



TYRE DATA BOOKLET

325/705-18 DHF
325/705-18 WHA
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 DIMENSIONS

Slick Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
325/705-18 DHF 18"x13.0J	11.7	351	2216	312

Wet Tyres				
Size & Fitment	Nominal Weight	Max Width (C)	Circumference (πD)	Tread Width (Cb)
	(kilograms)	(mm)	(mm)	(mm)
325/705-18 WHA 18"x13.0J	14.3	356	2227	315



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

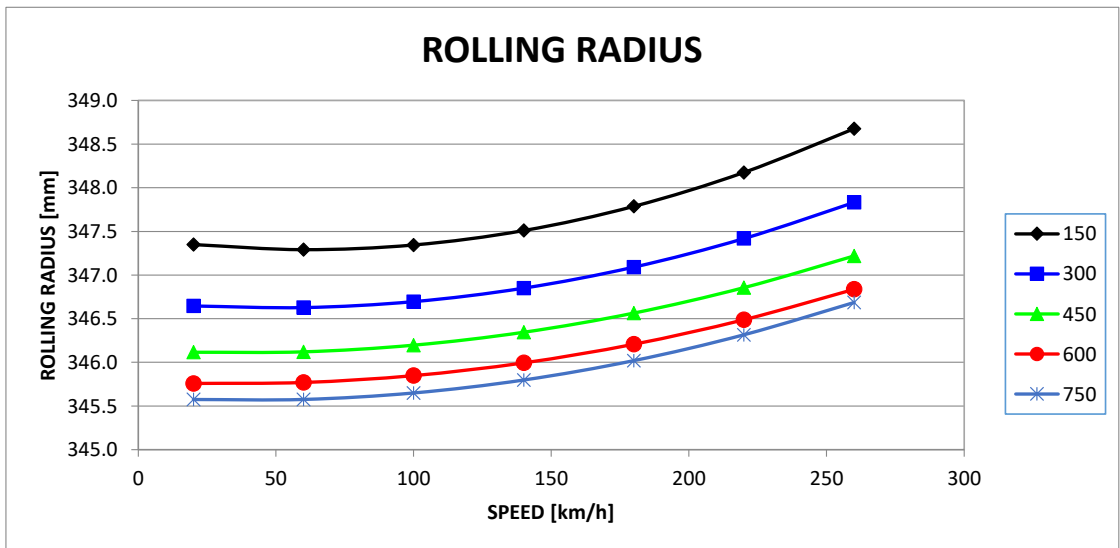
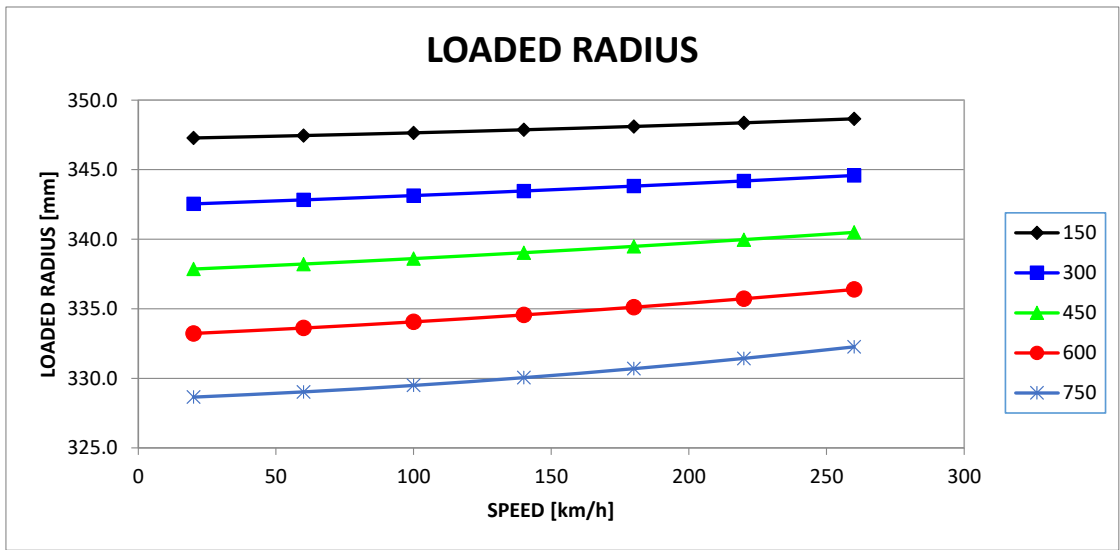
325/705-18x13.0J DHF

