



TYRE DATA BOOKLET

275/645-18 DH

275/645-18 WH

2020

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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)
275/645-18 DH 18"x10.0J	9.8	282	2040	280

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
275/645-18 WH 18"x10.0J	TBA	TBA	TBA	TBA



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

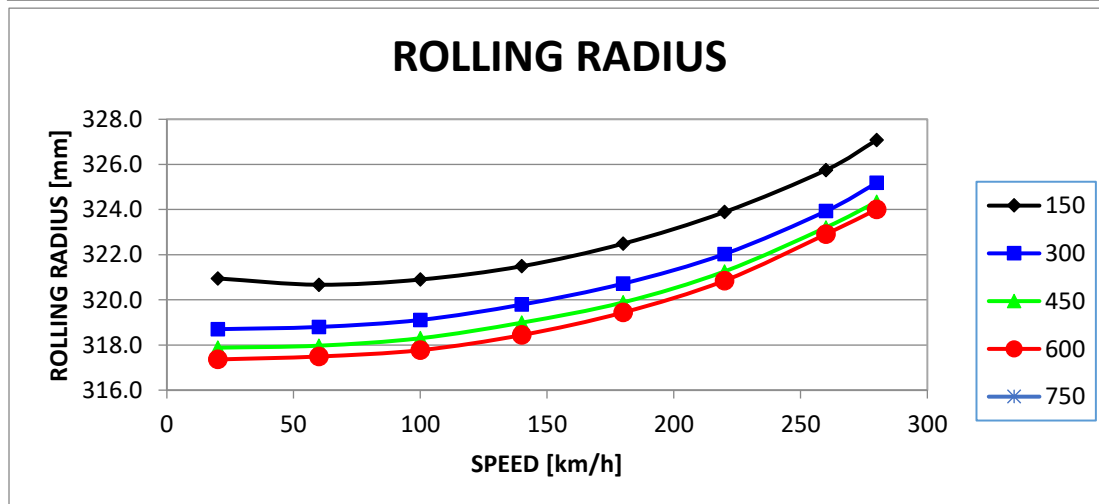
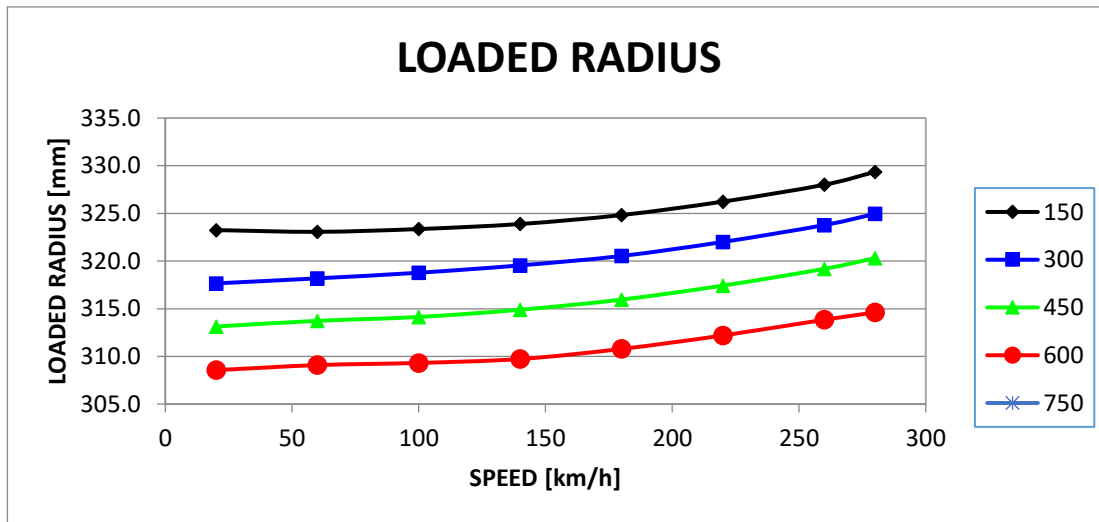
275/645-18x10.0J DH

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	323.2	317.7	313.1	308.6	
	60	323.1	318.2	313.7	309.1	
	100	323.4	318.8	314.1	309.3	
	140	323.9	319.5	314.9	309.7	
	180	324.8	320.5	316.0	310.8	
	220	326.2	322.0	317.4	312.2	
	260	328.0	323.8	319.2	313.8	
280	329.4	324.9	320.3	314.6		

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	321.0	318.7	317.9	317.4	
	60	320.7	318.8	318.0	317.5	
	100	320.9	319.1	318.3	317.8	
	140	321.5	319.8	319.0	318.4	
	180	322.5	320.7	319.9	319.4	
	220	323.9	322.0	321.3	320.9	
	260	325.8	323.9	323.2	322.9	
280	327.1	325.2	324.3	324.0		





