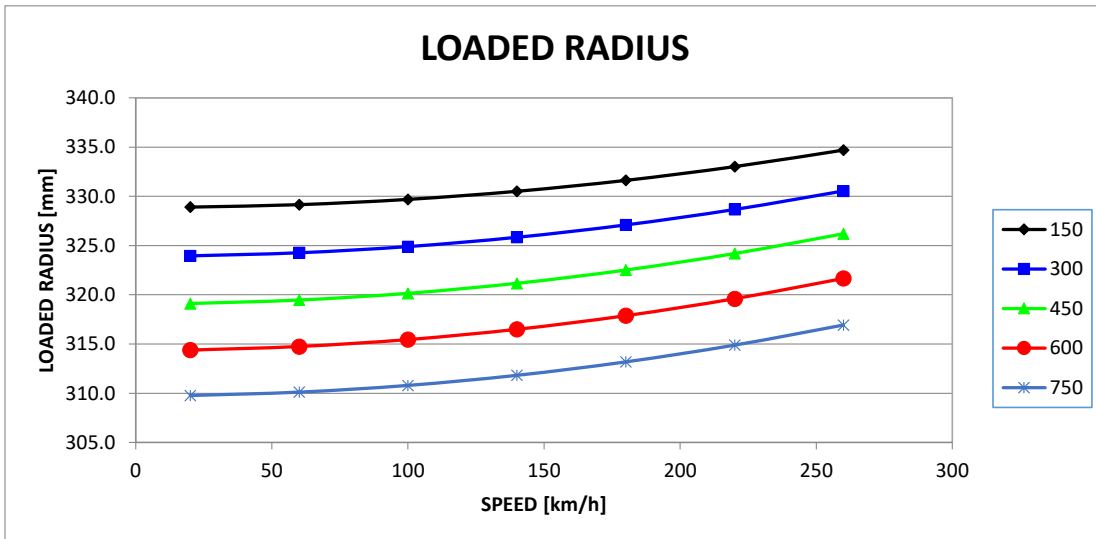
**305/660-18x11.0J DHF**

**LOADED RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	328.9	323.9	319.1	314.4	309.8
	60	329.2	324.3	319.5	314.7	310.1
	100	329.7	324.9	320.1	315.4	310.8
	140	330.5	325.8	321.2	316.5	311.8
	180	331.6	327.1	322.5	317.9	313.2
	220	333.0	328.7	324.2	319.6	314.9
	260	334.7	330.5	326.2	321.7	316.9
	280					
	300					

**ROLLING RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	329.6	328.6	327.8	327.4	327.2
	60	329.7	328.7	327.9	327.5	327.3
	100	330.2	329.1	328.3	327.9	327.7
	140	330.9	329.8	329.0	328.6	328.4
	180	331.9	330.8	330.1	329.7	329.5
	220	333.1	332.1	331.5	331.1	330.9
	260	334.7	333.8	333.2	332.9	332.7
	280					
	300					





