



## TYRE DATA BOOKLET

**265/645-18 DH**

**265/645-18 DHB**

**265/645-18 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 ( $\pi D$ )	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
<b>265/645-18</b> <b>DH</b> <b>18"x9.5J</b>	10.3	268	2045	260
<b>265/645-18</b> <b>DHB</b> <b>18"x9.5J</b>	10.4	272	2047	260
<b>265/645-18</b> <b>DHB</b> <b>18"x10.0J</b>	10.4	280	2045	260

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference ( $\pi D$ )	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
<b>265/645-18</b> <b>WH</b>	TBA	262	2039	TBA



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

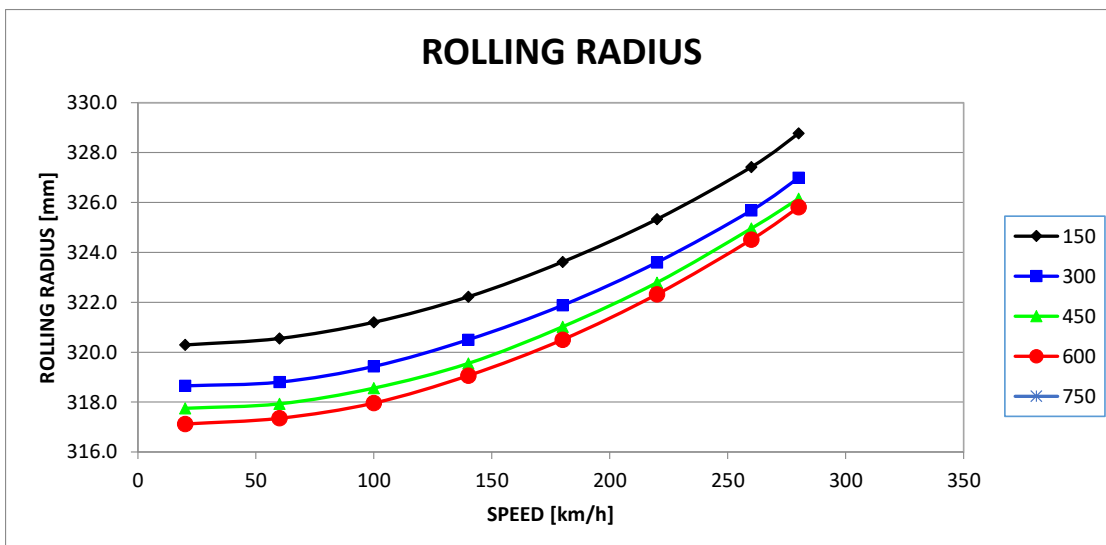
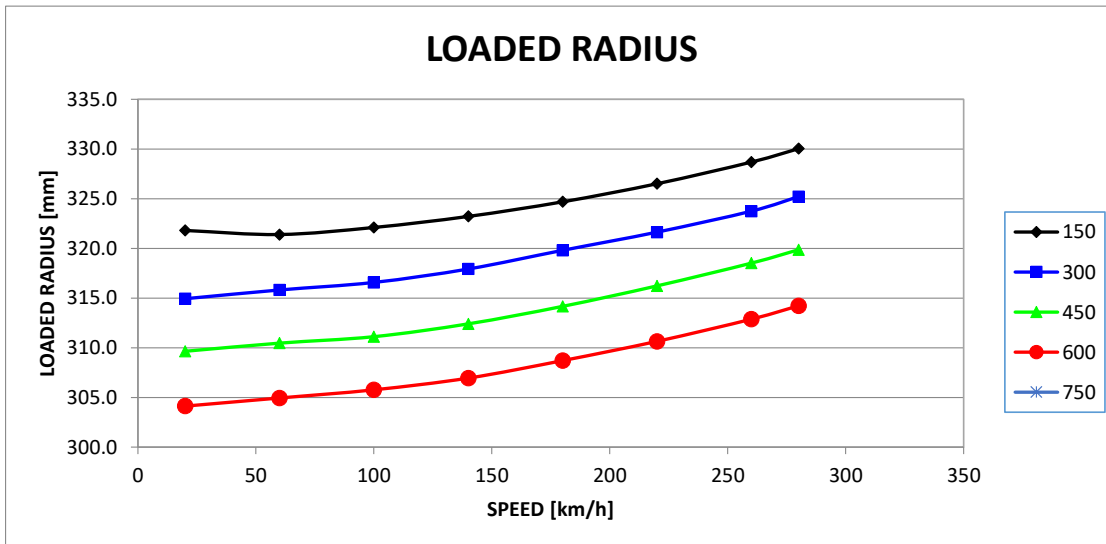
265/645-18x9.5J DH

**LOADED RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	321.8	314.9	309.6	304.1	
	60	321.4	315.8	310.5	304.9	
	100	322.1	316.6	311.1	305.8	
	140	323.2	317.9	312.4	306.9	
	180	324.7	319.8	314.2	308.7	
	220	326.5	321.6	316.2	310.6	
	260	328.7	323.7	318.5	312.9	
	280	330.0	325.2	319.9	314.2	
	300					

**ROLLING RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	320.3	318.6	317.8	317.1	
	60	320.5	318.8	317.9	317.4	
	100	321.2	319.4	318.6	318.0	
	140	322.2	320.5	319.5	319.1	
	180	323.6	321.9	321.0	320.5	
	220	325.3	323.6	322.8	322.3	
	260	327.4	325.7	325.0	324.5	
	280	328.8	327.0	326.1	325.8	
	300					





