



TYRE DATA BOOKLET

325/680-18 DHE

315/680-18 WH

2020 | 2021

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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)
325/680-18 DHE 18"x12J	10.8	335	2154	302
325/680-18 DHE 18"x12.5J	10.8	339	2153	302

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
315/680-18 WH 18"x12J	12.7	321	2165	283



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

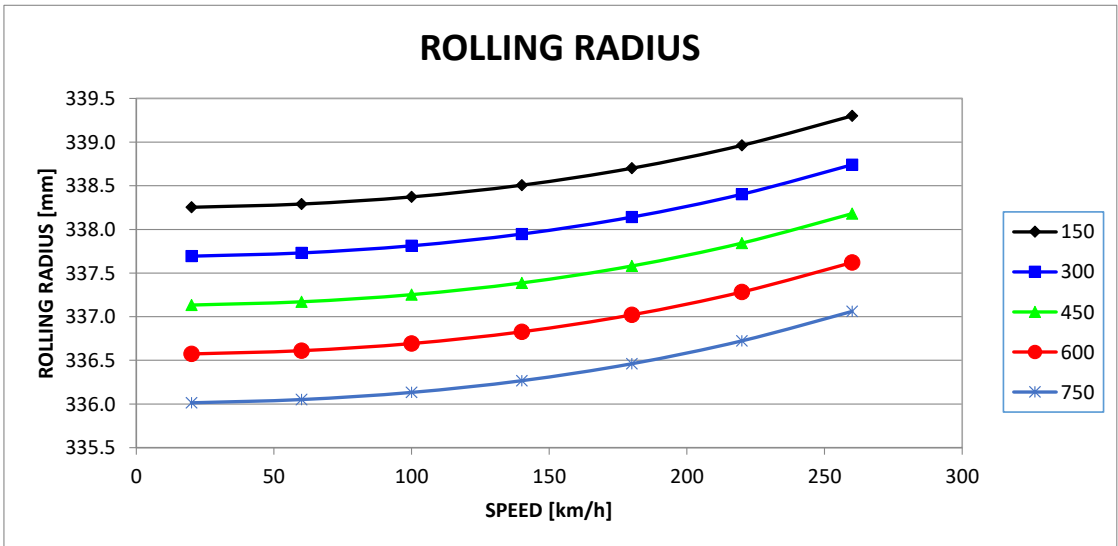
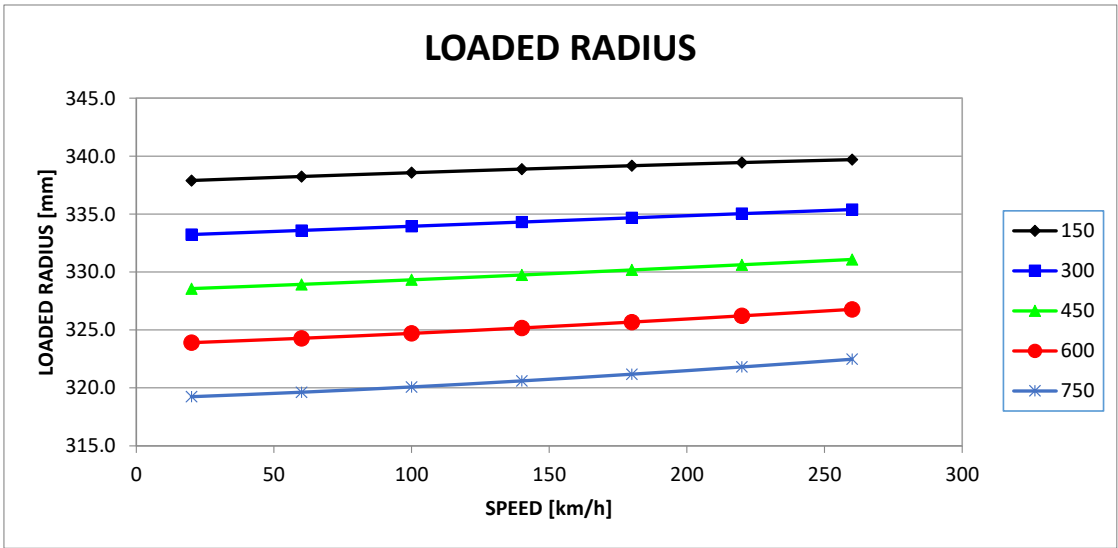
325/680-18x12.0J DHE

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	337.9	333.2	328.6	323.9	319.2
60	338.2	333.6	328.9	324.3	319.6
100	338.6	333.9	329.3	324.7	320.1
140	338.9	334.3	329.7	325.2	320.6
180	339.2	334.7	330.2	325.7	321.2
220	339.4	335.0	330.6	326.2	321.8
260	339.7	335.4	331.1	326.8	322.5

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	338.3	337.7	337.1	336.6	336.0
60	338.3	337.7	337.2	336.6	336.1
100	338.4	337.8	337.3	336.7	336.1
140	338.5	337.9	337.4	336.8	336.3
180	338.7	338.1	337.6	337.0	336.5
220	339.0	338.4	337.8	337.3	336.7
260	339.3	338.7	338.2	337.6	337.1





