



TYRE DATA BOOKLET

320/710-18 DHG

320/710-18 WHB

2025 - 2026

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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 DIMENSIONS

Slick Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
320/710-18 DHG 18"x13.0J	11.6	352	2215	314

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
320/710-18 WHB 18"x13.0J	13.6	351	2232	310



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

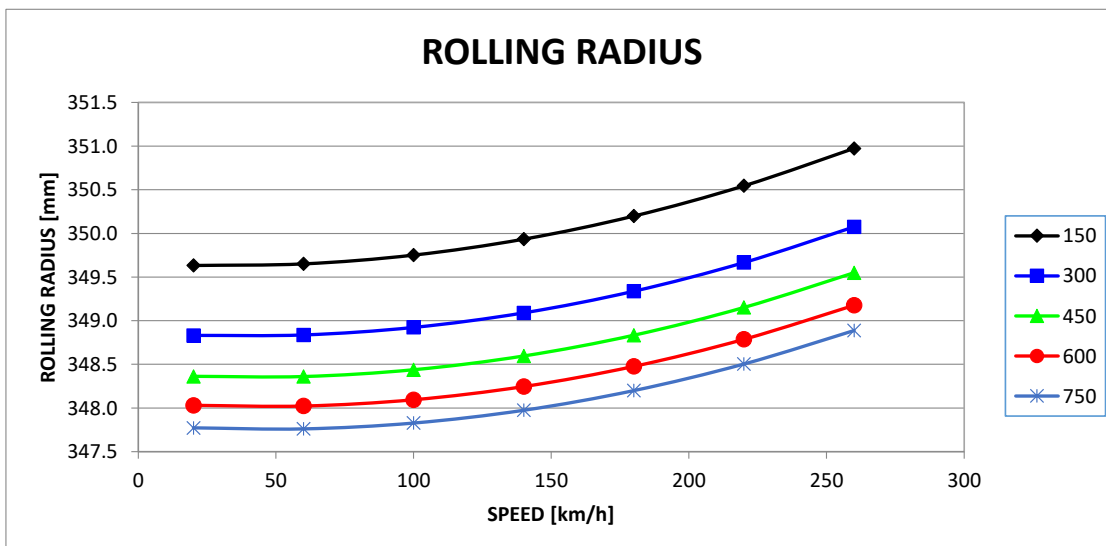
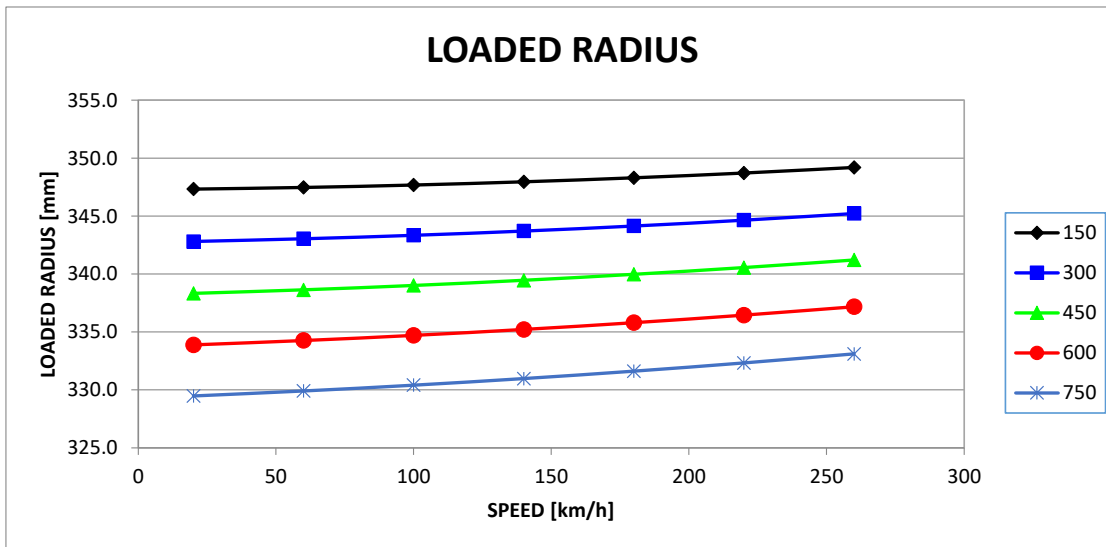
320/710-18x13.0J DHG

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	347.3	342.8	338.3	333.9	329.5
60	347.5	343.0	338.6	334.3	329.9
100	347.7	343.3	339.0	334.7	330.4
140	348.0	343.7	339.5	335.2	331.0
180	348.3	344.1	340.0	335.8	331.6
220	348.7	344.6	340.6	336.5	332.3
260	349.2	345.2	341.2	337.2	333.1

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	349.6	348.8	348.4	348.0	347.8
60	349.7	348.8	348.4	348.0	347.8
100	349.8	348.9	348.4	348.1	347.8
140	349.9	349.1	348.6	348.2	348.0
180	350.2	349.3	348.8	348.5	348.2
220	350.5	349.7	349.2	348.8	348.5
260	351.0	350.1	349.5	349.2	348.9