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

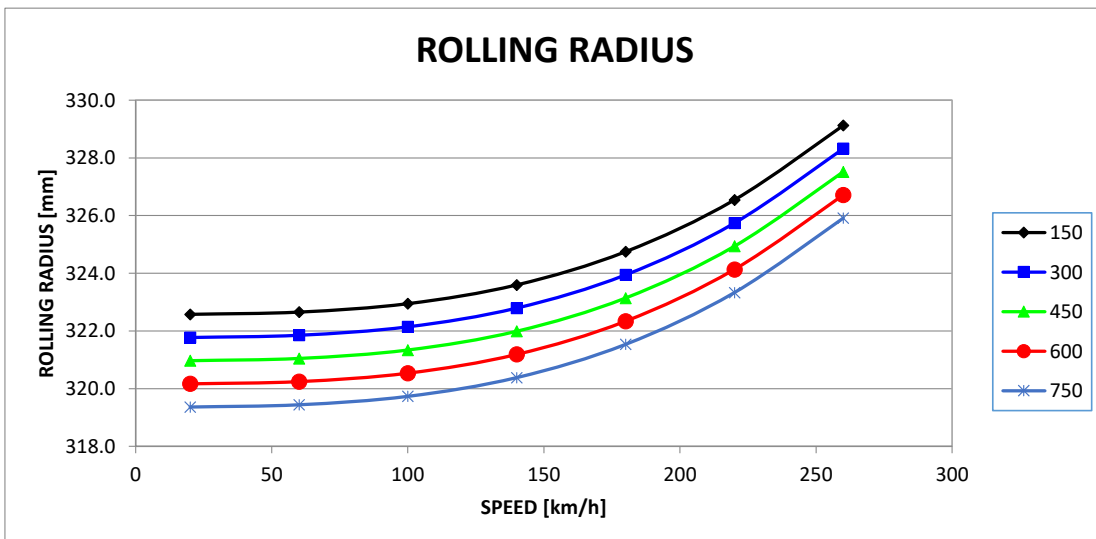
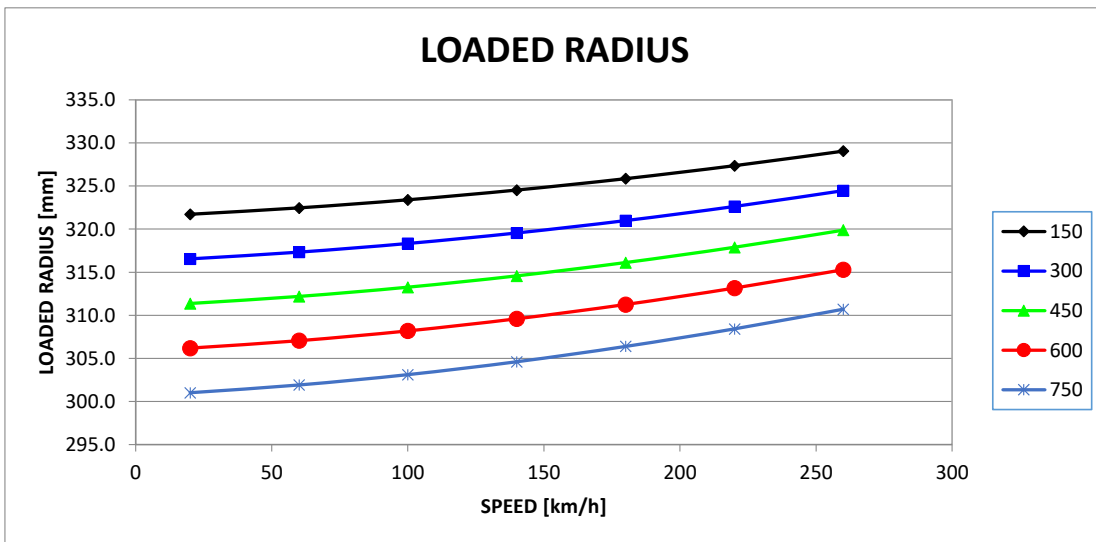
265/645-18x9.5J DHB

**LOADED RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	321.7	316.5	311.4	306.2	301.0
	60	322.5	317.3	312.2	307.1	301.9
	100	323.4	318.3	313.3	308.2	303.1
	140	324.5	319.6	314.6	309.6	304.6
	180	325.9	321.0	316.1	311.3	306.4
	220	327.4	322.6	317.9	313.2	308.4
	260	329.1	324.5	319.9	315.3	310.7
	280					
	300					

**ROLLING RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	322.6	321.8	321.0	320.2	319.4
	60	322.7	321.8	321.0	320.2	319.4
	100	322.9	322.1	321.3	320.5	319.7
	140	323.6	322.8	322.0	321.2	320.4
	180	324.7	323.9	323.1	322.3	321.5
	220	326.5	325.7	324.9	324.1	323.3
	260	329.1	328.3	327.5	326.7	325.9
	280					
	300					





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

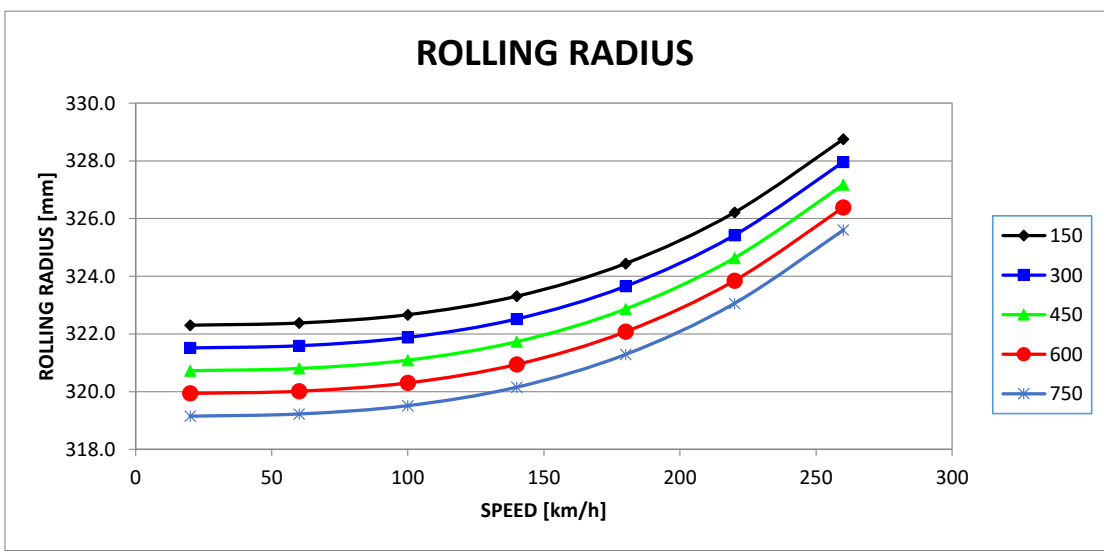
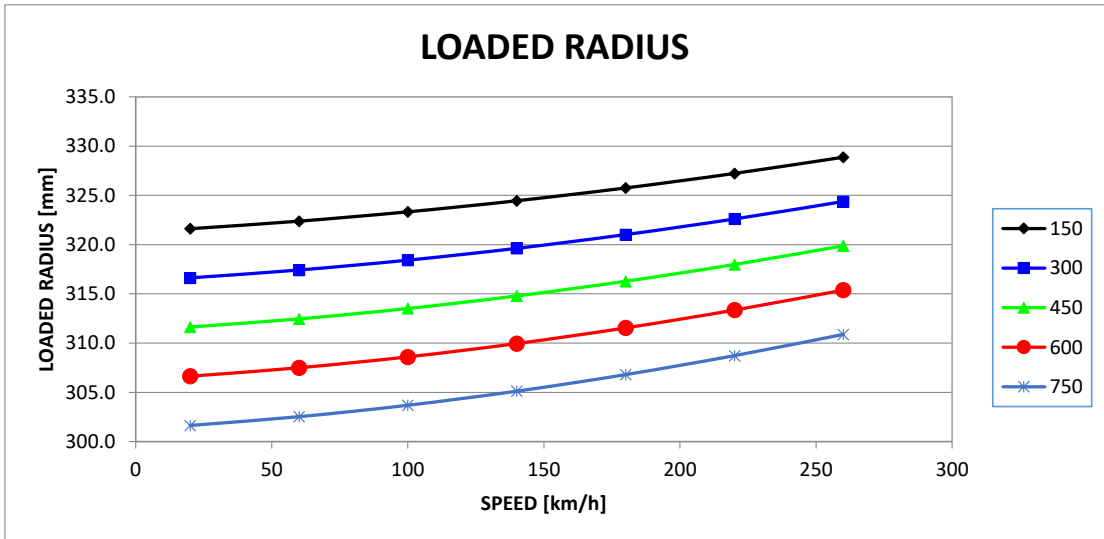
265/645-18x10.0J DHB