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	347.3	342.5	337.9	333.2	328.6
60	347.5	342.8	338.2	333.6	329.0
100	347.6	343.1	338.6	334.1	329.5
140	347.9	343.5	339.0	334.6	330.0
180	348.1	343.8	339.5	335.1	330.7
220	348.4	344.2	340.0	335.7	331.4
260	348.7	344.6	340.5	336.4	332.3

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	347.3	346.6	346.1	345.8	345.6
60	347.3	346.6	346.1	345.8	345.6
100	347.3	346.7	346.2	345.8	345.6
140	347.5	346.9	346.3	346.0	345.8
180	347.8	347.1	346.6	346.2	346.0
220	348.2	347.4	346.9	346.5	346.3
260	348.7	347.8	347.2	346.8	346.7





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

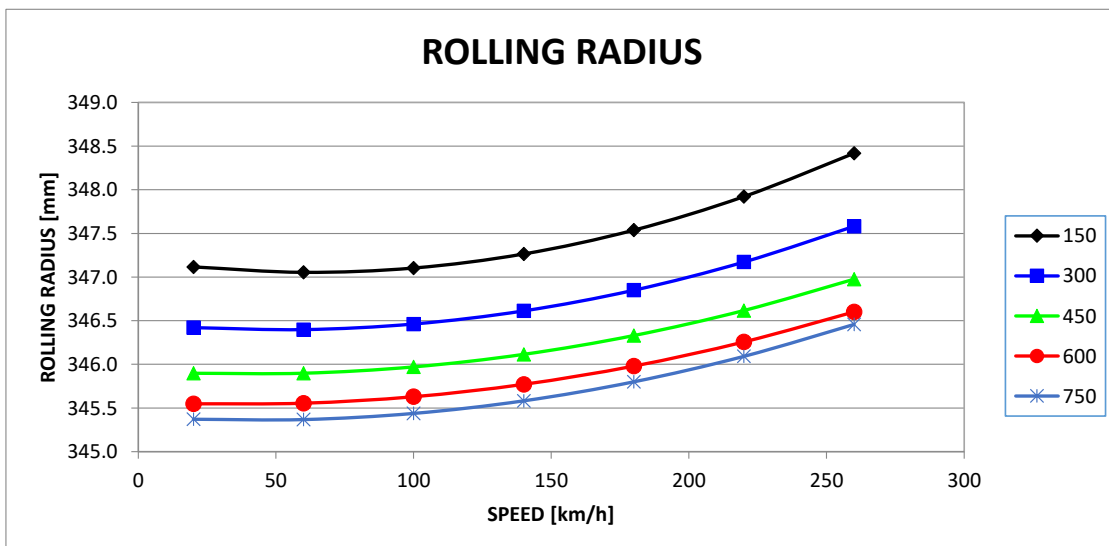
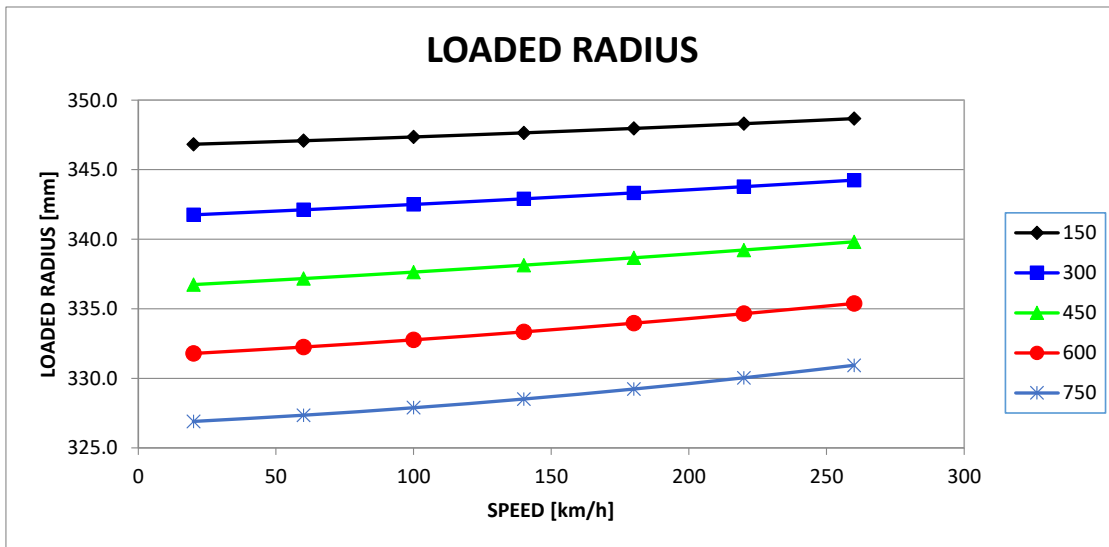
325/705-18x13.0J DHF

