



TYRE DATA BOOKLET

325/705-18 DHD2

325/705-18 DHE

325/705-18 WH

2020

CONTENTS:

1: INTRODUCTION

2: STATIC DIMENSIONS (DHD2/DHE/WH)

3: DYNAMIC MEASUREMENTS (DHD2)

4: DYNAMIC MEASUREMENTS (DHE)

5: DYNAMIC MEASUREMENTS (WH)

6: STATIC RADIAL DEFLECTION (DHD2)

7: STATIC RADIAL DEFLECTION (DHE)



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 DIMENSIONS

Slick Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
325/705-18 DHD2 18"x13J	11.6	354	2218	310
325/705-18 DHE 18"x13.0J	11.4	354	2216	312

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
325/705-18 WH 18"x13.0J	TBA	354	2224	TBA



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

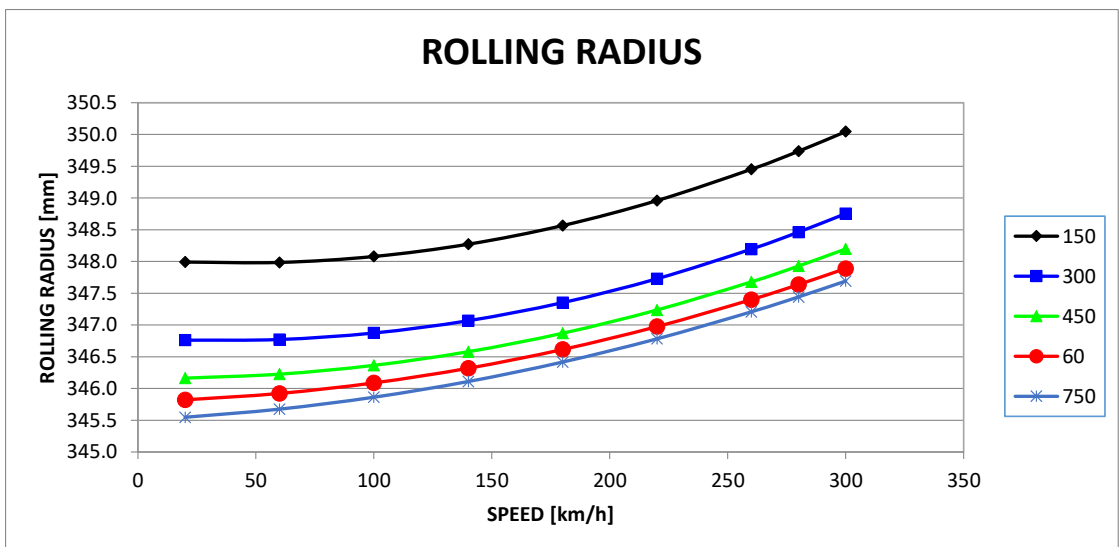
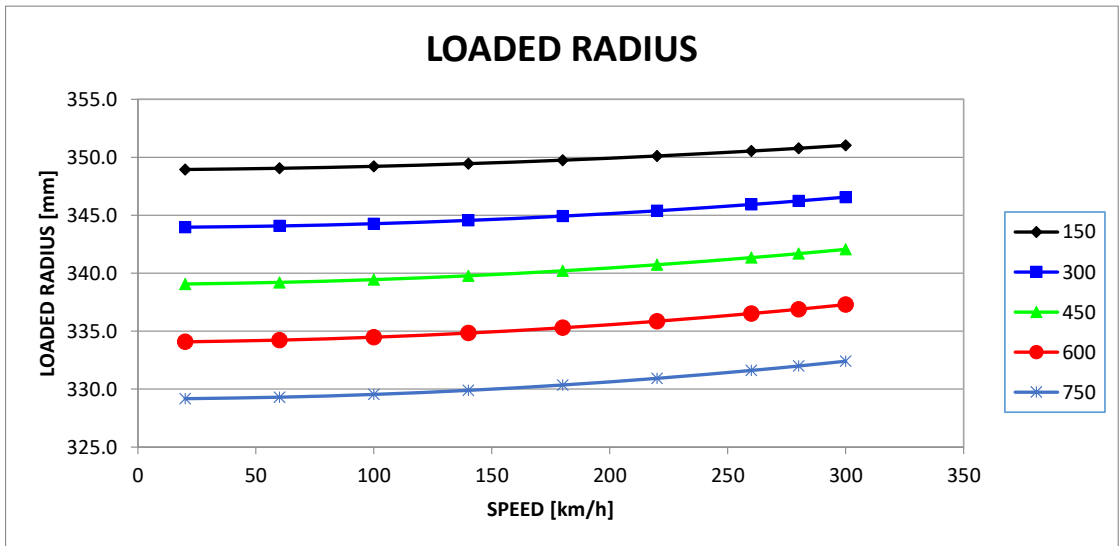
325/705-18x13.0J DHD2

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	348.9	344.0	339.1	334.1	329.2
	60	349.0	344.1	339.2	334.2	329.3
	100	349.2	344.3	339.4	334.5	329.5
	140	349.4	344.6	339.8	334.8	329.9
	180	349.7	344.9	340.2	335.3	330.4
	220	350.1	345.4	340.7	335.9	330.9
	260	350.5	345.9	341.3	336.5	331.6
	280	350.8	346.2	341.7	336.9	332.0
	300	351.0	346.6	342.1	337.3	332.4