**LOADED RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	321.6	316.6	311.6	306.6	301.6
	60	322.4	317.4	312.5	307.5	302.5
	100	323.3	318.4	313.5	308.6	303.7
	140	324.4	319.6	314.8	310.0	305.1
	180	325.8	321.0	316.3	311.5	306.8
	220	327.2	322.6	318.0	313.4	308.7
	260	328.9	324.4	319.9	315.4	310.9
	280					
	300					

**ROLLING RADIUS**

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	322.3	321.5	320.7	319.9	319.1
	60	322.4	321.6	320.8	320.0	319.2
	100	322.7	321.9	321.1	320.3	319.5
	140	323.3	322.5	321.7	320.9	320.2
	180	324.4	323.7	322.9	322.1	321.3
	220	326.2	325.4	324.6	323.8	323.1
	260	328.8	328.0	327.2	326.4	325.6
	280					
	300					





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

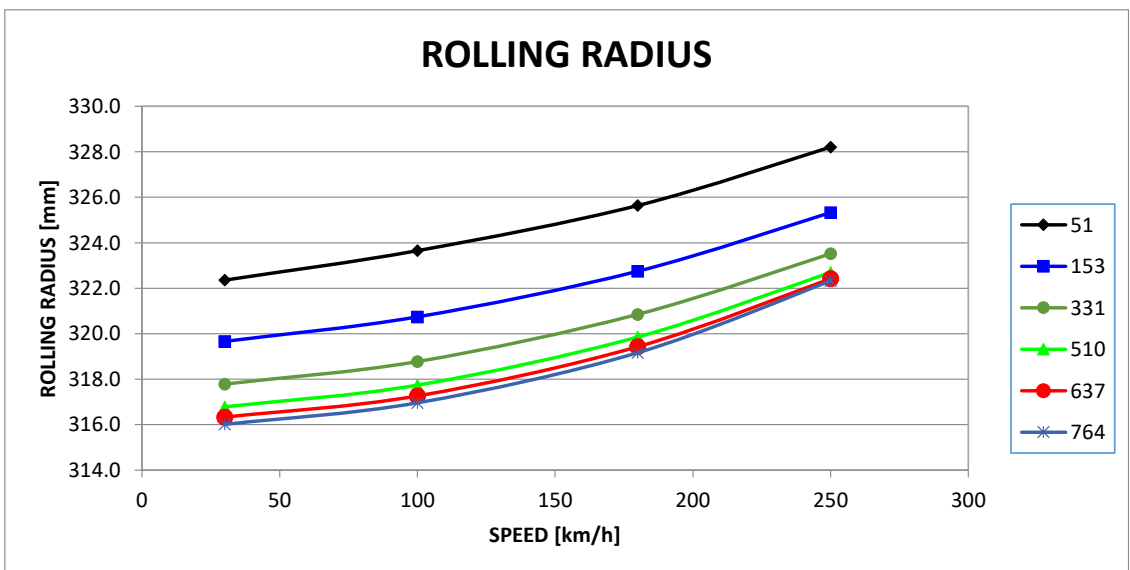
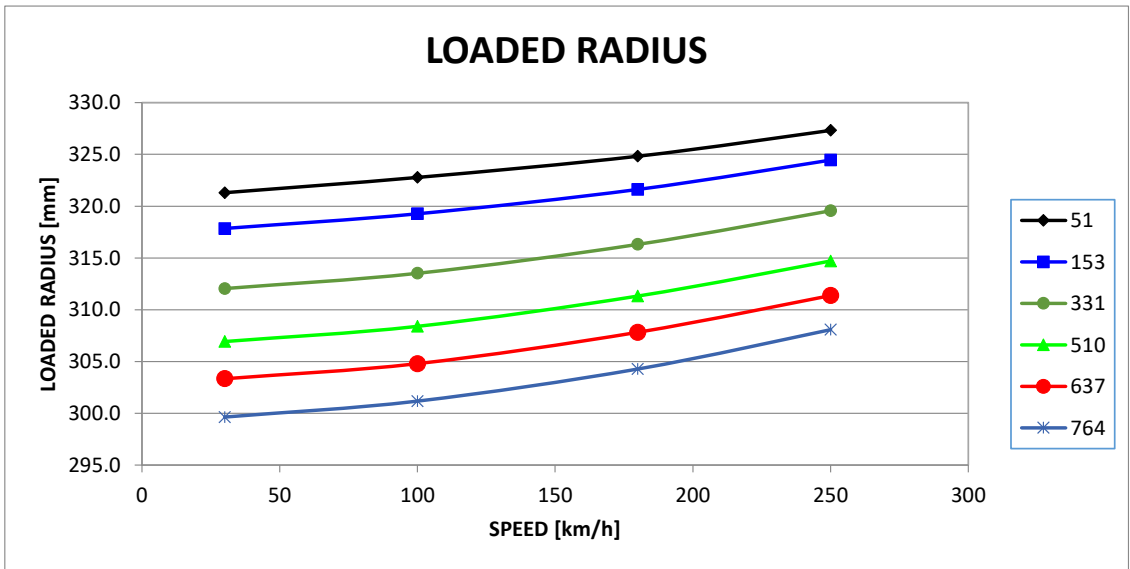
265/645-18x9.5J WH