**DYNAMIC MEASUREMENTS @ 2.0bar (29psi), CA 0.0°**

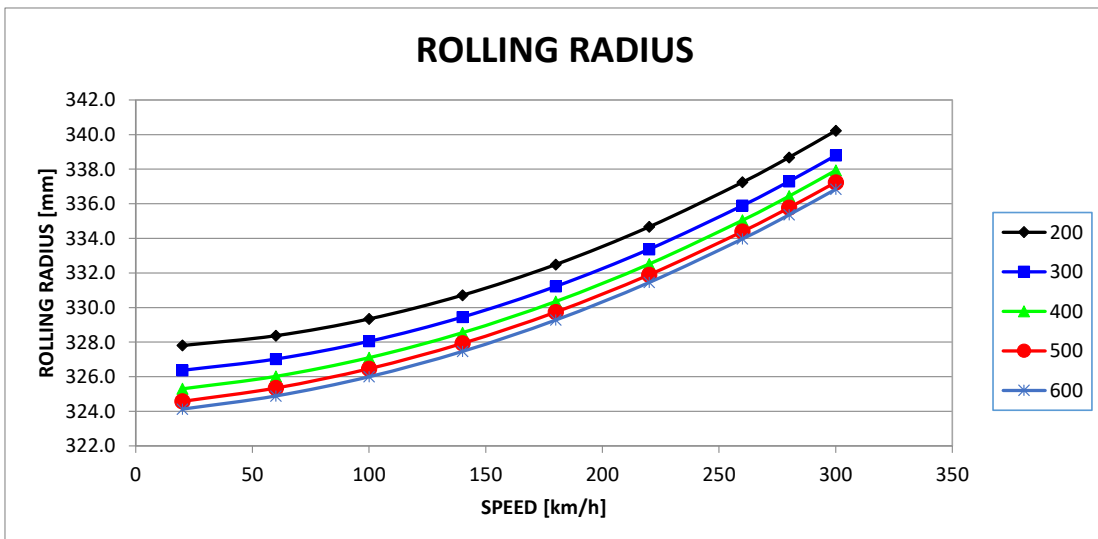
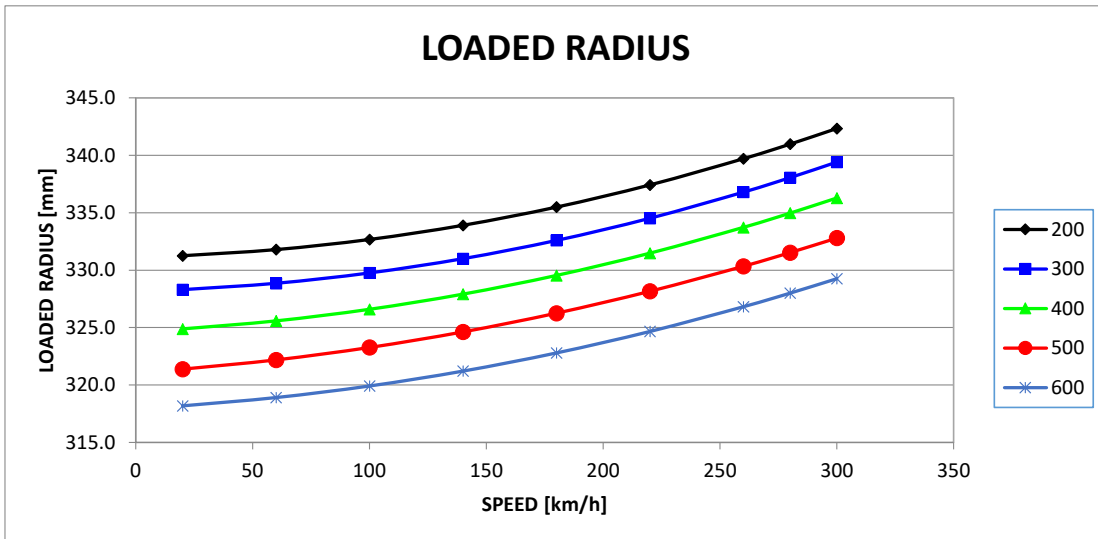
305/660-18x12.0J WH

**LOADED RADIUS**

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	331.3	328.3	324.9	321.4	318.2
	60	331.8	328.9	325.6	322.2	318.9
	100	332.7	329.8	326.6	323.3	319.9
	140	333.9	331.0	327.9	324.6	321.2
	180	335.5	332.6	329.5	326.3	322.8
	220	337.4	334.5	331.5	328.2	324.7
	260	339.7	336.8	333.7	330.3	326.8
	280	341.0	338.1	335.0	331.5	328.0
	300	342.3	339.4	336.3	332.8	329.3

**ROLLING RADIUS**

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	327.8	326.4	325.3	324.6	324.1
	60	328.4	327.0	326.0	325.3	324.9
	100	329.3	328.0	327.1	326.5	326.0
	140	330.7	329.4	328.5	327.9	327.5
	180	332.5	331.2	330.3	329.7	329.3
	220	334.7	333.4	332.5	331.9	331.4
	260	337.2	335.9	335.0	334.4	334.0
	280	338.7	337.3	336.4	335.8	335.4
	300	340.2	338.8	337.9	337.2	336.8



