



TYRE DATA BOOKLET

285/645-18 DHF

285/645-18 WH

2022 | 2023

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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 (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
285/645-18 DHF 18"x11.0J	10.5	301	2037	280

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
285/645-18 WH 18"x11.0J	11.5	TBA	TBA	TBA



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

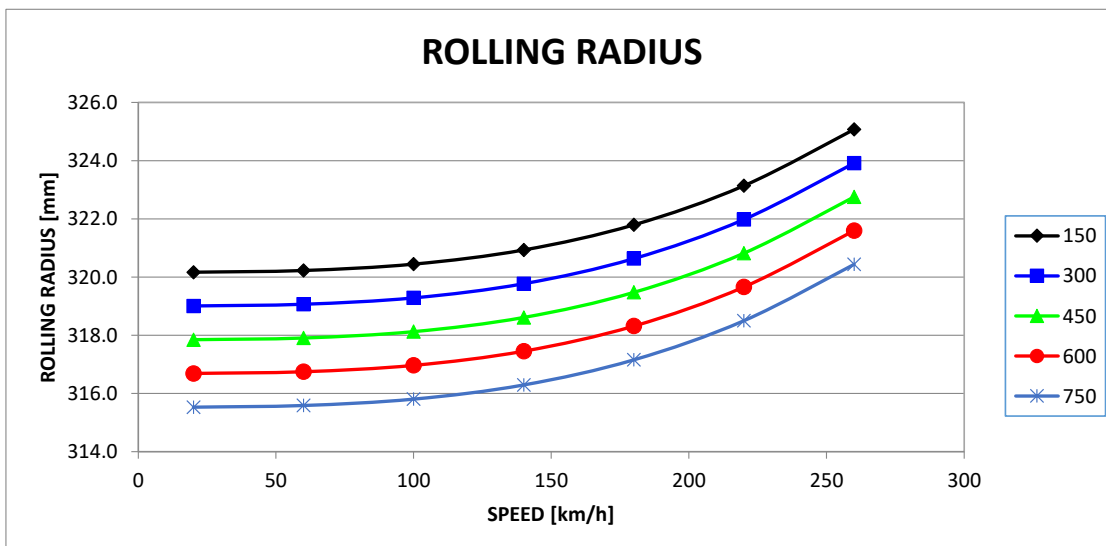
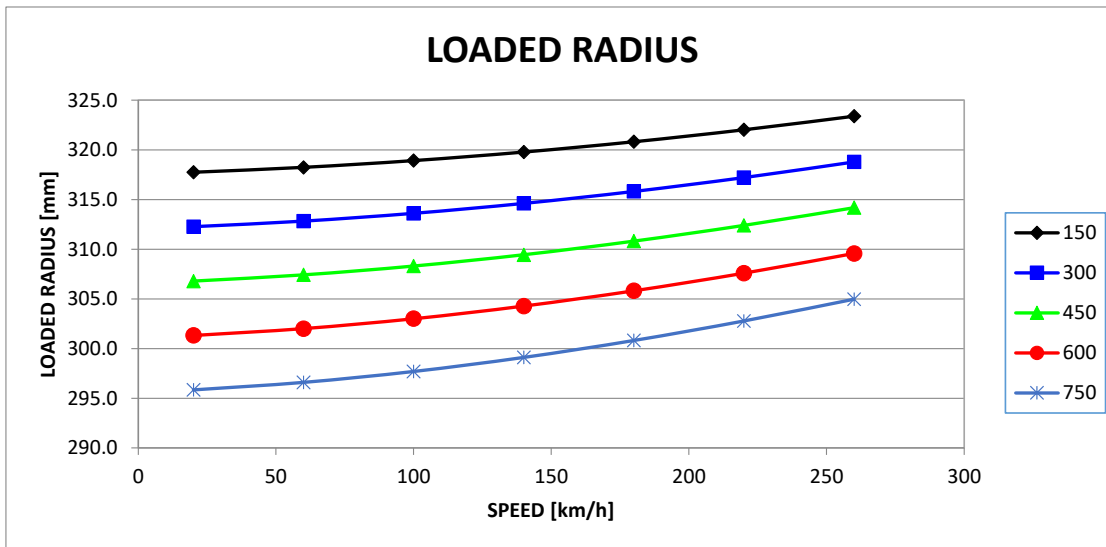
285/645-18x11.0J DHF

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	317.7	312.3	306.8	301.3	295.8
	60	318.2	312.8	307.4	302.0	296.6
	100	318.9	313.6	308.3	303.0	297.7
	140	319.8	314.6	309.4	304.3	299.1
	180	320.8	315.8	310.8	305.8	300.8
	220	322.0	317.2	312.4	307.6	302.8
	260	323.4	318.8	314.2	309.6	305.0
	280					
	300					