**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





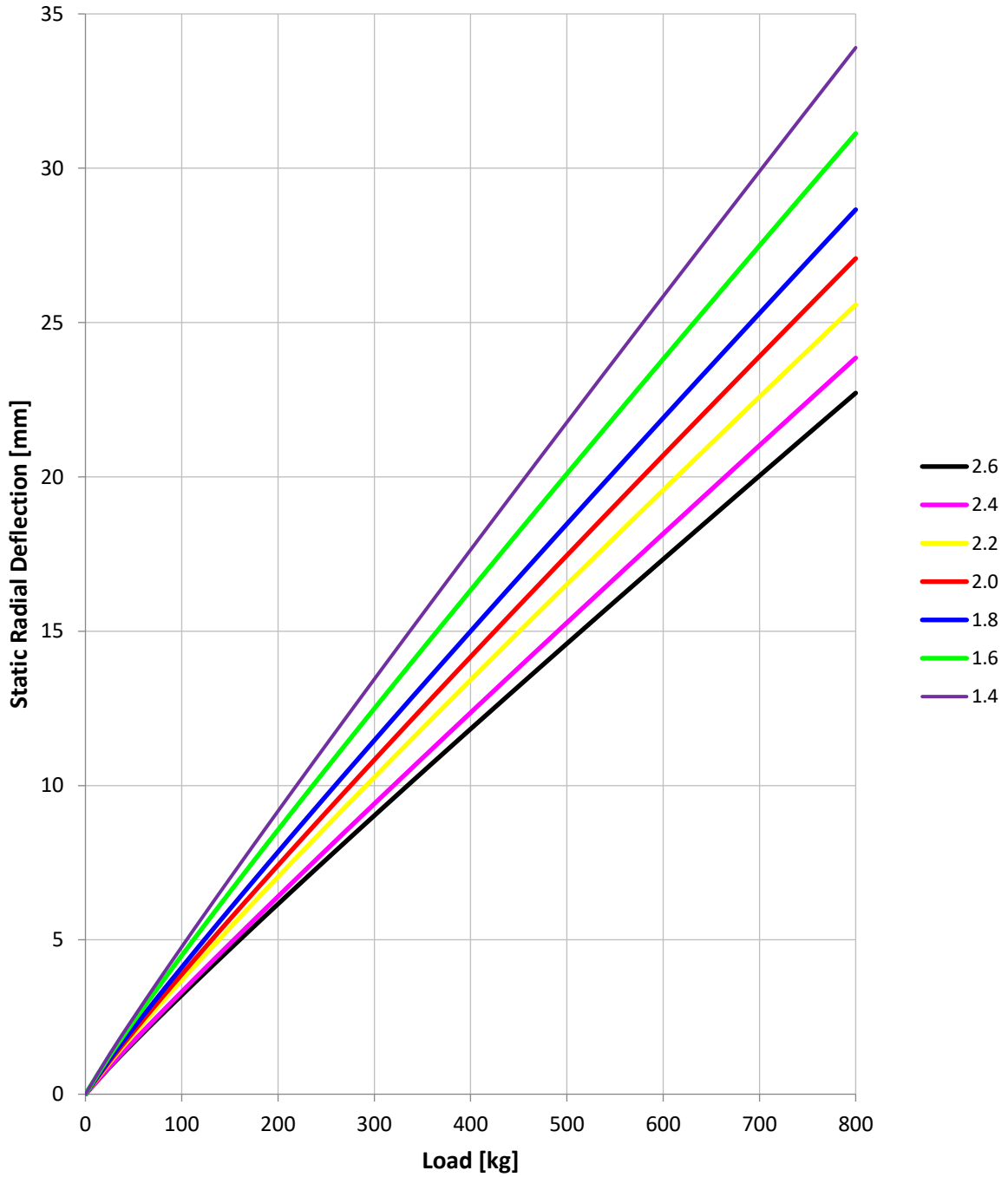
**STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA 0.0 ° DH**

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	0.9	0.9	1.0	1.1	1.1	1.2	1.3
50	1.7	1.7	1.9	2.0	2.1	2.4	2.5
75	2.4	2.5	2.8	3.0	3.1	3.4	3.6
100	3.2	3.3	3.7	3.9	4.1	4.5	4.8
125	4.0	4.1	4.5	4.8	5.1	5.5	5.9
150	4.7	4.9	5.4	5.7	6.0	6.6	7.0
175	5.4	5.6	6.2	6.5	6.9	7.6	8.1
200	6.2	6.4	7.0	7.4	7.8	8.6	9.2
225	6.9	7.2	7.9	8.3	8.8	9.6	10.2
250	7.6	7.9	8.7	9.1	9.7	10.5	11.3
275	8.3	8.7	9.5	10.0	10.6	11.5	12.4
300	9.0	9.4	10.3	10.8	11.5	12.5	13.4
325	9.7	10.2	11.1	11.7	12.4	13.5	14.5
350	10.4	10.9	11.9	12.5	13.2	14.4	15.5
375	11.1	11.6	12.6	13.3	14.1	15.4	16.6
400	11.8	12.4	13.4	14.2	15.0	16.3	17.6
425	12.5	13.1	14.2	15.0	15.9	17.3	18.7
450	13.2	13.8	15.0	15.8	16.7	18.2	19.7
475	13.9	14.5	15.7	16.6	17.6	19.2	20.7
500	14.6	15.3	16.5	17.5	18.5	20.1	21.8
525	15.3	16.0	17.3	18.3	19.3	21.0	22.8
550	16.0	16.7	18.1	19.1	20.2	22.0	23.8
575	16.6	17.4	18.8	19.9	21.1	22.9	24.8
600	17.3	18.2	19.6	20.7	21.9	23.8	25.8
625	18.0	18.9	20.3	21.5	22.8	24.7	26.9
650	18.7	19.6	21.1	22.3	23.6	25.7	27.9
675	19.4	20.3	21.8	23.1	24.5	26.6	28.9
700	20.0	21.0	22.6	23.9	25.3	27.5	29.9
725	20.7	21.7	23.3	24.7	26.1	28.4	30.9
750	21.4	22.4	24.1	25.5	27.0	29.3	31.9
775	22.0	23.1	24.8	26.3	27.8	30.2	32.9
800	22.7	23.9	25.6	27.1	28.7	31.1	33.9





