



TYRE DATA BOOKLET 2017 - Porsche GT3 Cup Trophy

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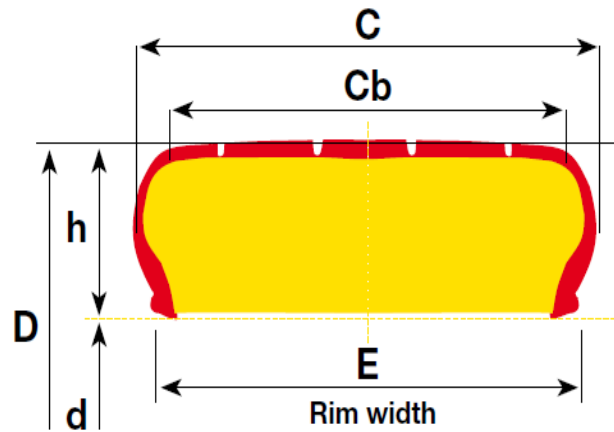


GENERAL INFORMATION

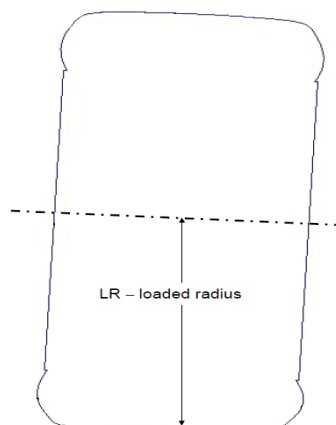
Static measurements

The static measurements within this book are provided for each combination of tyre-rim size. Geometric measurements are taken with the tyre fitted on a rim, inflated to 2.0bar/29.0 Psi

Circumference πD [mm]	<i>length along the middle tread line of the tyre;</i>
Max width C [mm]	<i>maximum width of the tyre;</i>
Tread width C_b [mm]	<i>width of the tread.</i>



A full characterisation of deflection vs. vertical load at different pressures is given; measurements are taken at two different camber levels (0° and -3.0°) for slick tyres.





GENERAL INFORMATION

Dynamic measurements

Tyre dynamic characterisation describes changes in dimensions due to speed and vertical load. All measurements are made without any applied camber (0°) with the tyre inflated to 2.0bar/ 29.0 Psi

Loaded radius L.R. [mm]	<i>distance between the wheel center and the ground;</i>
Rolling radius R.R. [mm]	<i>the length travelled by the tyre for each wheel's revolution divided by 2π.</i>

Operating instructions

Before each run

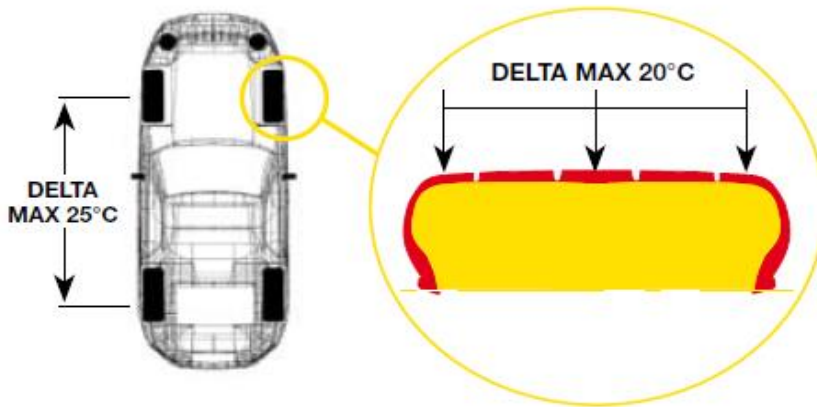
Pressures

The tyre pressure must always be over the declared minimum running pressure defined within this book.

After each run

Temperatures

- *the offset in measured garage bulk temperature between the inside and outside of the tyre should not exceed 20°C for optimum tyre performance*
- *the offset in measured garage bulk temperatures between front and rear axle should not exceed 25°C for optimum tyre performance*



Pressures

- *the measured garage pressure should be as close as possible to the hot target value stated within this book*
- *Dry air is recommended to inflate tyres to avoid sudden changes in pressure due to humidity.*
- **all pressure limitations (cold and hot) stated in this book will be monitored during each event, and modified if deemed necessary.**





CHAMPIONSHIP FITMENT LIST

Car	Front Fitment	Front tyre Size	Rear Fitment	Rear tyre Size
Porsche GT3 Cup 997.2	9.5x18"	275/645-18	11.5x18"	315/680-18
Porsche GT3 Cup 991.1	10.5x18"	285/645-18	12x18"	325/705-18
Porsche Cayman GT4 Clubsport & MR	9x18"	265/645-18	10.5x18"	305/680-18



Porsche 911 GT3 Cup 997.2

SLICK		RIM WIDTH	TIRE SIZE	P. TARGET (PSI)	P. MIN (PSI)	CAMBER MAX
	FRONT	18x9.5"	275/645-18	29	<u>21</u>	-4.50
	REAR	18x11.5"	315/680-18	30	<u>21</u>	-4.00
RAIN						
	FRONT	18x9.5"	275/645-18	32	<u>26</u>	-4.30
	REAR	18x11.5"	315/680-18	32	<u>26</u>	-3.80

P. TARGET :

Target optimum hot pressure value for the tire. The pressure should be measured immediately after the use of the tire on the track. Never set the pressure at lower values than recommended. Dry air or nitrogen is recommended to inflate tires to avoid excessive pressure build up.

P. MIN :

Minimum cold starting pressure for the tire. The minimum pressure needs to be checked before the car is run on the track. Never use the tire below the minimum pressure otherwise you will compromise the integrity of the tire.

Pressure below the minimum value will cause excessive deflection of the sidewall, risk of air loss between the bead and rim, and risk of bead unseating.

During the first lap out from the pit and the warm up lap we strongly recommend to avoid curbs or any other kind of hard impact to prevent air loss. Corner speeds should be reduced while the tire is below target hot inflation pressure as damage may occur due to overloading.

P. COLD :

This value needs to be determined with respect of the P. MIN value so you can achieve the P TARGET during the use of the tyre on the track. This value needs to be checked and adjusted to the calculated value at the same time every day until the end of the event.

CAMBER :

This is the maximum negative camber suggested.

This value is supplied by the tire manufacturer and is calculated based on the track characteristic.

TREAD PATTERN TEMPERATURE :



SLICK tires – optimum tread temperature is between 160°F and 220°F. The temperature should never be higher than 250°F.

The temperature difference between the inside shoulder and outside shoulder of the tires should not be greater than 40°F.

Pirelli strongly recommends the use of metal valves and caps.



Porsche 911 GT3 Cup 991.1

SLICK		RIM WIDTH	TIRE SIZE	P. TARGET (PSI)	P. MIN (PSI)	CAMBER MAX
	FRONT	18x10.5"	285/645-18	29	<u>21</u>	-4.50
	REAR	18x12.0"	325/705-18	30	<u>21</u>	-4.00
RAIN						
	FRONT	18x10.5"	285/645-18	32	<u>26</u>	-4.30
	REAR	18x12.0"	325/705-18	32	<u>26</u>	-3.80

P. TARGET :

Target optimum hot pressure value for the tire. The pressure should be measured immediately after the use of the tire on the track. Never set the pressure at lower values than recommended. Dry air or nitrogen is recommended to inflate tires to avoid excessive pressure build up.

P. MIN :

Minimum cold starting pressure for the tire. The minimum pressure needs to be checked before the car is run on the track. Never use the tire below the minimum pressure otherwise you will compromise the integrity of the tire.

Pressure below the minimum value will cause excessive deflection of the sidewall, risk of air loss between the bead and rim, and risk of bead unseating.

During the first lap out from the pit and the warm up lap we strongly recommend to avoid curbs or any other kind of hard impact to prevent air loss. Corner speeds should be reduced while the tire is below target hot inflation pressure as damage may occur due to overloading.

P. COLD :

This value needs to be determined with respect of the P. MIN value so you can achieve the P TARGET during the use of the tyre on the track. This value needs to be checked and adjusted to the calculated value at the same time every day until the end of the event.

CAMBER :

This is the maximum negative camber suggested.
This value is supplied by the tire manufacturer and is calculated based on the track characteristic.



TREAD PATTERN TEMPERATURE :

SLICK tires – optimum tread temperature is between 160°F and 220°F. The temperature should never be higher than 250°F. The temperature difference between the inside shoulder and outside shoulder of the tires should not be greater than 40°F.

Pirelli strongly recommends the use of metal valves and caps.



Porsche Cayman GT4 Clubsport & MR

SLICK		RIM WIDTH	TIRE SIZE	P. TARGET (PSI)	P. MIN (PSI)	CAMBER MAX
	FRONT	18x9"	265/645-18 DH	30	<u>23</u>	-4.50
	REAR	18x10.5"	305/680-18 DH	30	<u>23</u>	-4.00
RAIN						
	FRONT	18x9"	265/645-18 WH	32	<u>26</u>	-4.30
	REAR	18x10.5"	305/680-18 WH	32	<u>26</u>	-3.80

P. TARGET :

Target optimum hot pressure value for the tire. The pressure should be measured immediately after the use of the tire on the track. Never set the pressure at lower values than recommended. Dry air or nitrogen is recommended to inflate tires to avoid excessive pressure build up.

P. MIN :

Minimum cold starting pressure for the tire. The minimum pressure needs to be checked before the car is run on the track. Never use the tire below the minimum pressure otherwise you will compromise the integrity of the tire.

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During the first lap out from the pit and the warm up lap we strongly recommend to avoid curbs or any other kind of hard impact to prevent air loss. Corner speeds should be reduced while the tire is below target hot inflation pressure as damage may occur due to overloading.

P. COLD :

This value needs to be determined with respect of the P. MIN value so you can achieve the P TARGET during the use of the tyre on the track. This value needs to be checked and adjusted to the calculated value at the same time every day until the end of the event.

CAMBER :

This is the maximum negative camber suggested.

This value is supplied by the tire manufacturer and is calculated based on the track characteristic.

TREAD PATTERN TEMPERATURE :

SLICK tires – optimum tread temperature is between 160°F and 220°F. The temperature should never be higher than 250°F.

The temperature difference between the inside shoulder and outside shoulder of the tires should not be greater than 40°F.

Pirelli strongly recommends the use of metal valves and caps.



STATIC MEASUREMENTS

Slick Tyres				
Size & Fitment	Nominal Weight (kilograms)	Max Width (C) (mm)	Circumference (πD) (mm)	Tread Width (Cb) (mm)
265/645-18 18" x 9.5J	10.3	266	2045	260
275/645-18 18" x 10J	9.8	282	2040	280
285/645-18 18" x 11J	10.7	300	2037	280
305/680-18 18" x 11J	11.8	305	2148	280
315/680-18 18" x 12J	11.0	328	2158	295
325/705-18 18" x 13J	10.5	355	2218	315



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

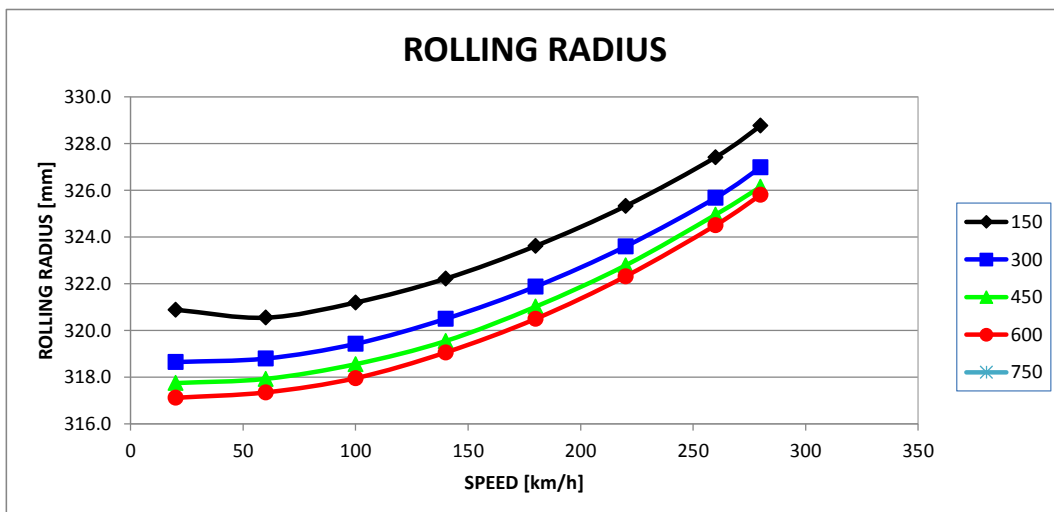
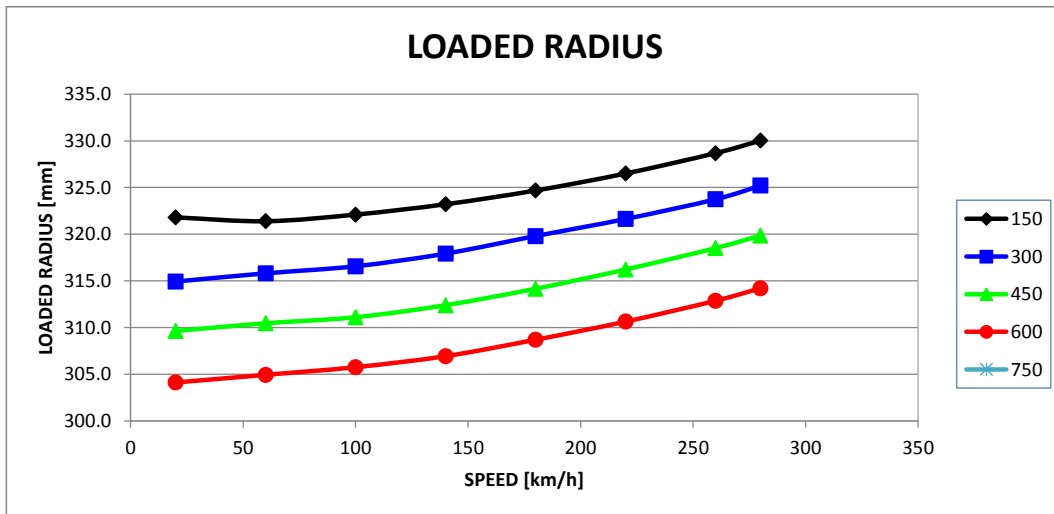
265/645-18x9.5J DH

