



TYRE DATA BOOKLET

265/645-18 DHF

265/645-18 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)
265/645-18 DHF 18"x9.5J	10.4	272	2049	260
265/645-18 DHF 18"x10.0J	10.4	279	2047	260

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
265/645-18 WH 18"x9.0J	11.1	262	2039	TBA



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

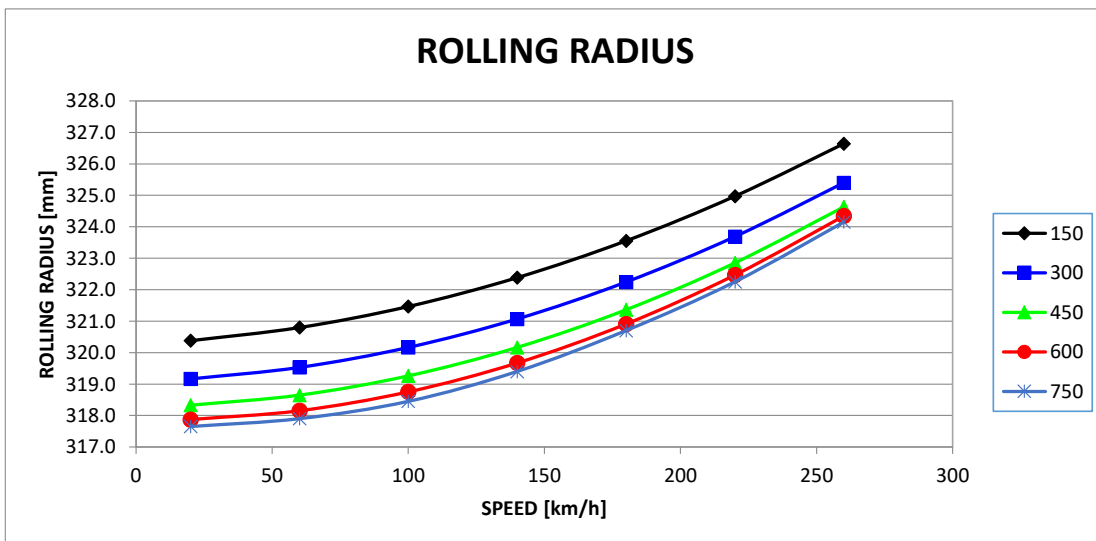
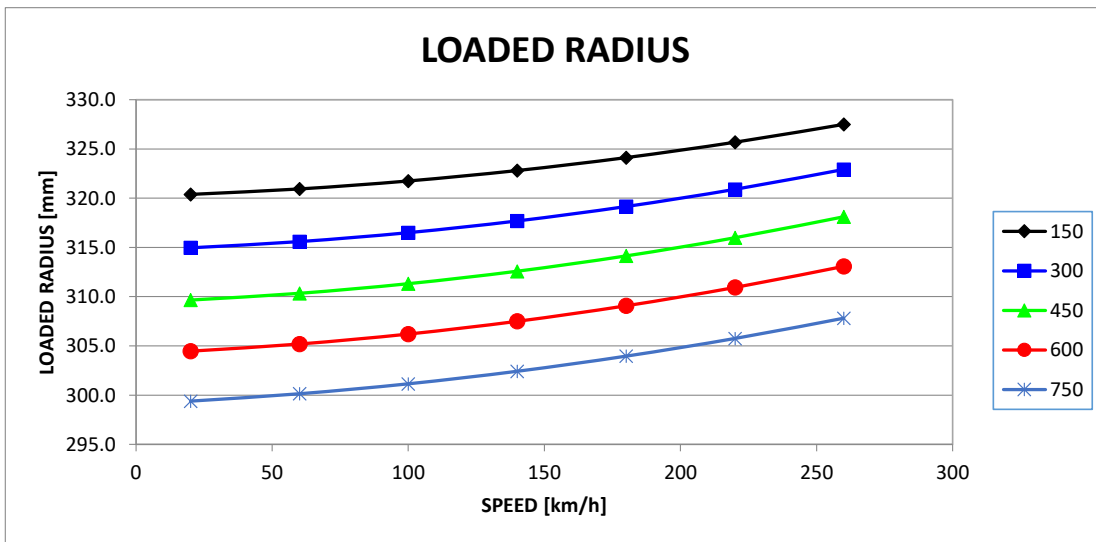
265/645-18x9.5J DHF