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

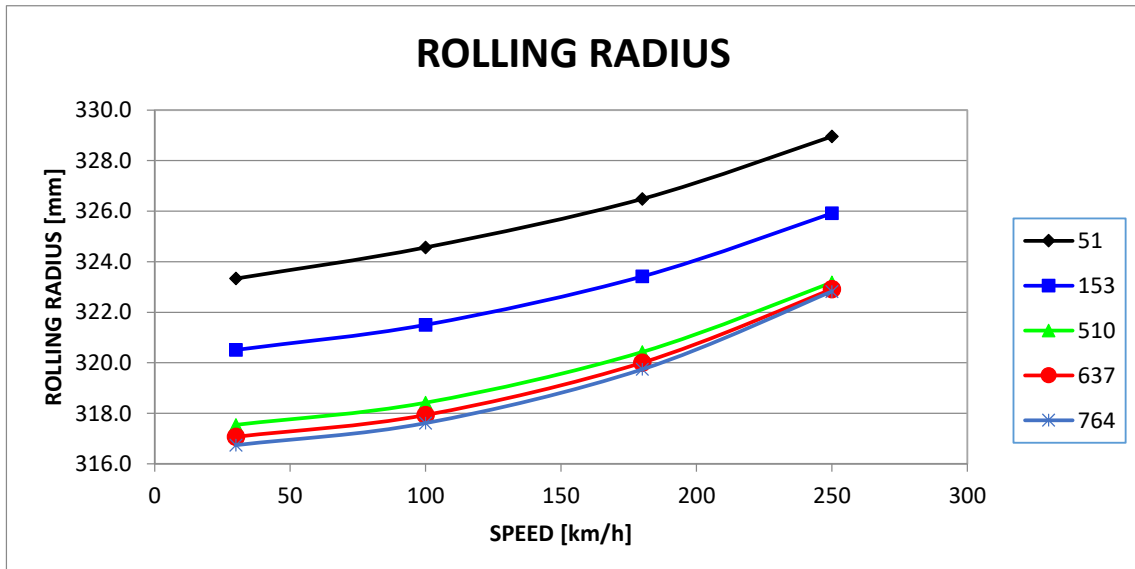
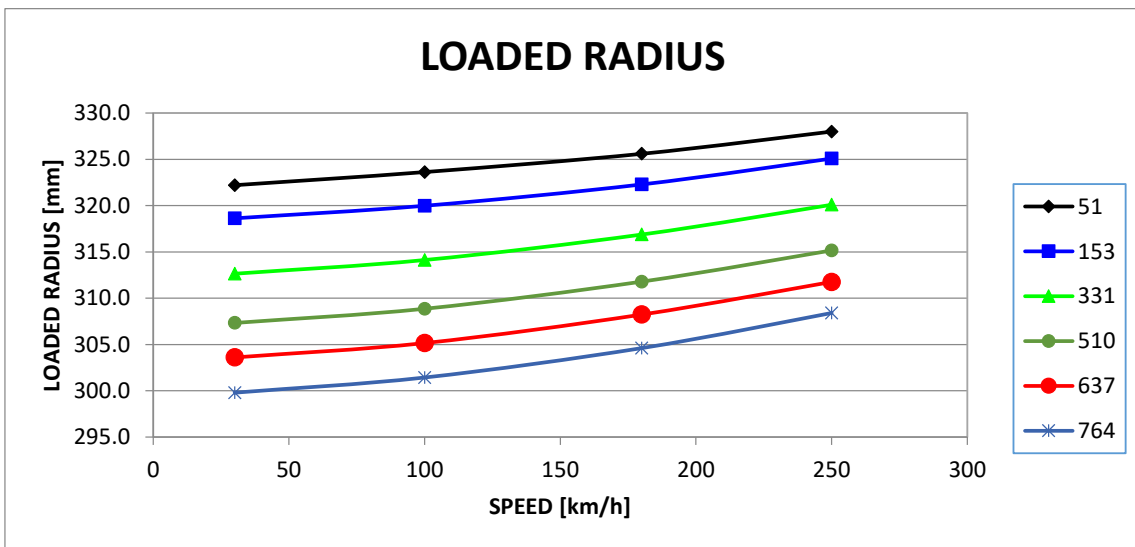
275/645-18x10.0J WH

LOADED RADIUS

		LOAD [kg]					
		51	153	331	510	637	764
SPEED [km/h]	30	322.2	318.6	312.6	307.3	303.6	299.8
	100	323.6	320.0	314.1	308.9	305.2	301.4
	180	325.6	322.3	316.9	311.8	308.2	304.6
	250	328.0	325.1	320.1	315.2	311.8	308.4