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	60	750
SPEED [km/h]	20	348.0	346.8	346.2	345.8	345.5
	60	348.0	346.8	346.2	345.9	345.7
	100	348.1	346.9	346.4	346.1	345.9
	140	348.3	347.1	346.6	346.3	346.1
	180	348.6	347.4	346.9	346.6	346.4
	220	349.0	347.7	347.2	347.0	346.8
	260	349.5	348.2	347.7	347.4	347.2
	280	349.7	348.5	347.9	347.6	347.4
	300	350.0	348.8	348.2	347.9	347.7





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

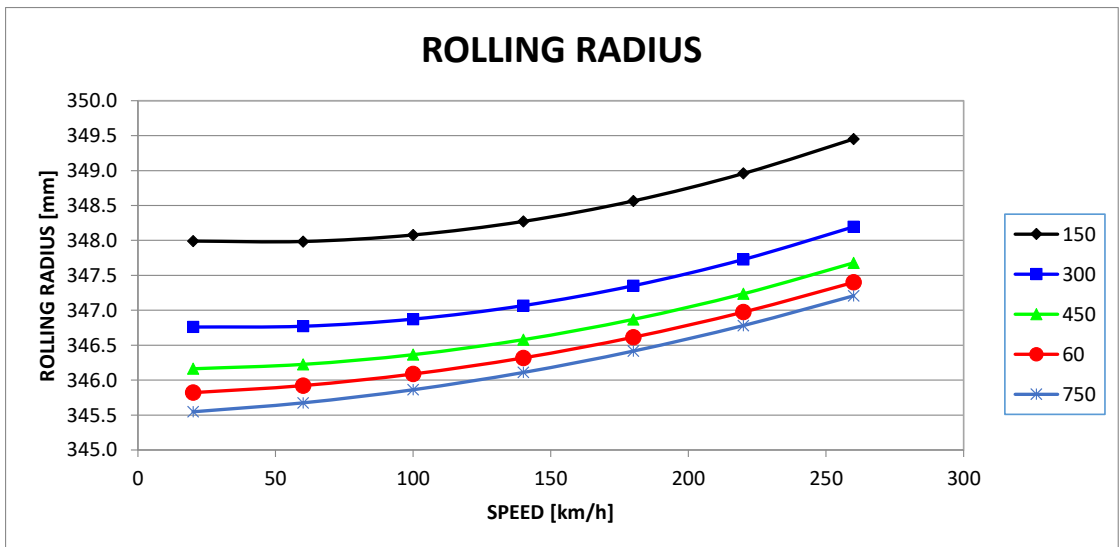
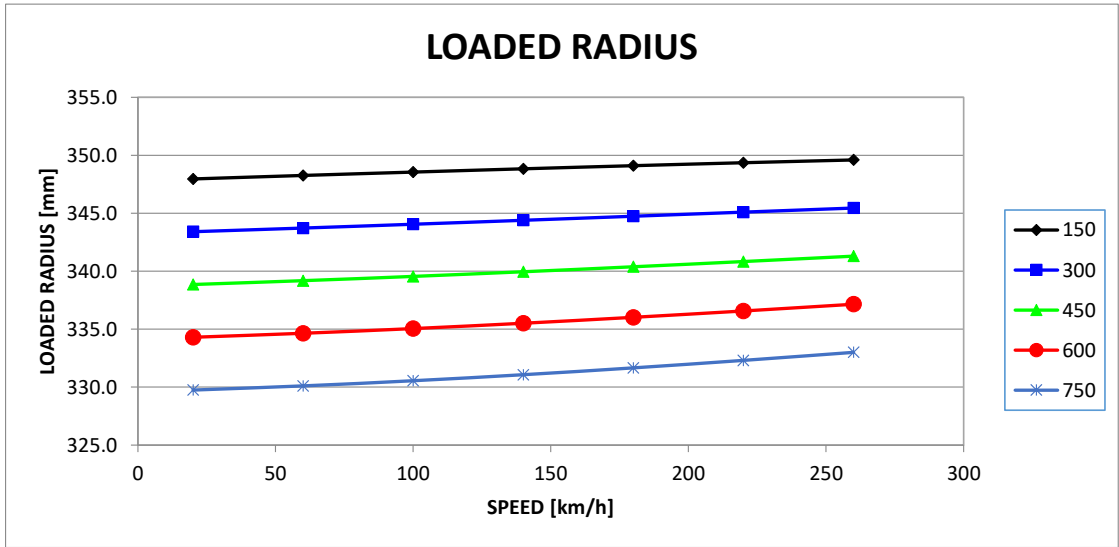
325/705-18x13.0J DHE

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	348.0	343.4	338.9	334.3	329.7
60	348.3	343.7	339.2	334.6	330.1
100	348.5	344.1	339.6	335.1	330.6
140	348.8	344.4	340.0	335.5	331.1
180	349.1	344.7	340.4	336.0	331.7
220	349.4	345.1	340.8	336.6	332.3
260	349.6	345.4	341.3	337.1	333.0