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	320.4	315.0	309.7	304.5	299.4
	60	320.9	315.6	310.3	305.2	300.1
	100	321.7	316.5	311.3	306.2	301.1
	140	322.8	317.7	312.6	307.5	302.4
	180	324.1	319.2	314.1	309.1	304.0
	220	325.7	320.9	316.0	310.9	305.8
	260	327.5	322.9	318.1	313.1	307.8
	280					
	300					

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	320.4	319.2	318.3	317.9	317.7
	60	320.8	319.5	318.6	318.2	317.9
	100	321.5	320.2	319.3	318.8	318.5
	140	322.4	321.1	320.2	319.7	319.4
	180	323.6	322.2	321.4	320.9	320.7
	220	325.0	323.7	322.9	322.5	322.3
	260	326.6	325.4	324.6	324.3	324.2
	280					
	300					





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

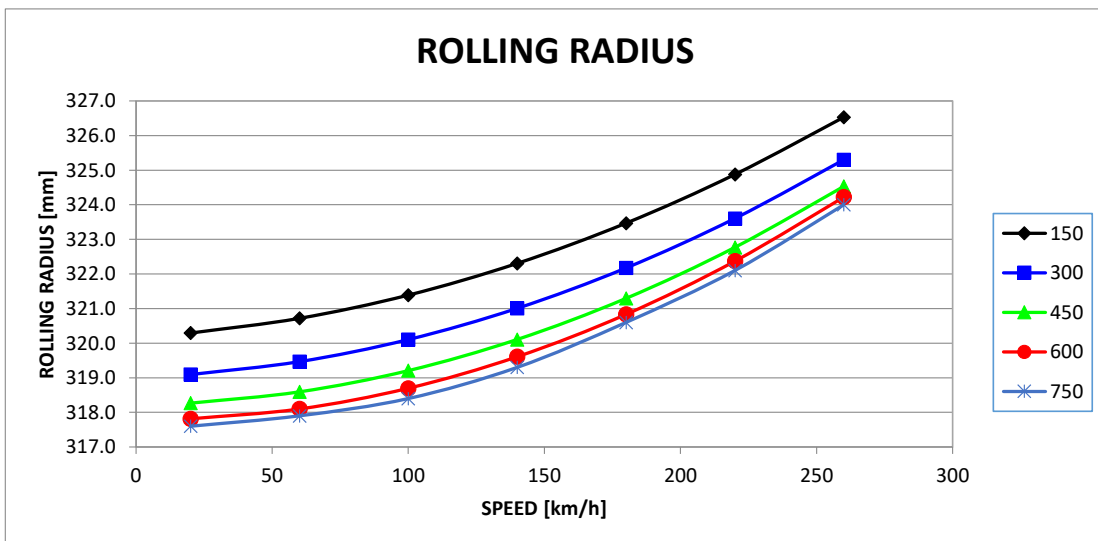
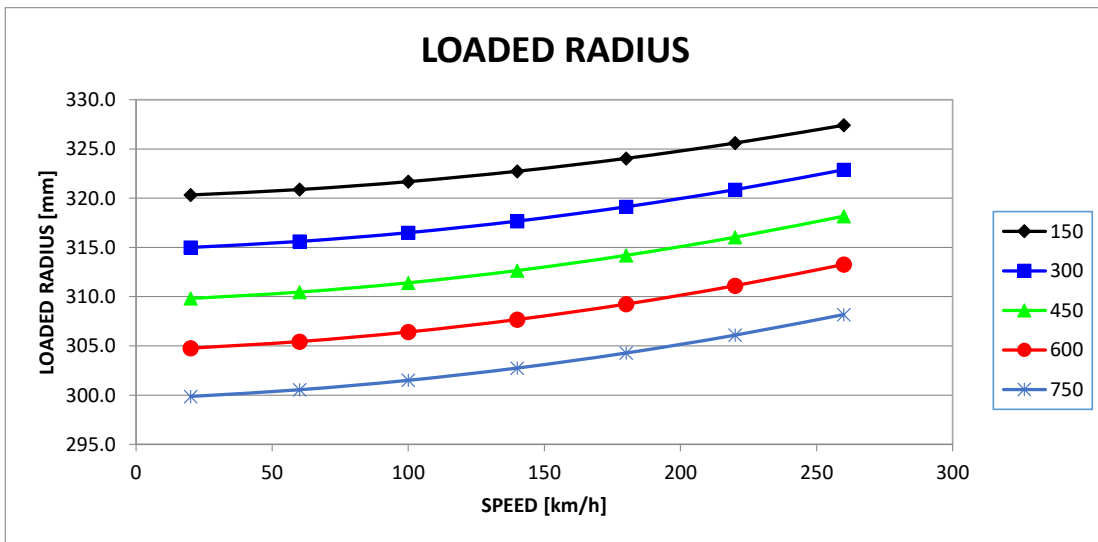
265/645-18x10.0J DHF