ROLLING RADIUS

		LOAD [kg]					
		51	153	331	510	637	764
SPEED [km/h]	30	323.3	320.5	318.6	317.5	317.1	316.7
	100	324.6	321.5	319.5	318.4	317.9	317.6
	180	326.5	323.4	321.4	320.4	320.0	319.7
	250	329.0	325.9	324.0	323.2	322.9	322.8



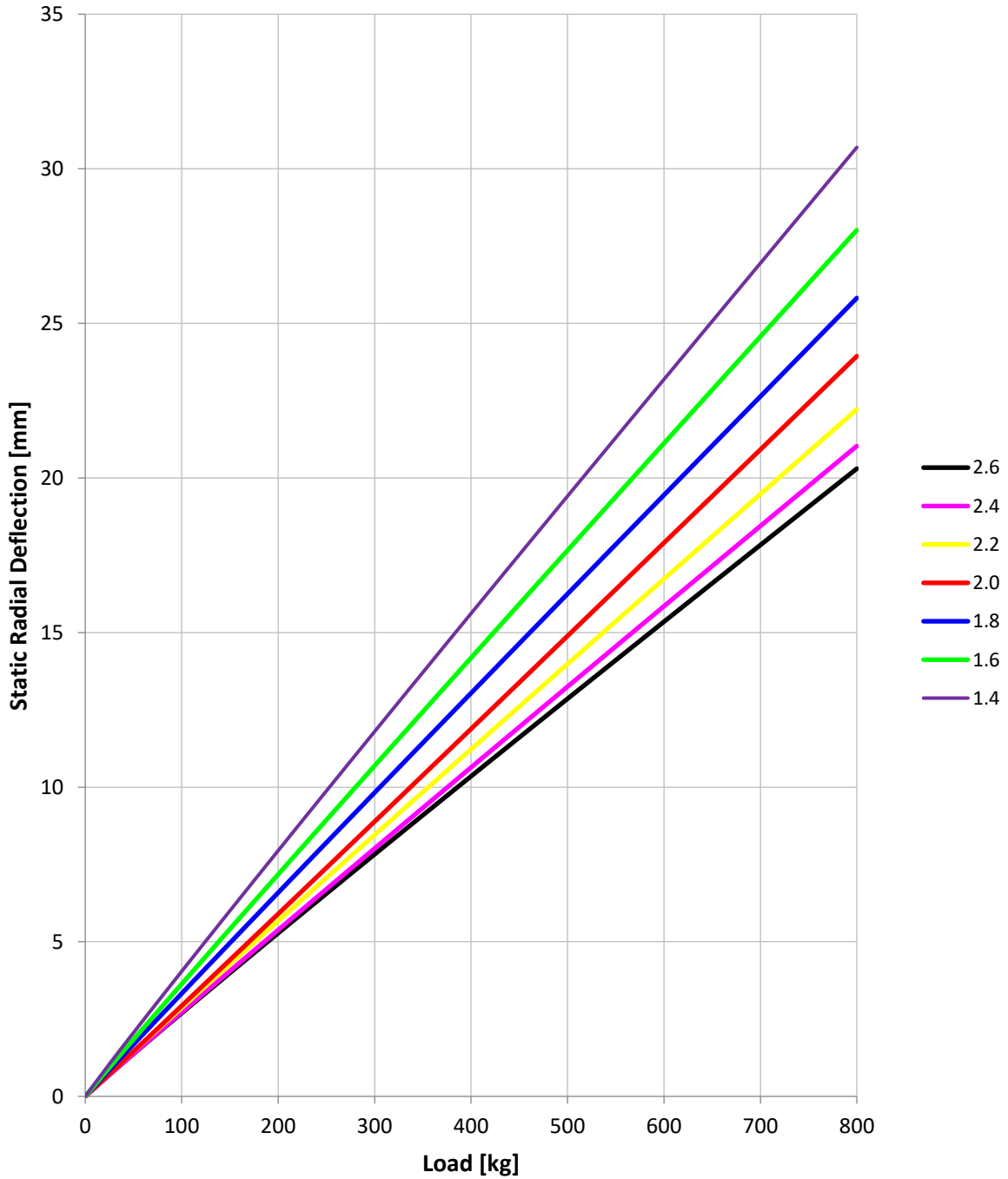


STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA 0.0 ° DH

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	0.7	0.7	0.7	0.7	0.8	0.9	1.0
50	1.4	1.4	1.4	1.5	1.7	1.8	2.1
75	2.0	2.1	2.2	2.2	2.5	2.7	3.1
100	2.7	2.7	2.9	2.9	3.3	3.6	4.0
125	3.3	3.4	3.6	3.7	4.1	4.5	5.0
150	4.0	4.1	4.3	4.4	5.0	5.4	6.0
175	4.6	4.7	5.0	5.2	5.8	6.3	7.0
200	5.3	5.4	5.7	5.9	6.6	7.2	7.9
225	5.9	6.0	6.4	6.6	7.4	8.1	8.9
250	6.6	6.7	7.1	7.4	8.2	8.9	9.9
275	7.2	7.4	7.8	8.1	9.0	9.8	10.8
300	7.8	8.0	8.5	8.9	9.8	10.7	11.8
325	8.5	8.7	9.1	9.6	10.6	11.6	12.8
350	9.1	9.3	9.8	10.4	11.4	12.4	13.7
375	9.7	10.0	10.5	11.1	12.2	13.3	14.7
400	10.4	10.6	11.2	11.9	13.0	14.2	15.6
425	11.0	11.3	11.9	12.6	13.8	15.1	16.6
450	11.6	11.9	12.6	13.4	14.6	15.9	17.5
475	12.2	12.6	13.3	14.1	15.4	16.8	18.5
500	12.9	13.2	14.0	14.9	16.2	17.7	19.4
525	13.5	13.9	14.7	15.6	17.0	18.5	20.4
550	14.1	14.6	15.4	16.4	17.8	19.4	21.3
575	14.7	15.2	16.0	17.1	18.6	20.3	22.2
600	15.4	15.9	16.7	17.9	19.4	21.1	23.2
625	16.0	16.5	17.4	18.7	20.2	22.0	24.1
650	16.6	17.1	18.1	19.4	21.0	22.8	25.1
675	17.2	17.8	18.8	20.2	21.8	23.7	26.0
700	17.8	18.4	19.5	20.9	22.6	24.6	26.9
725	18.5	19.1	20.2	21.7	23.4	25.4	27.9
750	19.1	19.7	20.8	22.4	24.2	26.3	28.8