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

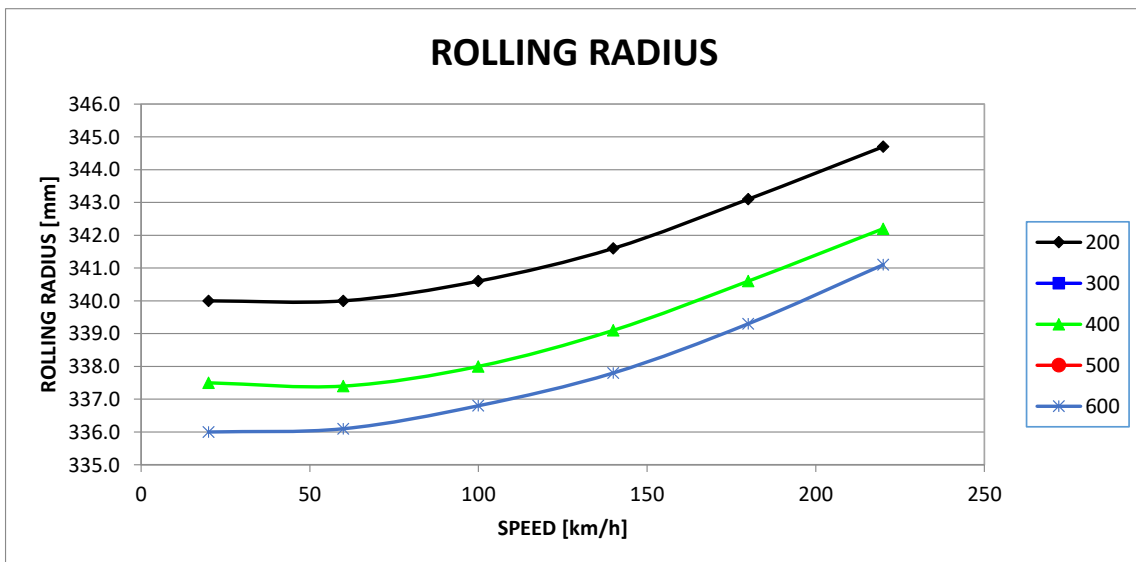
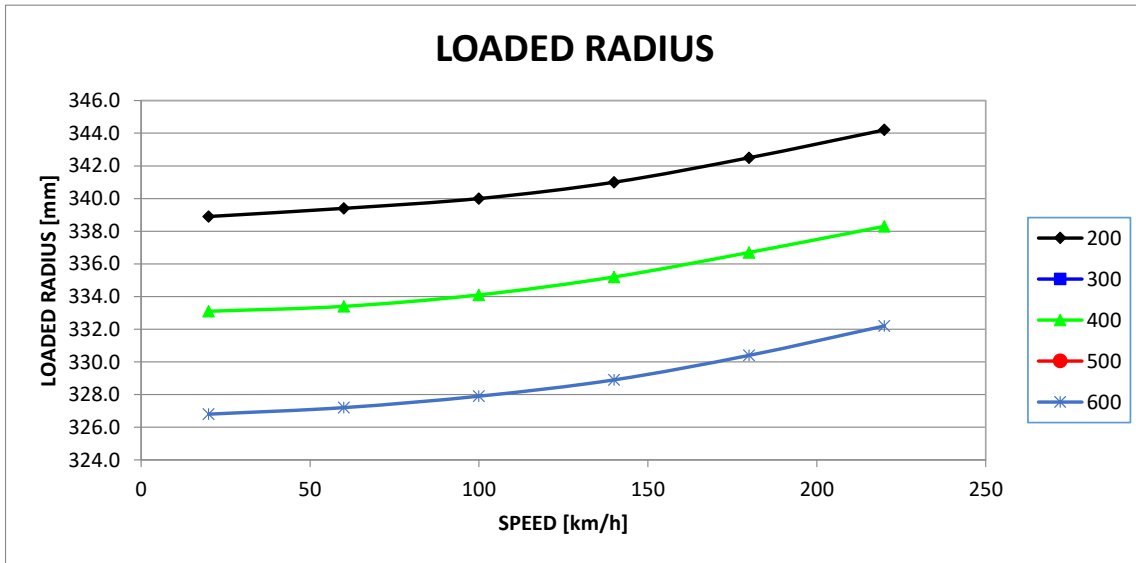
315/680-18x12.0J WH

LOADED RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	338.9		333.1		326.8
	60	339.4		333.4		327.2
	100	340.0		334.1		327.9
	140	341.0		335.2		328.9
	180	342.5		336.7		330.4
	220	344.2		338.3		332.2

ROLLING RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	340.0		337.5		336.0
	60	340.0		337.4		336.1
	100	340.6		338.0		336.8
	140	341.6		339.1		337.8
	180	343.1		340.6		339.3
	220	344.7		342.2		341.1