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	320.2	319.0	317.8	316.7	315.5
	60	320.2	319.1	317.9	316.7	315.6
	100	320.4	319.3	318.1	317.0	315.8
	140	320.9	319.8	318.6	317.5	316.3
	180	321.8	320.6	319.5	318.3	317.2
	220	323.1	322.0	320.8	319.7	318.5
	260	325.1	323.9	322.8	321.6	320.4
	280					
	300					





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

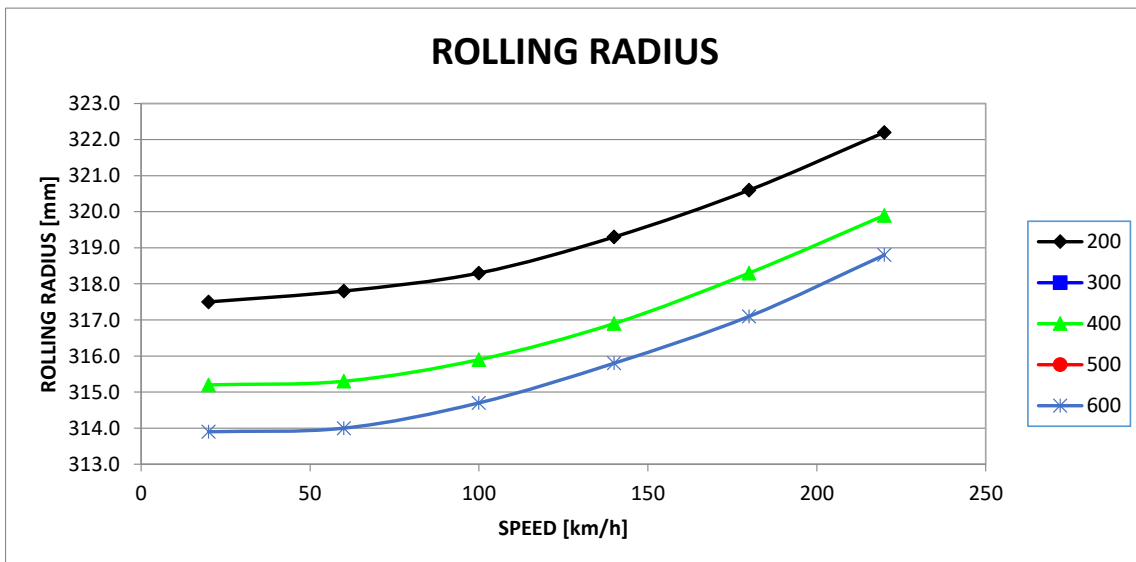
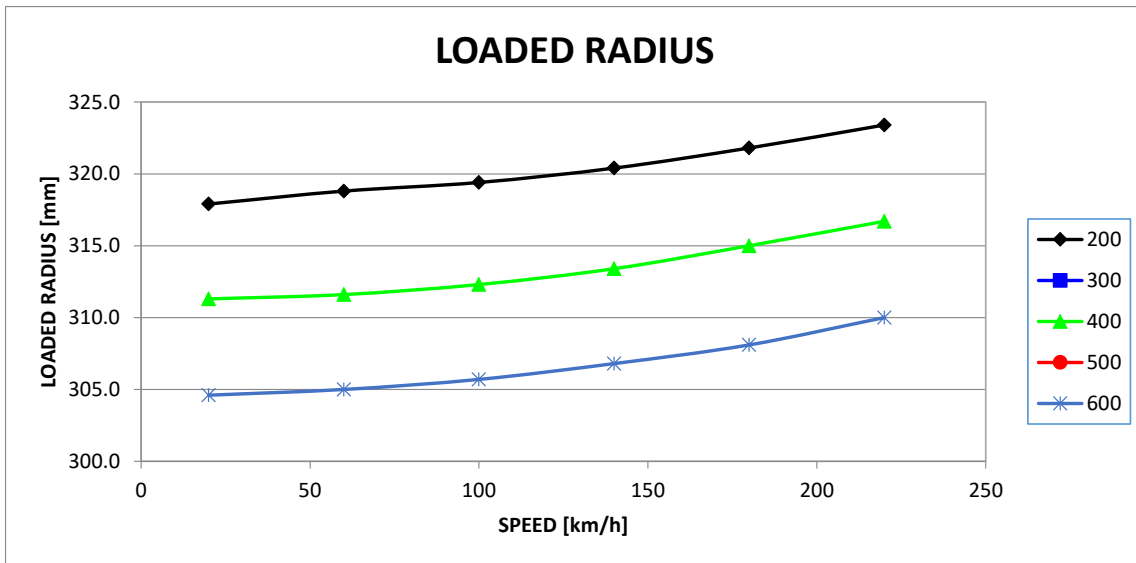
285/645-18x11.0J WH