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



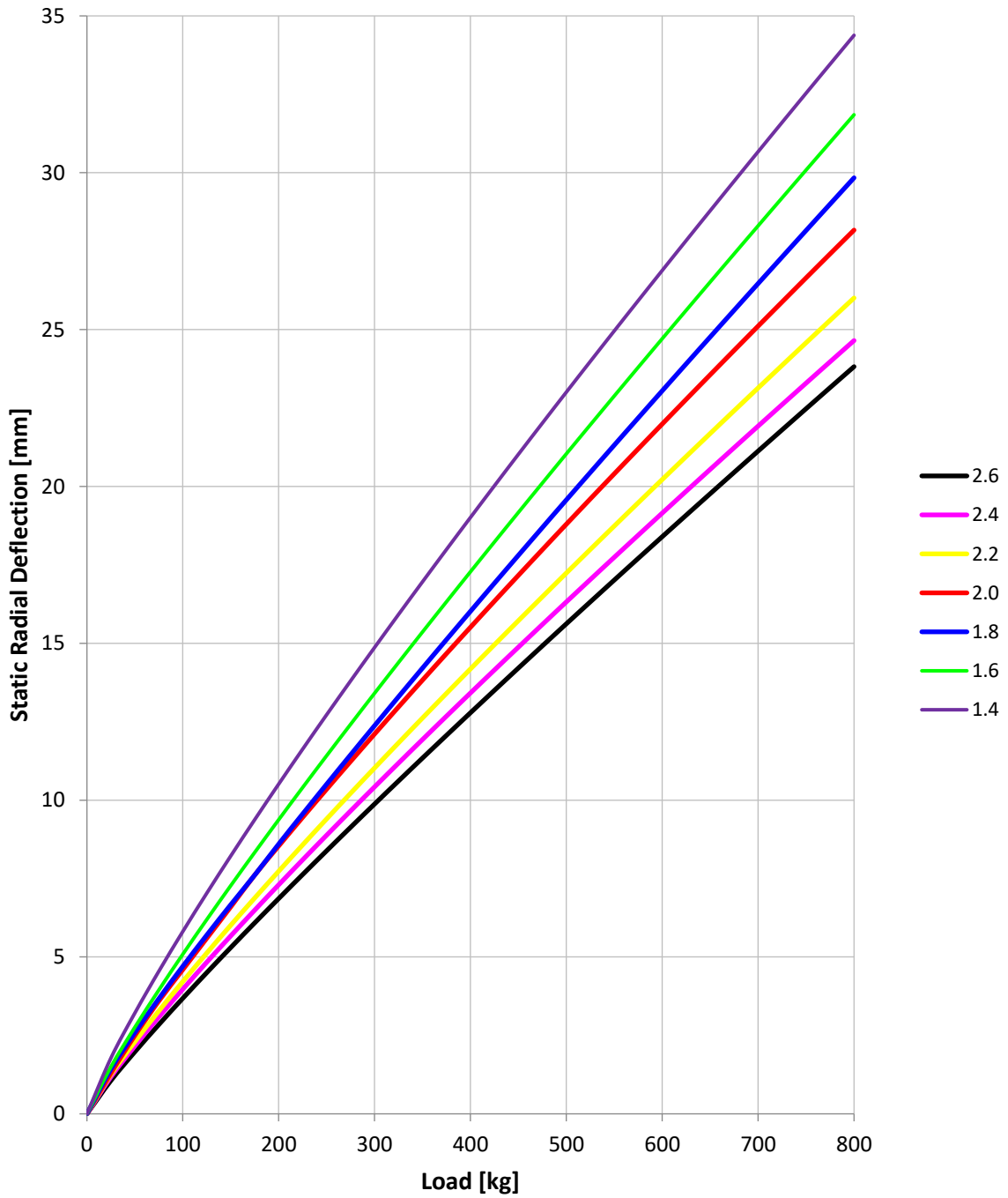


**STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA -3.0 ° DH**

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	1.1	1.2	1.3	1.3	1.4	1.5	1.8
50	2.0	2.2	2.3	2.5	2.6	2.8	3.2
75	2.8	3.1	3.3	3.6	3.7	3.9	4.5
100	3.7	4.0	4.2	4.6	4.7	5.1	5.8
125	4.5	4.8	5.1	5.6	5.7	6.2	7.0
150	5.3	5.7	6.0	6.6	6.7	7.3	8.2
175	6.1	6.5	6.9	7.6	7.6	8.3	9.4
200	6.9	7.3	7.7	8.5	8.6	9.4	10.5
225	7.6	8.1	8.6	9.5	9.6	10.4	11.6
250	8.4	8.9	9.4	10.4	10.5	11.4	12.7
275	9.1	9.7	10.2	11.2	11.4	12.4	13.8
300	9.9	10.4	11.0	12.1	12.4	13.4	14.9
325	10.6	11.2	11.8	13.0	13.3	14.4	15.9
350	11.3	11.9	12.6	13.8	14.2	15.4	17.0
375	12.1	12.7	13.4	14.7	15.1	16.3	18.0
400	12.8	13.4	14.2	15.5	16.0	17.3	19.0
425	13.5	14.2	15.0	16.3	16.9	18.2	20.0
450	14.2	14.9	15.7	17.2	17.8	19.2	21.0
475	14.9	15.6	16.5	18.0	18.7	20.1	22.0
500	15.6	16.3	17.2	18.8	19.6	21.0	23.0
525	16.3	17.0	18.0	19.6	20.4	22.0	24.0
550	17.0	17.7	18.7	20.4	21.3	22.9	25.0
575	17.7	18.4	19.5	21.2	22.2	23.8	25.9
600	18.4	19.2	20.2	22.0	23.1	24.7	26.9
625	19.1	19.9	21.0	22.8	23.9	25.6	27.8
650	19.8	20.5	21.7	23.6	24.8	26.5	28.8
675	20.5	21.2	22.4	24.3	25.6	27.4	29.7
700	21.1	21.9	23.1	25.1	26.5	28.3	30.7
725	21.8	22.6	23.9	25.9	27.3	29.2	31.6
750	22.5	23.3	24.6	26.6	28.2	30.1	32.5
775	23.1	24.0	25.3	27.4	29.0	31.0	33.5
800	23.8	24.7	26.0	28.2	29.8	31.8	34.4