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	346.8	341.8	336.7	331.8	326.9
60	347.1	342.1	337.2	332.3	327.3
100	347.4	342.5	337.6	332.8	327.9
140	347.6	342.9	338.1	333.3	328.5
180	348.0	343.3	338.7	334.0	329.2
220	348.3	343.8	339.2	334.6	330.0
260	348.7	344.2	339.8	335.4	330.9

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	150	300	450	600	750
20	347.1	346.4	345.9	345.5	345.4
60	347.1	346.4	345.9	345.6	345.4
100	347.1	346.5	346.0	345.6	345.4
140	347.3	346.6	346.1	345.8	345.6
180	347.5	346.8	346.3	346.0	345.8
220	347.9	347.2	346.6	346.3	346.1
260	348.4	347.6	347.0	346.6	346.5





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

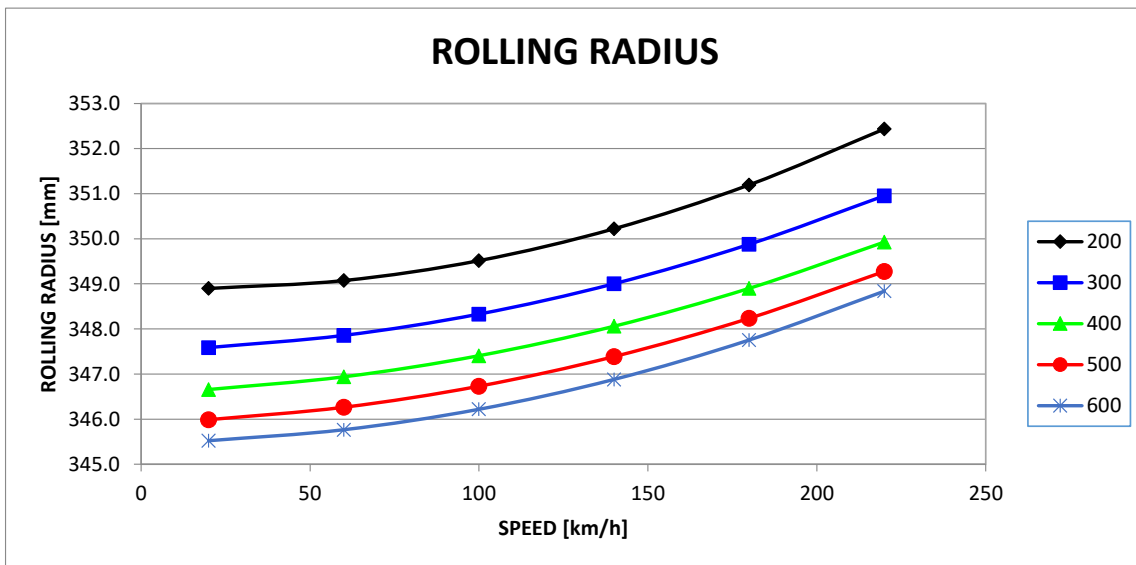
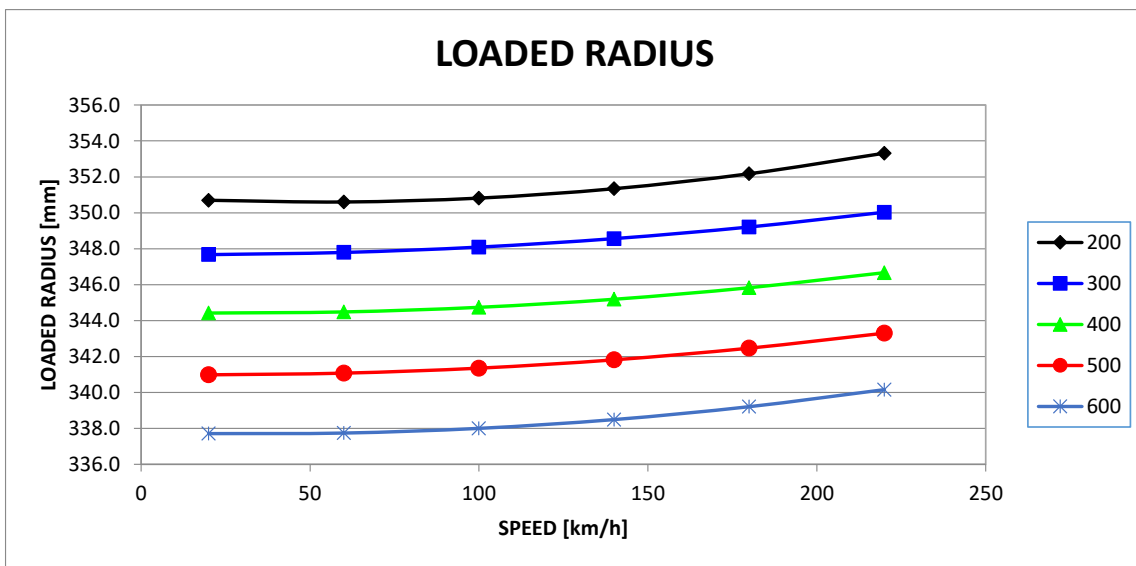
325/705-18x13.0 WHA