LOADED RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	317.9		311.3		304.6
	60	318.8		311.6		305.0
	100	319.4		312.3		305.7
	140	320.4		313.4		306.8
	180	321.8		315.0		308.1
	220	323.4		316.7		310.0

ROLLING RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	317.5		315.2		313.9
	60	317.8		315.3		314.0
	100	318.3		315.9		314.7
	140	319.3		316.9		315.8
	180	320.6		318.3		317.1
	220	322.2		319.9		318.8



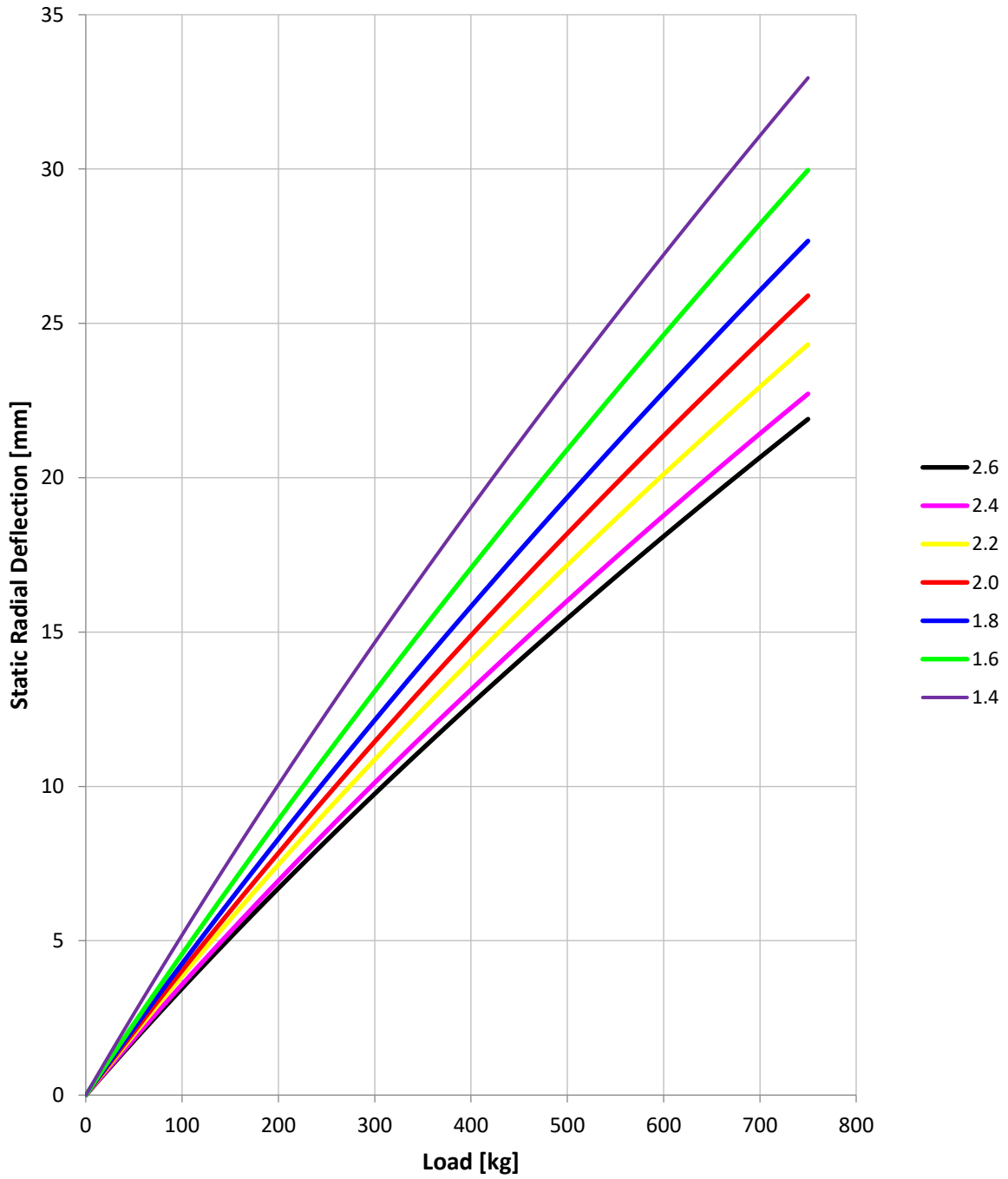


STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA 0.0 ° DHF

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	0.9	0.9	1.0	1.0	1.1	1.2	1.3
50	1.8	1.8	2.0	2.0	2.2	2.3	2.6
75	2.6	2.7	2.9	3.0	3.2	3.4	3.9
100	3.5	3.6	3.9	4.0	4.3	4.6	5.2
125	4.3	4.4	4.8	5.0	5.3	5.7	6.4
150	5.1	5.3	5.7	6.0	6.3	6.8	7.7
175	5.9	6.1	6.6	6.9	7.3	7.9	8.9
200	6.7	6.9	7.5	7.8	8.3	8.9	10.1
225	7.5	7.8	8.3	8.8	9.3	10.0	11.2
250	8.2	8.6	9.2	9.7	10.2	11.0	12.4
275	9.0	9.3	10.0	10.6	11.2	12.1	13.5
300	9.8	10.1	10.9	11.4	12.1	13.1	14.7
325	10.5	10.9	11.7	12.3	13.1	14.1	15.8
350	11.2	11.6	12.5	13.2	14.0	15.1	16.9
375	12.0	12.4	13.3	14.0	14.9	16.1	18.0
400	12.7	13.1	14.1	14.9	15.8	17.1	19.0
425	13.4	13.9	14.9	15.7	16.7	18.0	20.1
450	14.1	14.6	15.6	16.6	17.6	19.0	21.1
475	14.8	15.3	16.4	17.4	18.5	20.0	22.2
500	15.4	16.0	17.2	18.2	19.4	20.9	23.2
525	16.1	16.7	17.9	19.0	20.2	21.9	24.2
550	16.8	17.4	18.7	19.8	21.1	22.8	25.2
575	17.4	18.1	19.4	20.6	21.9	23.7	26.2
600	18.1	18.8	20.1	21.4	22.8	24.6	27.2
625	18.7	19.4	20.8	22.1	23.6	25.5	28.2
650	19.4	20.1	21.5	22.9	24.4	26.4	29.2
675	20.0	20.8	22.2	23.7	25.3	27.3	30.1
