



TYRE DATA BOOKLET

315/680-18 DHF

315/680-18 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)
315/680-18 DHF 18"x12.0J	11.0	328	2161	295

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
315/680-18 WH 18"x12.0J	12.7	321	2165	283



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

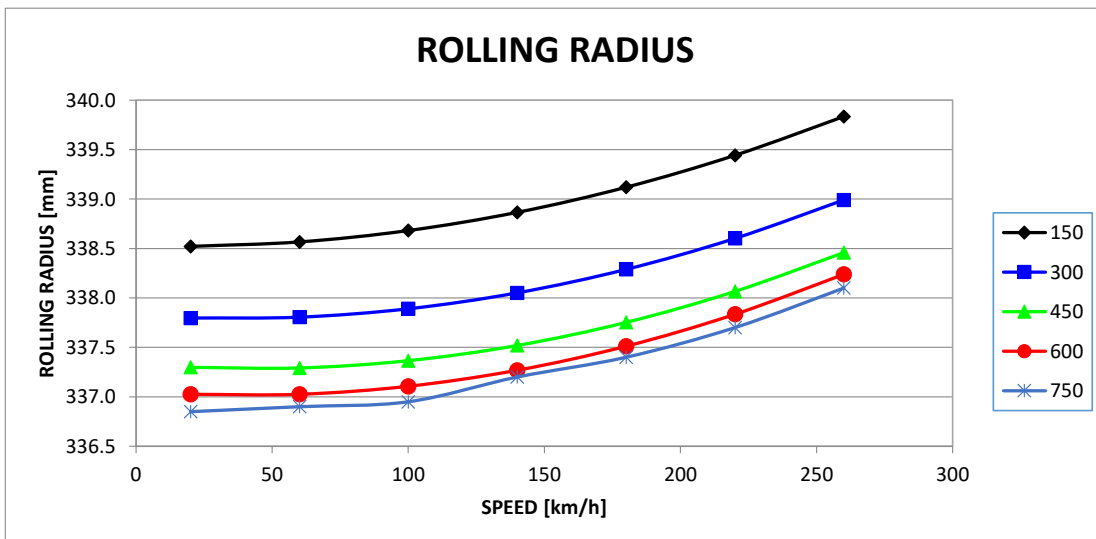
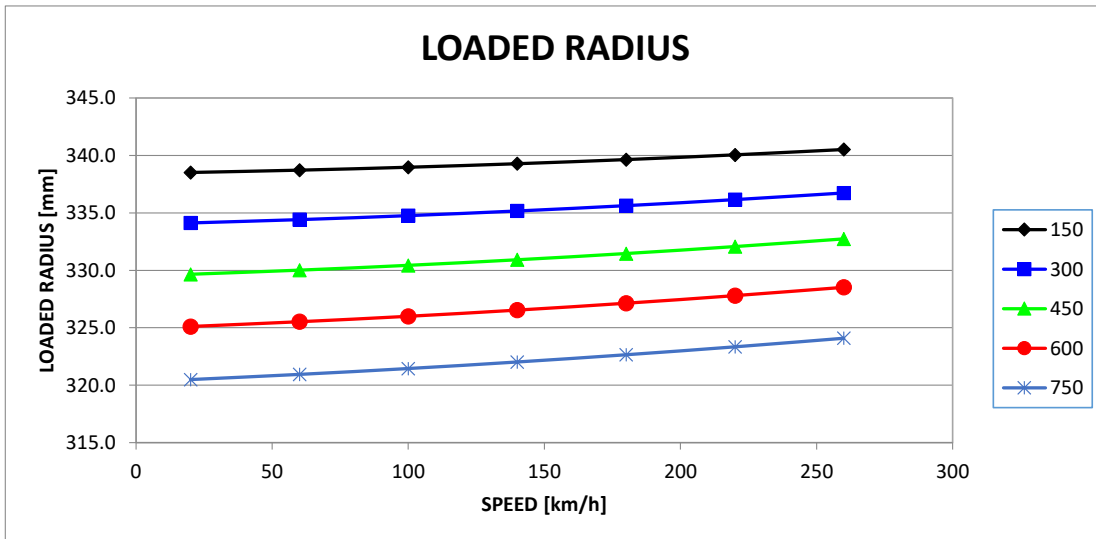
315/680-18x12.0J DHF