LOADED RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	350.7	347.7	344.4	341.0	337.7
	60	350.6	347.8	344.5	341.1	337.7
	100	350.8	348.1	344.7	341.4	338.0
	140	351.3	348.6	345.2	341.8	338.5
	180	352.2	349.2	345.8	342.5	339.2
	220	353.3	350.0	346.7	343.3	340.2

ROLLING RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	348.9	347.6	346.7	346.0	345.5
	60	349.1	347.9	346.9	346.3	345.8
	100	349.5	348.3	347.4	346.7	346.2
	140	350.2	349.0	348.1	347.4	346.9
	180	351.2	349.9	348.9	348.2	347.8
	220	352.4	351.0	349.9	349.3	348.8



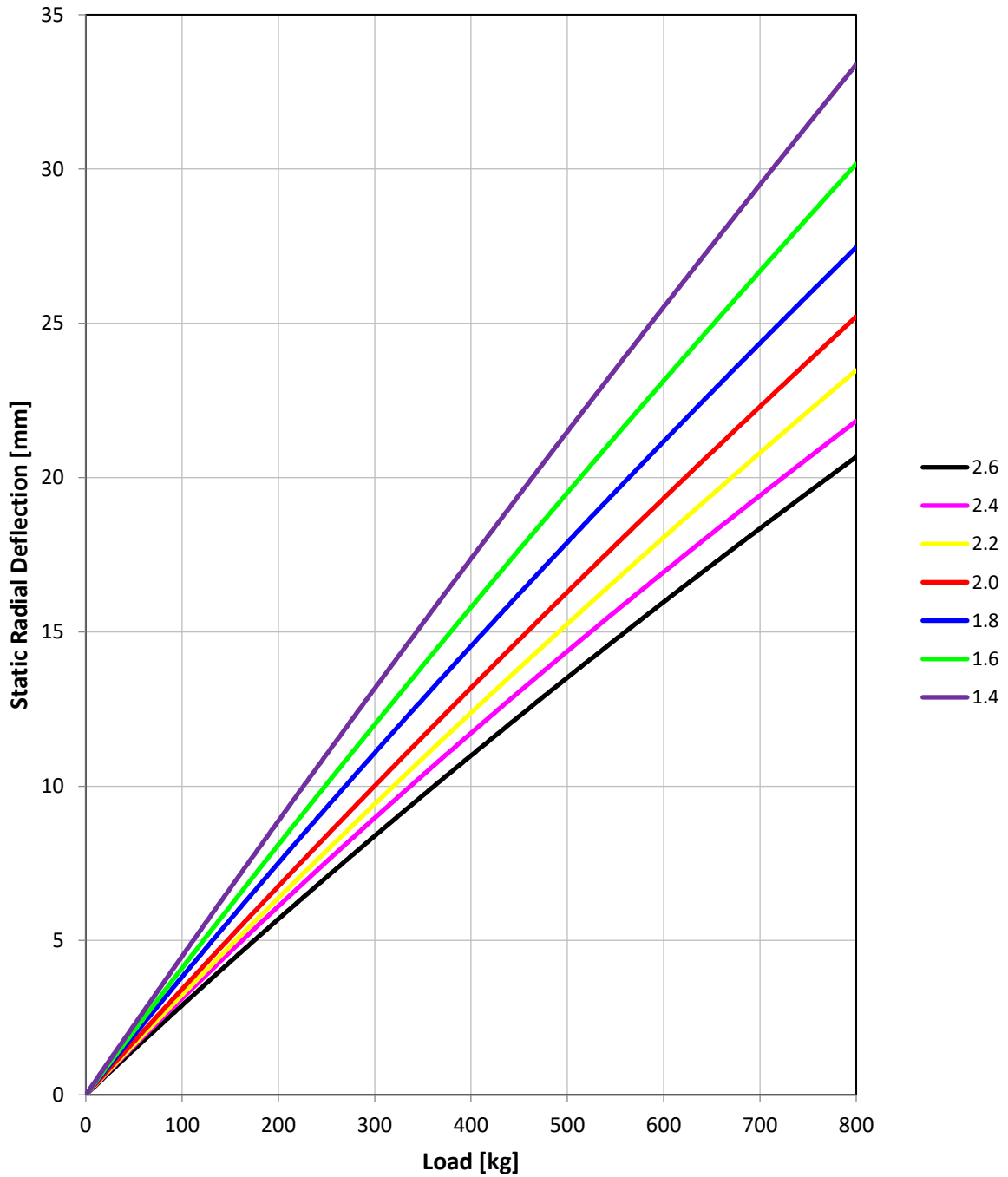


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0 ° DHF

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	0.8	0.8	0.9	1.0	1.0	1.1
50	1.5	1.6	1.6	1.7	1.9	2.1	2.3
75	2.2	2.4	2.4	2.6	2.9	3.1	3.4
100	2.9	3.1	3.2	3.4	3.8	4.1	4.5
125	3.6	3.9	4.0	4.3	4.8	5.1	5.6
150	4.3	4.6	4.8	5.1	5.7	6.1	6.7
175	5.0	5.4	5.6	5.9	6.6	7.1	7.8
200	5.7	6.1	6.4	6.8	7.5	8.1	8.9