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



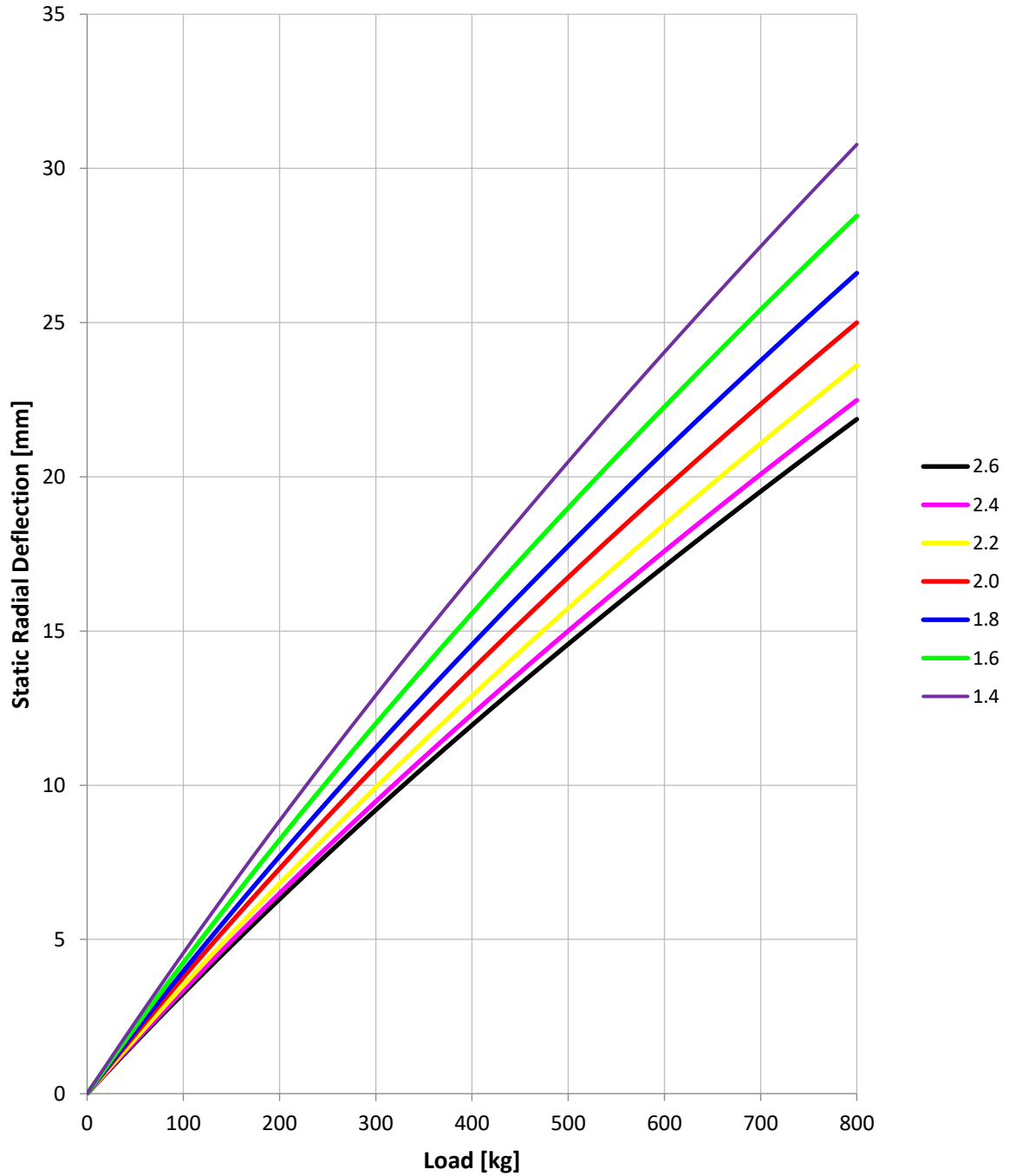


**STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA 0.0 ° DHB**

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	0.9	0.9	1.0	1.0	1.1	1.2
50	1.7	1.7	1.8	1.9	2.0	2.2	2.3
75	2.5	2.5	2.7	2.9	3.0	3.2	3.4
100	3.3	3.4	3.5	3.8	4.0	4.2	4.6
125	4.0	4.2	4.4	4.7	4.9	5.3	5.7
150	4.8	4.9	5.2	5.6	5.9	6.3	6.7
175	5.6	5.7	6.0	6.4	6.8	7.3	7.8
200	6.3	6.5	6.8	7.3	7.7	8.2	8.8
225	7.0	7.3	7.6	8.1	8.6	9.2	9.9
250	7.8	8.0	8.4	9.0	9.5	10.1	10.9
275	8.5	8.7	9.2	9.8	10.4	11.1	11.9
300	9.2	9.5	9.9	10.6	11.2	12.0	12.9
325	9.9	10.2	10.7	11.4	12.1	12.9	13.9
350	10.6	10.9	11.4	12.2	12.9	13.8	14.9
375	11.3	11.6	12.2	13.0	13.7	14.7	15.8
400	11.9	12.3	12.9	13.7	14.6	15.6	16.8
425	12.6	13.0	13.6	14.5	15.4	16.4	17.7
450	13.3	13.7	14.3	15.3	16.2	17.3	18.7
475	13.9	14.3	15.0	16.0	17.0	18.2	19.6
500	14.6	15.0	15.7	16.7	17.8	19.0	20.5
525	15.2	15.7	16.4	17.5	18.5	19.8	21.4
550	15.8	16.3	17.1	18.2	19.3	20.6	22.3
575	16.5	17.0	17.8	18.9	20.1	21.5	23.2
600	17.1	17.6	18.5	19.6	20.8	22.3	24.0
625	17.7	18.2	19.1	20.3	21.6	23.1	24.9
650	18.3	18.8	19.8	21.0	22.3	23.9	25.8
675	18.9	19.5	20.4	21.7	23.0	24.6	26.6
700	19.5	20.1	21.1	22.4	23.8	25.4	27.5
725	20.1	20.7	21.7	23.0	24.5	26.2	28.3
750	20.7	21.3	22.4	23.7	25.2	27.0	29.1
775	21.3	21.9	23.0	24.3	25.9	27.7	30.0
800	21.9	22.5	23.6	25.0	26.6	28.5	30.8