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

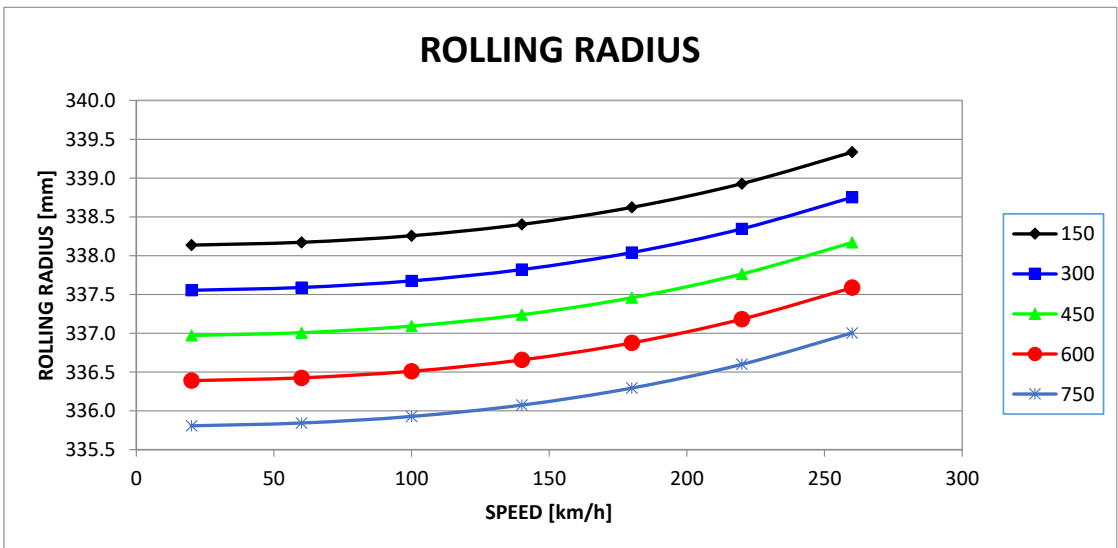
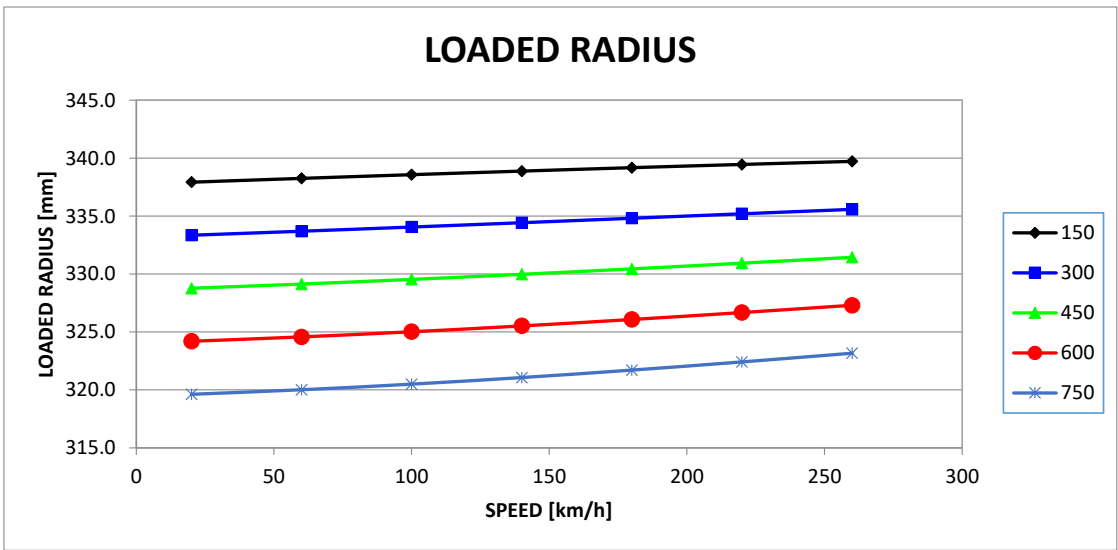
325/680-18x12.5J DHE

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	337.9	333.3	328.8	324.2	319.6
60	338.3	333.7	329.1	324.6	320.0
100	338.6	334.1	329.5	325.0	320.5
140	338.9	334.4	330.0	325.5	321.1
180	339.2	334.8	330.4	326.1	321.7
220	339.5	335.2	330.9	326.7	322.4
260	339.7	335.6	331.4	327.3	323.2

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	338.1	337.6	337.0	336.4	335.8
60	338.2	337.6	337.0	336.4	335.8
100	338.3	337.7	337.1	336.5	335.9
140	338.4	337.8	337.2	336.7	336.1
180	338.6	338.0	337.5	336.9	336.3
220	338.9	338.3	337.8	337.2	336.6
260	339.3	338.8	338.2	337.6	337.0