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	320.3	315.0	309.8	304.8	299.9
	60	320.9	315.6	310.5	305.4	300.5
	100	321.7	316.5	311.4	306.4	301.5
	140	322.7	317.7	312.7	307.7	302.7
	180	324.0	319.1	314.2	309.2	304.3
	220	325.6	320.9	316.0	311.1	306.1
	260	327.4	322.9	318.2	313.3	308.2
	280					
	300					

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	320.3	319.1	318.3	317.8	317.6
	60	320.7	319.5	318.6	318.1	317.9
	100	321.4	320.1	319.2	318.7	318.4
	140	322.3	321.0	320.1	319.6	319.3
	180	323.5	322.2	321.3	320.8	320.6
	220	324.9	323.6	322.8	322.4	322.1
	260	326.5	325.3	324.5	324.2	324.0
	280					
	300					





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

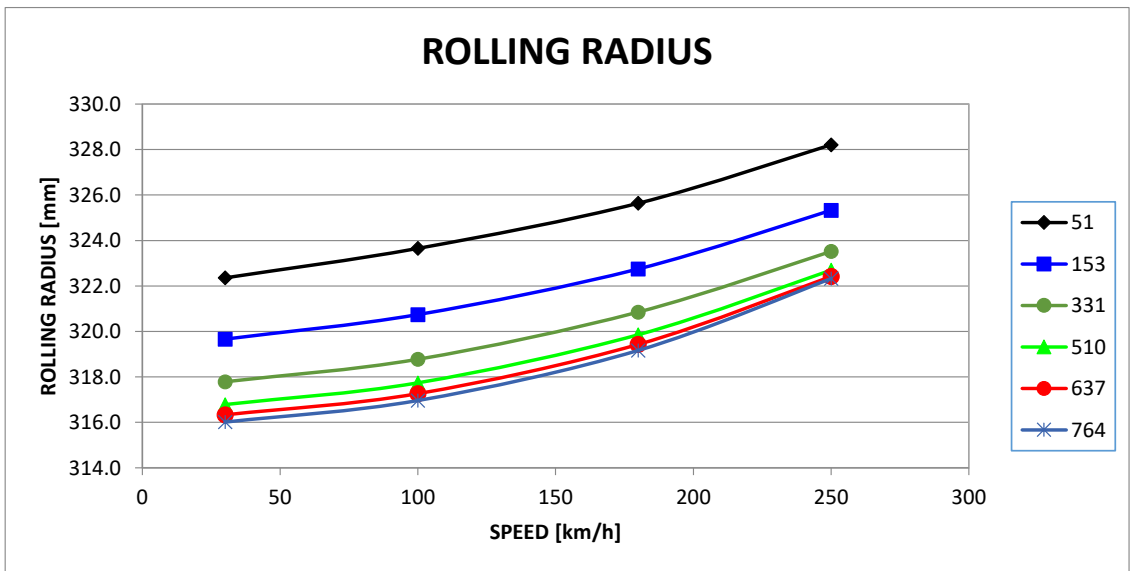
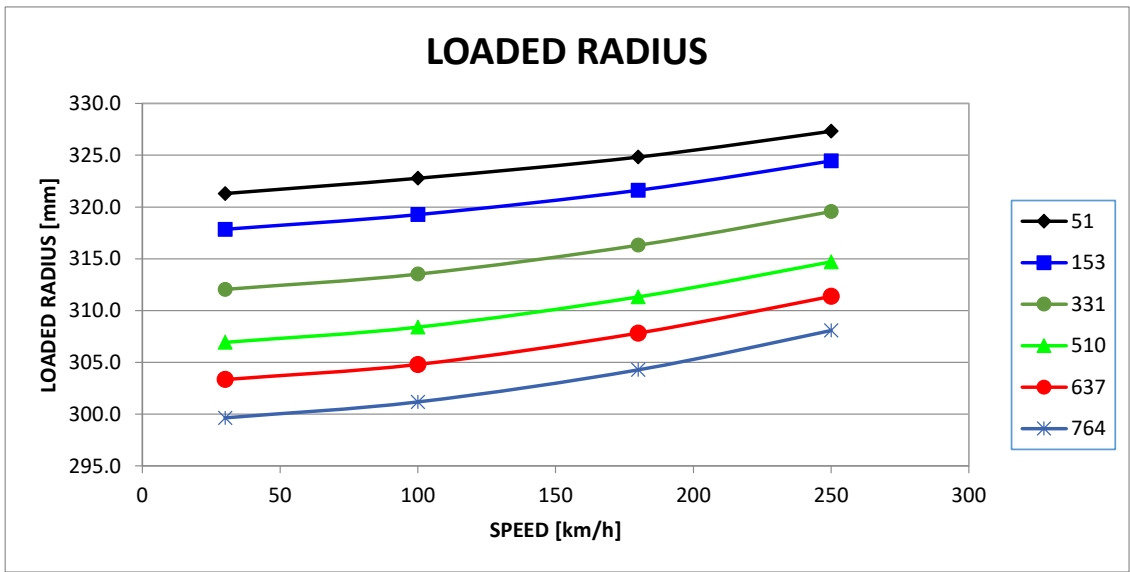
265/645-18x9.5J WH