225	6.4	6.8	7.1	7.6	8.4	9.1	10.0
250	7.1	7.6	7.9	8.4	9.3	10.1	11.0
275	7.7	8.3	8.7	9.2	10.2	11.0	12.1
300	8.4	9.0	9.4	10.0	11.1	12.0	13.2
325	9.0	9.7	10.2	10.8	12.0	13.0	14.2
350	9.7	10.4	10.9	11.6	12.8	13.9	15.3
375	10.3	11.0	11.6	12.4	13.7	14.9	16.3
400	11.0	11.7	12.4	13.2	14.5	15.8	17.4
425	11.6	12.4	13.1	14.0	15.4	16.7	18.4
450	12.3	13.1	13.8	14.7	16.2	17.7	19.4
475	12.9	13.7	14.5	15.5	17.1	18.6	20.5
500	13.5	14.4	15.3	16.3	17.9	19.5	21.5
525	14.1	15.0	16.0	17.1	18.7	20.4	22.5
550	14.8	15.7	16.7	17.8	19.5	21.3	23.5
575	15.4	16.3	17.4	18.6	20.4	22.2	24.5
600	16.0	16.9	18.1	19.3	21.2	23.1	25.5
625	16.6	17.6	18.8	20.1	22.0	24.0	26.5
650	17.2	18.2	19.4	20.8	22.8	24.9	27.5
675	17.8	18.8	20.1	21.6	23.6	25.8	28.5
700	18.4	19.4	20.8	22.3	24.4	26.7	29.5
725	18.9	20.0	21.5	23.0	25.1	27.6	30.5
750	19.5	20.6	22.1	23.8	25.9	28.4	31.4
775	20.1	21.2	22.8	24.5	26.7	29.3	32.4
800	20.7	21.8	23.5	25.2	27.5	30.2	33.4