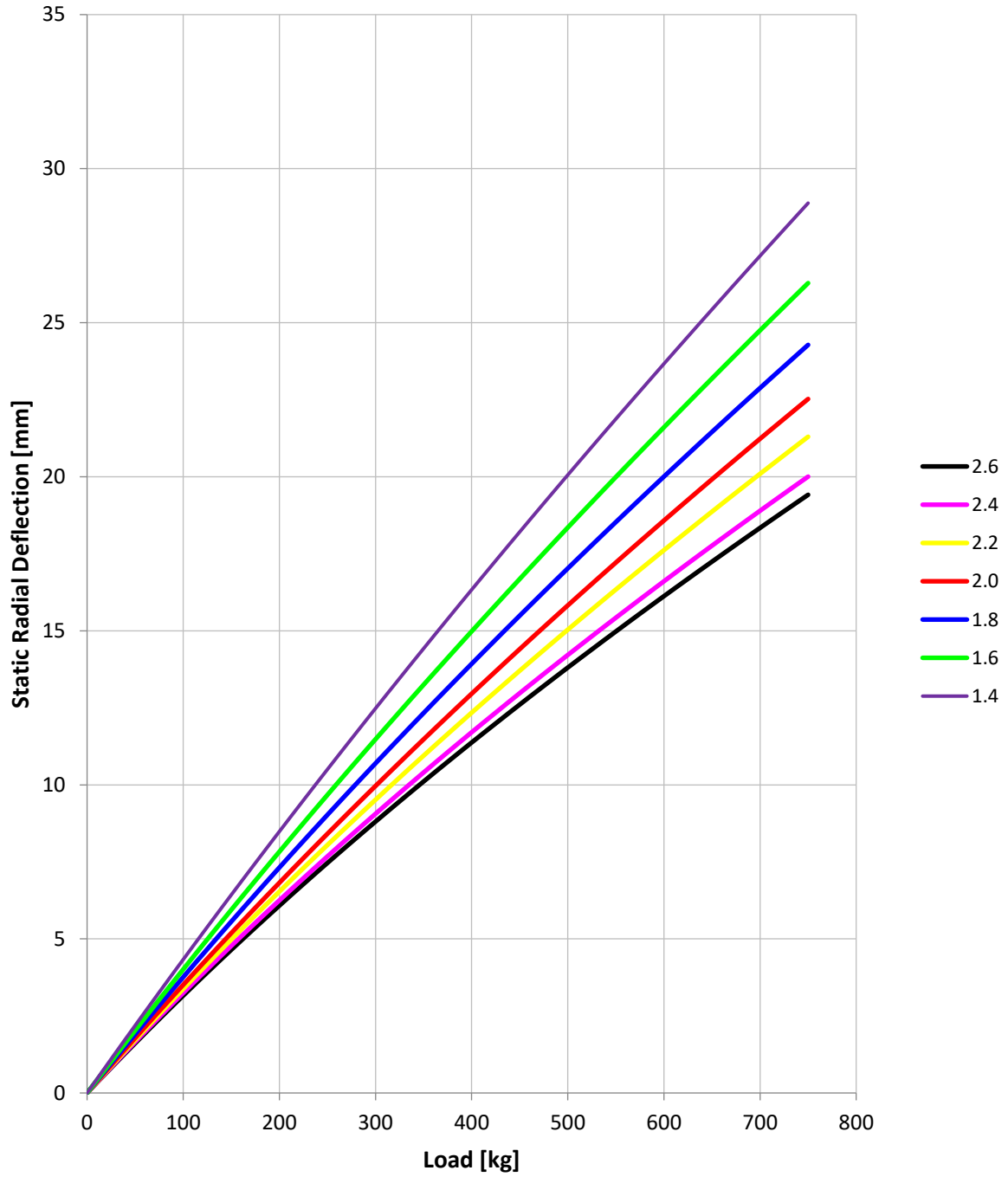


**STATIC RADIAL DEFLECTION – 305/660-18x11.0J @ CA 0.0 ° DHF**

Load [kg]	Inflation Pressure [bar]						
	2.6	2.4	2.2	2.0	1.8	1.6	1.4
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.8	0.8	0.9	0.9	1.0	1.0	1.1
50	1.6	1.7	1.7	1.8	1.9	2.0	2.2
75	2.4	2.5	2.6	2.7	2.8	3.0	3.3
100	3.2	3.2	3.4	3.5	3.8	4.0	4.3
125	3.9	4.0	4.2	4.4	4.7	5.0	5.4
150	4.6	4.8	5.0	5.2	5.6	5.9	6.4
175	5.4	5.5	5.8	6.0	6.4	6.9	7.5
200	6.1	6.3	6.5	6.8	7.3	7.8	8.5
225	6.8	7.0	7.3	7.6	8.2	8.8	9.5
250	7.5	7.7	8.0	8.4	9.0	9.7	10.5
275	8.1	8.4	8.8	9.2	9.9	10.6	11.5
300	8.8	9.1	9.5	10.0	10.7	11.5	12.5
325	9.5	9.7	10.2	10.7	11.5	12.4	13.5
350	10.1	10.4	10.9	11.5	12.3	13.2	14.4
375	10.7	11.1	11.6	12.2	13.1	14.1	15.4
400	11.4	11.7	12.3	13.0	13.9	15.0	16.3
425	12.0	12.3	13.0	13.7	14.7	15.8	17.3
450	12.6	13.0	13.7	14.4	15.5	16.7	18.2
475	13.2	13.6	14.4	15.1	16.3	17.5	19.1
500	13.8	14.2	15.0	15.8	17.0	18.4	20.1
525	14.4	14.8	15.7	16.5	17.8	19.2	21.0
550	15.0	15.4	16.3	17.2	18.5	20.0	21.9
575	15.6	16.0	17.0	17.9	19.3	20.8	22.8
600	16.1	16.6	17.6	18.6	20.0	21.6	23.7
625	16.7	17.2	18.2	19.3	20.7	22.4	24.6
650	17.2	17.8	18.9	19.9	21.5	23.2	25.4
675	17.8	18.3	19.5	20.6	22.2	24.0	26.3
700	18.3	18.9	20.1	21.2	22.9	24.7	27.2
725	18.9	19.5	20.7	21.9	23.6	25.5	28.0
750	19.4	20.0	21.3	22.5	24.3	26.3	28.9
775							
800							



STATIC RADIAL DEFLECTION – 305/660-18x11.0J @ CA 0.0° DHF