LOADED RADIUS

		LOAD [kg]					
		51	153	331	510	637	764
SPEED [km/h]	30	321.3	317.8	312.0	306.9	303.3	299.6
	100	322.8	319.3	313.5	308.4	304.8	301.2
	180	324.8	321.6	316.3	311.3	307.8	304.3
	250	327.3	324.4	319.6	314.7	311.4	308.1

ROLLING RADIUS

		LOAD [kg]					
		51	153	331	510	637	764
SPEED [km/h]	30	322.4	319.7	317.8	316.8	316.3	316.0
	100	323.7	320.7	318.8	317.7	317.3	317.0
	180	325.6	322.7	320.9	319.9	319.4	319.2
	250	328.2	325.3	323.5	322.7	322.4	322.3



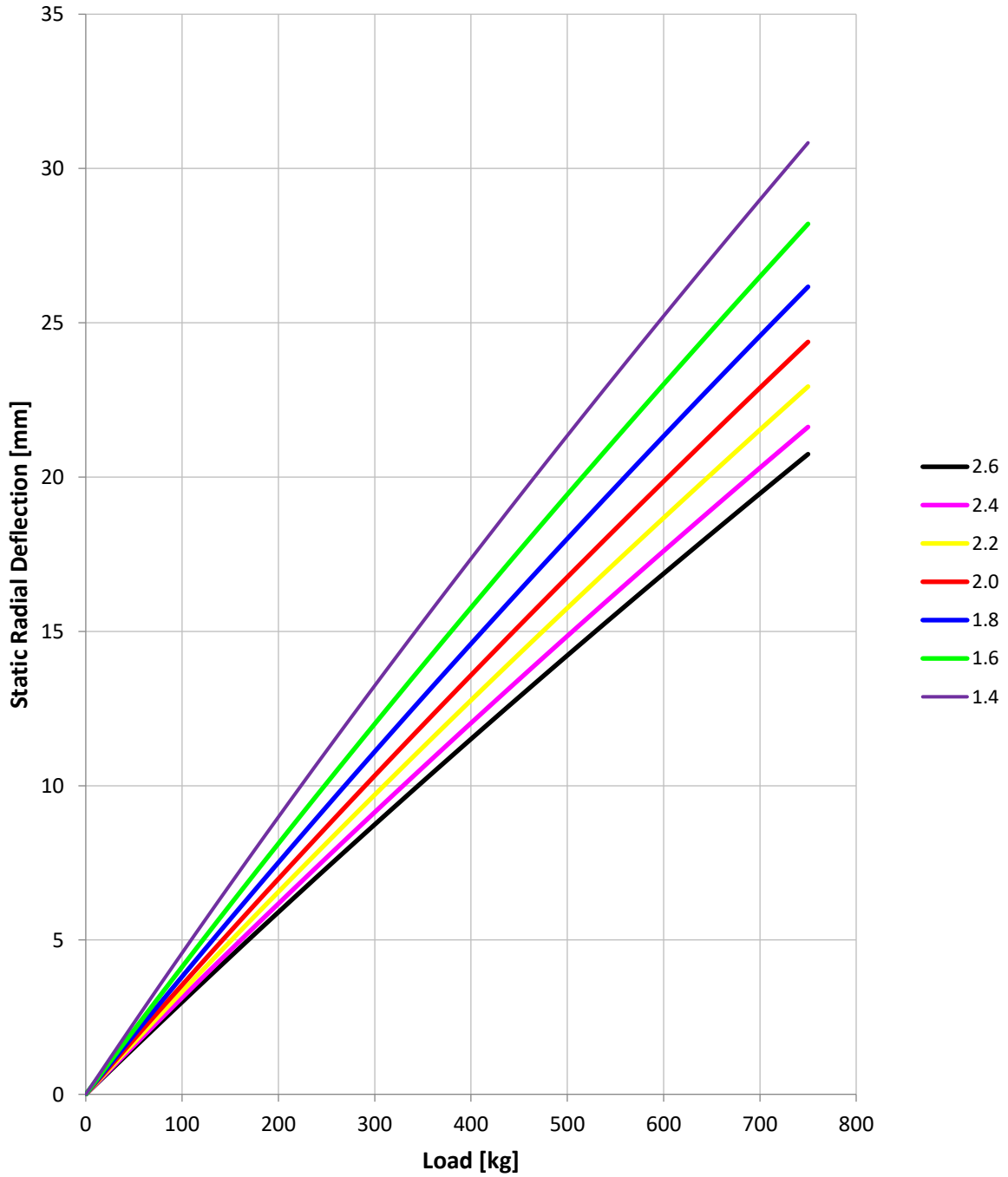


STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA 0.0 ° DHF

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	0.8	0.9	1.0	1.0	1.2
50	1.5	1.6	1.7	1.8	1.9	2.1	2.3
75	2.3	2.4	2.5	2.7	2.9	3.1	3.5
100	3.0	3.1	3.3	3.5	3.8	4.1	4.6
125	3.7	3.9	4.1	4.4	4.7	5.1	5.7
150	4.5	4.7	5.0	5.3	5.7	6.1	6.8
175	5.2	5.4	5.8	6.1	6.6	7.1	7.9
200	5.9	6.2	6.6	7.0	7.5	8.1	9.0