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



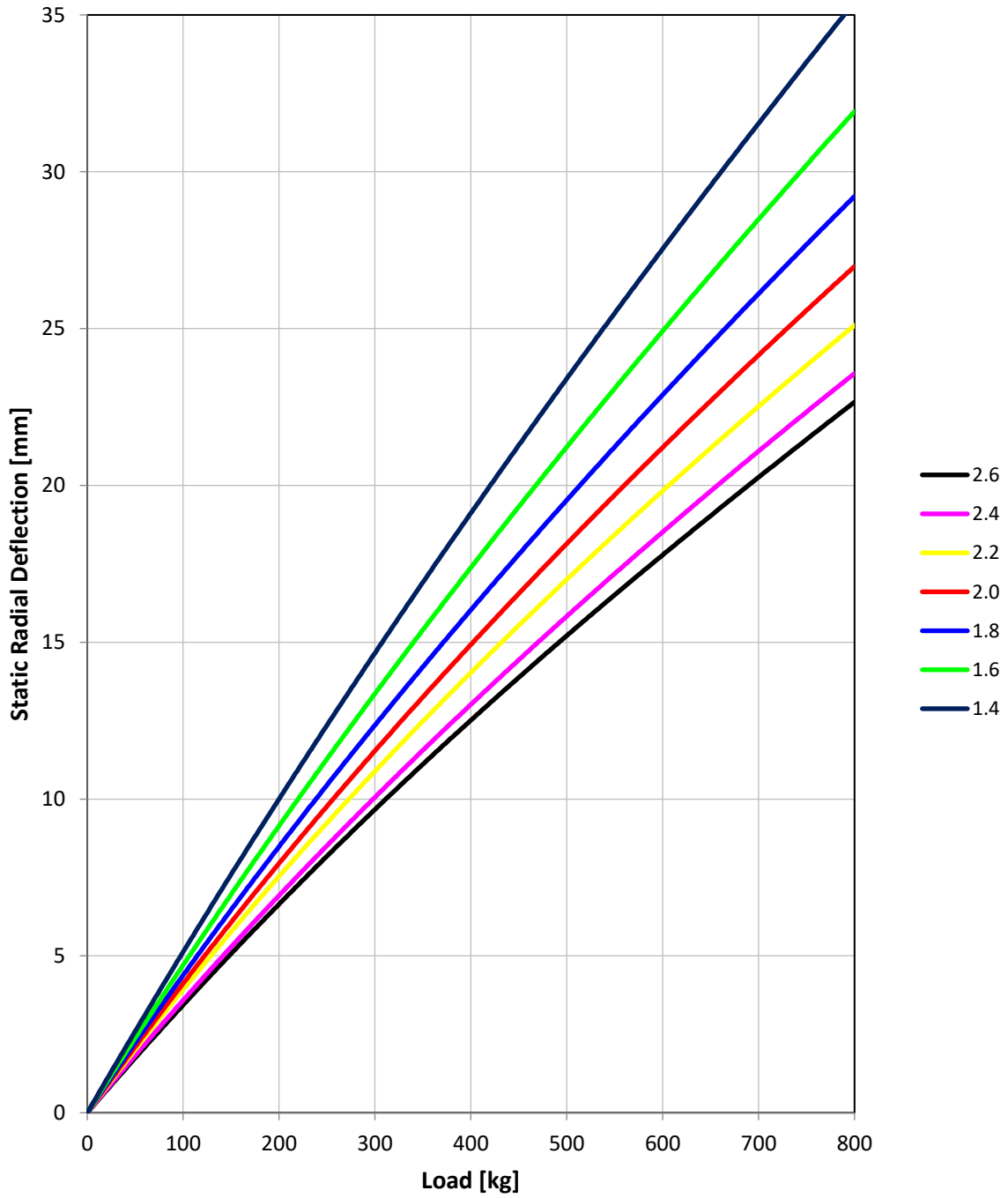


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA -3.0 ° DHF

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	1.8	2.0	2.1	2.2	2.4	2.6
75	2.6	2.7	3.0	3.1	3.3	3.6	3.9
100	3.4	3.6	3.9	4.1	4.4	4.7	5.1
125	4.3	4.4	4.9	5.1	5.4	5.8	6.4
150	5.1	5.3	5.8	6.1	6.5	7.0	7.6
175	5.9	6.1	6.7	7.0	7.5	8.1	8.8
200	6.7	6.9	7.5	8.0	8.5	9.2	10.0
225	7.4	7.7	8.4	8.9	9.5	10.2	11.2
250	8.2	8.5	9.2	9.8	10.5	11.3	12.4
275	8.9	9.3	10.1	10.7	11.4	12.3	13.5
300	9.7	10.1	10.9	11.5	12.4	13.4	14.7
325	10.4	10.8	11.7	12.4	13.3	14.4	15.8
350	11.1	11.6	12.5	13.3	14.2	15.4	16.9
375	11.8	12.3	13.3	14.1	15.1	16.4	18.0
400	12.5	13.0	14.0	14.9	16.0	17.4	19.1
425	13.2	13.7	14.8	15.7	16.9	18.4	20.2
450	13.9	14.4	15.5	16.6	17.8	19.3	21.3
475	14.5	15.1	16.3	17.4	18.7	20.3	22.4
500	15.2	15.8	17.0	18.1	19.5	21.2	23.4
525	15.9	16.5	17.7	18.9	20.4	22.2	24.5
550	16.5	17.2	18.4	19.7	21.2	23.1	25.5
575	17.2	17.9	19.1	20.5	22.1	24.0	26.5
600	17.8	18.5	19.8	21.2	22.9	24.9	27.5
625	18.4	19.2	20.5	22.0	23.7	25.8	28.6
650	19.0	19.8	21.2	22.7	24.5	26.7	29.6
675	19.7	20.5	21.9	23.4	25.3	27.6	30.6
700	20.3	21.1	22.5	24.2	26.1	28.5	31.5
725	20.9	21.7	23.2	24.9	26.9	29.4	32.5
750	21.5	22.3	23.8	25.6	27.7	30.2	33.5
775	22.1	23.0	24.5	26.3	28.5	31.1	34.5
800	22.6	23.6	25.1	27.0	29.2	31.9	35.4