775	19.7	20.4	21.5	23.2	25.0	27.2	29.8
800	20.3	21.0	22.2	23.9	25.8	28.0	30.7



STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA 0.0° DH





STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA -3.0 ° DH

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	1.2	1.1	1.4	1.4	1.5
50	2.1	2.1	2.2	2.1	2.5	2.7	2.8
75	3.0	3.0	3.2	3.1	3.6	3.8	4.0
100	3.8	3.8	4.1	4.0	4.6	4.9	5.2
125	4.6	4.7	4.9	4.9	5.5	6.0	6.3
150	5.4	5.5	5.8	5.7	6.5	7.0	7.4
175	6.1	6.2	6.6	6.6	7.4	8.0	8.5
200	6.8	7.0	7.4	7.4	8.4	9.0	9.6
225	7.5	7.8	8.2	8.3	9.3	10.0	10.7
250	8.3	8.5	8.9	9.1	10.2	11.0	11.8
275	8.9	9.2	9.7	9.9	11.0	12.0	12.8
300	9.6	9.9	10.5	10.7	11.9	12.9	13.9
325	10.3	10.7	11.2	11.5	12.8	13.9	14.9
350	11.0	11.4	11.9	12.3	13.6	14.8	15.9
375	11.6	12.1	12.7	13.1	14.5	15.8	17.0
400	12.3	12.8	13.4	13.9	15.3	16.7	18.0
425	12.9	13.4	14.1	14.7	16.1	17.6	19.0
450	13.6	14.1	14.8	15.5	17.0	18.5	20.0
475	14.2	14.8	15.5	16.2	17.8	19.4	21.0
500	14.8	15.5	16.2	17.0	18.6	20.3	22.0
525	15.4	16.1	16.9	17.8	19.4	21.2	22.9
550	16.1	16.8	17.6	18.6	20.2	22.1	23.9
575	16.7	17.5	18.3	19.3	21.0	23.0	24.9
600	17.3	18.1	19.0	20.1	21.8	23.8	25.9
625	17.9	18.8	19.7	20.8	22.6	24.7	26.8
650	18.5	19.4	20.4	21.6	23.4	25.6	27.8
675	19.1	20.1	21.0	22.3	24.2	26.5	28.8
700	19.7	20.7	21.7	23.1	25.0	27.3	29.7
725	20.3	21.3	22.4	23.8	25.7	28.2	30.7
750	20.9	22.0	23.0	24.6	26.5	29.0	31.6
775	21.5	22.6	23.7	25.3	27.3	29.9	32.6
800	22.1	23.2	24.4	26.0	28.1	30.7	33.5



STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA -3.0° DH