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

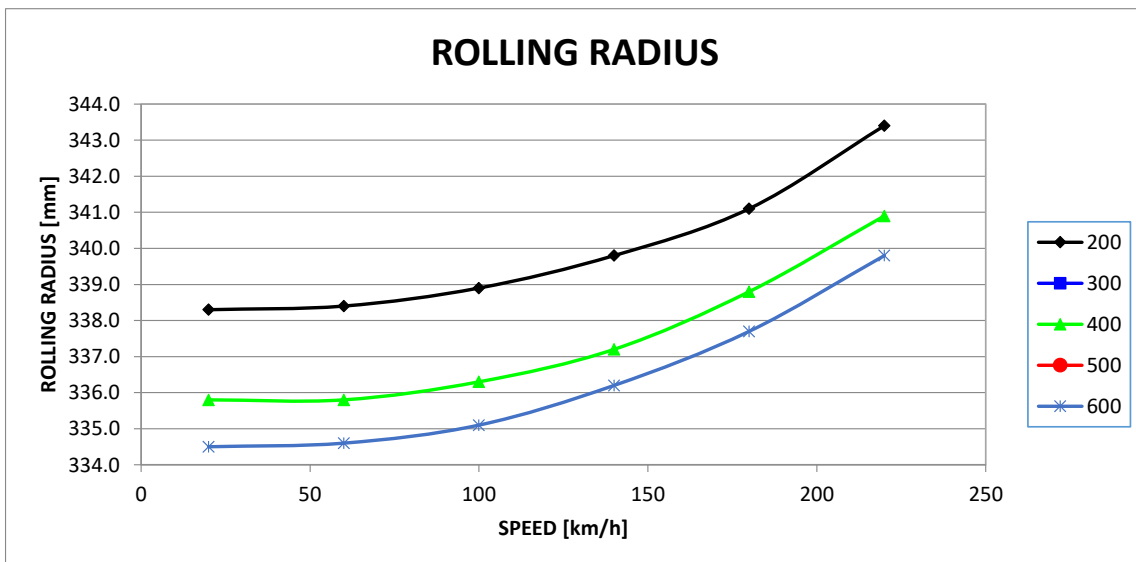
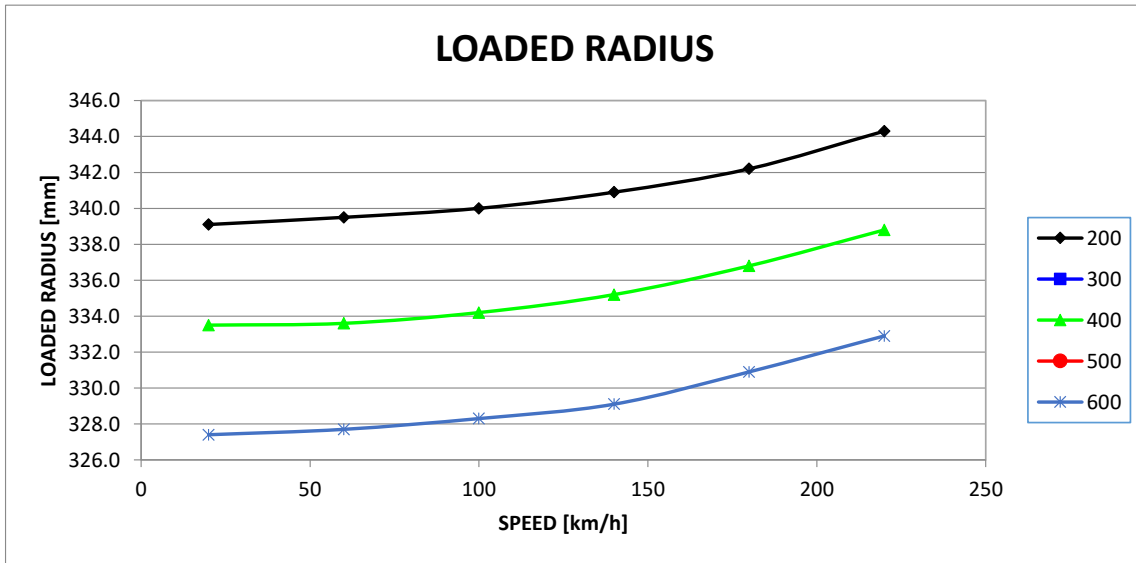
315/680-18x12.5J WH

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	339.1		333.5		327.4
60	339.5		333.6		327.7
100	340.0		334.2		328.3
140	340.9		335.2		329.1
180	342.2		336.8		330.9
220	344.3		338.8		332.9

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	338.3		335.8		334.5
60	338.4		335.8		334.6
100	338.9		336.3		335.1
140	339.8		337.2		336.2
180	341.1		338.8		337.7
220	343.4		340.9		339.8