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	60	750
20	348.0	346.8	346.2	345.8	345.5
60	348.0	346.8	346.2	345.9	345.7
100	348.1	346.9	346.4	346.1	345.9
140	348.3	347.1	346.6	346.3	346.1
180	348.6	347.4	346.9	346.6	346.4
220	349.0	347.7	347.2	347.0	346.8
260	349.5	348.2	347.7	347.4	347.2





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

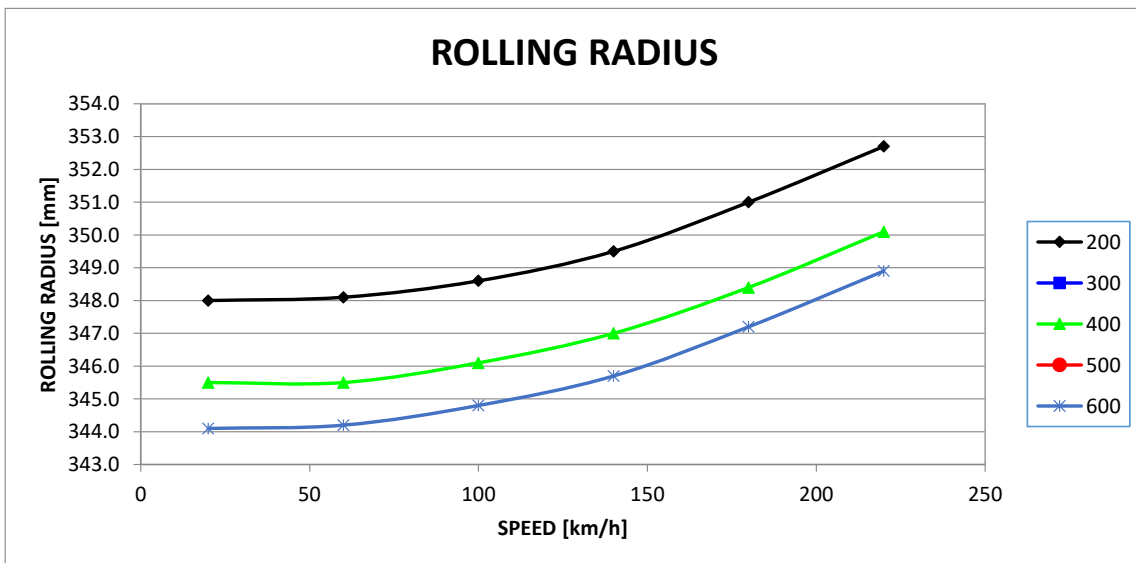
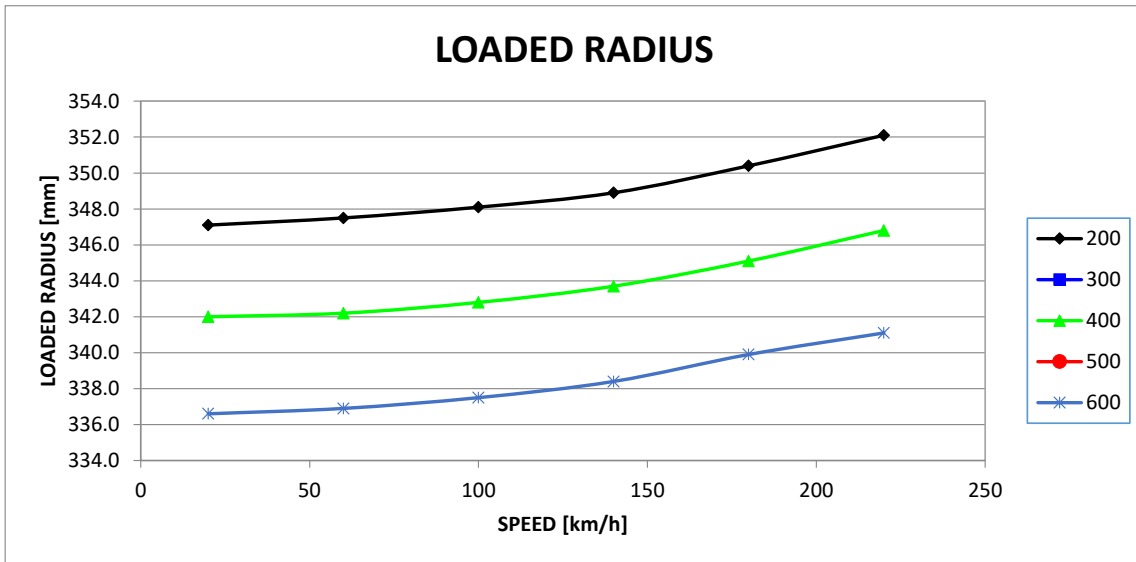
325/705-18x12.5J WH

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	347.1		342.0		336.6
60	347.5		342.2		336.9
100	348.1		342.8		337.5
140	348.9		343.7		338.4
180	350.4		345.1		339.9
220	352.1		346.8		341.1

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	348.0		345.5		344.1
60	348.1		345.5		344.2
100	348.6		346.1		344.8
140	349.5		347.0		345.7
180	351.0		348.4		347.2
220	352.7		350.1		348.9