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



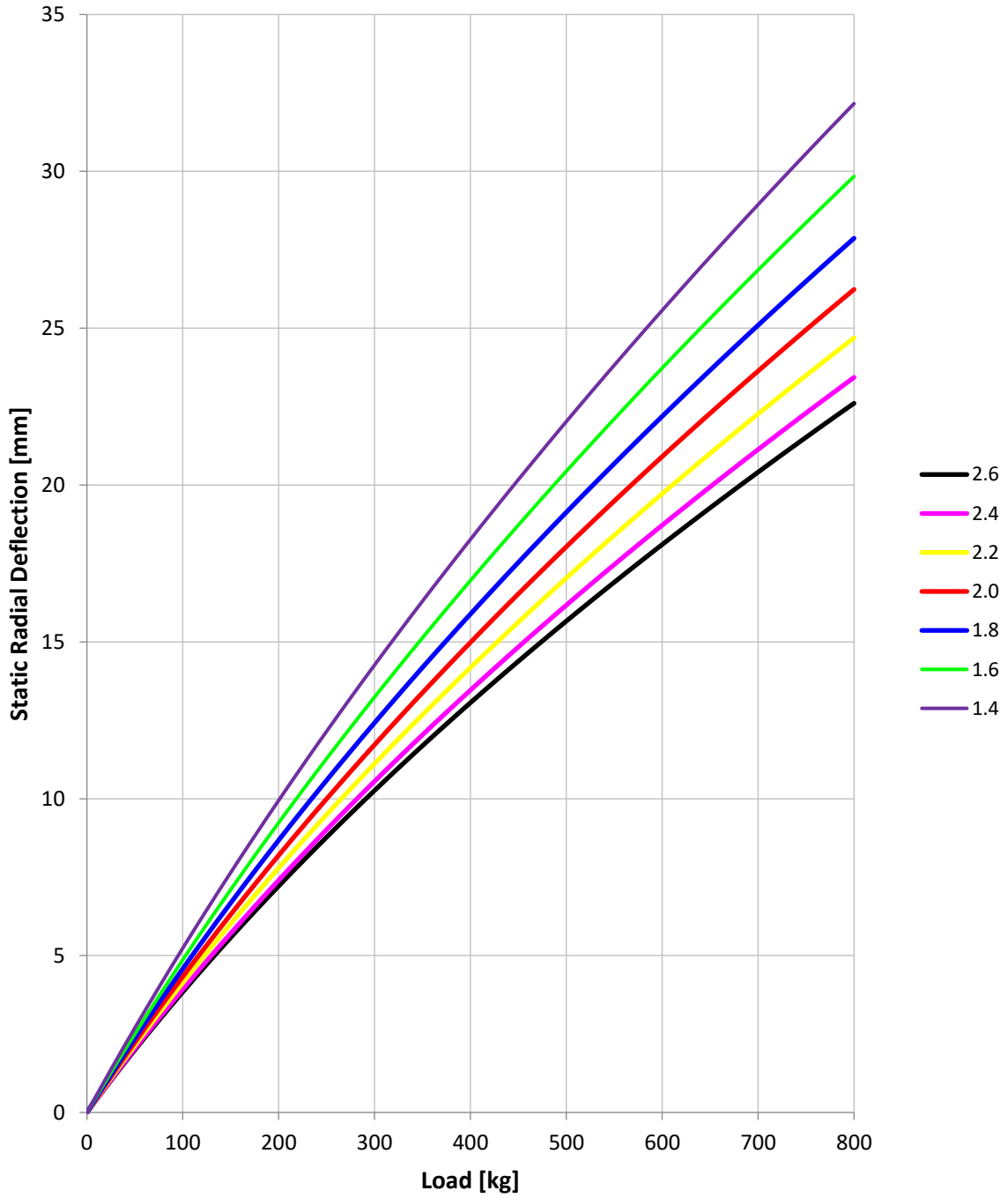


**STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA -3.0 ° DHB**

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	1.0	1.1	1.1	1.2	1.3	1.4
50	2.0	2.0	2.1	2.2	2.4	2.5	2.7
75	2.9	3.0	3.2	3.3	3.5	3.7	4.0
100	3.8	3.9	4.1	4.3	4.6	4.9	5.2
125	4.7	4.8	5.1	5.3	5.6	6.0	6.5
150	5.6	5.7	6.0	6.3	6.7	7.1	7.7
175	6.4	6.6	6.9	7.3	7.7	8.2	8.8
200	7.2	7.4	7.8	8.2	8.7	9.2	10.0
225	8.0	8.2	8.7	9.1	9.6	10.3	11.1
250	8.8	9.0	9.5	10.0	10.6	11.3	12.2
275	9.5	9.8	10.3	10.9	11.5	12.3	13.2
300	10.3	10.6	11.1	11.7	12.4	13.2	14.3
325	11.0	11.3	11.9	12.6	13.3	14.2	15.3
350	11.7	12.0	12.7	13.4	14.2	15.1	16.3
375	12.4	12.8	13.4	14.2	15.0	16.1	17.3
400	13.1	13.5	14.2	15.0	15.9	17.0	18.3
425	13.7	14.2	14.9	15.8	16.7	17.9	19.2
450	14.4	14.8	15.6	16.5	17.5	18.7	20.2
475	15.0	15.5	16.3	17.3	18.3	19.6	21.1
500	15.7	16.2	17.0	18.0	19.1	20.4	22.0
525	16.3	16.8	17.7	18.8	19.9	21.3	22.9
550	16.9	17.5	18.4	19.5	20.7	22.1	23.8
575	17.5	18.1	19.1	20.2	21.4	22.9	24.7
600	18.1	18.7	19.7	20.9	22.2	23.7	25.6
625	18.7	19.3	20.4	21.6	22.9	24.5	26.4
650	19.3	19.9	21.0	22.3	23.7	25.3	27.3
675	19.8	20.5	21.6	23.0	24.4	26.1	28.1
700	20.4	21.1	22.3	23.6	25.1	26.9	28.9
725	21.0	21.7	22.9	24.3	25.8	27.6	29.8
750	21.5	22.3	23.5	25.0	26.5	28.4	30.6
775	22.1	22.9	24.1	25.6	27.2	29.1	31.4
800	22.6	23.4	24.7	26.2	27.9	29.8	32.2



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





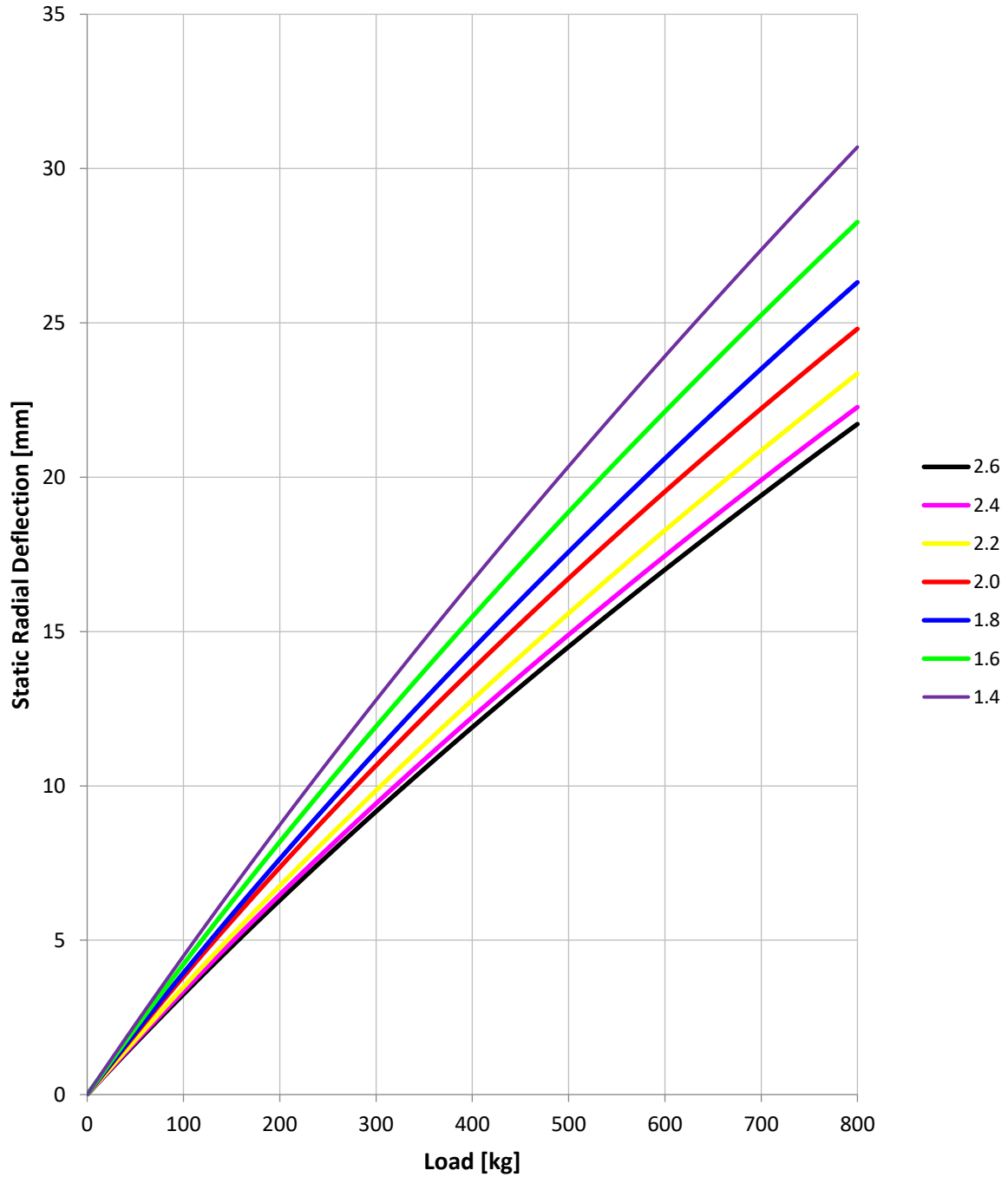
**STATIC RADIAL DEFLECTION – 265/645-18x10.0J @ CA 0.0 ° DHB**