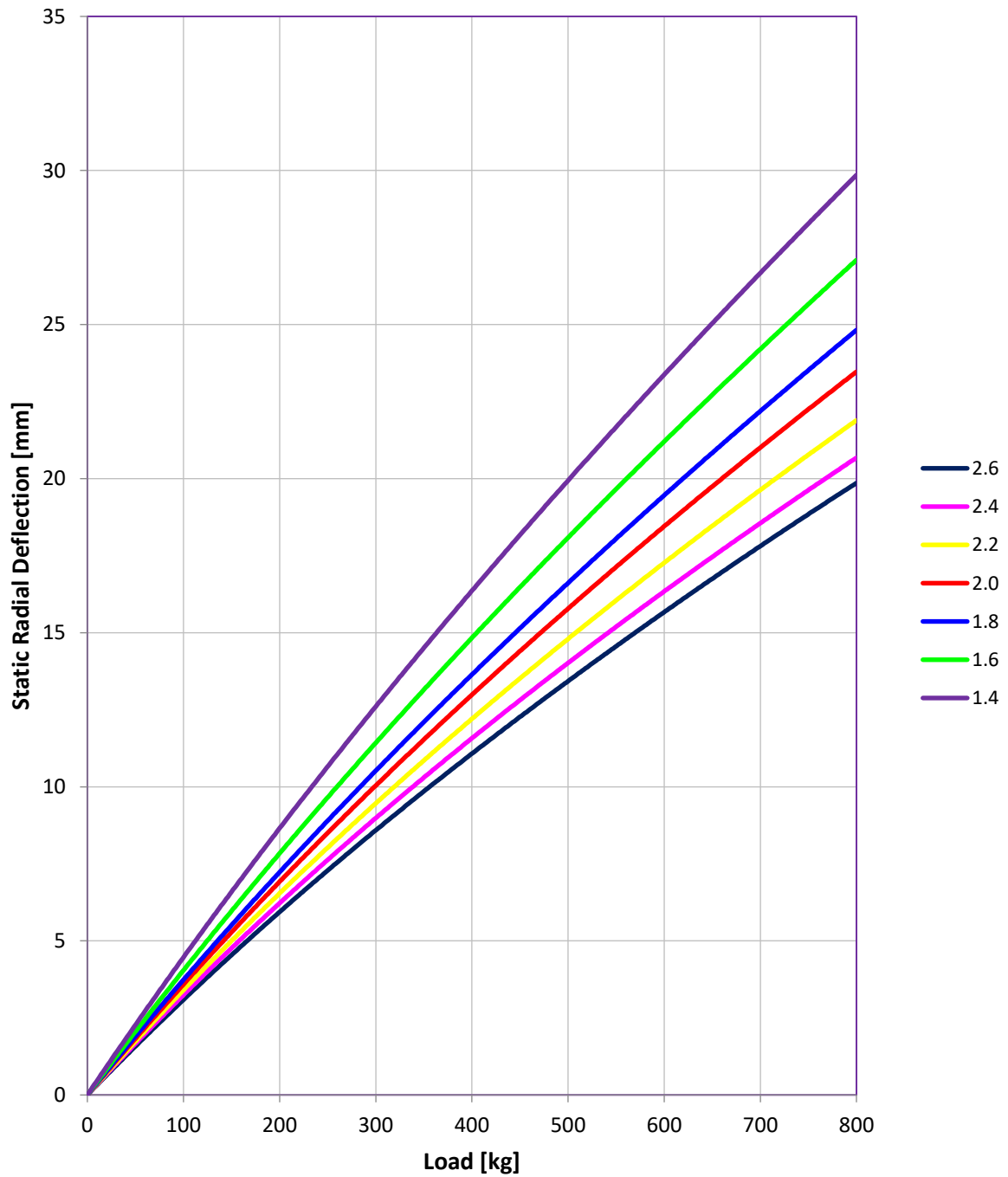


STATIC RADIAL DEFLECTION – 325/680-18x12.0J @ CA 0.0 ° DHE

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	2.1	2.3
75	2.3	2.5	2.6	2.7	2.8	3.1	3.4
100	3.1	3.2	3.4	3.6	3.7	4.0	4.5
125	3.8	4.0	4.2	4.4	4.6	5.0	5.5
150	4.5	4.8	5.0	5.3	5.5	6.0	6.6
175	5.2	5.5	5.8	6.1	6.4	6.9	7.6
200	5.9	6.2	6.5	6.9	7.2	7.8	8.7
225	6.6	6.9	7.3	7.7	8.1	8.8	9.7
250	7.3	7.6	8.0	8.5	8.9	9.7	10.7
275	7.9	8.3	8.7	9.3	9.7	10.5	11.6
300	8.6	9.0	9.5	10.0	10.5	11.4	12.6
325	9.2	9.6	10.2	10.8	11.3	12.3	13.6
350	9.9	10.3	10.9	11.5	12.1	13.2	14.5
375	10.5	10.9	11.5	12.3	12.9	14.0	15.4
400	11.1	11.6	12.2	13.0	13.6	14.8	16.4
425	11.7	12.2	12.9	13.7	14.4	15.7	17.3
450	12.3	12.8	13.5	14.4	15.1	16.5	18.2
475	12.9	13.4	14.2	15.1	15.9	17.3	19.1
500	13.4	14.0	14.8	15.8	16.6	18.1	19.9
525	14.0	14.6	15.4	16.5	17.3	18.9	20.8
550	14.6	15.2	16.0	17.1	18.1	19.7	21.7
575	15.1	15.8	16.7	17.8	18.8	20.4	22.5
600	15.7	16.3	17.3	18.5	19.5	21.2	23.4
625	16.2	16.9	17.9	19.1	20.2	22.0	24.2
650	16.8	17.5	18.5	19.7	20.8	22.7	25.0
675	17.3	18.0	19.0	20.4	21.5	23.5	25.9
700	17.8	18.6	19.6	21.0	22.2	24.2	26.7
725	18.3	19.1	20.2	21.6	22.9	24.9	27.5
750	18.8	19.6	20.8	22.3	23.5	25.7	28.3
775	19.4	20.2	21.3	22.9	24.2	26.4	29.1
800	19.9	20.7	21.9	23.5	24.8	27.1	29.9