DYNAMIC MEASUREMENTS @ 1.8bar (26psi), CA 0.0°

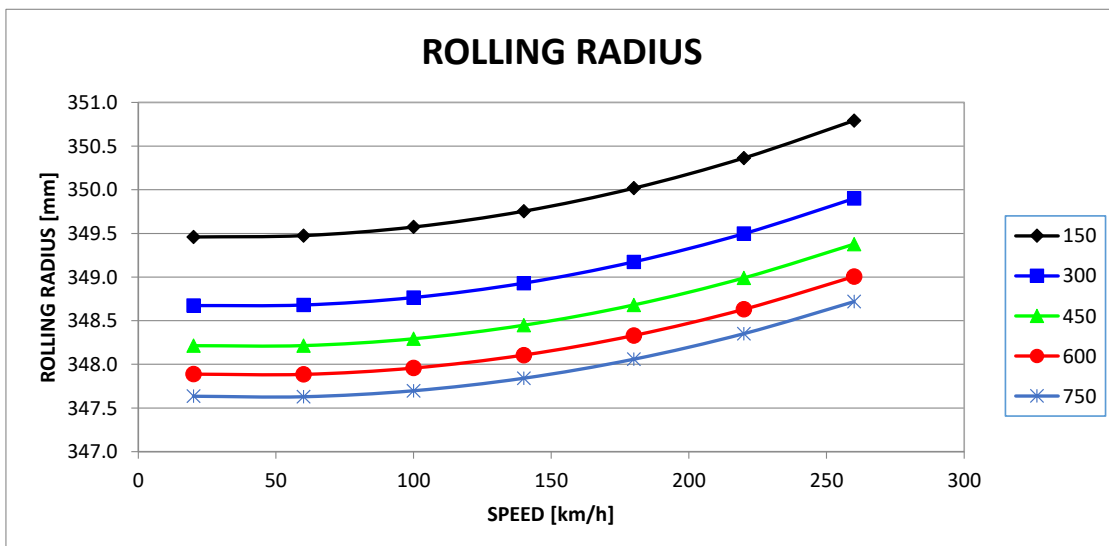
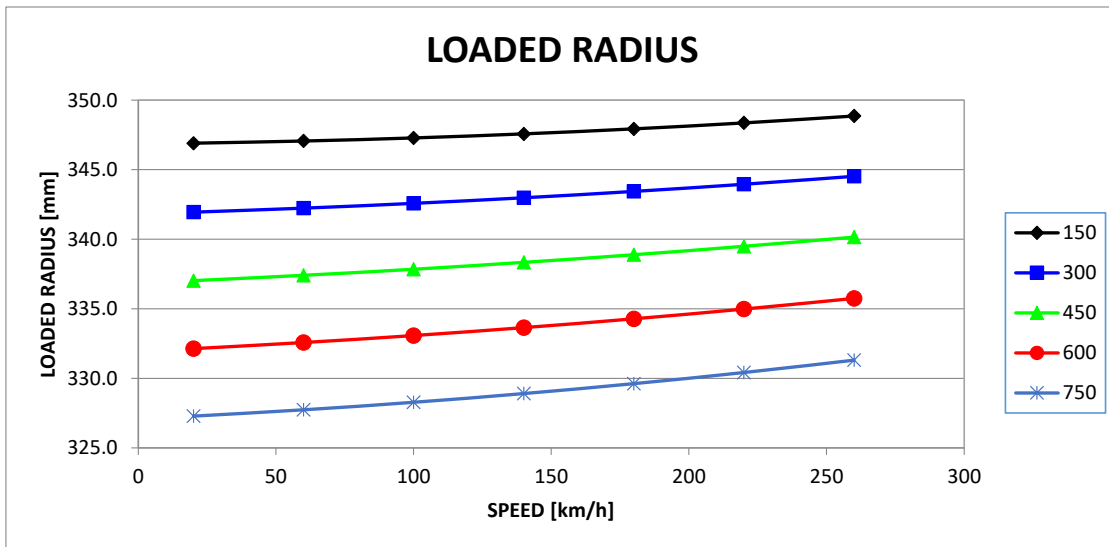
320/710-18x13.0J DHG

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	346.9	341.9	337.0	332.1	327.3
60	347.1	342.2	337.4	332.6	327.7
100	347.3	342.6	337.8	333.1	328.3
140	347.6	343.0	338.3	333.6	328.9
180	347.9	343.4	338.9	334.3	329.6
220	348.4	344.0	339.5	335.0	330.4
260	348.9	344.5	340.2	335.7	331.3

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	349.5	348.7	348.2	347.9	347.6
60	349.5	348.7	348.2	347.9	347.6
100	349.6	348.8	348.3	348.0	347.7
140	349.8	348.9	348.4	348.1	347.8
180	350.0	349.2	348.7	348.3	348.1
220	350.4	349.5	349.0	348.6	348.4
260	350.8	349.9	349.4	349.0	348.7