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	0.9	0.9	1.0	1.0	1.1	1.1
50	1.7	1.7	1.8	2.0	2.0	2.1	2.3
75	2.5	2.5	2.6	2.9	3.0	3.2	3.4
100	3.2	3.3	3.5	3.8	3.9	4.2	4.5
125	4.0	4.1	4.3	4.7	4.9	5.2	5.6
150	4.8	4.9	5.1	5.6	5.8	6.2	6.6
175	5.5	5.7	6.0	6.5	6.7	7.2	7.7
200	6.3	6.5	6.8	7.4	7.6	8.2	8.7
225	7.0	7.2	7.5	8.2	8.5	9.1	9.8
250	7.8	8.0	8.3	9.0	9.4	10.1	10.8
275	8.5	8.7	9.1	9.9	10.3	11.0	11.8
300	9.2	9.4	9.8	10.7	11.1	11.9	12.8
325	9.9	10.1	10.6	11.5	12.0	12.8	13.8
350	10.6	10.8	11.3	12.2	12.8	13.7	14.7
375	11.2	11.5	12.1	13.0	13.6	14.6	15.7
400	11.9	12.2	12.8	13.8	14.4	15.5	16.6
425	12.6	12.9	13.5	14.5	15.2	16.3	17.6
450	13.2	13.6	14.2	15.3	16.0	17.2	18.5
475	13.9	14.2	14.9	16.0	16.8	18.0	19.4
500	14.5	14.9	15.6	16.7	17.6	18.9	20.4
525	15.1	15.5	16.3	17.4	18.3	19.7	21.3
550	15.8	16.2	16.9	18.1	19.1	20.5	22.2
575	16.4	16.8	17.6	18.8	19.9	21.3	23.0
600	17.0	17.5	18.3	19.5	20.6	22.1	23.9
625	17.6	18.1	18.9	20.2	21.3	22.9	24.8
650	18.2	18.7	19.6	20.9	22.1	23.7	25.7
675	18.8	19.3	20.2	21.6	22.8	24.5	26.5
700	19.4	19.9	20.9	22.2	23.5	25.3	27.4
725	20.0	20.5	21.5	22.9	24.2	26.0	28.2
750	20.6	21.1	22.1	23.5	24.9	26.8	29.0
775	21.2	21.7	22.7	24.2	25.6	27.5	29.9
800	21.7	22.3	23.4	24.8	26.3	28.3	30.7





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





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

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	1.0	1.0	1.1	1.2	1.2	1.3
50	2.0	2.0	2.1	2.2	2.3	2.4	2.6
75	2.9	2.9	3.0	3.2	3.4	3.6	3.9
100	3.8	3.8	4.0	4.2	4.4	4.7	5.1
125	4.6	4.7	4.9	5.2	5.5	5.8	6.3
150	5.5	5.6	5.8	6.2	6.5	6.9	7.5
175	6.3	6.4	6.7	7.1	7.5	8.0	8.6
200	7.1	7.3	7.6	8.0	8.5	9.0	9.8
225	7.9	8.1	8.4	8.9	9.4	10.1	10.9
250	8.6	8.9	9.3	9.8	10.4	11.1	12.0
275	9.4	9.6	10.1	10.7	11.3	12.1	13.0
300	10.1	10.4	10.9	11.5	12.2	13.0	14.1
325	10.8	11.2	11.7	12.4	13.1	14.0	15.1
350	11.5	11.9	12.5	13.2	14.0	14.9	16.1
375	12.2	12.6	13.2	14.0	14.8	15.9	17.1
400	12.9	13.3	14.0	14.8	15.7	16.8	18.1
425	13.5	14.0	14.7	15.6	16.5	17.7	19.1
450	14.2	14.7	15.4	16.4	17.4	18.5	20.1
475	14.8	15.4	16.2	17.1	18.2	19.4	21.0
500	15.4	16.0	16.9	17.9	19.0	20.3	21.9
525	16.0	16.7	17.6	18.6	19.8	21.1	22.9
550	16.6	17.4	18.2	19.4	20.5	22.0	23.8
575	17.2	18.0	18.9	20.1	21.3	22.8	24.7
600	17.8	18.6	19.6	20.8	22.1	23.6	25.5
625	18.4	19.2	20.3	21.5	22.8	24.4	26.4
650	19.0	19.9	20.9	22.2	23.6	25.2	27.3
675	19.5	20.5	21.5	22.9	24.3	26.0	28.1
700	20.1	21.1	22.2	23.5	25.0	26.8	29.0
725	20.6	21.7	22.8	24.2	25.7	27.5	29.8
750	21.2	22.2	23.4	24.9	26.4	28.3	30.7
775	21.7	22.8	24.1	25.5	27.1	29.1	31.5
800	22.3	23.4	24.7	26.2	27.8	29.8	32.3



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