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



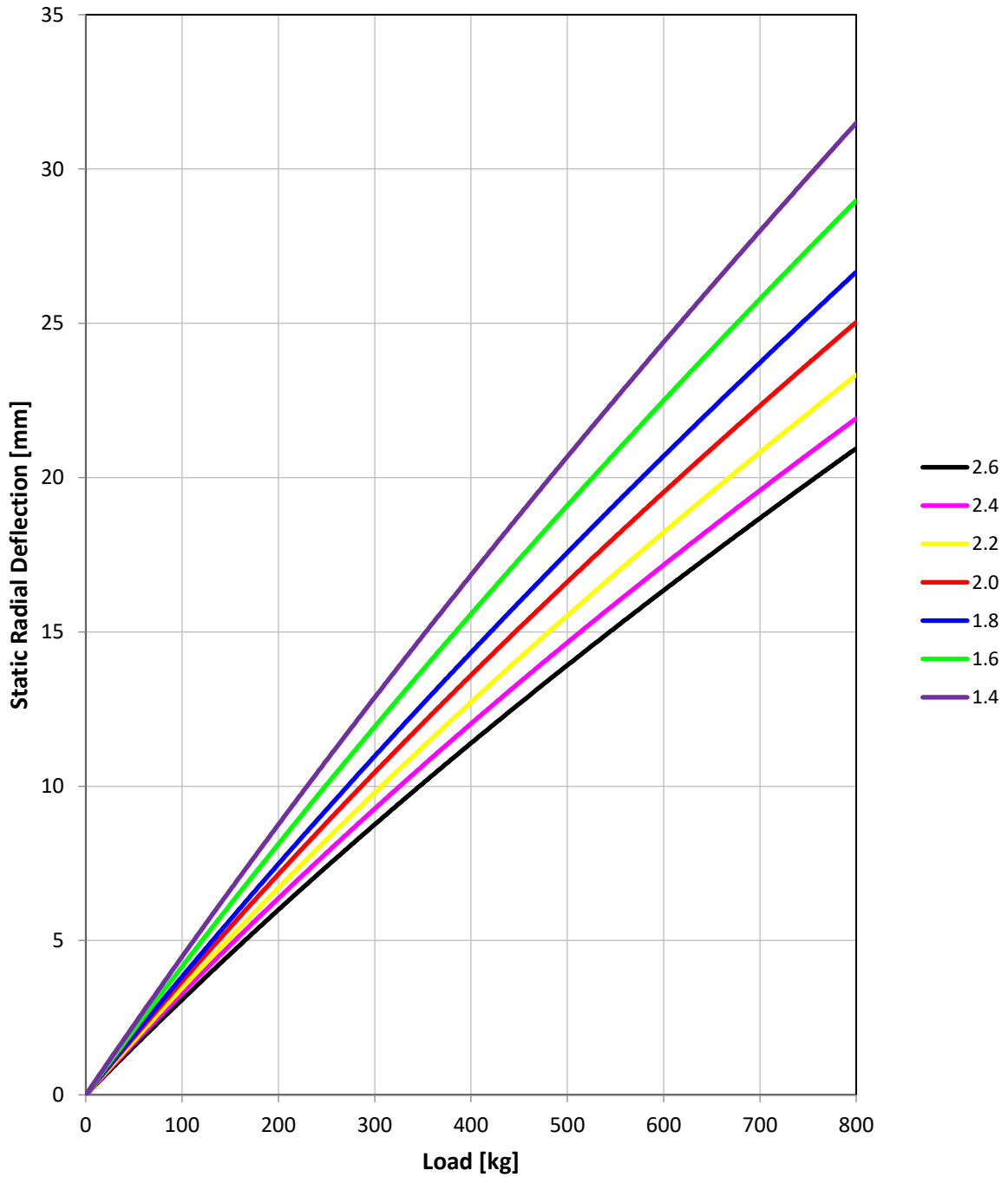


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0 ° WHA

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	1.1	1.1
50	1.6	1.7	1.8	1.9	1.9	2.1	2.3
75	2.3	2.5	2.6	2.8	2.9	3.1	3.4
100	3.1	3.3	3.5	3.7	3.8	4.2	4.5
125	3.8	4.1	4.3	4.6	4.8	5.2	5.6
150	4.6	4.9	5.1	5.4	5.7	6.2	6.6
175	5.3	5.6	5.9	6.3	6.6	7.2	7.7
200	6.0	6.4	6.7	7.1	7.5	8.1	8.8
225	6.7	7.1	7.5	8.0	8.4	9.1	9.8
250	7.4	7.8	8.3	8.8	9.2	10.0	10.8
275	8.1	8.6	9.0	9.6	10.1	11.0	11.9
300	8.8	9.3	9.8	10.4	11.0	11.9	12.9
325	9.4	10.0	10.5	11.2	11.8	12.9	13.9
350	10.1	10.7	11.3	12.0	12.7	13.8	14.9
375	10.7	11.4	12.0	12.8	13.5	14.7	15.9
400	11.4	12.0	12.7	13.6	14.3	15.6	16.8
425	12.0	12.7	13.4	14.4	15.2	16.5	17.8
450	12.7	13.4	14.1	15.1	16.0	17.4	18.8
475	13.3	14.0	14.8	15.9	16.8	18.2	19.7
500	13.9	14.7	15.5	16.6	17.6	19.1	20.7
525	14.5	15.3	16.2	17.4	18.4	20.0	21.6
550	15.1	15.9	16.9	18.1	19.1	20.8	22.5
575	15.7	16.5	17.6	18.8	19.9	21.7	23.5
600	16.3	17.2	18.2	19.5	20.7	22.5	24.4
625	16.9	17.8	18.9	20.2	21.5	23.3	25.3
650	17.5	18.4	19.5	20.9	22.2	24.2	26.2
675	18.1	19.0	20.2	21.6	23.0	25.0	27.1
700	18.7	19.6	20.8	22.3	23.7	25.8	28.0
725	19.3	20.2	21.5	23.0	24.5	26.6	28.9
750	19.8	20.8	22.1	23.7	25.2	27.4	29.8
775	20.4	21.3	22.7	24.4	25.9	28.2	30.6
800	20.9	21.9	23.3	25.0	26.7	29.0	31.5