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

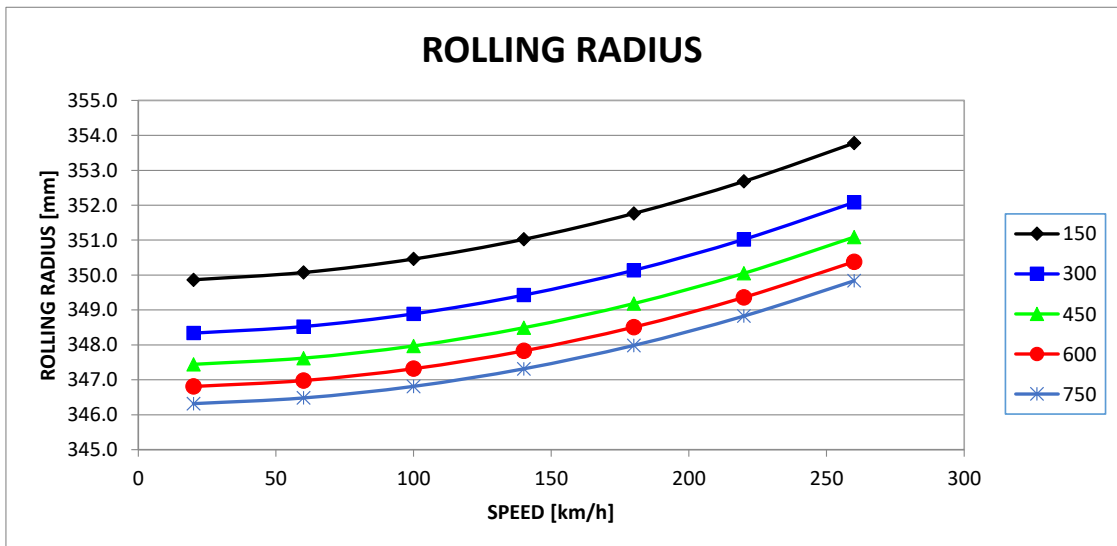
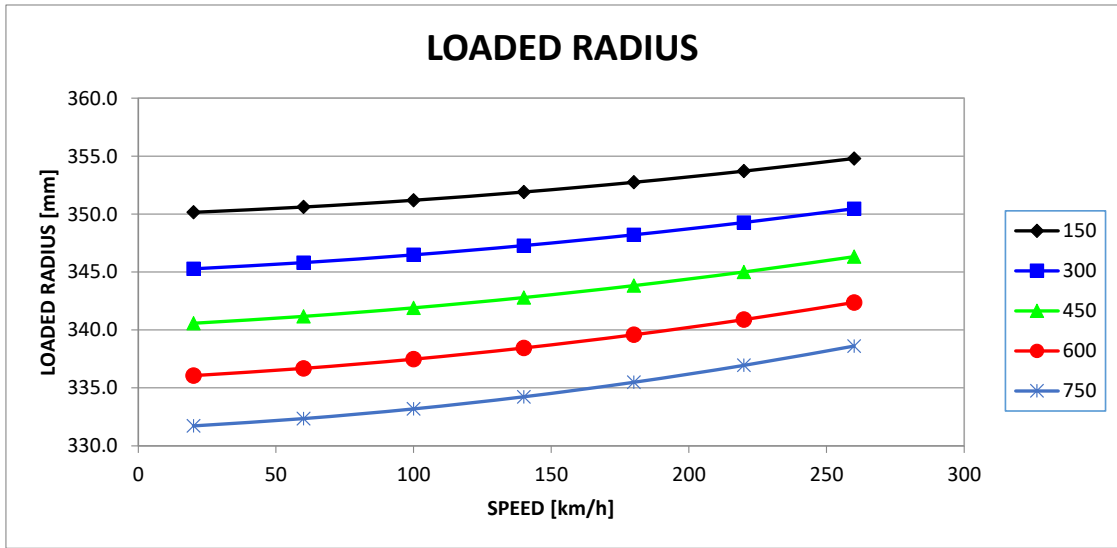
320/710-18x13.0J WHB

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	350.1	345.3	340.6	336.1	331.7
60	350.6	345.8	341.2	336.7	332.4
100	351.2	346.5	341.9	337.5	333.2
140	351.9	347.3	342.8	338.4	334.2
180	352.7	348.2	343.8	339.6	335.5
220	353.7	349.3	345.0	340.9	336.9
260	354.8	350.5	346.3	342.4	338.6

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	349.9	348.3	347.4	346.8	346.3
60	350.1	348.5	347.6	347.0	346.5
100	350.5	348.9	348.0	347.3	346.8
140	351.0	349.4	348.5	347.8	347.3
180	351.8	350.1	349.2	348.5	348.0
220	352.7	351.0	350.1	349.4	348.8
260	353.8	352.1	351.1	350.4	349.8