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

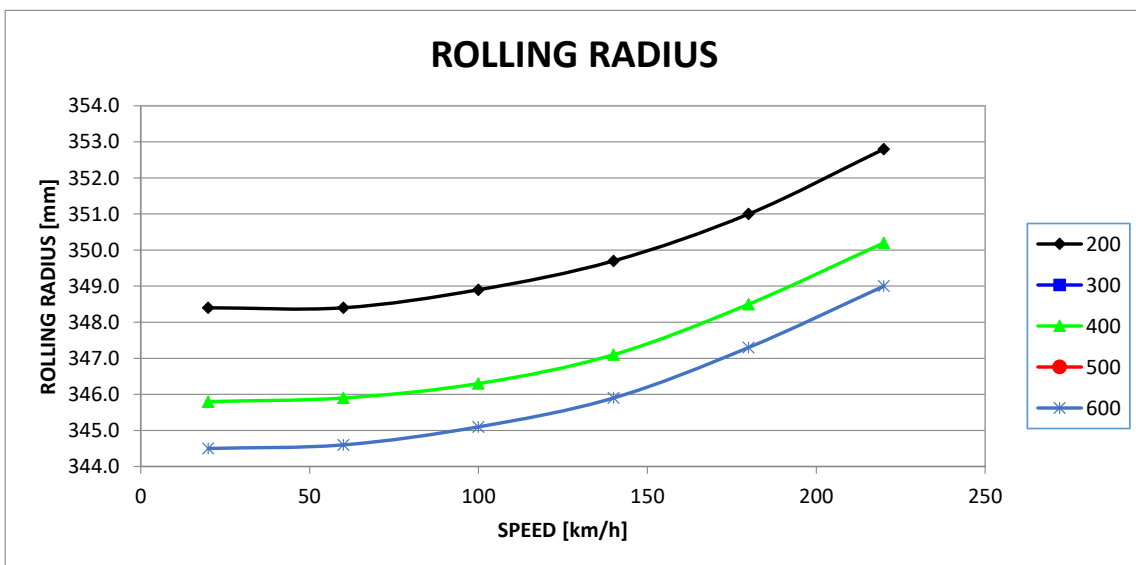
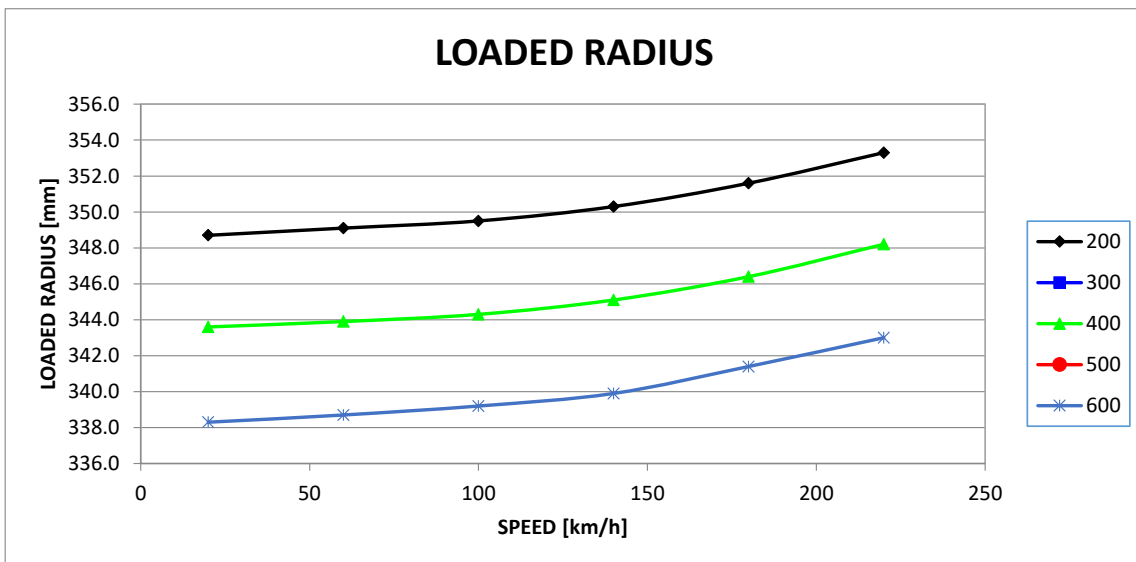
325/705-18x13.0 WH

LOADED RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	348.7		343.6		338.3
	60	349.1		343.9		338.7
	100	349.5		344.3		339.2
	140	350.3		345.1		339.9
	180	351.6		346.4		341.4
	220	353.3		348.2		343.0

ROLLING RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	348.4		345.8		344.5
	60	348.4		345.9		344.6
	100	348.9		346.3		345.1
	140	349.7		347.1		345.9
	180	351.0		348.5		347.3
	220	352.8		350.2		349.0