225	6.6	6.9	7.4	7.8	8.4	9.1	10.1
250	7.3	7.7	8.1	8.7	9.3	10.1	11.1
275	8.0	8.4	8.9	9.5	10.2	11.0	12.2
300	8.7	9.1	9.7	10.3	11.1	12.0	13.2
325	9.4	9.9	10.5	11.1	12.0	13.0	14.3
350	10.1	10.6	11.2	12.0	12.9	13.9	15.3
375	10.8	11.3	12.0	12.8	13.7	14.8	16.3
400	11.5	12.0	12.8	13.6	14.6	15.8	17.4
425	12.2	12.7	13.5	14.4	15.5	16.7	18.4
450	12.9	13.4	14.3	15.2	16.3	17.6	19.4
475	13.5	14.2	15.0	16.0	17.2	18.5	20.4
500	14.2	14.8	15.8	16.8	18.0	19.4	21.3
525	14.9	15.5	16.5	17.5	18.8	20.3	22.3
550	15.6	16.2	17.2	18.3	19.7	21.2	23.3
575	16.2	16.9	18.0	19.1	20.5	22.1	24.3
600	16.9	17.6	18.7	19.9	21.3	23.0	25.2
625	17.5	18.3	19.4	20.6	22.1	23.9	26.2
650	18.2	19.0	20.1	21.4	23.0	24.8	27.1
675	18.8	19.6	20.8	22.1	23.8	25.6	28.1
700	19.5	20.3	21.5	22.9	24.6	26.5	29.0
725	20.1	21.0	22.2	23.6	25.4	27.4	29.9
750	20.7	21.6	22.9	24.4	26.2	28.2	30.8
775							
800							



STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA 0.0° DHF



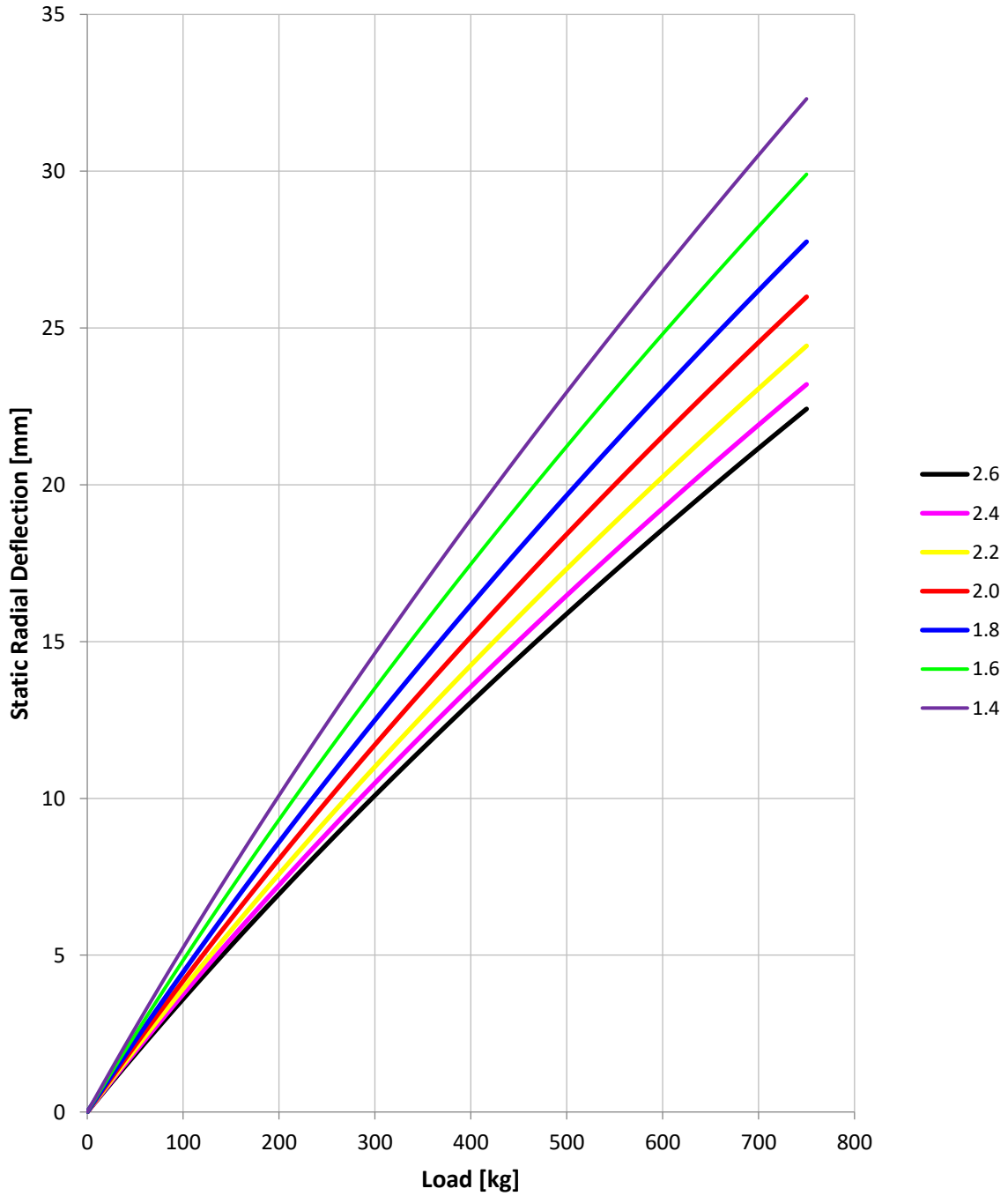


STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA -3.0 ° DHF

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	0.9	1.0	1.0	1.1	1.1	1.2	1.4
50	1.8	1.9	2.0	2.1	2.3	2.5	2.7
75	2.7	2.8	3.0	3.2	3.4	3.7	4.0
100	3.6	3.8	3.9	4.2	4.5	4.8	5.2
125	4.5	4.7	4.9	5.2	5.5	6.0	6.5
150	5.3	5.5	5.8	6.2	6.6	7.1	7.7
175	6.1	6.4	6.7	7.1	7.6	8.2	8.9
200	7.0	7.2	7.6	8.1	8.6	9.3	10.1
225	7.8	8.1	8.5	9.0	9.6	10.4	11.3
250	8.5	8.9	9.3	9.9	10.6	11.5	12.4
275	9.3	9.7	10.2	10.8	11.5	12.5	13.5
300	10.1	10.5	11.0	11.7	12.5	13.5	14.6
325	10.9	11.3	11.8	12.6	13.4	14.5	15.7
350	11.6	12.0	12.7	13.5	14.4	15.5	16.8
375	12.3	12.8	13.5	14.3	15.3	16.5	17.9
400	13.1	13.6	14.2	15.2	16.2	17.5	18.9
425	13.8	14.3	15.0	16.0	17.1	18.4	19.9
450	14.5	15.0	15.8	16.8	17.9	19.4	21.0
475	15.2	15.8	16.6	17.6	18.8	20.3	22.0
500	15.9	16.5	17.3	18.4	19.7	21.2	23.0
525	16.6	17.2	18.1	19.2	20.5	22.1	23.9
550	17.2	17.9	18.8	20.0	21.4	23.0	24.9
575	17.9	18.6	19.5	20.8	22.2	23.9	25.9
600	18.6	19.3	20.3	21.5	23.0	24.8	26.8
625	19.2	19.9	21.0	22.3	23.8	25.7	27.8
650	19.9	20.6	21.7	23.1	24.6	26.5	28.7
675	20.5	21.3	22.4	23.8	25.4	27.4	29.6
700	21.2	21.9	23.1	24.5	26.2	28.2	30.5
725	21.8	22.6	23.8	25.3	27.0	29.1	31.4
750	22.4	23.2	24.4	26.0	27.8	29.9	32.3
775							
800							



STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA -3.0° DHF



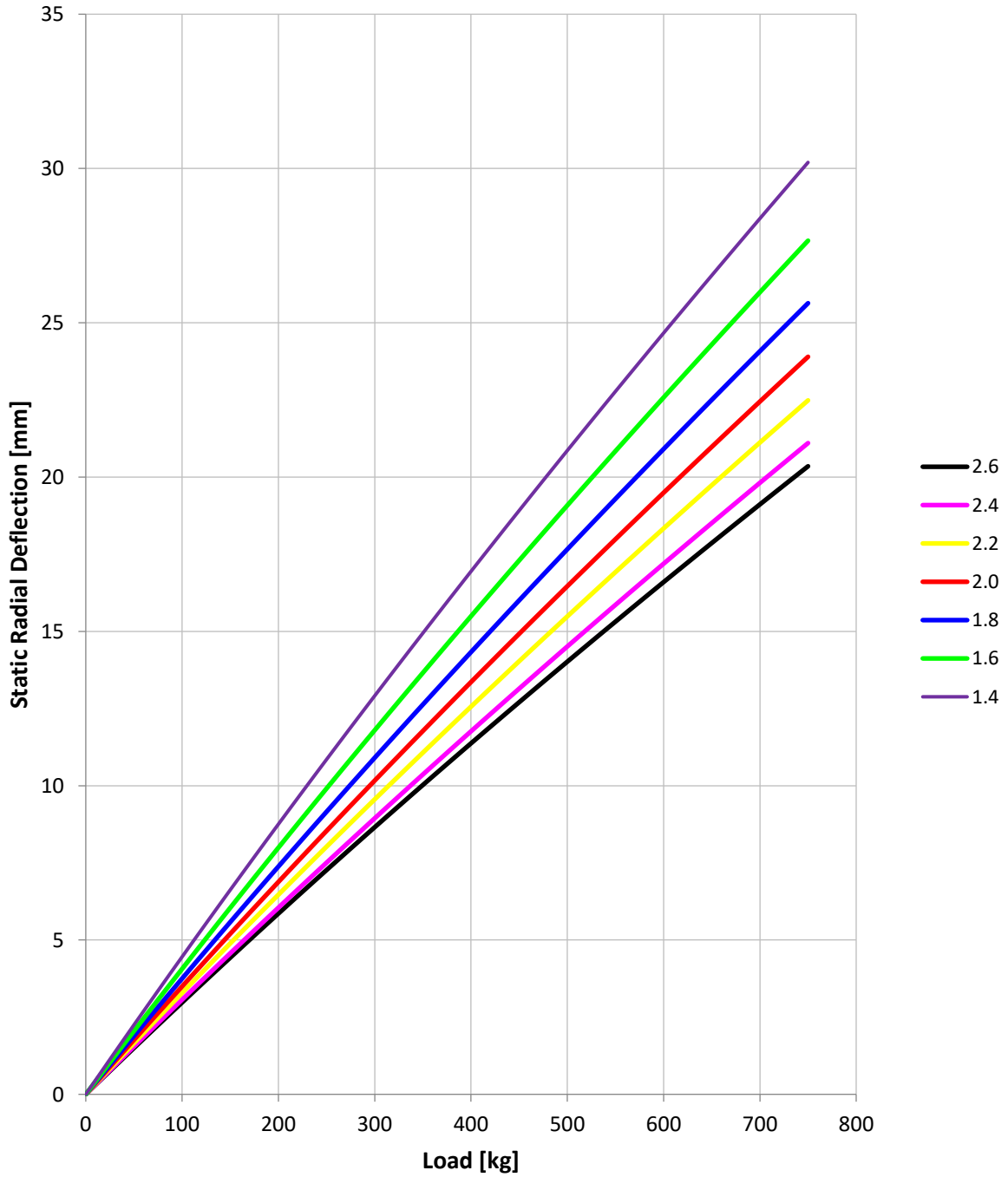


STATIC RADIAL DEFLECTION – 265/645-18x10.0J @ CA 0.0 ° DHF

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	0.8	0.9	0.9	1.0	1.1
50	1.5	1.5	1.7	1.8	1.9	2.0	2.2
75	2.2	2.3	2.5	2.6	2.8	3.1	3.4
100	3.0	3.1	3.3	3.5	3.8	4.1	4.5
125	3.7	3.8	4.1	4.4	4.7	5.1	5.5
150	4.4	4.6	4.9	5.2	5.6	6.0	6.6
175	5.1	5.3	5.7	6.0	6.5	7.0	7.7
200	5.9	6.0	6.5	6.9	7.4	8.0	8.8
225	6.6	6.8	7.2	7.7	8.3	9.0	9.8
250	7.3	7.5	8.0	8.5	9.2	9.9	10.8
275	8.0	8.2	8.8	9.4	10.0	10.9	11.9
300	8.7	8.9	9.6	10.2	10.9	11.8	12.9
325	9.3	9.7	10.3	11.0	11.8	12.7	13.9
350	10.0	10.4	11.1	11.8	12.6	13.7	14.9
375	10.7	11.1	11.8	12.6	13.5	14.6	15.9
400	11.4	11.8	12.6	13.4	14.3	15.5	16.9
425	12.0	12.5	13.3	14.1	15.2	16.4	17.9
450	12.7	13.1	14.0	14.9	16.0	17.3	18.9
475	13.4	13.8	14.8	15.7	16.8	18.2	19.9
500	14.0	14.5	15.5	16.5	17.7	19.1	20.9
525	14.7	15.2	16.2	17.2	18.5	20.0	21.8
550	15.3	15.9	16.9	18.0	19.3	20.8	22.8
575	16.0	16.5	17.6	18.7	20.1	21.7	23.7
600	16.6	17.2	18.3	19.5	20.9	22.6	24.7
625	17.2	17.9	19.0	20.2	21.7	23.4	25.6
650	17.9	18.5	19.7	21.0	22.5	24.3	26.5
675	18.5	19.2	20.4	21.7	23.3	25.1	27.5
700	19.1	19.8	21.1	22.4	24.1	26.0	28.4
725	19.7	20.5	21.8	23.2	24.9	26.8	29.3
750	20.4	21.1	22.5	23.9	25.6	27.7	30.2
775							
800							