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	338.5	334.1	329.7	325.1	320.5
	60	338.7	334.4	330.0	325.5	320.9
	100	339.0	334.8	330.4	326.0	321.5
	140	339.3	335.2	330.9	326.5	322.0
	180	339.6	335.6	331.5	327.1	322.7
	220	340.1	336.2	332.1	327.8	323.3
	260	340.5	336.7	332.7	328.5	324.1
	280					
	300					

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	338.5	337.8	337.3	337.0	336.9
	60	338.6	337.8	337.3	337.0	336.9
	100	338.7	337.9	337.4	337.1	337.0
	140	338.9	338.1	337.5	337.3	337.2
	180	339.1	338.3	337.8	337.5	337.4
	220	339.4	338.6	338.1	337.8	337.7
	260	339.8	339.0	338.5	338.2	338.1
	280					
	300					





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

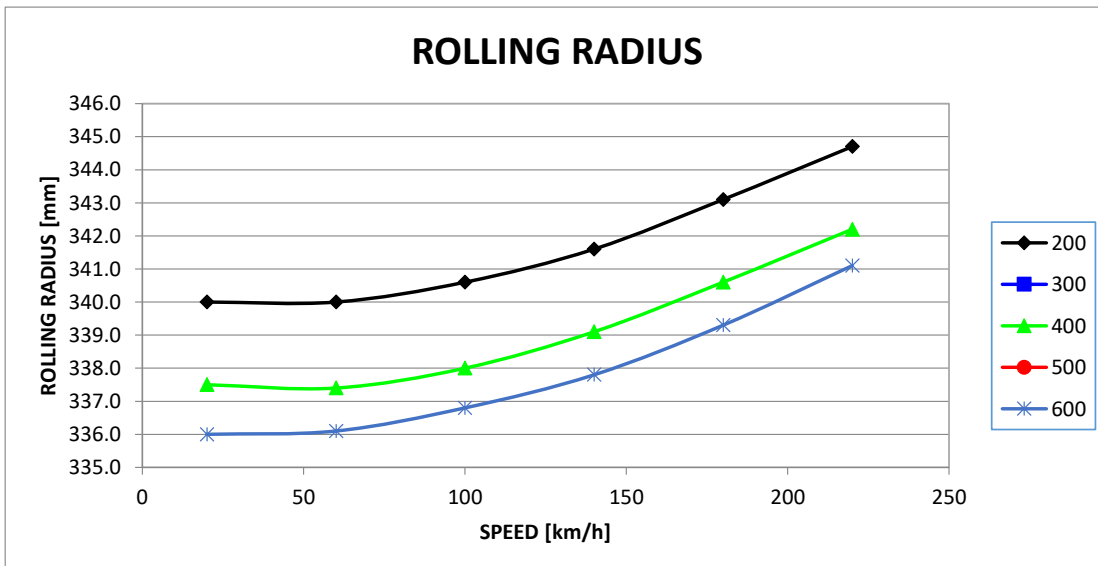
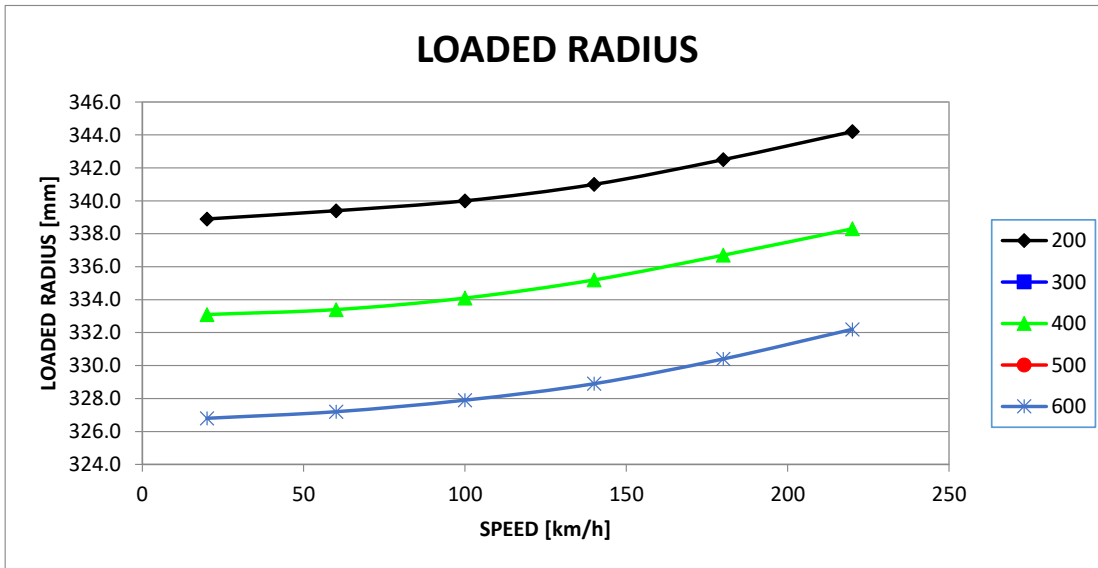
315/680-18x12.0J WH