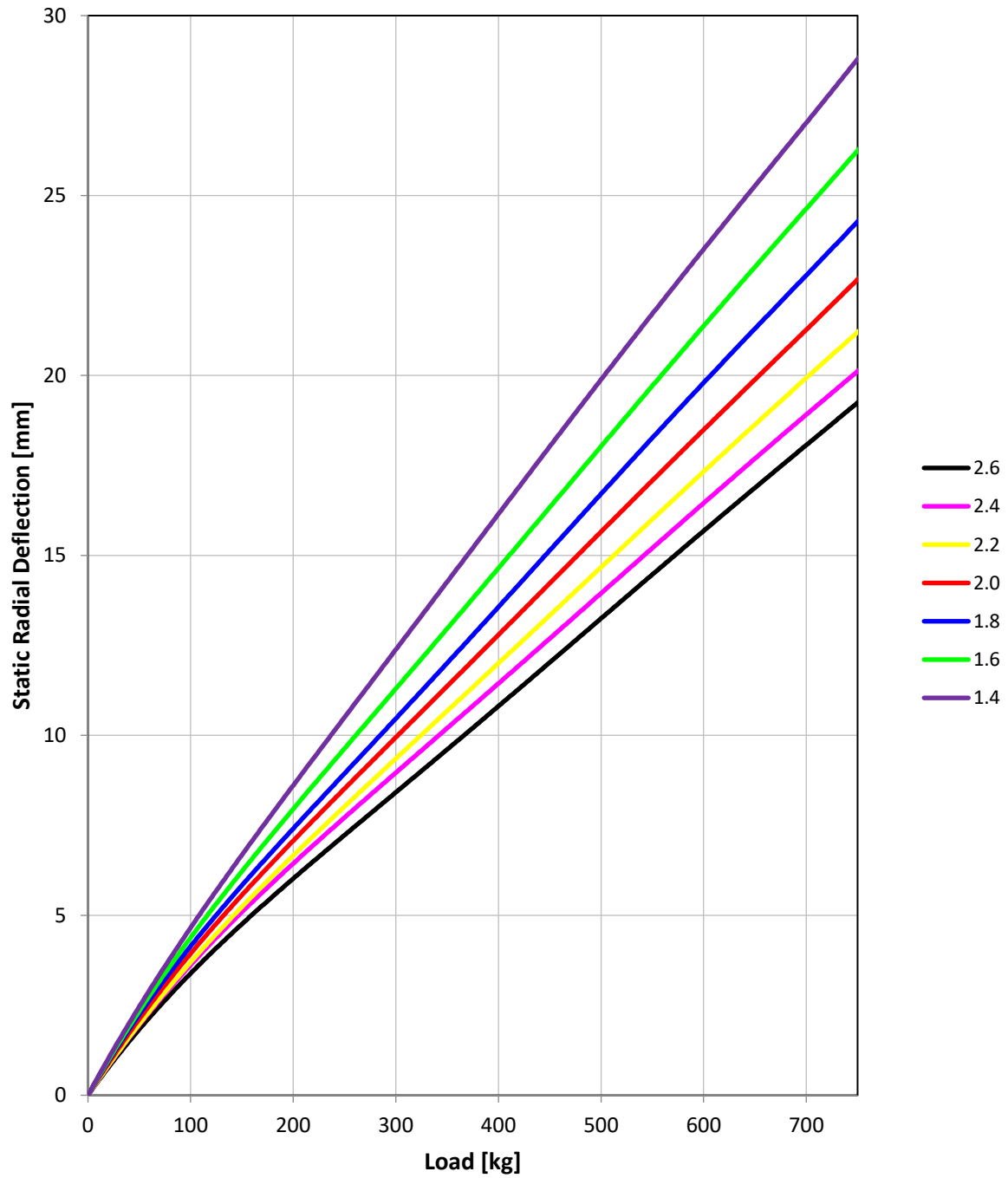


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0 ° DHD2

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	1.1	1.1	1.2	1.2	1.2	1.2
50	1.9	2.0	2.0	2.1	2.2	2.3	2.5
75	2.6	2.8	2.9	3.0	3.1	3.3	3.5
100	3.3	3.5	3.4	3.8	4.1	4.3	4.6
125	4.1	4.4	4.5	4.9	5.0	5.3	5.8
150	4.9	5.1	5.3	5.6	6.0	6.4	6.8
175	5.4	5.8	6.1	6.4	6.7	7.2	7.6
200	6.0	6.5	6.7	7.0	7.4	8.0	8.6
225	6.6	7.1	7.4	7.9	8.2	8.8	9.5
250	7.2	7.7	8.0	8.4	8.9	9.6	10.5
275	7.8	8.3	8.6	9.2	9.7	10.4	11.4
300	8.4	8.9	9.3	10.0	10.4	11.2	12.4
325	9.0	9.6	10.0	10.6	11.2	12.1	13.3
350	9.6	10.2	10.7	11.4	12.0	12.9	14.3
375	10.3	10.8	11.3	12.1	12.8	13.9	15.2
400	10.8	11.5	12.0	12.7	13.6	14.7	16.2
425	11.4	12.1	12.7	13.6	14.2	15.5	17.1
450	12.0	12.7	13.4	14.2	15.2	16.3	18.0
475	12.7	13.3	14.0	14.9	16.0	17.2	19.0
500	13.3	13.9	14.7	15.7	16.8	18.0	19.8
525	13.8	14.6	15.3	16.4	17.5	18.9	20.8
550	14.4	15.2	16.0	17.1	18.2	19.7	21.7
575	15.1	15.8	16.6	17.8	19.0	20.6	22.7
600	15.7	16.5	17.4	18.4	19.8	21.3	23.5
625	16.3	17.1	18.0	19.2	20.6	22.3	24.4
650	16.8	17.6	18.6	19.9	21.3	23.0	25.2
675	17.5	18.3	19.3	20.6	22.0	23.8	26.2
700	18.1	19.0	19.9	21.3	22.8	24.6	27.0
725	18.7	19.5	20.6	21.9	23.5	25.4	27.9
750	19.2	20.1	21.2	22.7	24.3	26.3	28.8
775							
800							



STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0° DHD2



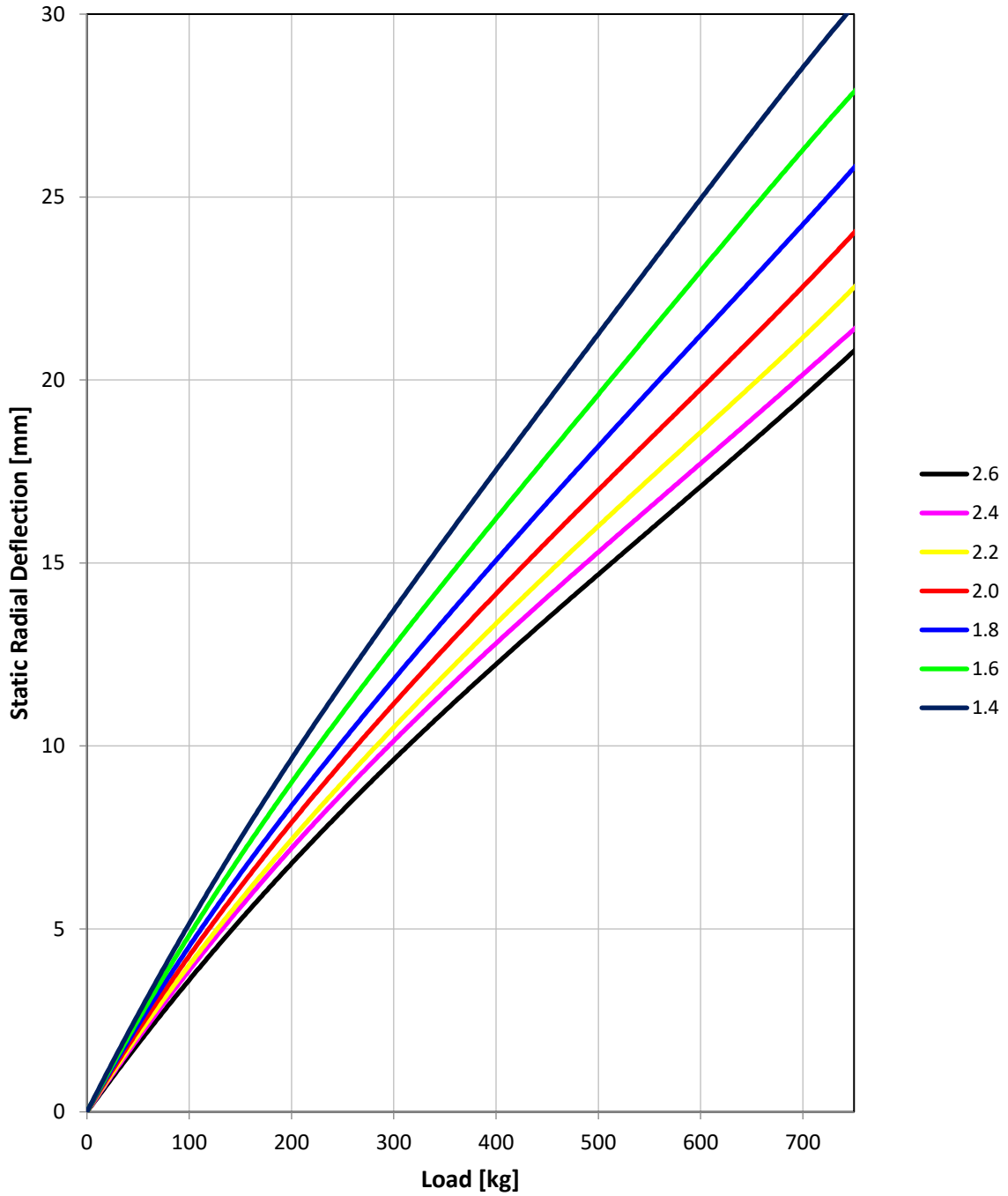


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA -3.0 ° DHD2

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	1.1	1.1	1.2
50	1.9	2.0	2.0	2.2	2.4	2.5	2.6
75	2.8	2.9	3.1	3.2	3.4	3.6	3.8
100	3.7	3.8	4.0	4.2	4.5	4.8	5.1
125	4.6	4.8	5.0	5.3	5.6	6.0	6.5
150	5.4	5.7	5.9	6.3	6.6	7.1	7.6
175	6.2	6.5	6.6	7.1	7.5	8.1	8.6
200	6.8	7.2	7.4	7.9	8.4	9.0	9.7
225	7.5	8.0	8.2	8.7	9.2	10.0	10.6
250	8.2	8.6	9.0	9.5	10.1	10.8	11.7
275	8.9	9.4	9.8	10.3	10.9	11.8	12.7
300	9.5	10.1	10.4	11.1	11.8	12.7	13.7
325	10.2	10.8	11.2	11.9	12.6	13.6	14.7
350	10.8	11.5	12.0	12.7	13.5	14.5	15.6
375	11.6	12.1	12.6	13.5	14.3	15.4	16.6
400	12.1	12.8	13.4	14.2	15.1	16.2	17.5
425	12.8	13.5	14.1	14.9	15.9	17.0	18.5
450	13.5	14.1	14.7	15.7	16.7	17.9	19.4
475	14.0	14.8	15.4	16.2	17.4	18.8	20.3
500	14.8	15.3	16.0	17.0	18.2	19.6	21.3
525	15.4	15.9	16.6	17.6	18.9	20.5	22.2
550	15.9	16.5	17.3	18.4	19.7	21.3	23.1
575	16.5	17.1	17.9	19.1	20.5	22.2	24.1
600	17.2	17.7	18.6	19.7	21.2	23.0	25.0
625	17.8	18.3	19.2	20.5	22.0	23.8	25.9
650	18.4	18.9	19.8	21.1	22.7	24.6	26.7
675	18.9	19.5	20.6	21.8	23.5	25.4	27.6
700	19.5	20.2	21.1	22.6	24.3	26.3	28.5
725	20.1	20.8	21.9	23.3	25.0	27.1	29.4
750	20.7	21.4	22.5	24.0	25.8	27.9	30.3
775							
800							



STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA -3.0° DHD2



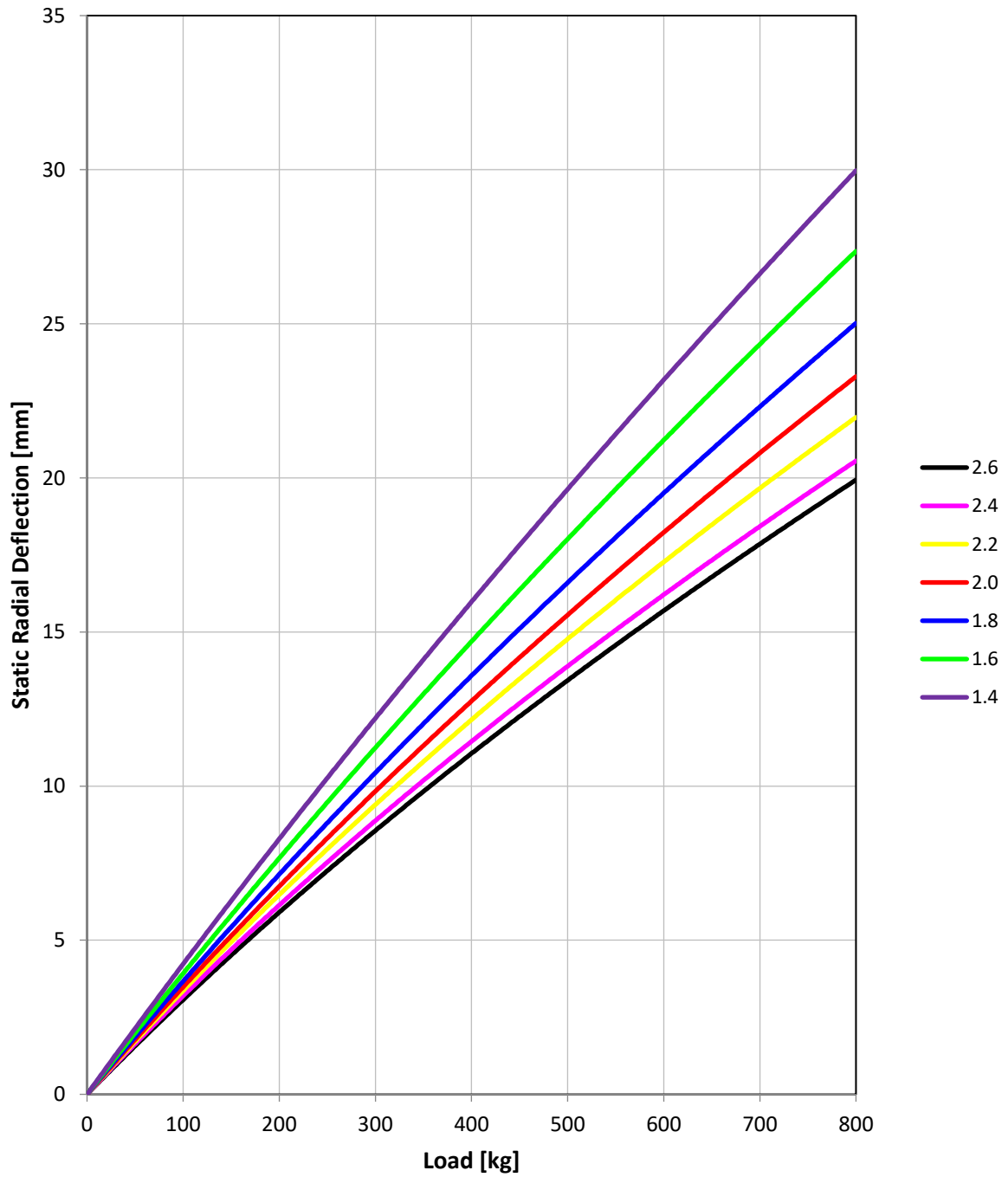


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0 ° DHE

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	0.9	1.0	1.1
50	1.6	1.6	1.7	1.8	1.9	2.0	2.1
75	2.3	2.4	2.5	2.6	2.8	3.0	3.2
100	3.1	3.2	3.4	3.5	3.7	3.9	4.2
125	3.8	4.0	4.2	4.3	4.6	4.9	5.3
150	4.5	4.7	4.9	5.1	5.4	5.8	6.3
175	5.2	5.4	5.7	6.0	6.3	6.7	7.3
200	5.9	6.1	6.5	6.7	7.1	7.7	8.3
225	6.6	6.8	7.2	7.5	8.0	8.6	9.3
250	7.3	7.5	8.0	8.3	8.8	9.5	10.3
275	7.9	8.2	8.7	9.1	9.6	10.4	11.2
300	8.6	8.9	9.4	9.8	10.4	11.2	12.2
325	9.2	9.5	10.1	10.6	11.2	12.1	13.2
350	9.8	10.2	10.8	11.3	12.0	13.0	14.1
375	10.4	10.8	11.5	12.0	12.8	13.8	15.0
400	11.1	11.5	12.2	12.8	13.6	14.7	16.0
425	11.7	12.1	12.8	13.5	14.3	15.5	16.9
450	12.3	12.7	13.5	14.2	15.1	16.4	17.8
475	12.8	13.3	14.1	14.9	15.9	17.2	18.7
500	13.4	13.9	14.8	15.6	16.6	18.0	19.6
525	14.0	14.5	15.4	16.2	17.3	18.8	20.5
550	14.6	15.1	16.0	16.9	18.1	19.6	21.4
575	15.1	15.6	16.7	17.6	18.8	20.4	22.3
600	15.7	16.2	17.3	18.2	19.5	21.2	23.2
625	16.2	16.8	17.9	18.9	20.2	22.0	24.0
650	16.8	17.3	18.5	19.5	20.9	22.8	24.9
675	17.3	17.9	19.1	20.2	21.6	23.6	25.8
700	17.9	18.4	19.7	20.8	22.3	24.3	26.6
725	18.4	19.0	20.2	21.4	23.0	25.1	27.5
750	18.9	19.5	20.8	22.1	23.7	25.9	28.3
775	19.4	20.0	21.4	22.7	24.4	26.6	29.1
800	19.9	20.6	22.0	23.3	25.0	27.4	30.0



STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0° DHE





STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ 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	1.0	1.0	1.1	1.1	1.2	1.2	1.3
50	1.9	2.0	2.1	2.2	2.3	2.4	2.6
75	2.8	2.9	3.1	3.2	3.4	3.6	3.8
100	3.7	3.8	4.0	4.2	4.4	4.7	5.1
125	4.5	4.7	4.9	5.2	5.5	5.8	6.3
150	5.3	5.5	5.8	6.2	6.5	6.9	7.4
175	6.1	6.4	6.7	7.1	7.5	7.9	8.6
200	6.9	7.2	7.6	8.0	8.4	9.0	9.7
225	7.7	8.0	8.4	8.9	9.4	10.0	10.8
250	8.4	8.7	9.2	9.8	10.3	11.0	11.9
275	9.1	9.5	10.0	10.6	11.2	12.0	13.0
300	9.9	10.2	10.8	11.4	12.1	12.9	14.0
325	10.5	10.9	11.6	12.3	13.0	13.9	15.1
350	11.2	11.7	12.3	13.1	13.8	14.8	16.1
375	11.9	12.3	13.1	13.8	14.7	15.7	17.1
400	12.6	13.0	13.8	14.6	15.5	16.6	18.1
425	13.2	13.7	14.5	15.4	16.3	17.5	19.1
450	13.8	14.4	15.2	16.1	17.1	18.4	20.0
475	14.5	15.0	15.9	16.9	17.9	19.2	21.0
500	15.1	15.6	16.6	17.6	18.7	20.1	21.9
525	15.7	16.3	17.2	18.3	19.5	20.9	22.8
550	16.3	16.9	17.9	19.0	20.2	21.8	23.8
575	16.9	17.5	18.5	19.7	21.0	22.6	24.7
600	17.4	18.1	19.2	20.4	21.7	23.4	25.6
625	18.0	18.7	19.8	21.1	22.4	24.2	26.4
650	18.6	19.3	20.4	21.7	23.2	25.0	27.3
675	19.1	19.9	21.0	22.4	23.9	25.7	28.2
700	19.7	20.4	21.7	23.0	24.6	26.5	29.0
725	20.2	21.0	22.3	23.7	25.3	27.3	29.9
750	20.7	21.5	22.8	24.3	26.0	28.0	30.7
775	21.3	22.1	23.4	24.9	26.6	28.8	31.5
800	21.8	22.6	24.0	25.6	27.3	29.5	32.4



STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA -3.0° DHE