STATIC RADIAL DEFLECTION – 325/680-18x12.0J @ CA 0.0° DHE



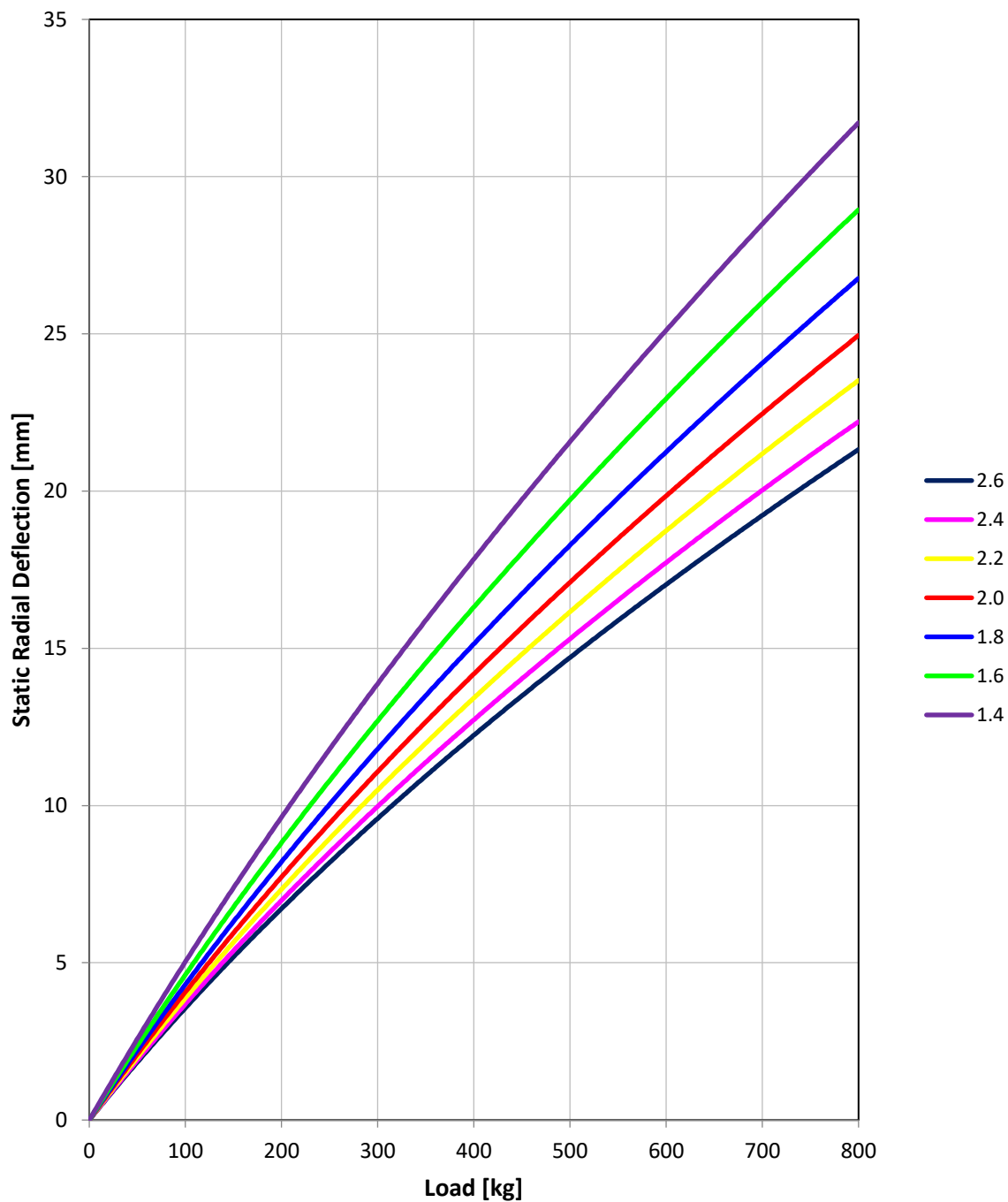


STATIC RADIAL DEFLECTION – 325/680-18x12.0J @ CA -3.0 ° DHE

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	3.0	3.1	3.3	3.5	3.8
100	3.6	3.7	3.9	4.1	4.3	4.6	5.0
125	4.4	4.6	4.8	5.0	5.3	5.7	6.2
150	5.2	5.4	5.7	5.9	6.3	6.8	7.4
175	6.0	6.2	6.5	6.8	7.3	7.8	8.5
200	6.7	7.0	7.3	7.7	8.2	8.8	9.6
225	7.5	7.8	8.2	8.6	9.1	9.8	10.7
250	8.2	8.5	9.0	9.4	10.0	10.8	11.8
275	8.9	9.2	9.7	10.3	10.9	11.8	12.8
300	9.6	10.0	10.5	11.1	11.8	12.7	13.9
325	10.3	10.7	11.3	11.9	12.7	13.6	14.9
350	10.9	11.4	12.0	12.7	13.5	14.5	15.9
375	11.6	12.1	12.7	13.4	14.3	15.4	16.9
400	12.2	12.7	13.4	14.2	15.1	16.3	17.8
425	12.9	13.4	14.1	14.9	15.9	17.2	18.8
450	13.5	14.0	14.8	15.7	16.7	18.0	19.7
475	14.1	14.7	15.5	16.4	17.5	18.9	20.7
500	14.7	15.3	16.2	17.1	18.3	19.7	21.6
525	15.3	15.9	16.8	17.8	19.0	20.5	22.5
550	15.9	16.5	17.5	18.5	19.8	21.4	23.4
575	16.5	17.1	18.1	19.2	20.5	22.2	24.2
600	17.0	17.7	18.7	19.8	21.2	22.9	25.1
625	17.6	18.3	19.4	20.5	22.0	23.7	26.0
650	18.1	18.9	20.0	21.2	22.7	24.5	26.8
675	18.7	19.5	20.6	21.8	23.4	25.3	27.7
700	19.2	20.0	21.2	22.5	24.1	26.0	28.5
725	19.8	20.6	21.8	23.1	24.8	26.8	29.3
750	20.3	21.1	22.4	23.7	25.4	27.5	30.1
775	20.8	21.7	22.9	24.3	26.1	28.2	30.9
800	21.3	22.2	23.5	25.0	26.8	28.9	31.7