700	20.7	21.4	22.9	24.4	26.1	28.2	31.1
725	21.3	22.1	23.6	25.2	26.9	29.1	32.0
750	21.9	22.7	24.3	25.9	27.7	30.0	33.0
775							
800							



STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA 0.0° DHF





STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ 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	1.2	1.2	1.3	1.4	1.4	1.5	1.6
50	2.3	2.4	2.5	2.6	2.8	3.0	3.2
75	3.4	3.6	3.7	3.9	4.1	4.4	4.7
100	4.5	4.6	4.9	5.1	5.4	5.8	6.2
125	5.5	5.7	5.9	6.2	6.6	7.1	7.6
150	6.5	6.7	7.0	7.4	7.8	8.4	9.0
175	7.4	7.7	8.0	8.5	8.9	9.6	10.3
200	8.3	8.6	9.0	9.5	10.1	10.8	11.6
225	9.2	9.5	10.0	10.5	11.2	12.0	12.9
250	10.1	10.4	10.9	11.6	12.2	13.2	14.2
275	10.9	11.3	11.9	12.5	13.3	14.3	15.4
300	11.7	12.1	12.7	13.5	14.3	15.4	16.6
325	12.5	12.9	13.6	14.4	15.3	16.5	17.8
350	13.3	13.7	14.5	15.3	16.3	17.5	18.9
375	14.1	14.5	15.3	16.2	17.2	18.6	20.1
400	14.8	15.3	16.1	17.1	18.2	19.6	21.2
425	15.5	16.1	16.9	18.0	19.1	20.6	22.3
450	16.2	16.8	17.7	18.8	20.0	21.6	23.4
475	16.9	17.5	18.5	19.7	20.9	22.6	24.4
500	17.6	18.3	19.3	20.5	21.8	23.5	25.5
525	18.3	19.0	20.0	21.3	22.7	24.5	26.5
550	19.0	19.7	20.7	22.1	23.5	25.4	27.5
575	19.6	20.3	21.5	22.9	24.4	26.3	28.5
600	20.3	21.0	22.2	23.7	25.2	27.2	29.5
625	20.9	21.7	22.9	24.4	26.0	28.1	30.4
650	21.6	22.3	23.6	25.2	26.8	28.9	31.4
675	22.2	23.0	24.3	25.9	27.6	29.8	32.4
700	22.8	23.6	24.9	26.6	28.4	30.7	33.3
725	23.4	24.2	25.6	27.4	29.2	31.5	34.2
750	24.0	24.8	26.3	28.1	30.0	32.3	35.1
775							
800							



STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA -3.0° DHF