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





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

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	2.0	2.0	2.1	2.2	2.4	2.6
75	2.7	2.9	3.0	3.2	3.3	3.5	3.8
100	3.6	3.8	4.0	4.1	4.4	4.7	5.0
125	4.4	4.7	4.9	5.1	5.4	5.8	6.2
150	5.2	5.5	5.8	6.1	6.4	6.9	7.4
175	6.0	6.4	6.7	7.0	7.4	7.9	8.5
200	6.8	7.2	7.5	7.9	8.4	9.0	9.7
225	7.5	8.0	8.4	8.8	9.3	10.0	10.8
250	8.3	8.8	9.2	9.7	10.3	11.0	11.9
275	9.0	9.5	10.0	10.5	11.2	12.0	13.0
300	9.8	10.3	10.8	11.4	12.1	13.0	14.0
325	10.5	11.0	11.5	12.2	13.0	13.9	15.1
350	11.2	11.7	12.3	13.0	13.8	14.9	16.1
375	11.9	12.4	13.0	13.8	14.7	15.8	17.2
400	12.6	13.1	13.8	14.6	15.6	16.7	18.2
425	13.2	13.8	14.5	15.3	16.4	17.6	19.2
450	13.9	14.5	15.2	16.1	17.2	18.5	20.2
475	14.5	15.1	15.9	16.9	18.0	19.4	21.1
500	15.2	15.8	16.6	17.6	18.8	20.3	22.1
525	15.8	16.4	17.3	18.3	19.6	21.1	23.1
550	16.4	17.0	17.9	19.0	20.4	22.0	24.0
575	17.1	17.7	18.6	19.7	21.2	22.8	24.9
600	17.7	18.3	19.2	20.4	21.9	23.7	25.9
625	18.3	18.9	19.9	21.1	22.7	24.5	26.8
650	18.9	19.5	20.5	21.8	23.4	25.3	27.7
675	19.5	20.1	21.1	22.5	24.1	26.1	28.6
700	20.0	20.7	21.7	23.2	24.9	26.9	29.5
725	20.6	21.2	22.4	23.8	25.6	27.7	30.3
750	21.2	21.8	23.0	24.5	26.3	28.5	31.2
775	21.7	22.4	23.6	25.1	27.0	29.2	32.1
800	22.3	22.9	24.1	25.8	27.7	30.0	32.9



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