STATIC RADIAL DEFLECTION – 325/680-18x12.0J @ CA -3.0° DHE



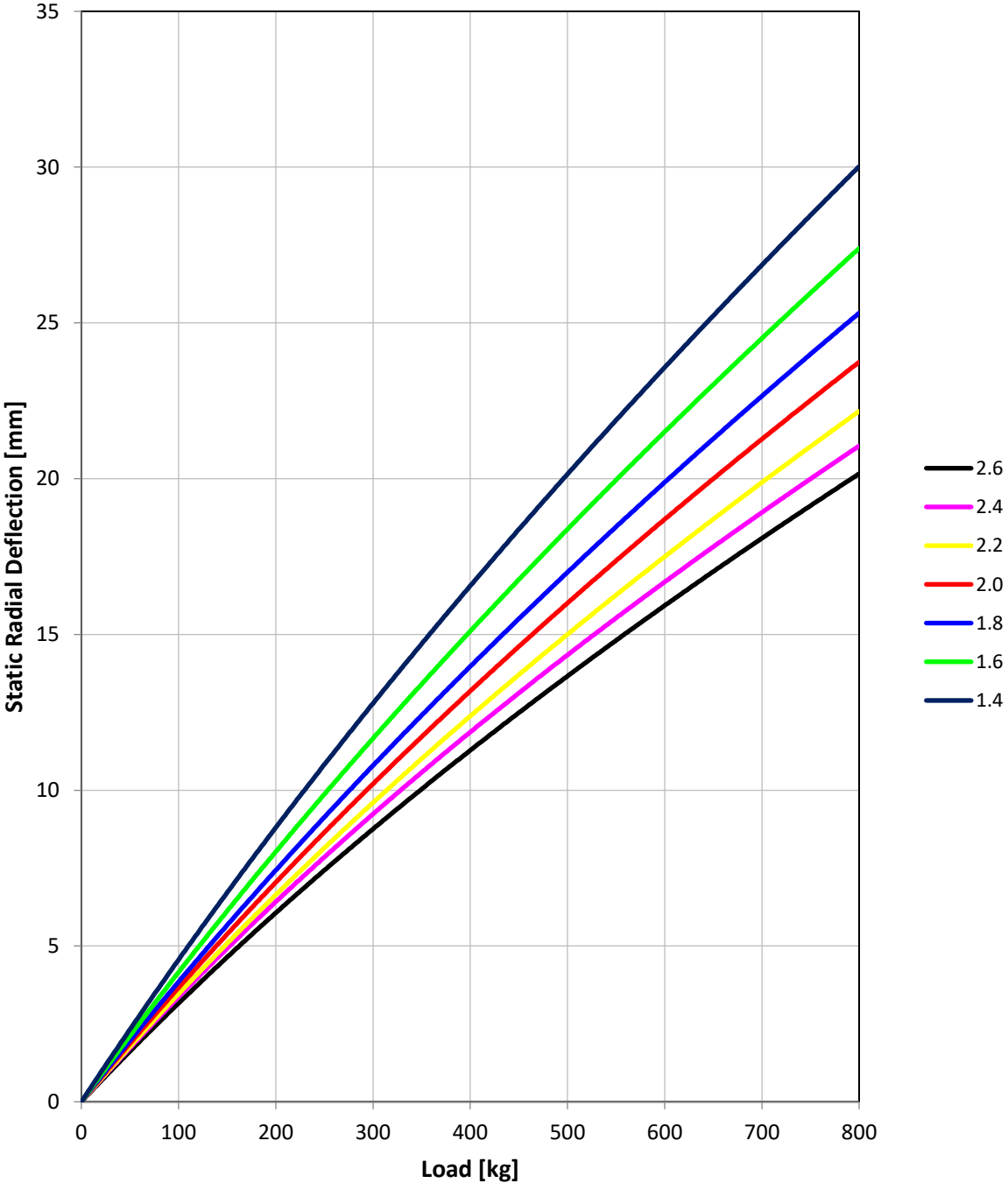


STATIC RADIAL DEFLECTION – 325/680-18x12.5J @ CA 0.0 ° DHE

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	0.9	1.0	1.1	1.2
50	1.6	1.7	1.8	1.9	2.0	2.1	2.3
75	2.4	2.6	2.6	2.8	2.9	3.1	3.5
100	3.2	3.4	3.5	3.7	3.8	4.2	4.6
125	3.9	4.2	4.3	4.5	4.8	5.1	5.6
150	4.6	4.9	5.1	5.4	5.7	6.1	6.7
175	5.4	5.7	5.9	6.2	6.6	7.1	7.8
200	6.1	6.4	6.6	7.0	7.4	8.0	8.8
225	6.8	7.1	7.4	7.9	8.3	9.0	9.8
250	7.4	7.9	8.1	8.6	9.1	9.9	10.8
275	8.1	8.6	8.9	9.4	10.0	10.8	11.8
300	8.8	9.2	9.6	10.2	10.8	11.7	12.8
325	9.4	9.9	10.3	11.0	11.6	12.5	13.7
350	10.0	10.6	11.0	11.7	12.4	13.4	14.7
375	10.7	11.2	11.7	12.5	13.2	14.3	15.6
400	11.3	11.9	12.4	13.2	14.0	15.1	16.6
425	11.9	12.5	13.0	13.9	14.7	15.9	17.5
450	12.5	13.1	13.7	14.6	15.5	16.8	18.4
475	13.1	13.7	14.4	15.3	16.3	17.6	19.3
500	13.7	14.3	15.0	16.0	17.0	18.4	20.1
525	14.2	14.9	15.6	16.7	17.7	19.2	21.0
550	14.8	15.5	16.3	17.4	18.5	20.0	21.9
575	15.4	16.1	16.9	18.0	19.2	20.7	22.7
600	15.9	16.7	17.5	18.7	19.9	21.5	23.6
625	16.5	17.3	18.1	19.3	20.6	22.3	24.4
650	17.0	17.8	18.7	20.0	21.3	23.0	25.2
675	17.6	18.4	19.3	20.6	22.0	23.8	26.0
700	18.1	18.9	19.9	21.3	22.7	24.5	26.9
725	18.6	19.5	20.5	21.9	23.3	25.2	27.7
750	19.1	20.0	21.0	22.5	24.0	26.0	28.5
775	19.6	20.5	21.6	23.1	24.7	26.7	29.2