DYNAMIC MEASUREMENTS @ 1.8bar (26psi), CA 0.0°

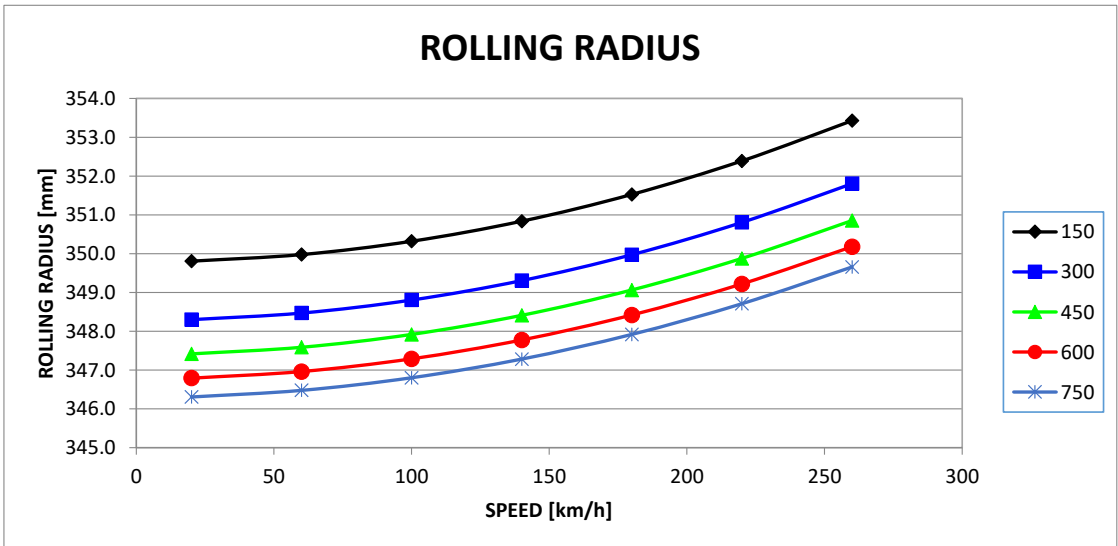
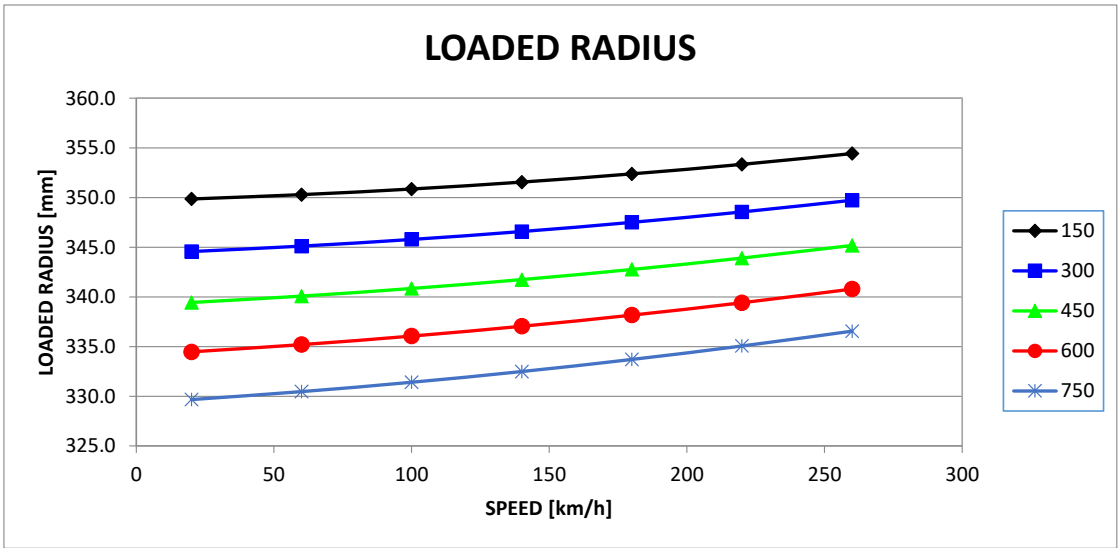
320/710-18x13.0J WHB

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	349.9	344.6	339.4	334.5	329.7
60	350.3	345.1	340.1	335.2	330.5
100	350.9	345.8	340.8	336.1	331.4
140	351.6	346.6	341.7	337.0	332.5
180	352.4	347.5	342.8	338.2	333.7
220	353.3	348.5	343.9	339.4	335.1
260	354.4	349.7	345.2	340.8	336.5

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	349.8	348.3	347.4	346.8	346.3
60	350.0	348.5	347.6	347.0	346.5
100	350.3	348.8	347.9	347.3	346.8
140	350.8	349.3	348.4	347.8	347.3
180	351.5	350.0	349.1	348.4	347.9
220	352.4	350.8	349.9	349.2	348.7
260	353.4	351.8	350.9	350.2	349.7