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	321.8	314.9	309.6	304.1	
	60	321.4	315.8	310.5	304.9	
	100	322.1	316.6	311.1	305.8	
	140	323.2	317.9	312.4	306.9	
	180	324.7	319.8	314.2	308.7	
	220	326.5	321.6	316.2	310.6	
	260	328.7	323.7	318.5	312.9	
	280	330.0	325.2	319.9	314.2	
	300					

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	320.9	318.6	317.8	317.1	
	60	320.5	318.8	317.9	317.4	
	100	321.2	319.4	318.6	318.0	
	140	322.2	320.5	319.5	319.1	
	180	323.6	321.9	321.0	320.5	
	220	325.3	323.6	322.8	322.3	
	260	327.4	325.7	325.0	324.5	
	280	328.8	327.0	326.1	325.8	
	300					



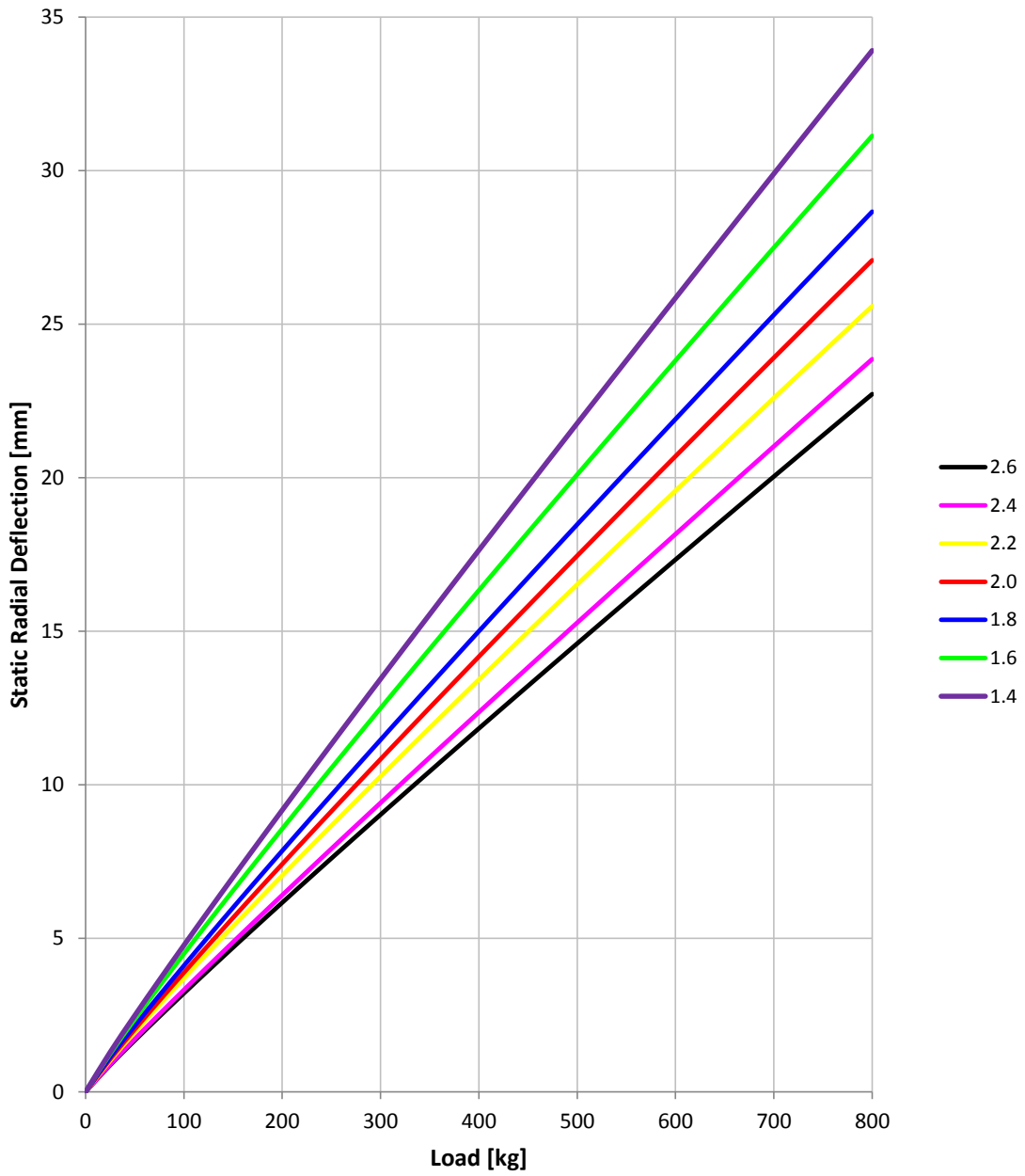


STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA 0.0 ° DH

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	1.7	1.7	1.9	2.0	2.1	2.4	2.5
75	2.4	2.5	2.8	3.0	3.1	3.4	3.6
100	3.2	3.3	3.7	3.9	4.1	4.5	4.8
125	4.0	4.1	4.5	4.8	5.1	5.5	5.9
150	4.7	4.9	5.4	5.7	6.0	6.6	7.0
175	5.4	5.6	6.2	6.5	6.9	7.6	8.1
200	6.2	6.4	7.0	7.4	7.8	8.6	9.2
225	6.9	7.2	7.9	8.3	8.8	9.6	10.2
250	7.6	7.9	8.7	9.1	9.7	10.5	11.3
275	8.3	8.7	9.5	10.0	10.6	11.5	12.4
300	9.0	9.4	10.3	10.8	11.5	12.5	13.4
325	9.7	10.2	11.1	11.7	12.4	13.5	14.5
350	10.4	10.9	11.9	12.5	13.2	14.4	15.5
375	11.1	11.6	12.6	13.3	14.1	15.4	16.6
400	11.8	12.4	13.4	14.2	15.0	16.3	17.6
425	12.5	13.1	14.2	15.0	15.9	17.3	18.7
450	13.2	13.8	15.0	15.8	16.7	18.2	19.7
475	13.9	14.5	15.7	16.6	17.6	19.2	20.7
500	14.6	15.3	16.5	17.5	18.5	20.1	21.8
525	15.3	16.0	17.3	18.3	19.3	21.0	22.8
550	16.0	16.7	18.1	19.1	20.2	22.0	23.8
575	16.6	17.4	18.8	19.9	21.1	22.9	24.8
600	17.3	18.2	19.6	20.7	21.9	23.8	25.8
625	18.0	18.9	20.3	21.5	22.8	24.7	26.9
650	18.7	19.6	21.1	22.3	23.6	25.7	27.9
675	19.4	20.3	21.8	23.1	24.5	26.6	28.9
700	20.0	21.0	22.6	23.9	25.3	27.5	29.9
725	20.7	21.7	23.3	24.7	26.1	28.4	30.9
750	21.4	22.4	24.1	25.5	27.0	29.3	31.9
775	22.0	23.1	24.8	26.3	27.8	30.2	32.9
800	22.7	23.9	25.6	27.1	28.7	31.1	33.9



STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA 0.0° DH



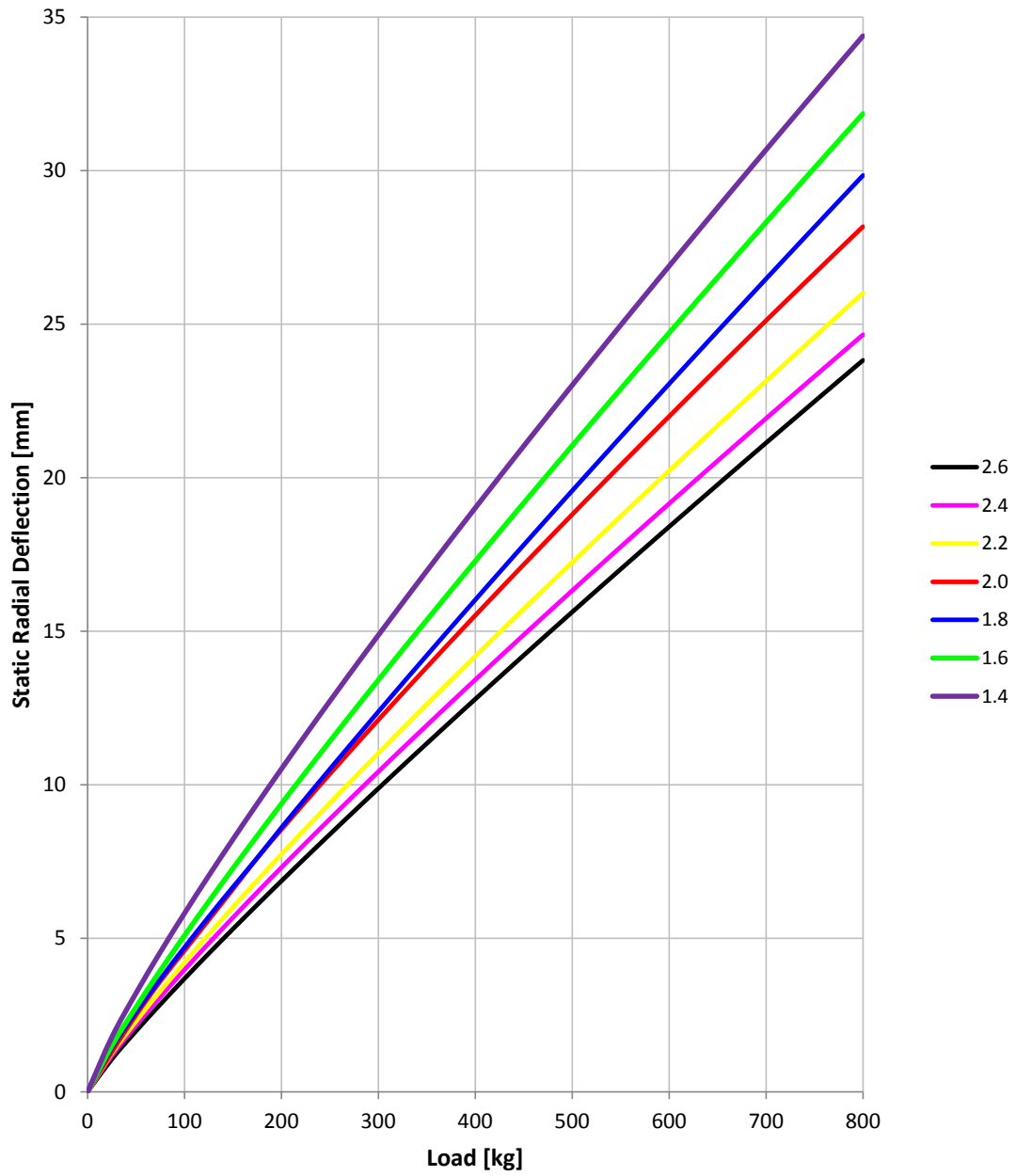


STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA -3.0 ° DH

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	1.1	1.2	1.3	1.3	1.4	1.5	1.8
50	2.0	2.2	2.3	2.5	2.6	2.8	3.2
75	2.8	3.1	3.3	3.6	3.7	3.9	4.5
100	3.7	4.0	4.2	4.6	4.7	5.1	5.8
125	4.5	4.8	5.1	5.6	5.7	6.2	7.0
150	5.3	5.7	6.0	6.6	6.7	7.3	8.2
175	6.1	6.5	6.9	7.6	7.6	8.3	9.4
200	6.9	7.3	7.7	8.5	8.6	9.4	10.5
225	7.6	8.1	8.6	9.5	9.6	10.4	11.6
250	8.4	8.9	9.4	10.4	10.5	11.4	12.7
275	9.1	9.7	10.2	11.2	11.4	12.4	13.8
300	9.9	10.4	11.0	12.1	12.4	13.4	14.9
325	10.6	11.2	11.8	13.0	13.3	14.4	15.9
350	11.3	11.9	12.6	13.8	14.2	15.4	17.0
375	12.1	12.7	13.4	14.7	15.1	16.3	18.0
400	12.8	13.4	14.2	15.5	16.0	17.3	19.0
425	13.5	14.2	15.0	16.3	16.9	18.2	20.0
450	14.2	14.9	15.7	17.2	17.8	19.2	21.0
475	14.9	15.6	16.5	18.0	18.7	20.1	22.0
500	15.6	16.3	17.2	18.8	19.6	21.0	23.0
525	16.3	17.0	18.0	19.6	20.4	22.0	24.0
550	17.0	17.7	18.7	20.4	21.3	22.9	25.0
575	17.7	18.4	19.5	21.2	22.2	23.8	25.9
600	18.4	19.2	20.2	22.0	23.1	24.7	26.9
625	19.1	19.9	21.0	22.8	23.9	25.6	27.8
650	19.8	20.5	21.7	23.6	24.8	26.5	28.8
675	20.5	21.2	22.4	24.3	25.6	27.4	29.7
700	21.1	21.9	23.1	25.1	26.5	28.3	30.7
725	21.8	22.6	23.9	25.9	27.3	29.2	31.6
750	22.5	23.3	24.6	26.6	28.2	30.1	32.5
775	23.1	24.0	25.3	27.4	29.0	31.0	33.5
800	23.8	24.7	26.0	28.2	29.8	31.8	34.4



STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA -3.0° DH





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

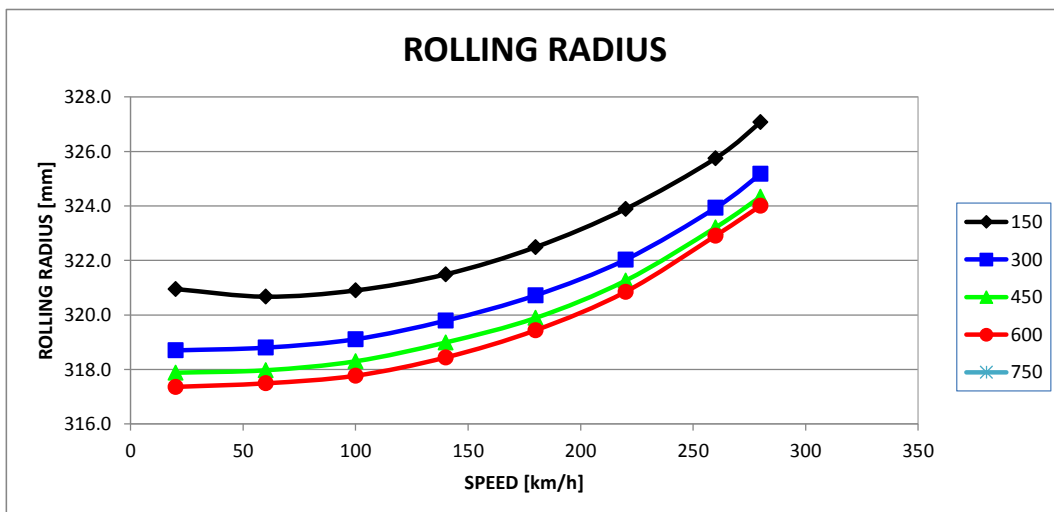
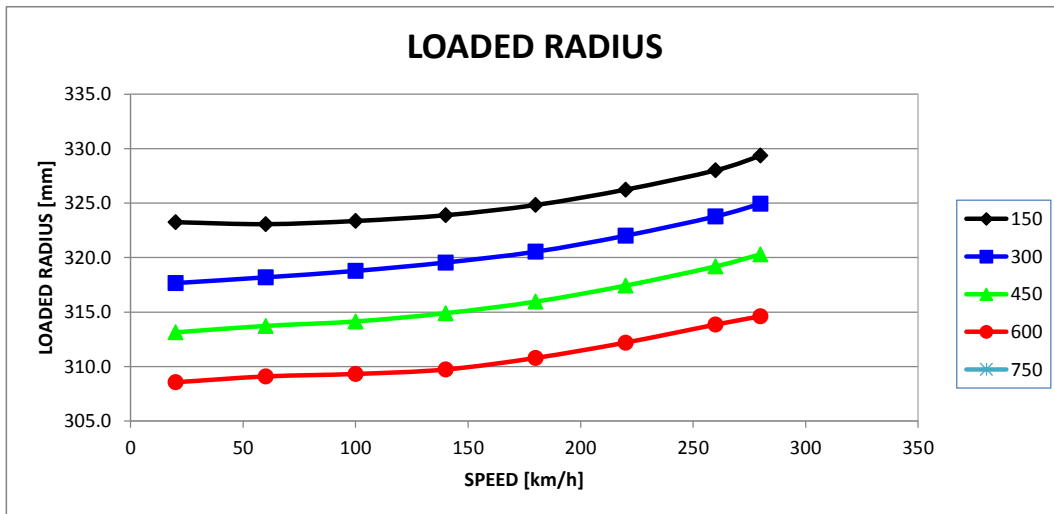
275/645-18x10.0J DH

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	323.2	317.7	313.1	308.6	
	60	323.1	318.2	313.7	309.1	
	100	323.4	318.8	314.1	309.3	
	140	323.9	319.5	314.9	309.7	
	180	324.8	320.5	316.0	310.8	
	220	326.2	322.0	317.4	312.2	
	260	328.0	323.8	319.2	313.8	
	280	329.4	324.9	320.3	314.6	
	300					

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	321.0	318.7	317.9	317.4	
	60	320.7	318.8	318.0	317.5	
	100	320.9	319.1	318.3	317.8	
	140	321.5	319.8	319.0	318.4	
	180	322.5	320.7	319.9	319.4	
	220	323.9	322.0	321.3	320.9	
	260	325.8	323.9	323.2	322.9	
	280	327.1	325.2	324.3	324.0	
	300					



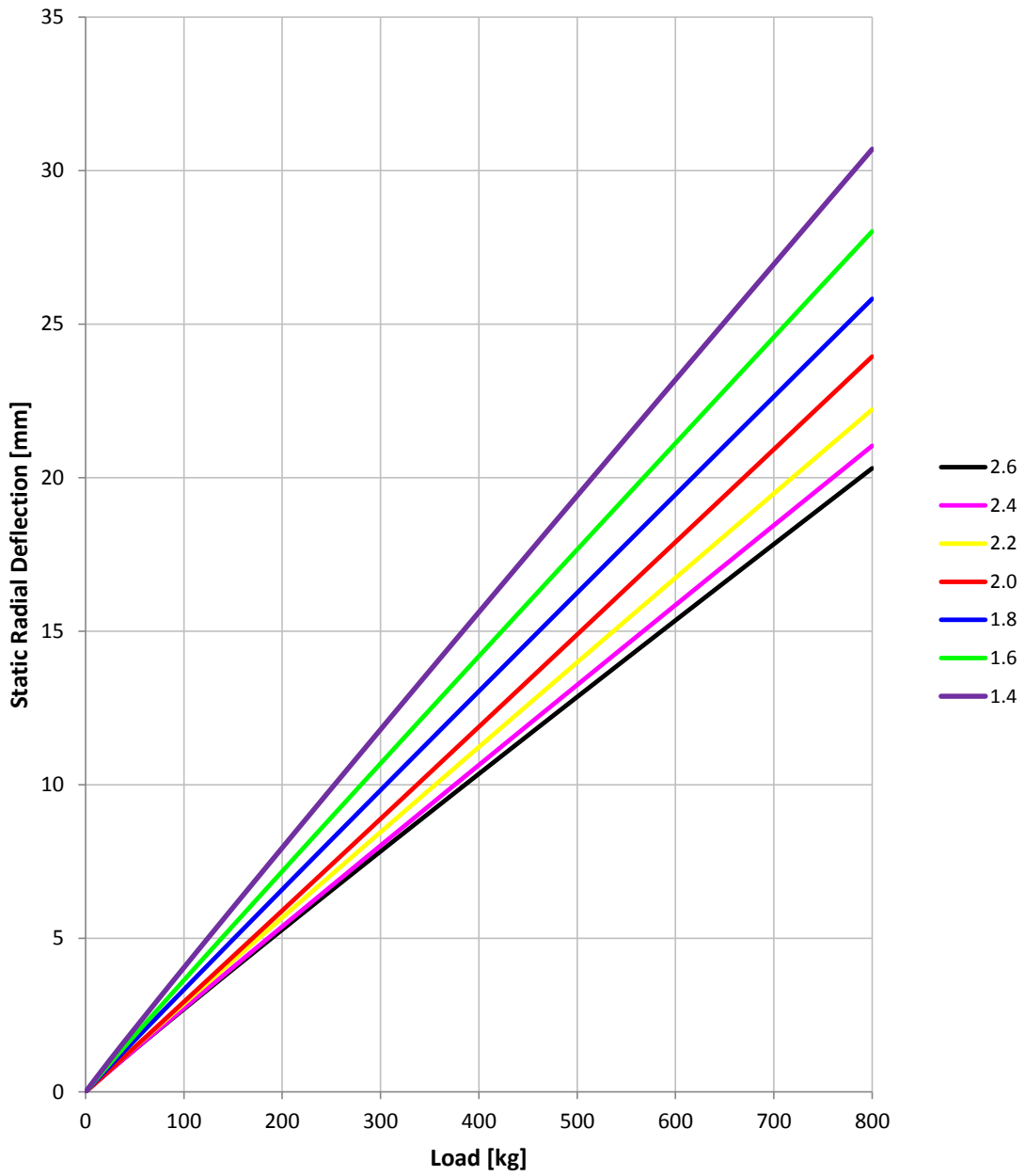


STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA 0.0° DH

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	0.7	0.8	0.9	1.0
50	1.4	1.4	1.4	1.5	1.7	1.8	2.1
75	2.0	2.1	2.2	2.2	2.5	2.7	3.1
100	2.7	2.7	2.9	2.9	3.3	3.6	4.0
125	3.3	3.4	3.6	3.7	4.1	4.5	5.0
150	4.0	4.1	4.3	4.4	5.0	5.4	6.0
175	4.6	4.7	5.0	5.2	5.8	6.3	7.0
200	5.3	5.4	5.7	5.9	6.6	7.2	7.9
225	5.9	6.0	6.4	6.6	7.4	8.1	8.9
250	6.6	6.7	7.1	7.4	8.2	8.9	9.9
275	7.2	7.4	7.8	8.1	9.0	9.8	10.8
300	7.8	8.0	8.5	8.9	9.8	10.7	11.8
325	8.5	8.7	9.1	9.6	10.6	11.6	12.8
350	9.1	9.3	9.8	10.4	11.4	12.4	13.7
375	9.7	10.0	10.5	11.1	12.2	13.3	14.7
400	10.4	10.6	11.2	11.9	13.0	14.2	15.6
425	11.0	11.3	11.9	12.6	13.8	15.1	16.6
450	11.6	11.9	12.6	13.4	14.6	15.9	17.5
475	12.2	12.6	13.3	14.1	15.4	16.8	18.5
500	12.9	13.2	14.0	14.9	16.2	17.7	19.4
525	13.5	13.9	14.7	15.6	17.0	18.5	20.4
550	14.1	14.6	15.4	16.4	17.8	19.4	21.3
575	14.7	15.2	16.0	17.1	18.6	20.3	22.2
600	15.4	15.9	16.7	17.9	19.4	21.1	23.2
625	16.0	16.5	17.4	18.7	20.2	22.0	24.1
650	16.6	17.1	18.1	19.4	21.0	22.8	25.1
675	17.2	17.8	18.8	20.2	21.8	23.7	26.0
700	17.8	18.4	19.5	20.9	22.6	24.6	26.9
725	18.5	19.1	20.2	21.7	23.4	25.4	27.9
750	19.1	19.7	20.8	22.4	24.2	26.3	28.8
775	19.7	20.4	21.5	23.2	25.0	27.2	29.8
800	20.3	21.0	22.2	23.9	25.8	28.0	30.7



STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA 0.0° DH



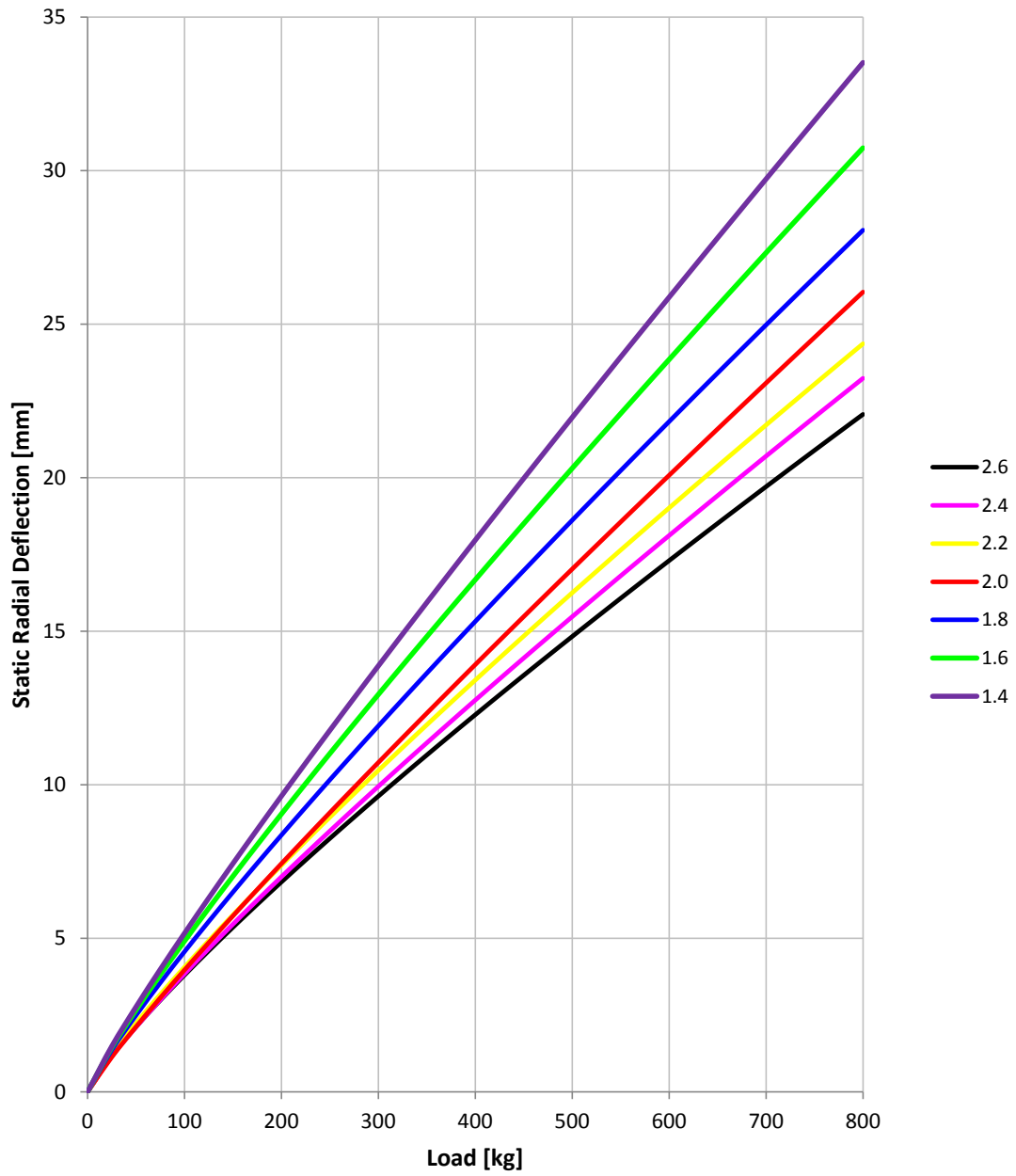


STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA -3.0 ° DH

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	1.2	1.2	1.2	1.1	1.4	1.4	1.5
50	2.1	2.1	2.2	2.1	2.5	2.7	2.8
75	3.0	3.0	3.2	3.1	3.6	3.8	4.0
100	3.8	3.8	4.1	4.0	4.6	4.9	5.2
125	4.6	4.7	4.9	4.9	5.5	6.0	6.3
150	5.4	5.5	5.8	5.7	6.5	7.0	7.4
175	6.1	6.2	6.6	6.6	7.4	8.0	8.5
200	6.8	7.0	7.4	7.4	8.4	9.0	9.6
225	7.5	7.8	8.2	8.3	9.3	10.0	10.7
250	8.3	8.5	8.9	9.1	10.2	11.0	11.8
275	8.9	9.2	9.7	9.9	11.0	12.0	12.8
300	9.6	9.9	10.5	10.7	11.9	12.9	13.9
325	10.3	10.7	11.2	11.5	12.8	13.9	14.9
350	11.0	11.4	11.9	12.3	13.6	14.8	15.9
375	11.6	12.1	12.7	13.1	14.5	15.8	17.0
400	12.3	12.8	13.4	13.9	15.3	16.7	18.0
425	12.9	13.4	14.1	14.7	16.1	17.6	19.0
450	13.6	14.1	14.8	15.5	17.0	18.5	20.0
475	14.2	14.8	15.5	16.2	17.8	19.4	21.0
500	14.8	15.5	16.2	17.0	18.6	20.3	22.0
525	15.4	16.1	16.9	17.8	19.4	21.2	22.9
550	16.1	16.8	17.6	18.6	20.2	22.1	23.9
575	16.7	17.5	18.3	19.3	21.0	23.0	24.9
600	17.3	18.1	19.0	20.1	21.8	23.8	25.9
625	17.9	18.8	19.7	20.8	22.6	24.7	26.8
650	18.5	19.4	20.4	21.6	23.4	25.6	27.8
675	19.1	20.1	21.0	22.3	24.2	26.5	28.8
700	19.7	20.7	21.7	23.1	25.0	27.3	29.7
725	20.3	21.3	22.4	23.8	25.7	28.2	30.7
750	20.9	22.0	23.0	24.6	26.5	29.0	31.6
775	21.5	22.6	23.7	25.3	27.3	29.9	32.6
800	22.1	23.2	24.4	26.0	28.1	30.7	33.5



STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA -3.0° DH





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

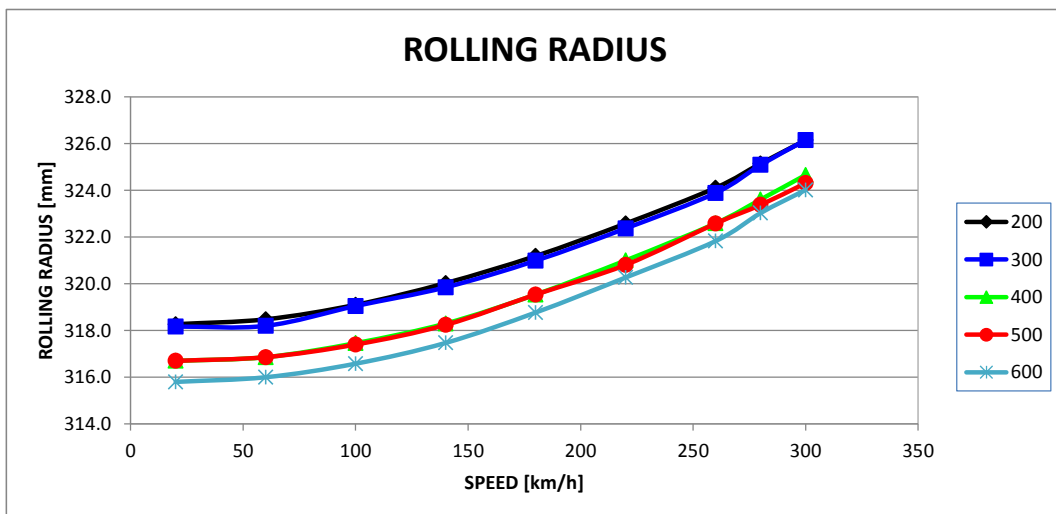
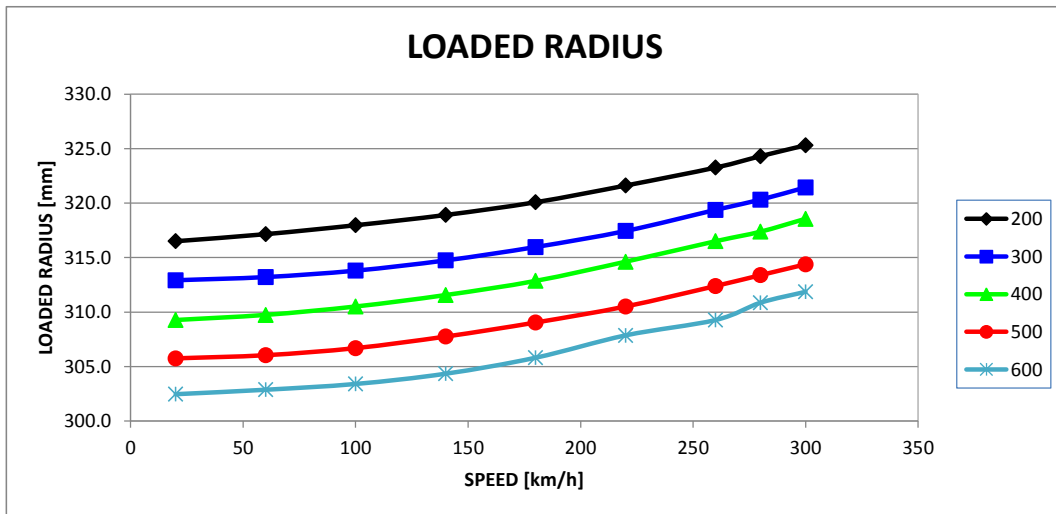
285/645-18x11.0J DH

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	316.5	312.9	309.3	305.7	302.5
60	317.1	313.2	309.7	306.0	302.9
100	318.0	313.8	310.5	306.7	303.4
140	318.9	314.7	311.6	307.7	304.3
180	320.1	316.0	312.9	309.0	305.8
220	321.6	317.4	314.6	310.5	307.9
260	323.3	319.4	316.5	312.4	309.3
280	324.3	320.3	317.4	313.4	310.9
300	325.3	321.4	318.6	314.4	311.9

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	318.3	318.2	316.7	316.7	315.8
60	318.5	318.2	316.9	316.9	316.0
100	319.1	319.0	317.5	317.4	316.6
140	320.0	319.9	318.3	318.2	317.5
180	321.2	321.0	319.5	319.5	318.8
220	322.6	322.4	321.0	320.8	320.3
260	324.1	323.9	322.6	322.6	321.8
280	325.1	325.1	323.6	323.4	323.0
300	326.1	326.1	324.7	324.3	324.0



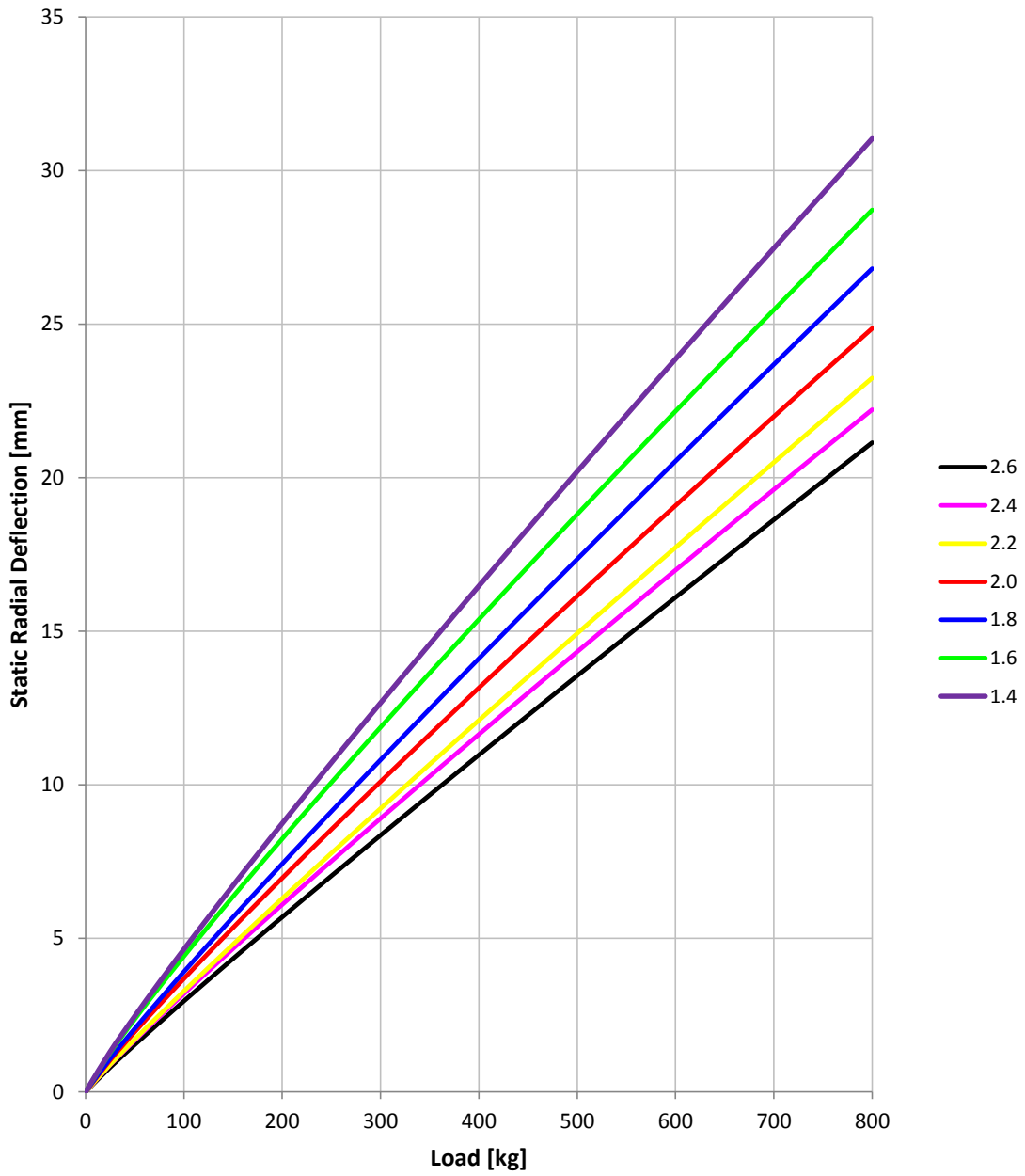


STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA 0.0° DH

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	1.1	1.3	1.3
50	1.5	1.7	1.7	1.9	2.1	2.4	2.5
75	2.2	2.4	2.5	2.8	3.0	3.4	3.6
100	3.0	3.2	3.3	3.7	3.9	4.4	4.6
125	3.6	3.9	4.0	4.5	4.8	5.4	5.7
150	4.3	4.7	4.8	5.3	5.7	6.4	6.7
175	5.0	5.4	5.6	6.2	6.6	7.3	7.7
200	5.7	6.1	6.3	7.0	7.4	8.2	8.7
225	6.4	6.8	7.0	7.8	8.3	9.2	9.7
250	7.0	7.5	7.8	8.5	9.1	10.1	10.7
275	7.7	8.2	8.5	9.3	10.0	11.0	11.7
300	8.4	8.9	9.2	10.1	10.8	11.9	12.7
325	9.0	9.6	9.9	10.9	11.6	12.8	13.6
350	9.7	10.3	10.7	11.6	12.5	13.6	14.6
375	10.3	11.0	11.4	12.4	13.3	14.5	15.5
400	11.0	11.6	12.1	13.2	14.1	15.4	16.5
425	11.6	12.3	12.8	13.9	14.9	16.2	17.4
450	12.3	13.0	13.5	14.7	15.7	17.1	18.3
475	12.9	13.7	14.2	15.4	16.5	18.0	19.3
500	13.5	14.3	14.9	16.1	17.3	18.8	20.2
525	14.2	15.0	15.6	16.9	18.1	19.7	21.1
550	14.8	15.7	16.3	17.6	18.9	20.5	22.0
575	15.5	16.3	17.0	18.4	19.7	21.3	23.0
600	16.1	17.0	17.7	19.1	20.5	22.2	23.9
625	16.7	17.6	18.4	19.8	21.3	23.0	24.8
650	17.4	18.3	19.1	20.5	22.1	23.8	25.7
675	18.0	19.0	19.8	21.3	22.9	24.6	26.6
700	18.6	19.6	20.5	22.0	23.7	25.5	27.5
725	19.3	20.3	21.2	22.7	24.5	26.3	28.4
750	19.9	20.9	21.9	23.4	25.2	27.1	29.3
775	20.5	21.6	22.6	24.1	26.0	27.9	30.1
800	21.1	22.2	23.2	24.9	26.8	28.7	31.0



STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA 0.0° DH



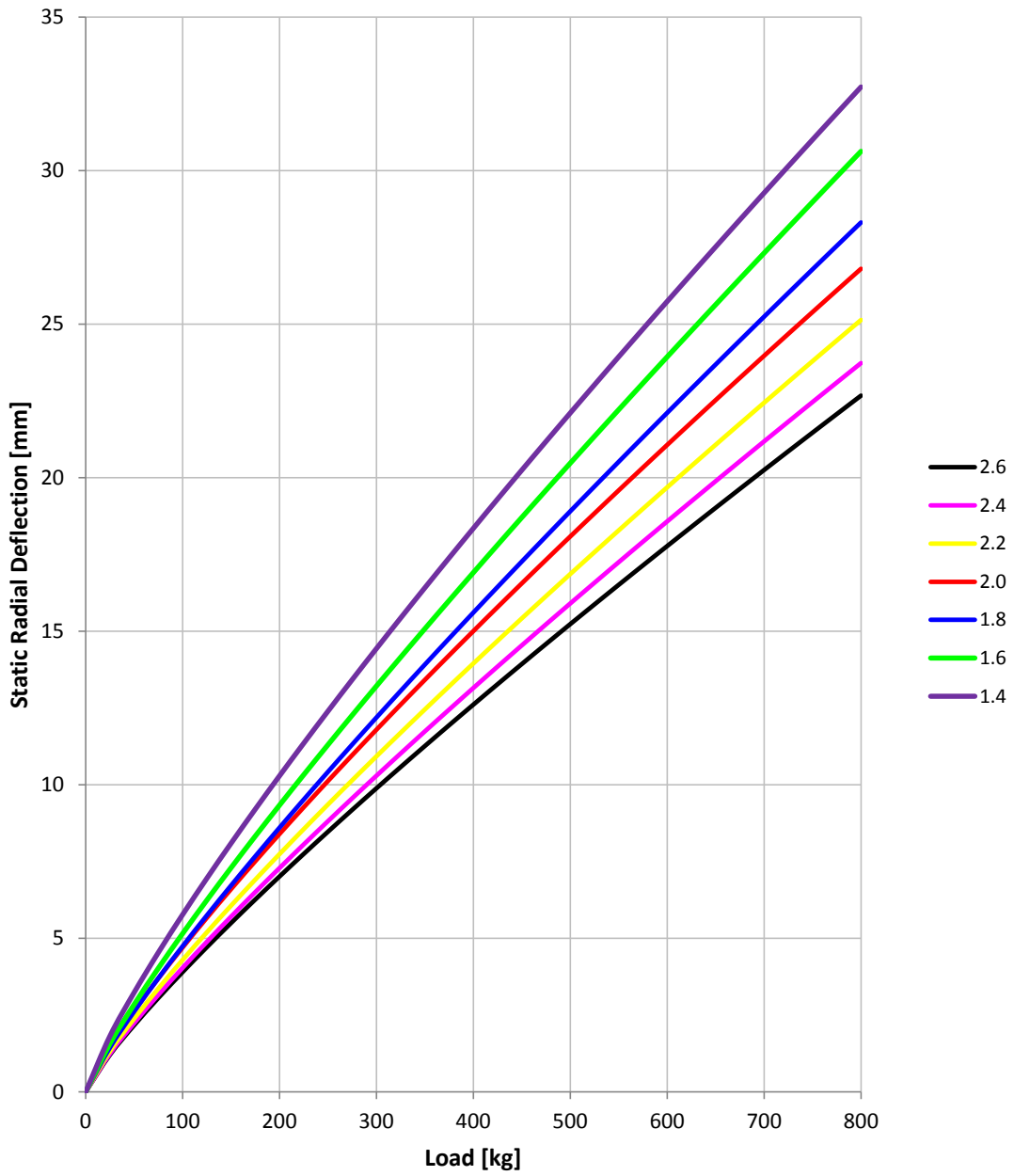


STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA -3.0 ° DH

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	1.2	1.2	1.3	1.5	1.4	1.6	1.8
50	2.2	2.2	2.4	2.6	2.6	2.8	3.2
75	3.1	3.2	3.4	3.7	3.7	4.0	4.5
100	3.9	4.0	4.3	4.7	4.7	5.2	5.8
125	4.7	4.9	5.2	5.7	5.7	6.2	7.0
150	5.5	5.7	6.1	6.6	6.7	7.3	8.1
175	6.3	6.5	6.9	7.5	7.7	8.3	9.2
200	7.0	7.3	7.7	8.4	8.6	9.3	10.3
225	7.7	8.1	8.6	9.3	9.5	10.3	11.4
250	8.5	8.8	9.4	10.1	10.4	11.3	12.4
275	9.2	9.6	10.1	11.0	11.3	12.3	13.4
300	9.9	10.3	10.9	11.8	12.2	13.2	14.4
325	10.6	11.0	11.7	12.6	13.1	14.2	15.4
350	11.3	11.7	12.5	13.4	13.9	15.1	16.4
375	11.9	12.4	13.2	14.2	14.8	16.0	17.4
400	12.6	13.1	13.9	15.0	15.6	16.9	18.3
425	13.3	13.8	14.7	15.8	16.4	17.8	19.3
450	13.9	14.5	15.4	16.6	17.3	18.7	20.2
475	14.6	15.2	16.1	17.3	18.1	19.6	21.2
500	15.2	15.9	16.9	18.1	18.9	20.5	22.1
525	15.9	16.6	17.6	18.8	19.7	21.3	23.0
550	16.5	17.2	18.3	19.6	20.5	22.2	23.9
575	17.1	17.9	19.0	20.3	21.3	23.1	24.8
600	17.8	18.6	19.7	21.1	22.1	23.9	25.7
625	18.4	19.2	20.4	21.8	22.9	24.8	26.6
650	19.0	19.9	21.1	22.5	23.7	25.6	27.5
675	19.6	20.5	21.8	23.2	24.5	26.5	28.4
700	20.2	21.2	22.4	24.0	25.2	27.3	29.3
725	20.9	21.8	23.1	24.7	26.0	28.1	30.1
750	21.5	22.5	23.8	25.4	26.8	29.0	31.0
775	22.1	23.1	24.5	26.1	27.5	29.8	31.9
800	22.7	23.7	25.1	26.8	28.3	30.6	32.7



STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA -3.0° DH





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

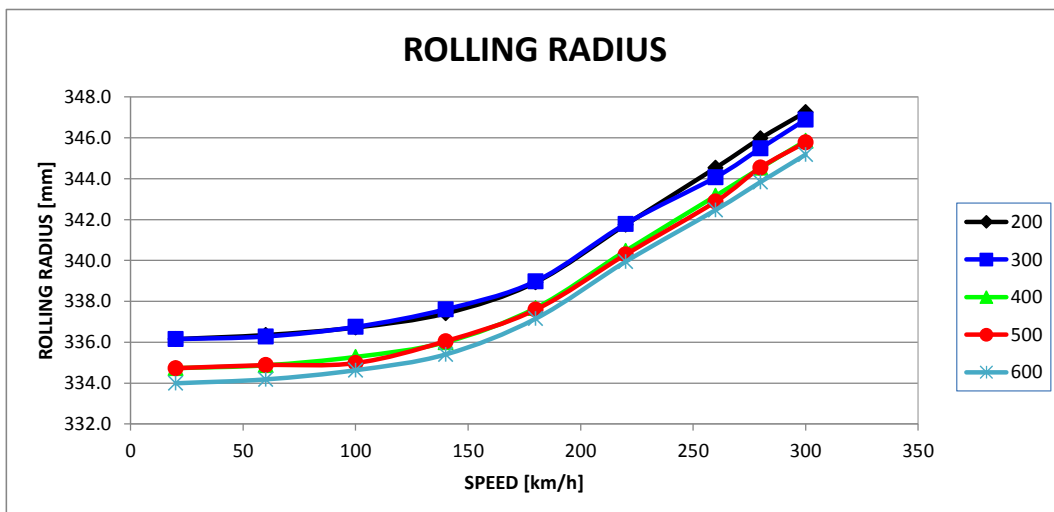
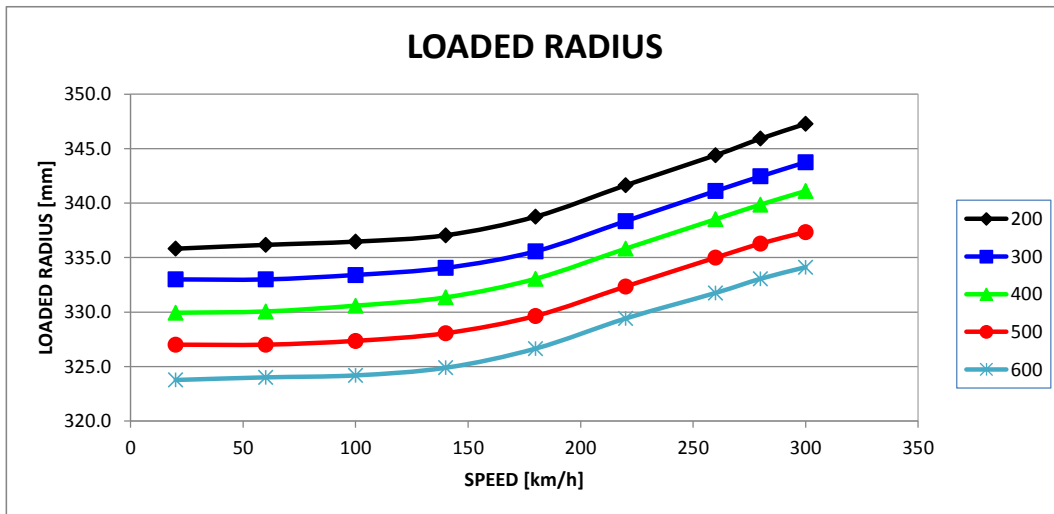
305/680-18x11.0J DH

LOADED RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	335.8	333.0	329.9	327.0	323.8
60	336.2	333.0	330.1	327.0	324.0
100	336.5	333.4	330.6	327.4	324.2
140	337.0	334.1	331.3	328.1	324.9
180	338.8	335.6	333.1	329.6	326.6
220	341.6	338.3	335.8	332.3	329.4
260	344.4	341.1	338.5	335.0	331.8
280	345.9	342.5	339.9	336.3	333.1
300	347.3	343.7	341.1	337.3	334.1

ROLLING RADIUS

SPEED [km/h]	LOAD [kg]				
	200	300	400	500	600
20	336.1	336.1	334.7	334.7	334.0
60	336.4	336.3	334.9	334.9	334.2
100	336.7	336.8	335.3	335.0	334.6
140	337.4	337.6	336.0	336.0	335.4
180	338.9	339.0	337.7	337.6	337.1
220	341.8	341.8	340.5	340.3	339.9
260	344.5	344.1	343.2	342.9	342.5
280	346.0	345.5	344.5	344.5	343.8
300	347.3	346.9	345.9	345.8	345.2