**STATIC RADIAL DEFLECTION – 305/660-18x11.0J @ CA -3.0 ° DHF**

Load [kg]	Inflation Pressure [bar]						
	2.6	2.4	2.2	2.0	1.8	1.6	1.4
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1.0	1.1	1.1	1.2	1.2	1.3	1.4
50	2.0	2.1	2.2	2.3	2.4	2.5	2.7
75	2.9	3.1	3.2	3.4	3.6	3.7	4.1
100	3.8	4.0	4.2	4.4	4.7	4.9	5.3
125	4.7	4.9	5.1	5.4	5.8	6.1	6.6
150	5.6	5.8	6.1	6.4	6.8	7.2	7.8
175	6.4	6.7	7.0	7.4	7.8	8.3	9.0
200	7.2	7.5	7.8	8.3	8.8	9.4	10.2
225	8.0	8.3	8.7	9.2	9.8	10.4	11.3
250	8.7	9.1	9.5	10.1	10.8	11.4	12.4
275	9.5	9.9	10.4	11.0	11.7	12.5	13.5
300	10.2	10.7	11.2	11.9	12.6	13.4	14.6
325	10.9	11.4	11.9	12.7	13.5	14.4	15.7
350	11.6	12.2	12.7	13.5	14.4	15.4	16.7
375	12.3	12.9	13.5	14.3	15.3	16.3	17.8
400	13.0	13.6	14.2	15.1	16.1	17.2	18.8
425	13.6	14.3	14.9	15.9	17.0	18.1	19.8
450	14.3	14.9	15.6	16.7	17.8	19.0	20.8
475	14.9	15.6	16.4	17.4	18.6	19.9	21.7
500	15.6	16.3	17.0	18.2	19.4	20.8	22.7
525	16.2	16.9	17.7	18.9	20.2	21.6	23.6
550	16.8	17.5	18.4	19.6	21.0	22.5	24.5
575	17.4	18.2	19.1	20.3	21.7	23.3	25.5
600	18.0	18.8	19.7	21.0	22.5	24.1	26.4
625	18.6	19.4	20.3	21.7	23.2	24.9	27.3
650	19.1	20.0	21.0	22.4	24.0	25.7	28.1
675	19.7	20.6	21.6	23.1	24.7	26.5	29.0
700	20.3	21.2	22.2	23.7	25.4	27.3	29.9
725	20.8	21.7	22.8	24.4	26.1	28.1	30.7
750	21.4	22.3	23.4	25.1	26.8	28.8	31.6
775							
800							





STATIC RADIAL DEFLECTION – 305/660-18x11.0J @ CA -3.0° DHF