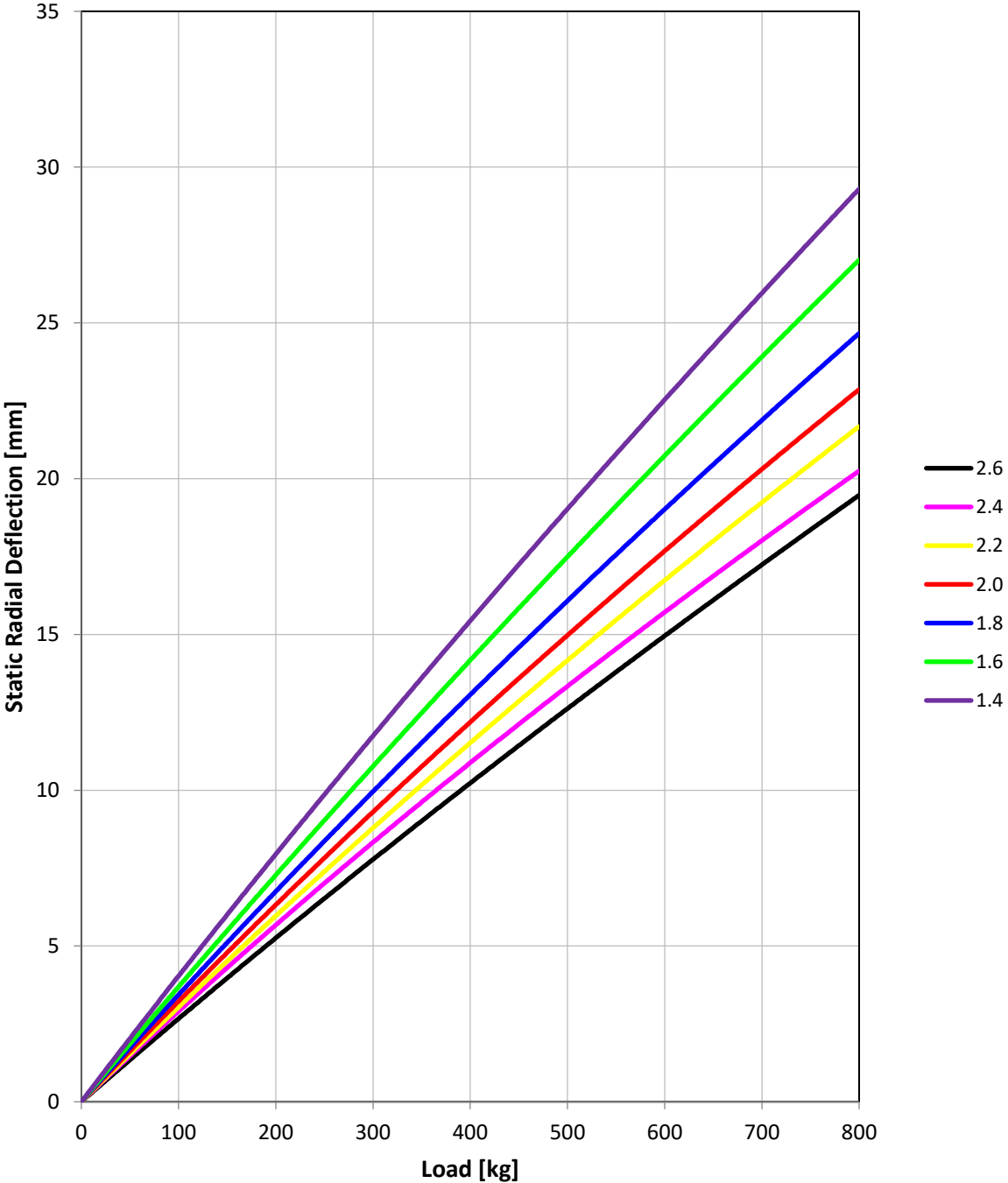


STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA 0.0 ° DHG

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	0.8	0.8	0.9	0.9	1.0
50	1.3	1.5	1.5	1.6	1.7	1.9	2.0
75	2.0	2.2	2.3	2.4	2.6	2.8	3.0
100	2.7	2.9	3.0	3.2	3.4	3.7	4.0
125	3.3	3.6	3.8	4.0	4.3	4.6	5.0
150	4.0	4.3	4.5	4.8	5.1	5.5	6.0
175	4.6	5.0	5.2	5.6	5.9	6.4	7.0
200	5.3	5.7	6.0	6.3	6.8	7.3	7.9
225	5.9	6.3	6.7	7.1	7.6	8.2	8.9
250	6.5	7.0	7.4	7.8	8.4	9.0	9.9
275	7.2	7.7	8.1	8.6	9.2	9.9	10.8
300	7.8	8.3	8.8	9.3	10.0	10.8	11.7
325	8.4	9.0	9.5	10.0	10.7	11.6	12.7
350	9.0	9.6	10.2	10.8	11.5	12.5	13.6
375	9.6	10.3	10.8	11.5	12.3	13.3	14.5
400	10.2	10.9	11.5	12.2	13.1	14.2	15.4
425	10.8	11.5	12.2	12.9	13.8	15.0	16.3
450	11.4	12.1	12.9	13.6	14.6	15.8	17.2
475	12.0	12.7	13.5	14.3	15.3	16.7	18.1
500	12.6	13.3	14.2	15.0	16.1	17.5	19.0
525	13.2	13.9	14.8	15.7	16.8	18.3	19.9
550	13.8	14.5	15.5	16.3	17.6	19.1	20.8
575	14.4	15.1	16.1	17.0	18.3	19.9	21.7
600	15.0	15.7	16.7	17.7	19.0	20.7	22.5
625	15.5	16.3	17.4	18.3	19.7	21.5	23.4
650	16.1	16.9	18.0	19.0	20.5	22.3	24.3
675	16.7	17.4	18.6	19.7	21.2	23.1	25.1
700	17.2	18.0	19.2	20.3	21.9	23.9	26.0
725	17.8	18.6	19.9	21.0	22.6	24.7	26.8
750	18.4	19.1	20.5	21.6	23.3	25.5	27.6
775	18.9	19.7	21.1	22.2	24.0	26.2	28.5
800	19.5	20.2	21.7	22.9	24.7	27.0	29.3



STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA 0.0° DHG



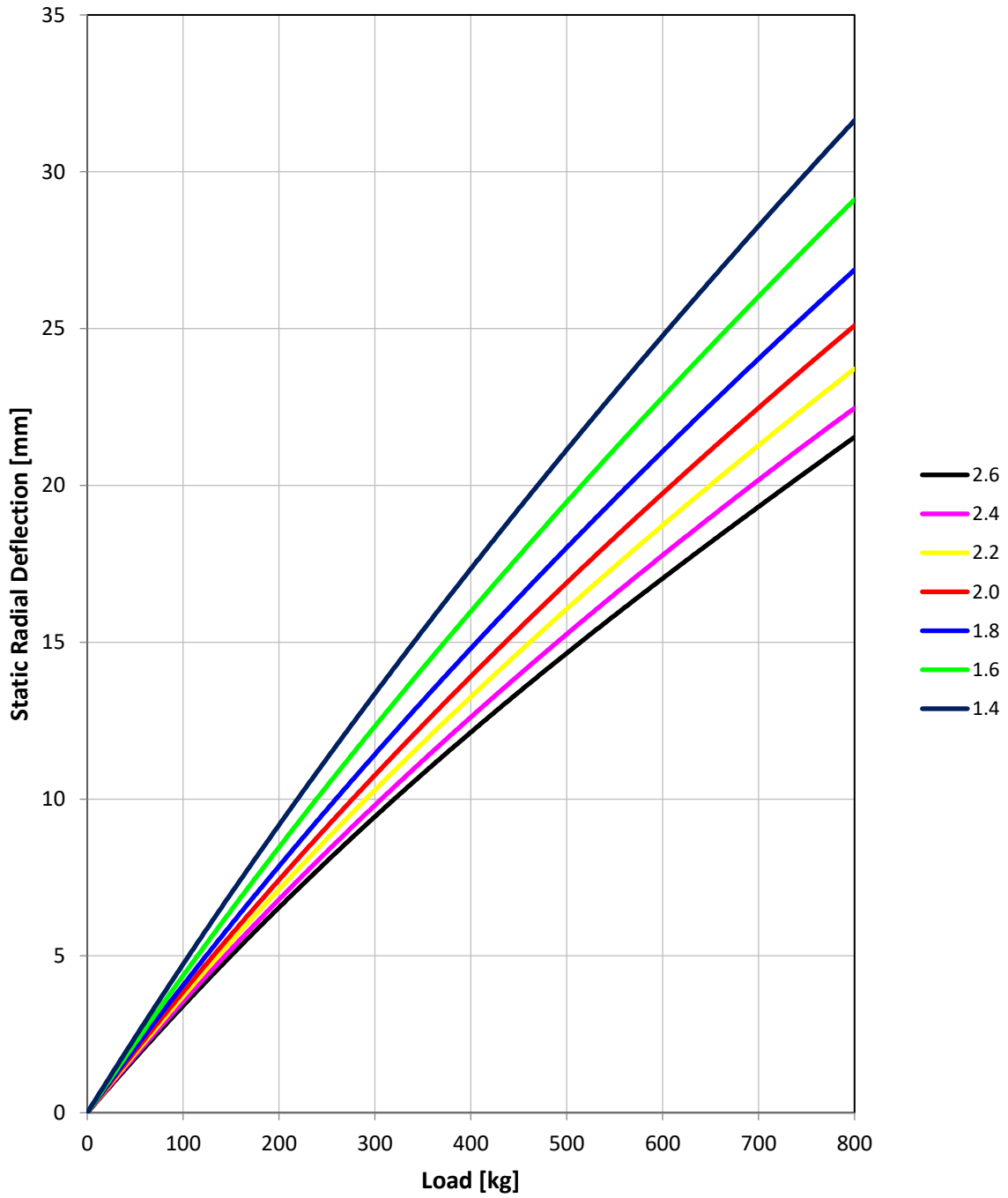


STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA -3.0 ° DHG

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	1.0	1.0	1.1	1.2
50	1.8	1.8	1.9	2.0	2.1	2.2	2.4
75	2.6	2.7	2.8	2.9	3.1	3.3	3.6
100	3.4	3.6	3.7	3.9	4.1	4.4	4.7
125	4.2	4.4	4.6	4.8	5.0	5.4	5.9
150	5.0	5.2	5.5	5.7	6.0	6.5	7.0
175	5.8	6.0	6.3	6.6	6.9	7.5	8.1
200	6.6	6.8	7.1	7.4	7.9	8.5	9.2
225	7.3	7.6	7.9	8.3	8.8	9.5	10.2
250	8.0	8.3	8.7	9.1	9.7	10.4	11.3
275	8.7	9.1	9.5	9.9	10.6	11.4	12.3
300	9.4	9.8	10.3	10.8	11.4	12.3	13.4
325	10.1	10.5	11.1	11.6	12.3	13.3	14.4
350	10.8	11.2	11.8	12.4	13.1	14.2	15.4
375	11.5	11.9	12.5	13.1	14.0	15.1	16.4
400	12.1	12.6	13.3	13.9	14.8	16.0	17.3
425	12.8	13.3	14.0	14.7	15.6	16.9	18.3
450	13.4	14.0	14.7	15.4	16.4	17.8	19.3
475	14.0	14.6	15.4	16.2	17.2	18.6	20.2
500	14.7	15.3	16.1	16.9	18.0	19.5	21.1
525	15.3	15.9	16.7	17.6	18.8	20.3	22.1
550	15.9	16.5	17.4	18.3	19.6	21.2	23.0
575	16.5	17.2	18.1	19.0	20.3	22.0	23.9
600	17.0	17.8	18.7	19.7	21.1	22.8	24.8
625	17.6	18.4	19.4	20.4	21.8	23.6	25.7
650	18.2	19.0	20.0	21.1	22.6	24.4	26.5
675	18.8	19.6	20.7	21.8	23.3	25.2	27.4
700	19.3	20.2	21.3	22.5	24.0	26.0	28.3
725	19.9	20.8	21.9	23.1	24.8	26.8	29.1
750	20.4	21.3	22.5	23.8	25.5	27.6	30.0
775	21.0	21.9	23.1	24.5	26.2	28.4	30.8
800	21.5	22.5	23.7	25.1	26.9	29.1	31.6



STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA -3.0° DHG



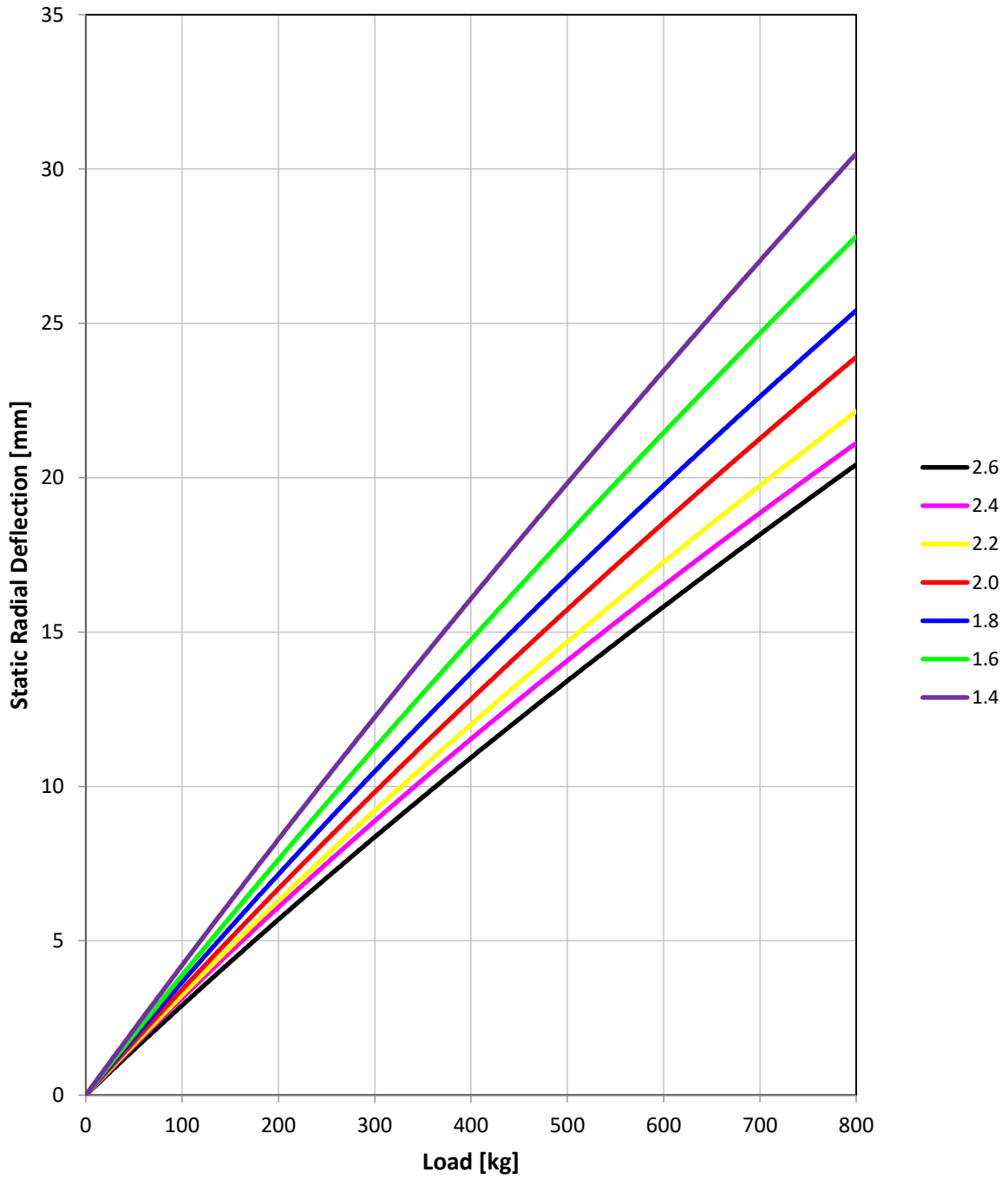


STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA 0.0 ° WHB

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	0.8	0.8	0.9	0.9	1.0	1.1
50	1.5	1.6	1.6	1.7	1.9	2.0	2.1
75	2.2	2.4	2.4	2.6	2.8	2.9	3.2
100	2.9	3.1	3.2	3.4	3.7	3.9	4.2
125	3.6	3.9	4.0	4.2	4.5	4.8	5.2
150	4.3	4.6	4.8	5.1	5.4	5.8	6.3
175	5.0	5.4	5.6	5.9	6.3	6.7	7.3
200	5.7	6.1	6.3	6.7	7.1	7.6	8.3
225	6.4	6.8	7.0	7.5	8.0	8.5	9.3
250	7.0	7.5	7.8	8.3	8.8	9.5	10.3
275	7.7	8.2	8.5	9.0	9.7	10.4	11.3
300	8.4	8.9	9.2	9.8	10.5	11.3	12.2
325	9.0	9.6	9.9	10.6	11.3	12.1	13.2
350	9.7	10.2	10.6	11.3	12.1	13.0	14.2
375	10.3	10.9	11.3	12.1	12.9	13.9	15.1
400	10.9	11.5	12.0	12.8	13.7	14.8	16.1
425	11.6	12.2	12.7	13.6	14.5	15.6	17.0
450	12.2	12.8	13.4	14.3	15.2	16.5	18.0
475	12.8	13.5	14.0	15.0	16.0	17.3	18.9
500	13.4	14.1	14.7	15.7	16.8	18.2	19.8
525	14.0	14.7	15.3	16.4	17.5	19.0	20.7
550	14.6	15.3	16.0	17.1	18.3	19.8	21.7
575	15.2	15.9	16.6	17.8	19.0	20.6	22.6
600	15.8	16.5	17.3	18.5	19.7	21.5	23.5
625	16.4	17.1	17.9	19.2	20.5	22.3	24.4
650	17.0	17.7	18.5	19.9	21.2	23.1	25.3
675	17.6	18.3	19.1	20.6	21.9	23.9	26.1
700	18.2	18.9	19.8	21.3	22.6	24.7	27.0
725	18.7	19.4	20.4	21.9	23.3	25.5	27.9
750	19.3	20.0	21.0	22.6	24.0	26.3	28.8
775	19.9	20.6	21.6	23.3	24.7	27.0	29.6
800	20.4	21.1	22.2	23.9	25.4	27.8	30.5



STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA 0.0° WHB





STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA 3.0 ° WHB

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	1.6	1.7	1.8	1.9	2.0	2.2	2.4
75	2.4	2.6	2.7	2.9	3.0	3.3	3.5
100	3.2	3.4	3.6	3.8	4.0	4.3	4.7
125	4.0	4.2	4.4	4.7	4.9	5.4	5.8
150	4.8	5.0	5.3	5.6	5.9	6.4	6.9
175	5.5	5.8	6.1	6.5	6.8	7.4	8.0
200	6.2	6.6	6.9	7.3	7.7	8.4	9.1
225	7.0	7.3	7.7	8.2	8.6	9.4	10.1
250	7.7	8.1	8.5	9.0	9.5	10.4	11.2
275	8.4	8.8	9.3	9.9	10.4	11.3	12.2
300	9.1	9.5	10.1	10.7	11.3	12.3	13.3
325	9.8	10.3	10.8	11.5	12.2	13.2	14.3
350	10.5	11.0	11.6	12.3	13.0	14.1	15.3
375	11.1	11.7	12.3	13.1	13.9	15.1	16.3
400	11.8	12.4	13.0	13.8	14.7	16.0	17.3
425	12.4	13.1	13.7	14.6	15.5	16.9	18.3
450	13.1	13.7	14.5	15.4	16.4	17.7	19.2
475	13.7	14.4	15.2	16.1	17.2	18.6	20.2
500	14.4	15.1	15.9	16.9	18.0	19.5	21.1
525	15.0	15.7	16.5	17.6	18.8	20.4	22.1
550	15.6	16.4	17.2	18.3	19.6	21.2	23.0
575	16.2	17.0	17.9	19.1	20.4	22.1	23.9
600	16.8	17.6	18.6	19.8	21.1	22.9	24.9
625	17.4	18.2	19.2	20.5	21.9	23.7	25.8
650	18.0	18.9	19.9	21.2	22.7	24.6	26.7
675	18.6	19.5	20.5	21.9	23.4	25.4	27.6
700	19.2	20.1	21.2	22.6	24.2	26.2	28.4
725	19.8	20.7	21.8	23.3	24.9	27.0	29.3
750	20.4	21.3	22.4	23.9	25.7	27.8	30.2
775	20.9	21.9	23.0	24.6	26.4	28.6	31.1
800	21.5	22.5	23.7	25.3	27.1	29.3	31.9



STATIC RADIAL DEFLECTION – 320/710-18x13.0J @ CA 3.0° WHB