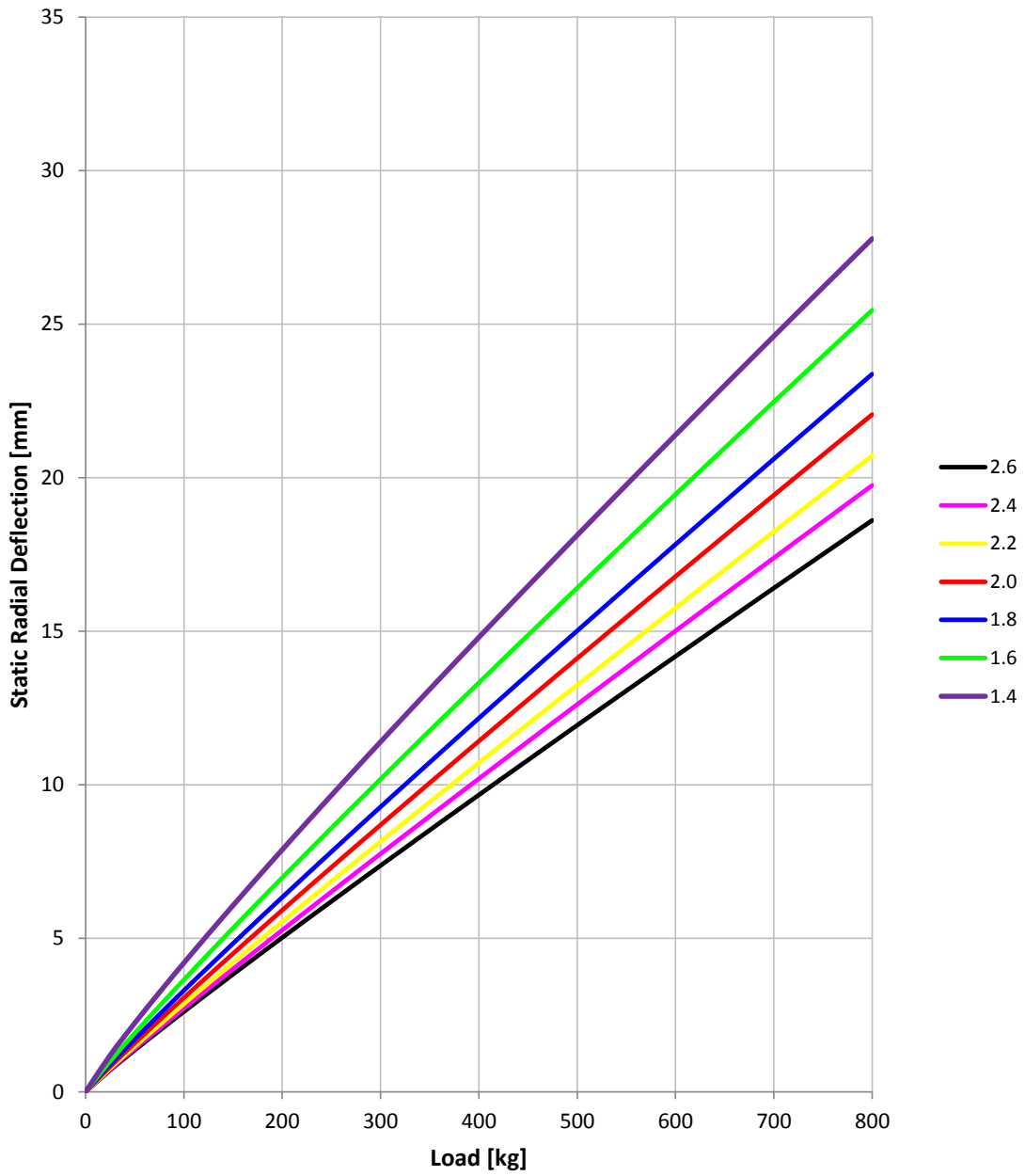


STATIC RADIAL DEFLECTION – 305/680-18x11.0J @ CA 0.0° DH

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	1.0	1.2
50	1.4	1.4	1.5	1.6	1.7	1.9	2.2
75	2.0	2.1	2.2	2.3	2.5	2.8	3.2
100	2.6	2.7	2.9	3.1	3.3	3.6	4.2
125	3.2	3.4	3.5	3.8	4.1	4.5	5.1
150	3.8	4.0	4.2	4.5	4.8	5.3	6.1
175	4.4	4.6	4.9	5.2	5.6	6.2	7.0
200	5.0	5.3	5.5	5.9	6.3	7.0	7.9
225	5.6	5.9	6.2	6.6	7.1	7.8	8.8
250	6.2	6.5	6.8	7.3	7.8	8.6	9.7
275	6.8	7.1	7.5	8.0	8.5	9.4	10.5
300	7.4	7.7	8.1	8.7	9.3	10.2	11.4
325	7.9	8.4	8.8	9.4	10.0	11.0	12.3
350	8.5	9.0	9.4	10.1	10.7	11.8	13.1
375	9.1	9.6	10.1	10.7	11.4	12.5	14.0
400	9.7	10.2	10.7	11.4	12.2	13.3	14.8
425	10.2	10.8	11.3	12.1	12.9	14.1	15.6
450	10.8	11.4	12.0	12.8	13.6	14.9	16.5
475	11.4	12.0	12.6	13.4	14.3	15.6	17.3
500	11.9	12.6	13.2	14.1	15.0	16.4	18.1
525	12.5	13.2	13.9	14.8	15.7	17.2	18.9
550	13.1	13.8	14.5	15.5	16.4	17.9	19.8
575	13.6	14.4	15.1	16.1	17.1	18.7	20.6
600	14.2	15.0	15.8	16.8	17.8	19.5	21.4
625	14.7	15.6	16.4	17.4	18.5	20.2	22.2
650	15.3	16.2	17.0	18.1	19.2	21.0	23.0
675	15.8	16.8	17.6	18.8	19.9	21.7	23.8
700	16.4	17.4	18.2	19.4	20.6	22.5	24.6
725	17.0	18.0	18.9	20.1	21.3	23.2	25.4
750	17.5	18.6	19.5	20.7	22.0	24.0	26.2
775	18.1	19.2	20.1	21.4	22.7	24.7	27.0
800	18.6	19.7	20.7	22.1	23.4	25.5	27.8



STATIC RADIAL DEFLECTION – 305/680-18x11.0J @ CA 0.0° DH



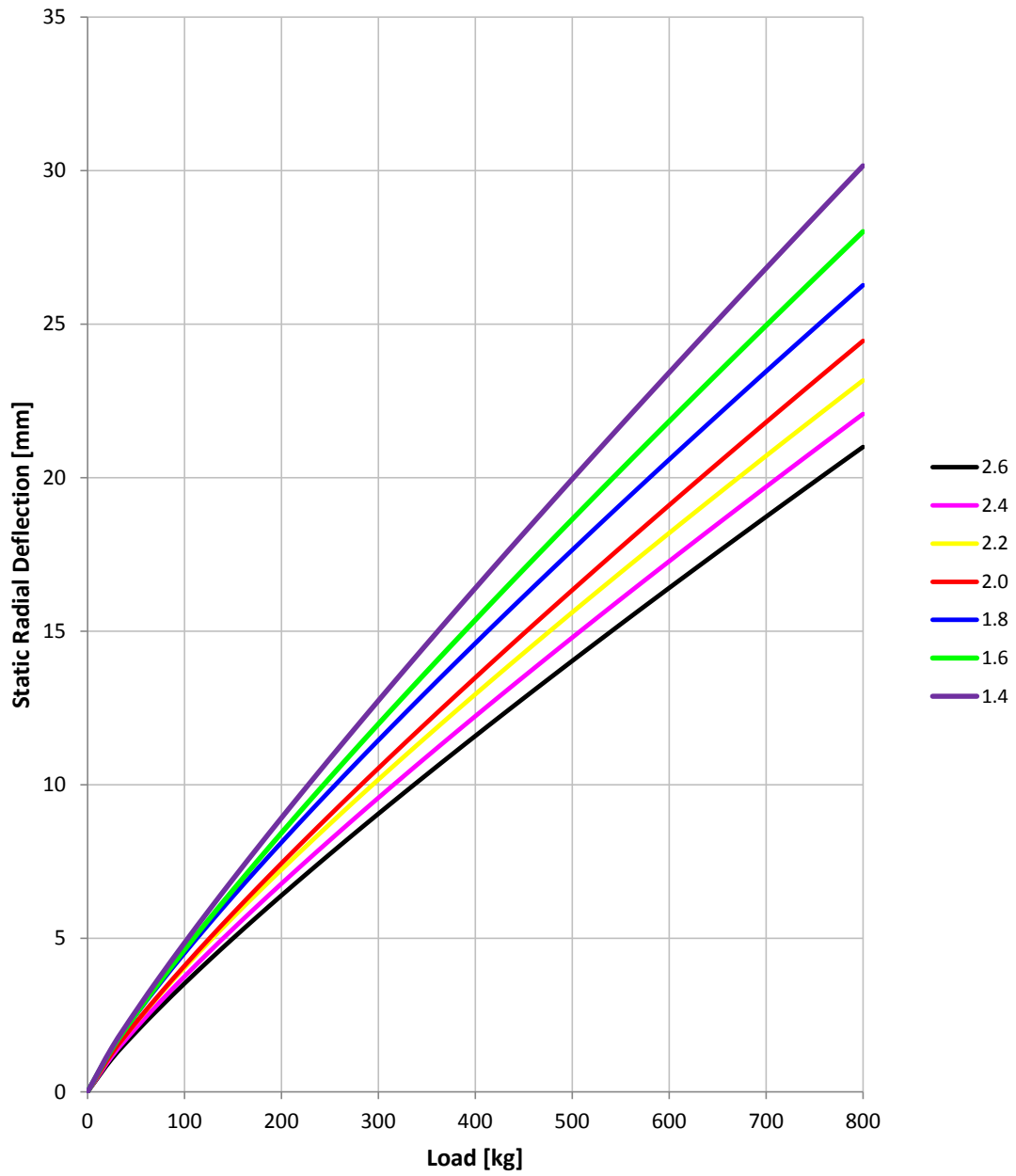


STATIC RADIAL DEFLECTION – 305/680-18x11.0J @ CA -3.0 ° DH

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	1.1	1.2	1.3	1.2	1.4	1.4	1.4
50	1.9	2.1	2.3	2.3	2.5	2.5	2.6
75	2.8	2.9	3.2	3.2	3.5	3.6	3.8
100	3.5	3.8	4.0	4.1	4.5	4.6	4.9
125	4.3	4.5	4.9	5.0	5.5	5.6	5.9
150	5.0	5.3	5.7	5.8	6.4	6.6	6.9
175	5.7	6.0	6.5	6.6	7.3	7.5	7.9
200	6.4	6.8	7.2	7.4	8.1	8.4	8.9
225	7.1	7.5	8.0	8.2	9.0	9.3	9.9
250	7.7	8.2	8.7	9.0	9.8	10.2	10.9
275	8.4	8.9	9.4	9.8	10.6	11.1	11.8
300	9.1	9.6	10.2	10.5	11.4	12.0	12.7
325	9.7	10.2	10.9	11.3	12.2	12.8	13.7
350	10.3	10.9	11.6	12.0	13.0	13.7	14.6
375	11.0	11.6	12.3	12.8	13.8	14.5	15.5
400	11.6	12.2	12.9	13.5	14.6	15.4	16.4
425	12.2	12.9	13.6	14.2	15.4	16.2	17.3
450	12.8	13.5	14.3	14.9	16.1	17.0	18.2
475	13.4	14.2	15.0	15.6	16.9	17.8	19.1
500	14.0	14.8	15.6	16.3	17.6	18.6	20.0
525	14.6	15.4	16.3	17.0	18.4	19.4	20.8
550	15.2	16.0	16.9	17.7	19.1	20.2	21.7
575	15.8	16.7	17.6	18.4	19.9	21.0	22.6
600	16.4	17.3	18.2	19.1	20.6	21.8	23.4
625	17.0	17.9	18.8	19.8	21.3	22.6	24.3
650	17.6	18.5	19.5	20.5	22.0	23.4	25.1
675	18.1	19.1	20.1	21.1	22.7	24.2	26.0
700	18.7	19.7	20.7	21.8	23.5	24.9	26.8
725	19.3	20.3	21.3	22.5	24.2	25.7	27.7
750	19.9	20.9	21.9	23.1	24.9	26.5	28.5
775	20.4	21.5	22.6	23.8	25.6	27.2	29.3
800	21.0	22.1	23.2	24.4	26.3	28.0	30.2



STATIC RADIAL DEFLECTION – 305/680-18x11.0J @ CA -3.0° DH





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

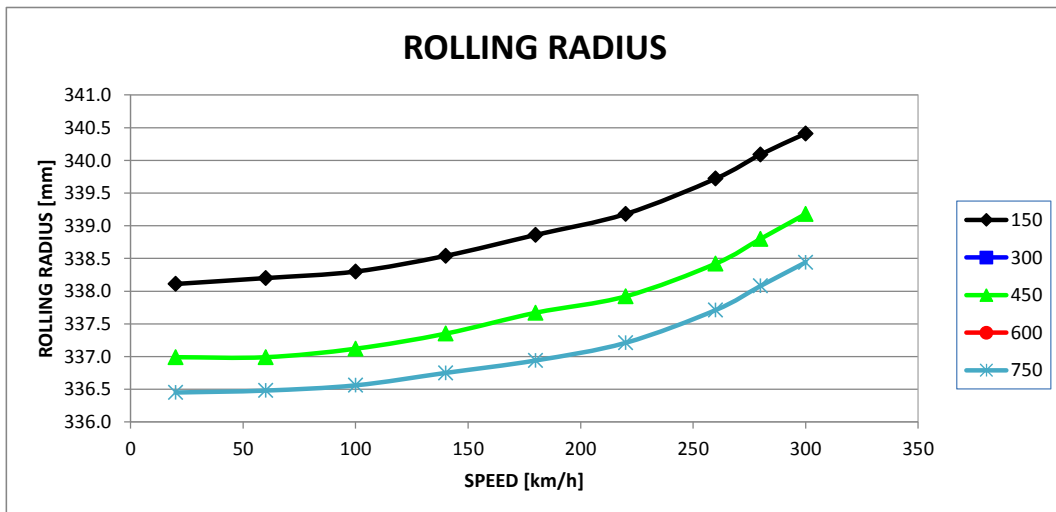
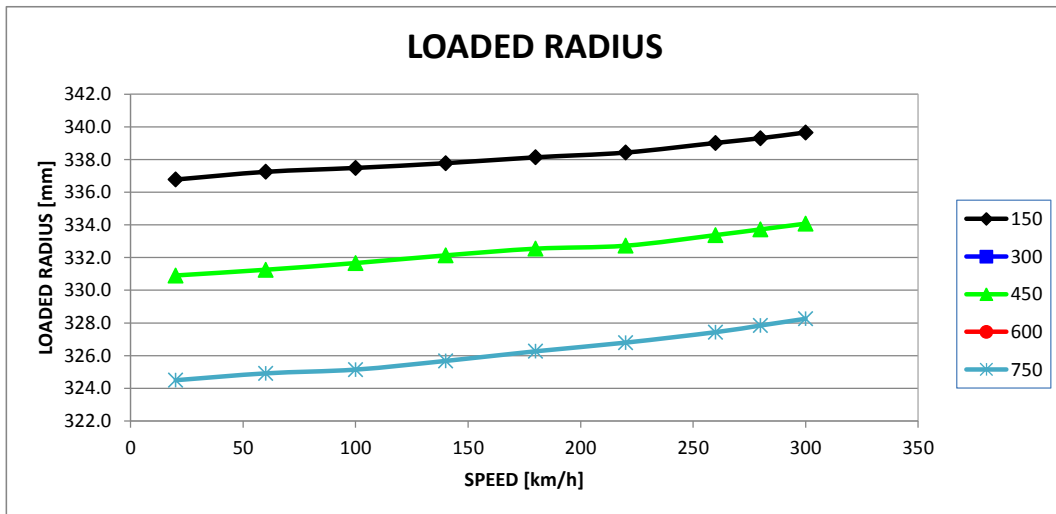
315/680-18x12.0J DH