800	20.2	21.1	22.2	23.7	25.3	27.4	30.0



STATIC RADIAL DEFLECTION – 325/680-18x12.5J @ CA 0.0° DHE





STATIC RADIAL DEFLECTION – 325/680-18x12.5J @ CA -3.0 ° DHE

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	3.5	3.8
100	3.6	3.7	3.8	4.1	4.3	4.6	5.0
125	4.4	4.6	4.7	5.1	5.3	5.7	6.2
150	5.2	5.4	5.6	6.0	6.3	6.8	7.4
175	6.0	6.2	6.5	6.9	7.3	7.8	8.5
200	6.7	7.0	7.3	7.8	8.2	8.9	9.6
225	7.5	7.8	8.1	8.7	9.2	9.9	10.7
250	8.2	8.6	8.9	9.5	10.1	10.8	11.8
275	8.9	9.3	9.7	10.3	11.0	11.8	12.8
300	9.6	10.0	10.5	11.2	11.8	12.8	13.9
325	10.3	10.7	11.2	12.0	12.7	13.7	14.9
350	11.0	11.4	12.0	12.8	13.5	14.6	15.9
375	11.7	12.1	12.7	13.5	14.4	15.5	16.9
400	12.3	12.8	13.4	14.3	15.2	16.4	17.8
425	12.9	13.5	14.1	15.1	16.0	17.3	18.8
450	13.6	14.1	14.8	15.8	16.8	18.1	19.7
475	14.2	14.8	15.5	16.5	17.6	19.0	20.7
500	14.8	15.4	16.2	17.2	18.3	19.8	21.6
525	15.4	16.1	16.8	17.9	19.1	20.6	22.5
550	16.0	16.7	17.5	18.6	19.9	21.5	23.4
575	16.6	17.3	18.1	19.3	20.6	22.3	24.3
600	17.2	17.9	18.8	20.0	21.3	23.1	25.2
625	17.7	18.5	19.4	20.7	22.0	23.8	26.0
650	18.3	19.1	20.0	21.4	22.8	24.6	26.9
675	18.9	19.6	20.6	22.0	23.5	25.4	27.7
700	19.4	20.2	21.2	22.7	24.2	26.1	28.6
725	20.0	20.8	21.8	23.3	24.9	26.9	29.4
750	20.5	21.3	22.4	23.9	25.5	27.6	30.2
775	21.0	21.9	23.0	24.6	26.2	28.4	31.0
800	21.5	22.4	23.6	25.2	26.9	29.1	31.8



STATIC RADIAL DEFLECTION – 325/680-18x12.5J @ CA -3.0° DHE