STATIC RADIAL DEFLECTION – 265/645-18x10.0J @ CA 0.0° DHF





STATIC RADIAL DEFLECTION – 265/645-18x10.0J @ 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	0.9	1.0	1.0	1.1	1.1	1.2	1.3
50	1.8	1.9	2.0	2.1	2.2	2.4	2.6
75	2.7	2.8	2.9	3.1	3.3	3.6	3.9
100	3.6	3.7	3.9	4.1	4.4	4.8	5.1
125	4.5	4.6	4.8	5.1	5.4	5.9	6.3
150	5.3	5.5	5.7	6.1	6.4	7.0	7.5
175	6.1	6.3	6.6	7.0	7.5	8.1	8.7
200	6.9	7.1	7.5	8.0	8.4	9.2	9.9
225	7.7	8.0	8.3	8.9	9.4	10.2	11.0
250	8.5	8.8	9.2	9.8	10.4	11.3	12.2
275	9.3	9.6	10.0	10.7	11.3	12.3	13.3
300	10.0	10.3	10.8	11.6	12.3	13.3	14.3
325	10.8	11.1	11.6	12.4	13.2	14.3	15.4
350	11.5	11.9	12.4	13.3	14.1	15.3	16.5
375	12.3	12.6	13.2	14.1	15.0	16.2	17.5
400	13.0	13.4	14.0	15.0	15.9	17.2	18.6
425	13.7	14.1	14.8	15.8	16.7	18.1	19.6
450	14.4	14.8	15.5	16.6	17.6	19.1	20.6
475	15.1	15.5	16.3	17.4	18.5	20.0	21.6
500	15.7	16.2	17.0	18.2	19.3	20.9	22.6
525	16.4	16.9	17.7	18.9	20.1	21.8	23.5
550	17.1	17.6	18.5	19.7	21.0	22.7	24.5
575	17.7	18.3	19.2	20.5	21.8	23.6	25.5
600	18.4	18.9	19.9	21.2	22.6	24.4	26.4
625	19.0	19.6	20.6	22.0	23.4	25.3	27.3
650	19.6	20.2	21.3	22.7	24.2	26.1	28.3
675	20.3	20.9	22.0	23.4	24.9	27.0	29.2
700	20.9	21.5	22.6	24.2	25.7	27.8	30.1
725	21.5	22.1	23.3	24.9	26.5	28.6	31.0
750	22.1	22.8	24.0	25.6	27.2	29.4	31.9
775							
800							



STATIC RADIAL DEFLECTION – 265/645-18x10.0J @ CA -3.0° DHF