LOADED RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	336.8		330.9		324.5
	60	337.2		331.3		324.9
	100	337.5		331.7		325.1
	140	337.8		332.1		325.7
	180	338.1		332.5		326.3
	220	338.4		332.7		326.8
	260	339.0		333.4		327.4
	280	339.3		333.7		327.8
	300	339.7		334.1		328.3

ROLLING RADIUS

		LOAD [kg]				
		150	300	450	600	750
SPEED [km/h]	20	338.1		337.0		336.5
	60	338.2		337.0		336.5
	100	338.3		337.1		336.6
	140	338.5		337.4		336.8
	180	338.9		337.7		336.9
	220	339.2		337.9		337.2
	260	339.7		338.4		337.7
	280	340.1		338.8		338.1
	300	340.4		339.2		338.4



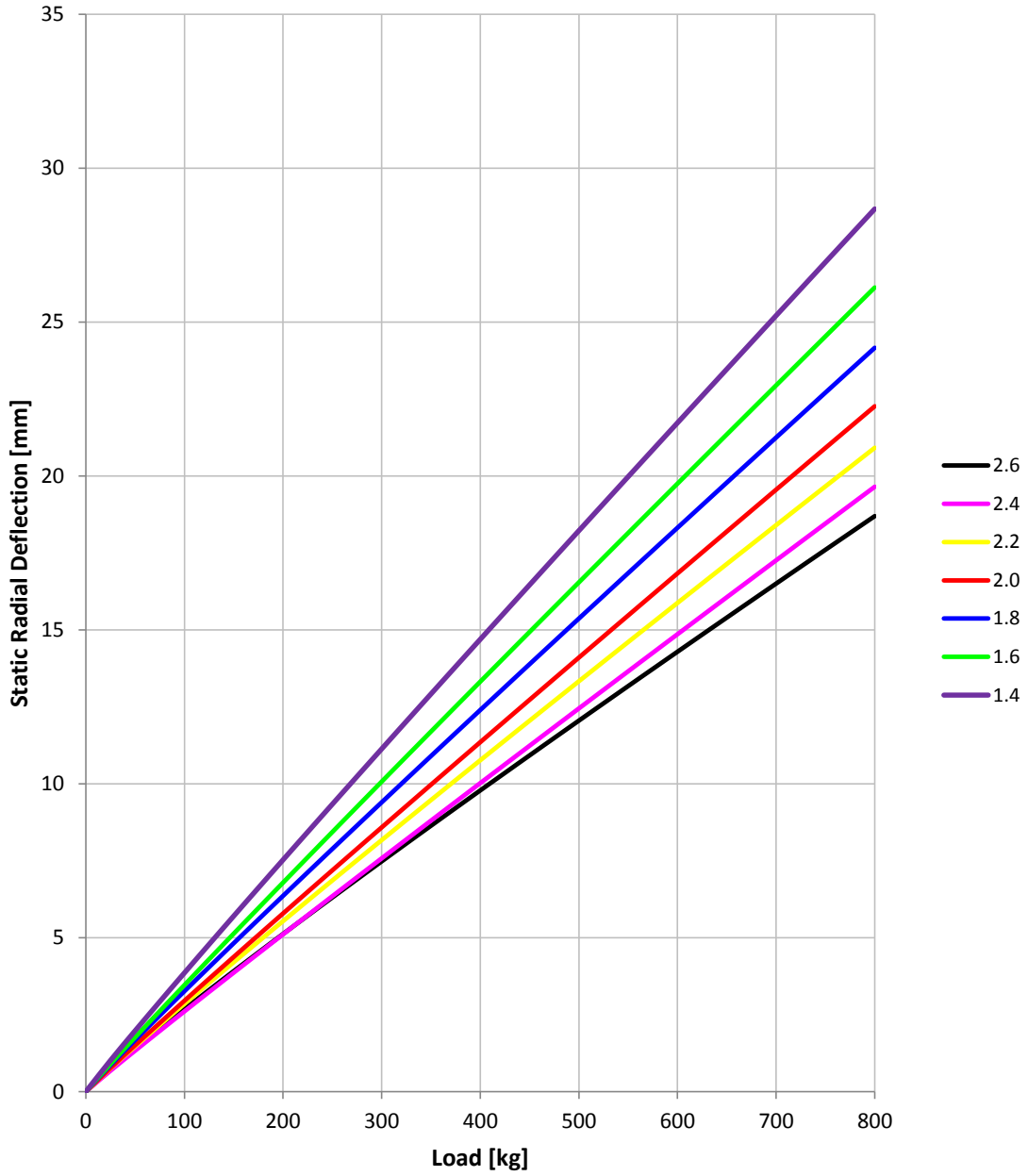


STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ CA 0.0° DH

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	1.4	1.3	1.5	1.5	1.7	1.8	2.0
75	2.0	2.0	2.2	2.2	2.5	2.6	2.9
100	2.7	2.6	2.9	3.0	3.3	3.5	3.9
125	3.3	3.2	3.5	3.7	4.0	4.3	4.8
150	3.9	3.9	4.2	4.4	4.8	5.1	5.7
175	4.5	4.5	4.9	5.1	5.6	6.0	6.6
200	5.1	5.1	5.5	5.8	6.4	6.8	7.5
225	5.7	5.7	6.2	6.5	7.1	7.6	8.4
250	6.3	6.3	6.9	7.2	7.9	8.4	9.3
275	6.9	7.0	7.5	7.9	8.6	9.3	10.2
300	7.5	7.6	8.2	8.6	9.4	10.1	11.1
325	8.1	8.2	8.8	9.3	10.1	10.9	12.0
350	8.6	8.8	9.5	10.0	10.9	11.7	12.9
375	9.2	9.4	10.1	10.7	11.6	12.5	13.8
400	9.8	10.0	10.8	11.4	12.4	13.3	14.7
425	10.4	10.6	11.4	12.0	13.1	14.1	15.6
450	10.9	11.2	12.0	12.7	13.9	14.9	16.5
475	11.5	11.8	12.7	13.4	14.6	15.7	17.3
500	12.1	12.4	13.3	14.1	15.4	16.5	18.2
525	12.6	13.0	14.0	14.8	16.1	17.3	19.1
550	13.2	13.7	14.6	15.5	16.8	18.1	20.0
575	13.7	14.3	15.2	16.2	17.6	18.9	20.9
600	14.3	14.9	15.9	16.8	18.3	19.7	21.7
625	14.8	15.5	16.5	17.5	19.0	20.5	22.6
650	15.4	16.1	17.1	18.2	19.8	21.3	23.5
675	16.0	16.7	17.8	18.9	20.5	22.1	24.3
700	16.5	17.3	18.4	19.6	21.2	22.9	25.2
725	17.1	17.9	19.0	20.2	22.0	23.7	26.1
750	17.6	18.5	19.7	20.9	22.7	24.5	26.9
775	18.1	19.1	20.3	21.6	23.4	25.3	27.8
800	18.7	19.6	20.9	22.3	24.2	26.1	28.7



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



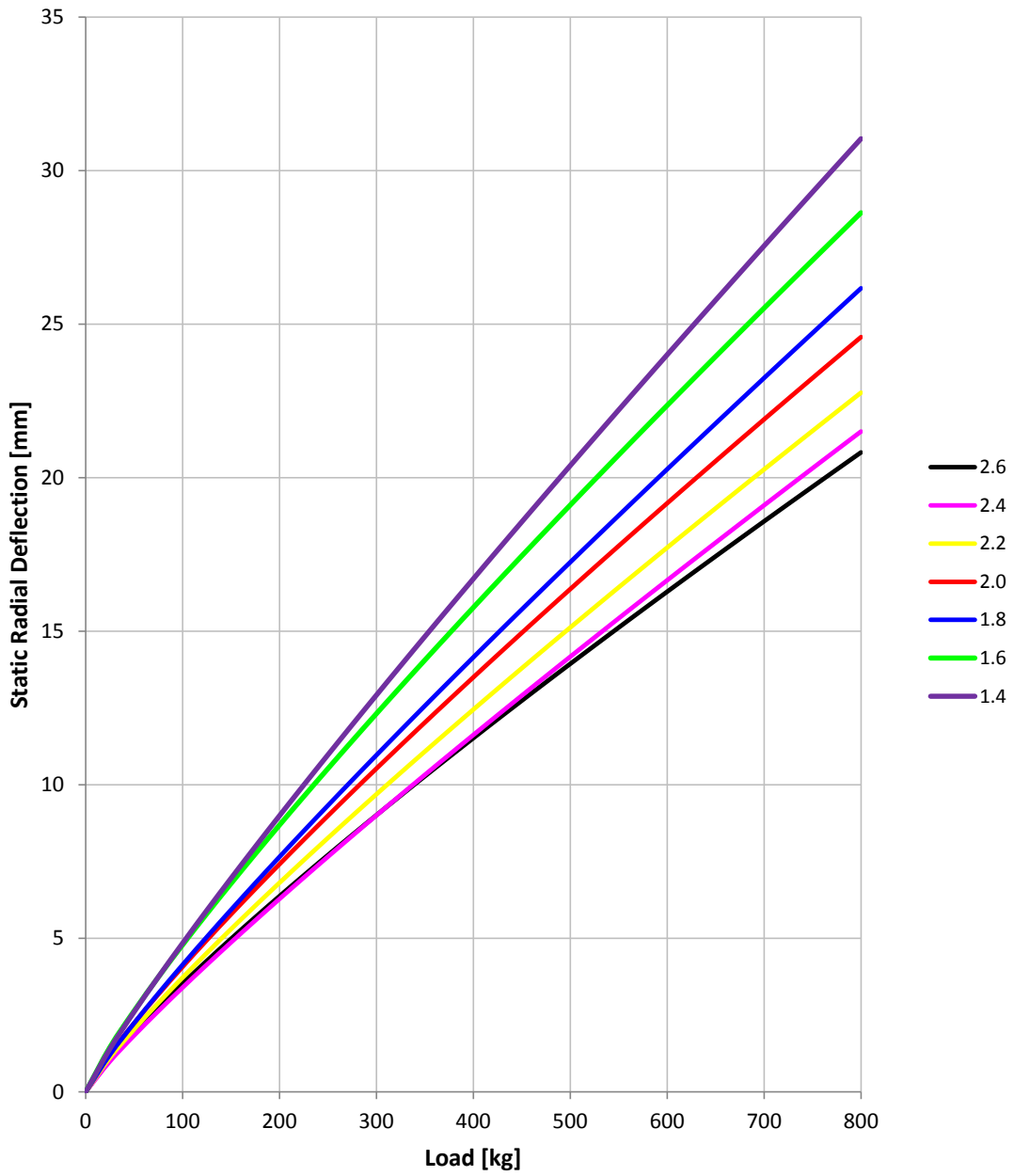


STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ CA -3.0 ° DH

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	1.1	1.0	1.1	1.2	1.2	1.5	1.4
50	1.9	1.8	2.0	2.2	2.2	2.6	2.6
75	2.8	2.6	2.9	3.2	3.2	3.7	3.7
100	3.5	3.4	3.7	4.1	4.1	4.8	4.8
125	4.3	4.1	4.5	4.9	5.0	5.8	5.9
150	5.0	4.9	5.3	5.8	5.9	6.8	7.0
175	5.7	5.6	6.1	6.6	6.8	7.7	8.0
200	6.4	6.3	6.8	7.4	7.7	8.7	9.0
225	7.0	7.0	7.5	8.2	8.5	9.6	10.0
250	7.7	7.7	8.3	9.0	9.3	10.5	11.0
275	8.4	8.3	9.0	9.8	10.1	11.4	12.0
300	9.0	9.0	9.7	10.5	11.0	12.3	12.9
325	9.6	9.7	10.4	11.3	11.8	13.2	13.9
350	10.3	10.3	11.1	12.0	12.6	14.1	14.8
375	10.9	11.0	11.8	12.8	13.4	14.9	15.8
400	11.5	11.6	12.4	13.5	14.1	15.8	16.7
425	12.1	12.3	13.1	14.2	14.9	16.6	17.6
450	12.7	12.9	13.8	14.9	15.7	17.5	18.6
475	13.3	13.5	14.5	15.7	16.5	18.3	19.5
500	13.9	14.2	15.1	16.4	17.2	19.1	20.4
525	14.5	14.8	15.8	17.1	18.0	19.9	21.3
550	15.1	15.4	16.4	17.8	18.8	20.7	22.2
575	15.7	16.0	17.1	18.5	19.5	21.5	23.1
600	16.3	16.7	17.7	19.2	20.3	22.3	24.0
625	16.9	17.3	18.4	19.9	21.0	23.1	24.9
650	17.4	17.9	19.0	20.5	21.8	23.9	25.8
675	18.0	18.5	19.6	21.2	22.5	24.7	26.7
700	18.6	19.1	20.3	21.9	23.2	25.5	27.5
725	19.1	19.7	20.9	22.6	24.0	26.3	28.4
750	19.7	20.3	21.5	23.2	24.7	27.1	29.3
775	20.3	20.9	22.1	23.9	25.4	27.9	30.2
800	20.8	21.5	22.8	24.6	26.2	28.6	31.0