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°

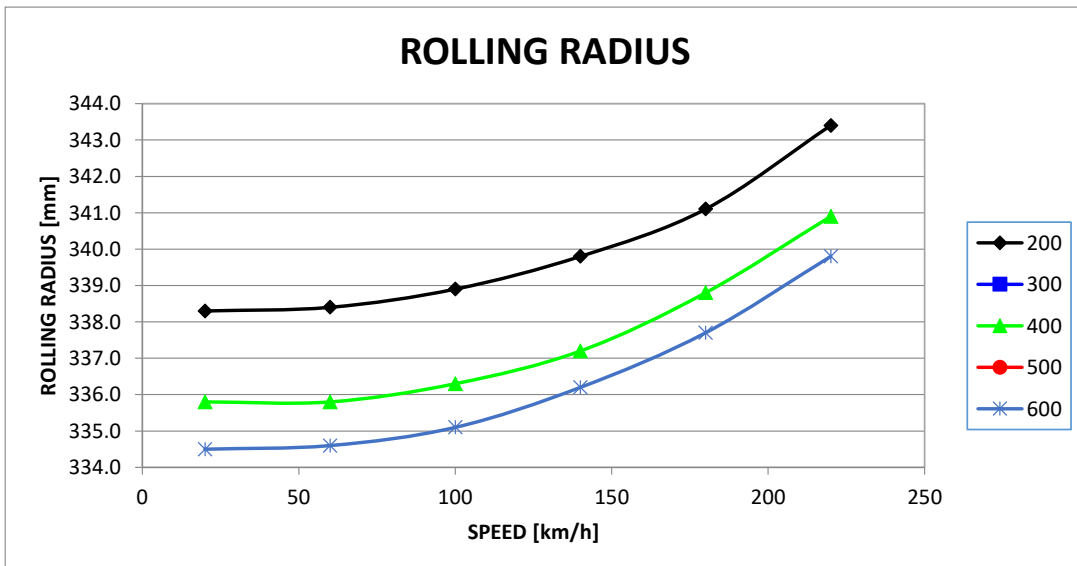
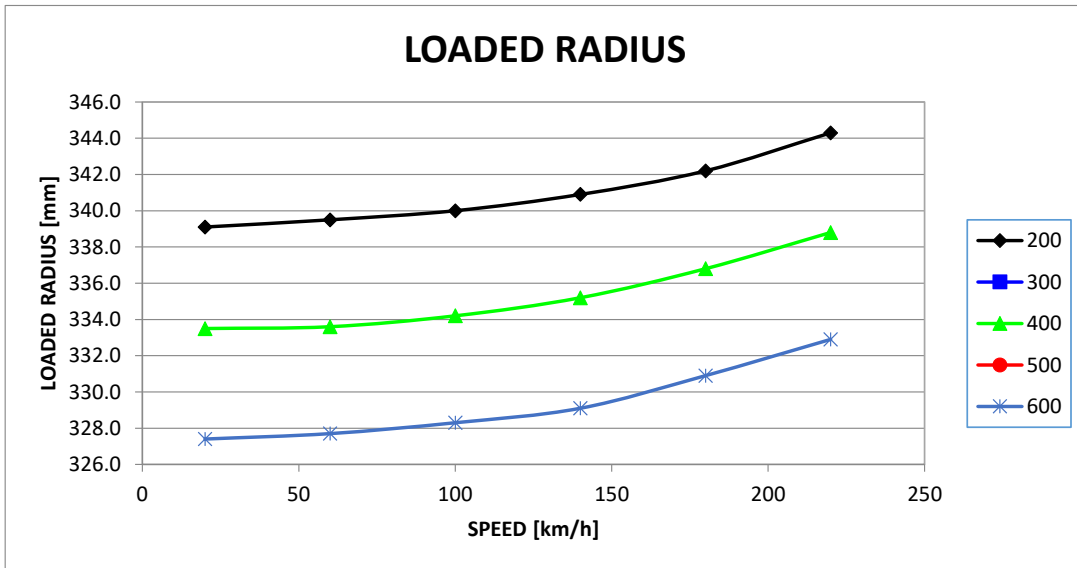
315/680-18x12.5J WH