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





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

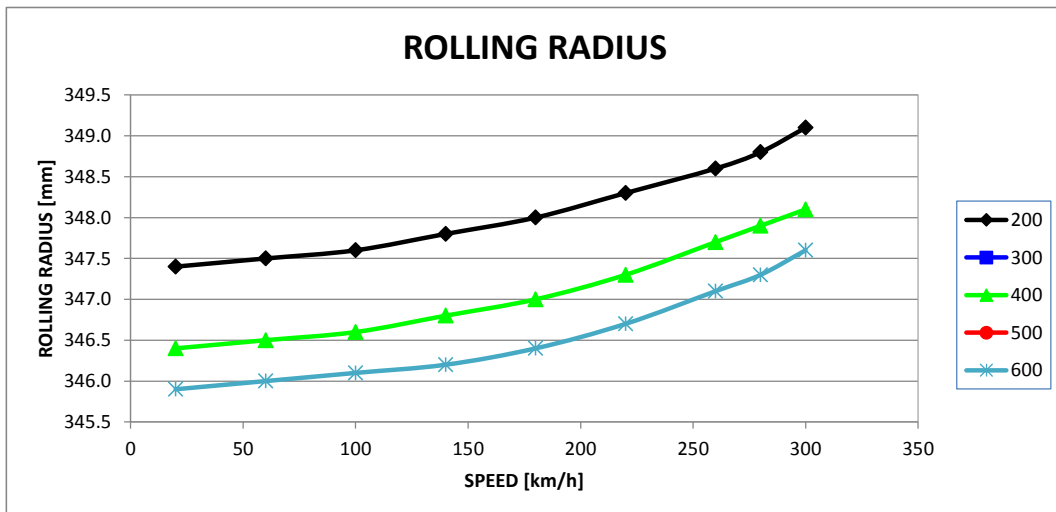
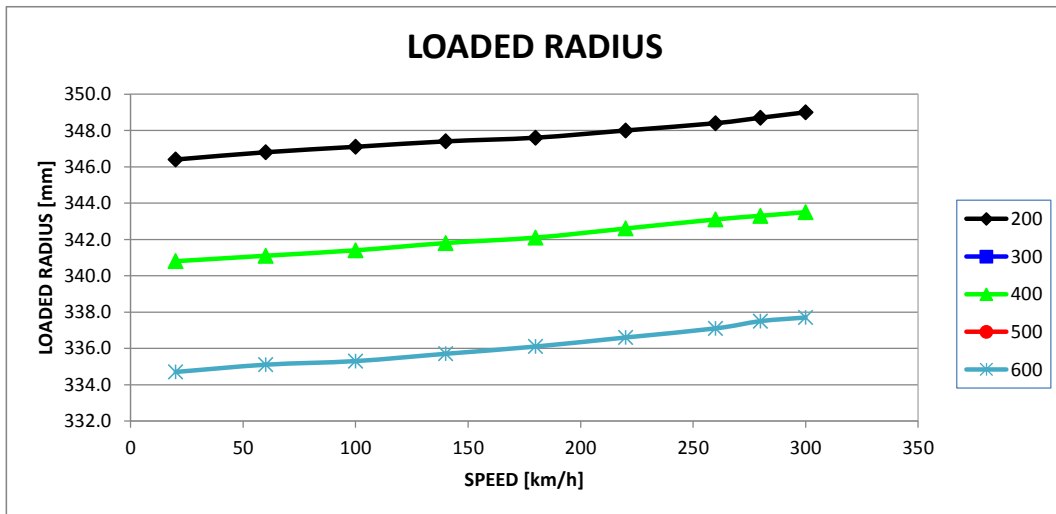
325/705-18x12.5J DH

LOADED RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	346.4		340.8		334.7
	60	346.8		341.1		335.1
	100	347.1		341.4		335.3
	140	347.4		341.8		335.7
	180	347.6		342.1		336.1
	220	348.0		342.6		336.6
	260	348.4		343.3		337.1
	280	348.7		343.3		337.5
	300	349.0		343.5		337.7

ROLLING RADIUS

		LOAD [kg]				
		200	300	400	500	600
SPEED [km/h]	20	347.4		346.4		345.9
	60	347.5		346.5		346.0
	100	347.6		346.6		346.1
	140	347.8		346.8		346.2
	180	348.0		347.0		346.4
	220	348.3		347.3		346.7
	260	348.6		347.7		347.1
	280	348.8		347.9		347.3
	300	349.1		348.1		347.6



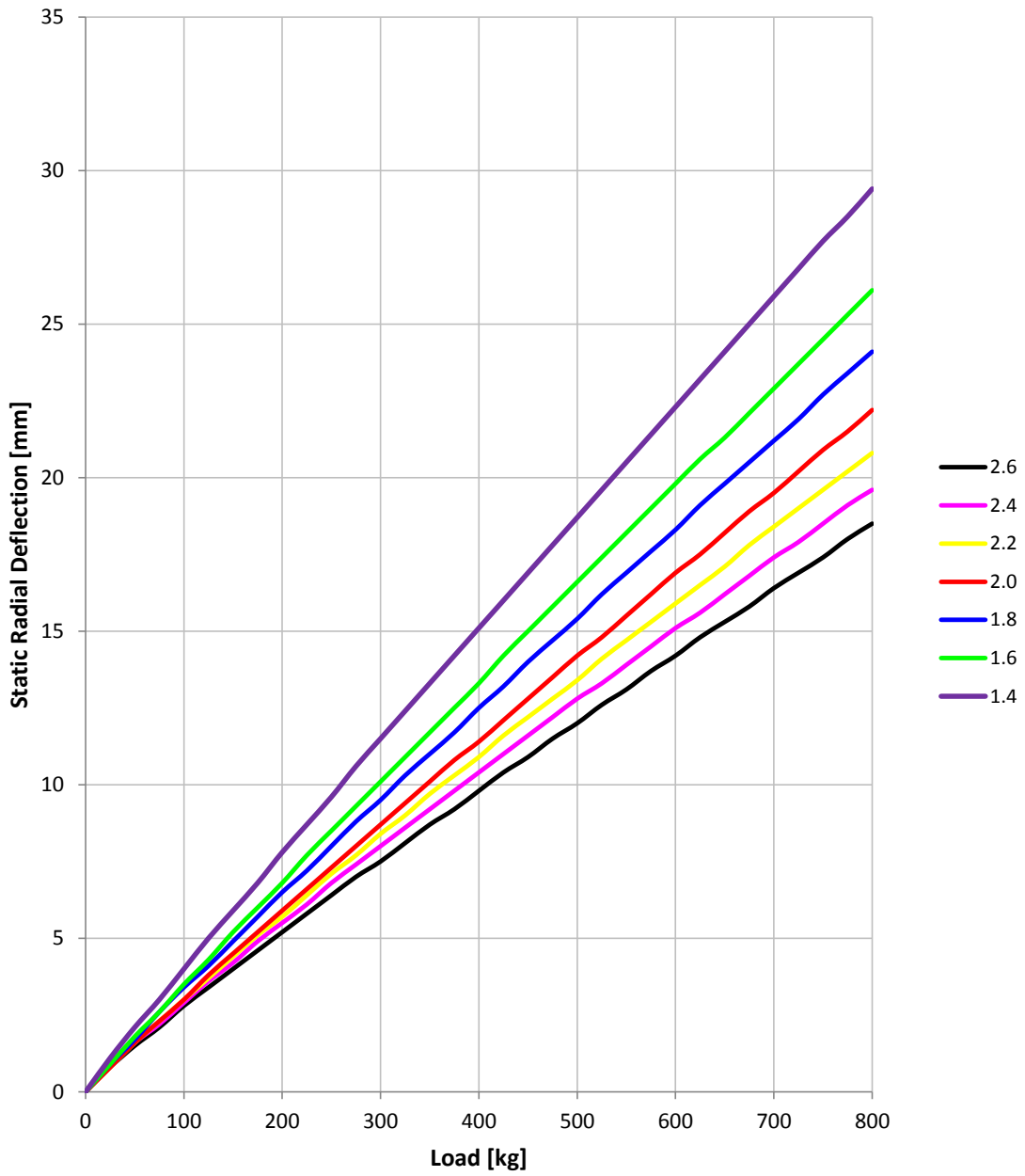


STATIC RADIAL DEFLECTION – 325/705-18x12.5J @ CA 0.0° DH

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	0.8	0.8	0.9	0.9	1.1
50	1.5	1.6	1.6	1.6	1.7	1.8	2.1
75	2.1	2.2	2.3	2.3	2.6	2.6	3.0
100	2.8	2.9	3.0	3.0	3.4	3.5	4.0
125	3.4	3.6	3.7	3.8	4.1	4.3	5.0
150	4.0	4.2	4.4	4.5	4.9	5.2	5.9
175	4.6	4.9	5.1	5.2	5.7	6.0	6.8
200	5.2	5.5	5.7	5.9	6.5	6.8	7.8
225	5.8	6.1	6.4	6.6	7.2	7.7	8.7
250	6.4	6.8	7.1	7.3	8.0	8.5	9.6
275	7.0	7.4	7.7	8.0	8.8	9.3	10.6
300	7.5	8.0	8.4	8.7	9.5	10.1	11.5
325	8.1	8.6	9.0	9.4	10.3	10.9	12.4
350	8.7	9.2	9.7	10.1	11.0	11.7	13.3
375	9.2	9.8	10.3	10.8	11.7	12.5	14.2
400	9.8	10.4	10.9	11.4	12.5	13.3	15.1
425	10.4	11.0	11.6	12.1	13.2	14.2	16.0
450	10.9	11.6	12.2	12.8	14.0	15.0	16.9
475	11.5	12.2	12.8	13.5	14.7	15.8	17.8
500	12.0	12.8	13.4	14.2	15.4	16.6	18.7
525	12.6	13.3	14.1	14.8	16.2	17.4	19.6
550	13.1	13.9	14.7	15.5	16.9	18.2	20.5
575	13.7	14.5	15.3	16.2	17.6	19.0	21.4
600	14.2	15.1	15.9	16.9	18.3	19.8	22.3
625	14.8	15.6	16.5	17.5	19.1	20.6	23.2
650	15.3	16.2	17.1	18.2	19.8	21.3	24.1
675	15.8	16.8	17.8	18.9	20.5	22.1	25.0
700	16.4	17.4	18.4	19.5	21.2	22.9	25.9
725	16.9	17.9	19.0	20.2	21.9	23.7	26.8
750	17.4	18.5	19.6	20.9	22.7	24.5	27.7
775	18.0	19.1	20.2	21.5	23.4	25.3	28.5
800	18.5	19.6	20.8	22.2	24.1	26.1	29.4



STATIC RADIAL DEFLECTION – 325/705-18x12.5J @ CA 0.0° DH





STATIC RADIAL DEFLECTION – 325/705-18x12.5J @ CA -3.0 ° DH

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	1.0	1.2	1.3	1.4	1.5
50	1.9	2.0	1.9	2.2	2.4	2.6	2.8
75	2.7	2.8	2.7	3.1	3.5	3.7	3.9
100	3.4	3.6	3.5	4.0	4.4	4.7	5.1
125	4.2	4.4	4.3	4.9	5.4	5.7	6.2
150	4.9	5.2	5.1	5.8	6.3	6.7	7.3
175	5.6	5.9	5.9	6.6	7.2	7.7	8.4
200	6.3	6.6	6.6	7.4	8.1	8.6	9.4
225	6.9	7.3	7.3	8.2	8.9	9.6	10.5
250	7.6	8.0	8.1	9.0	9.8	10.5	11.5
275	8.3	8.7	8.8	9.8	10.6	11.4	12.5
300	8.9	9.4	9.5	10.6	11.4	12.3	13.5
325	9.6	10.1	10.2	11.4	12.3	13.2	14.5
350	10.2	10.8	10.9	12.1	13.1	14.1	15.5
375	10.8	11.4	11.6	12.9	13.9	15.0	16.5
400	11.4	12.1	12.3	13.6	14.7	15.8	17.4
425	12.1	12.7	13.0	14.4	15.5	16.7	18.4
450	12.7	13.4	13.7	15.1	16.2	17.6	19.3
475	13.3	14.0	14.4	15.8	17.0	18.4	20.3
500	13.9	14.6	15.0	16.6	17.8	19.2	21.2
525	14.5	15.3	15.7	17.3	18.6	20.1	22.2
550	15.1	15.9	16.4	18.0	19.3	20.9	23.1
575	15.7	16.5	17.1	18.7	20.1	21.8	24.0
600	16.3	17.1	17.7	19.4	20.8	22.6	25.0
625	16.9	17.7	18.4	20.1	21.6	23.4	25.9
650	17.5	18.4	19.0	20.8	22.3	24.2	26.8
675	18.0	19.0	19.7	21.5	23.1	25.0	27.7
700	18.6	19.6	20.4	22.2	23.8	25.8	28.6
725	19.2	20.2	21.0	22.9	24.5	26.6	29.5
750	19.8	20.8	21.7	23.6	25.2	27.4	30.4
775	20.3	21.4	22.3	24.3	26.0	28.2	31.3
800	20.9	22.0	22.9	25.0	26.7	29.0	32.2



STATIC RADIAL DEFLECTION – 325/705-18x12.5J @ CA -3.0° DH