LOADED RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	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

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	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



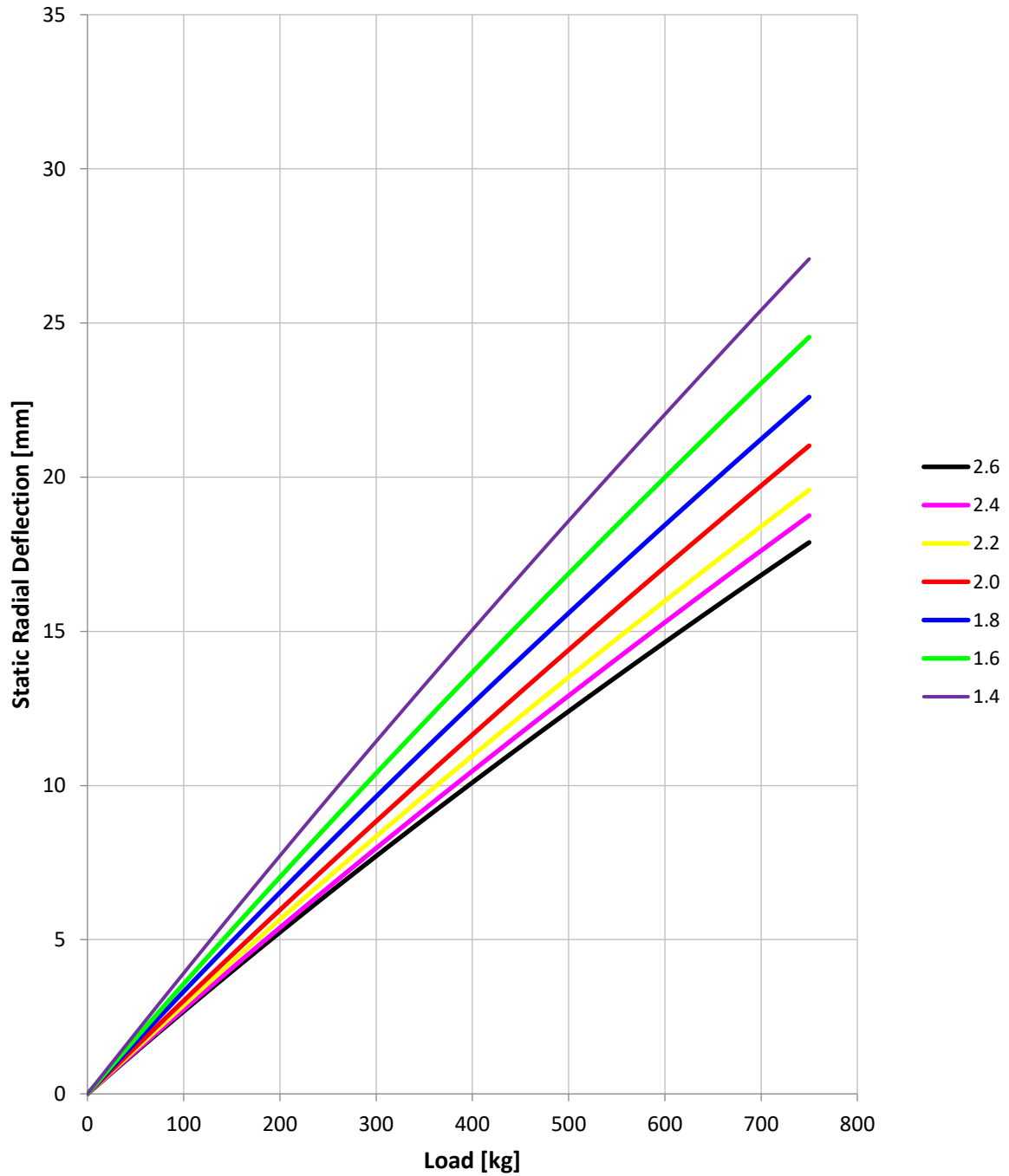


STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ CA 0.0 ° DHF

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	0.7	0.7	0.7	0.8	0.8	0.9	1.0
50	1.4	1.4	1.5	1.5	1.7	1.8	2.0
75	2.0	2.1	2.2	2.3	2.5	2.7	2.9
100	2.7	2.7	2.9	3.0	3.3	3.6	3.9
125	3.3	3.4	3.6	3.8	4.1	4.4	4.9
150	4.0	4.1	4.3	4.5	4.9	5.3	5.8
175	4.6	4.7	5.0	5.2	5.7	6.2	6.8
200	5.2	5.4	5.7	6.0	6.5	7.0	7.7
225	5.9	6.0	6.3	6.7	7.3	7.9	8.7
250	6.5	6.7	7.0	7.4	8.1	8.7	9.6
275	7.1	7.3	7.7	8.1	8.9	9.6	10.5
300	7.7	8.0	8.4	8.8	9.6	10.4	11.4
325	8.3	8.6	9.0	9.5	10.4	11.2	12.3
350	8.9	9.2	9.7	10.2	11.2	12.0	13.2
375	9.5	9.9	10.3	11.0	11.9	12.9	14.2
400	10.1	10.5	11.0	11.6	12.7	13.7	15.0
425	10.7	11.1	11.6	12.3	13.4	14.5	15.9
450	11.3	11.7	12.2	13.0	14.1	15.3	16.8
475	11.8	12.3	12.9	13.7	14.9	16.1	17.7
500	12.4	12.9	13.5	14.4	15.6	16.9	18.6
525	13.0	13.5	14.1	15.1	16.3	17.7	19.5
550	13.5	14.1	14.8	15.7	17.0	18.4	20.3
575	14.1	14.7	15.4	16.4	17.7	19.2	21.2
600	14.6	15.3	16.0	17.1	18.4	20.0	22.0
625	15.2	15.9	16.6	17.7	19.1	20.8	22.9
650	15.7	16.5	17.2	18.4	19.8	21.5	23.7
675	16.3	17.0	17.8	19.1	20.5	22.3	24.6
700	16.8	17.6	18.4	19.7	21.2	23.0	25.4
725	17.4	18.2	19.0	20.4	21.9	23.8	26.2
750	17.9	18.8	19.6	21.0	22.6	24.5	27.1
775							
800							



STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ CA 0.0° DHF





STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ 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	0.9	1.0	1.1	1.1	1.2	1.3
50	1.8	1.9	1.9	2.1	2.2	2.3	2.5
75	2.6	2.7	2.9	3.1	3.3	3.4	3.7
100	3.5	3.6	3.8	4.1	4.3	4.5	4.9
125	4.3	4.4	4.7	5.0	5.3	5.6	6.1
150	5.1	5.3	5.5	6.0	6.3	6.6	7.2
175	5.8	6.0	6.3	6.9	7.2	7.6	8.3
200	6.6	6.8	7.1	7.7	8.1	8.6	9.4
225	7.3	7.6	7.9	8.6	9.0	9.6	10.4
250	8.0	8.3	8.7	9.4	9.9	10.5	11.5
275	8.7	9.0	9.5	10.2	10.8	11.5	12.5
300	9.4	9.7	10.2	11.0	11.6	12.4	13.5
325	10.1	10.4	11.0	11.8	12.5	13.3	14.5
350	10.7	11.1	11.7	12.5	13.3	14.2	15.4
375	11.4	11.8	12.4	13.3	14.1	15.0	16.4
400	12.0	12.4	13.1	14.0	14.9	15.9	17.3
425	12.6	13.1	13.7	14.7	15.7	16.7	18.2
450	13.2	13.7	14.4	15.4	16.4	17.6	19.1
475	13.8	14.3	15.1	16.1	17.2	18.4	20.0
500	14.4	14.9	15.7	16.8	17.9	19.2	20.9
525	15.0	15.5	16.4	17.5	18.6	20.0	21.8
550	15.6	16.1	17.0	18.1	19.3	20.8	22.7
575	16.2	16.7	17.6	18.8	20.1	21.5	23.5
600	16.7	17.3	18.2	19.4	20.7	22.3	24.3
625	17.3	17.8	18.8	20.0	21.4	23.1	25.2
650	17.8	18.4	19.4	20.7	22.1	23.8	26.0
675	18.4	19.0	20.0	21.3	22.8	24.5	26.8
700	18.9	19.5	20.6	21.9	23.4	25.3	27.6
725	19.4	20.1	21.2	22.5	24.1	26.0	28.4
750	20.0	20.6	21.7	23.1	24.7	26.7	29.2
775							
800							



STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ CA -3.0° DHF

