



TYRE DATA BOOKLET 2018 – PCA Club Racing Trophy East

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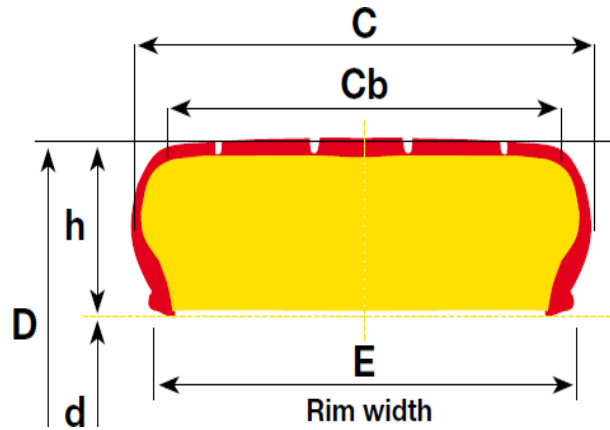


GENERAL INFORMATION

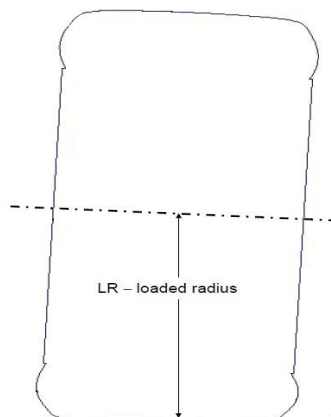
Static measurements

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

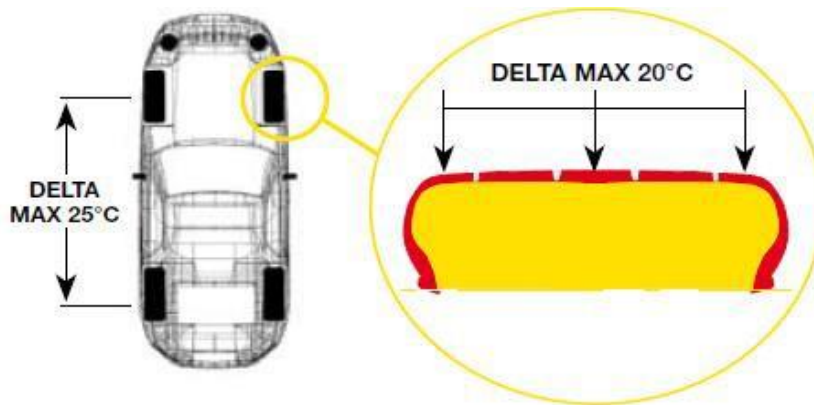
Before each run

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 | | RIM WIDTH | TIRE SIZE | P. TARGET (PSI) | P. MIN (PSI) | CAMBER MAX |
|  | 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 | | RIM WIDTH | TIRE SIZE | P. TARGET (PSI) | P. MIN (PSI) | CAMBER MAX |
|  | 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.

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.



STATIC MEASUREMENTS

| Slick Tyres | | | | |
|--|----------------|---------------|---------------------------|------------------|
| Size & Fitment | Nominal Weight | Max Width (C) | Circumference (πD) | Tread Width (Cb) |
| | (kilograms) | (mm) | (mm) | (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°

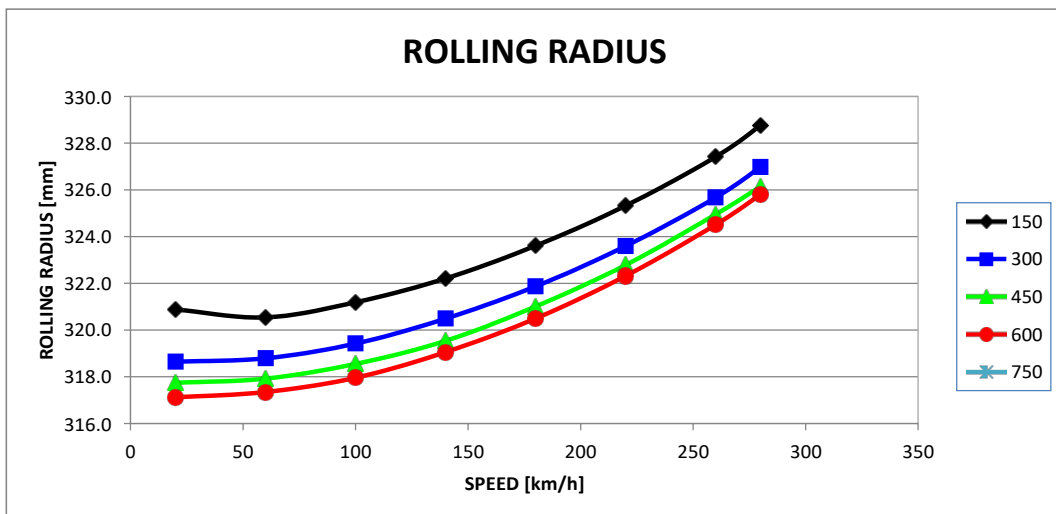
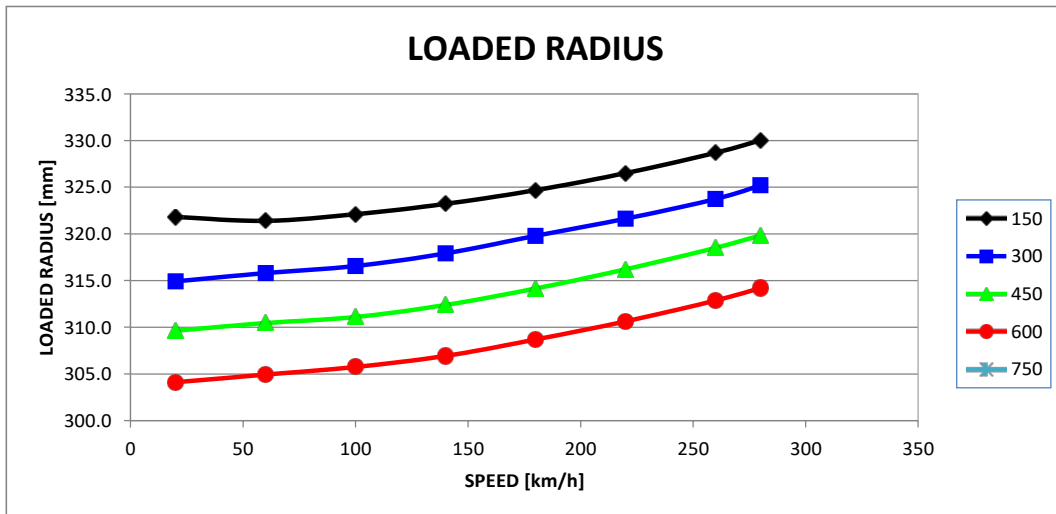
265/645-18x9.5J DH

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 | | | | | |



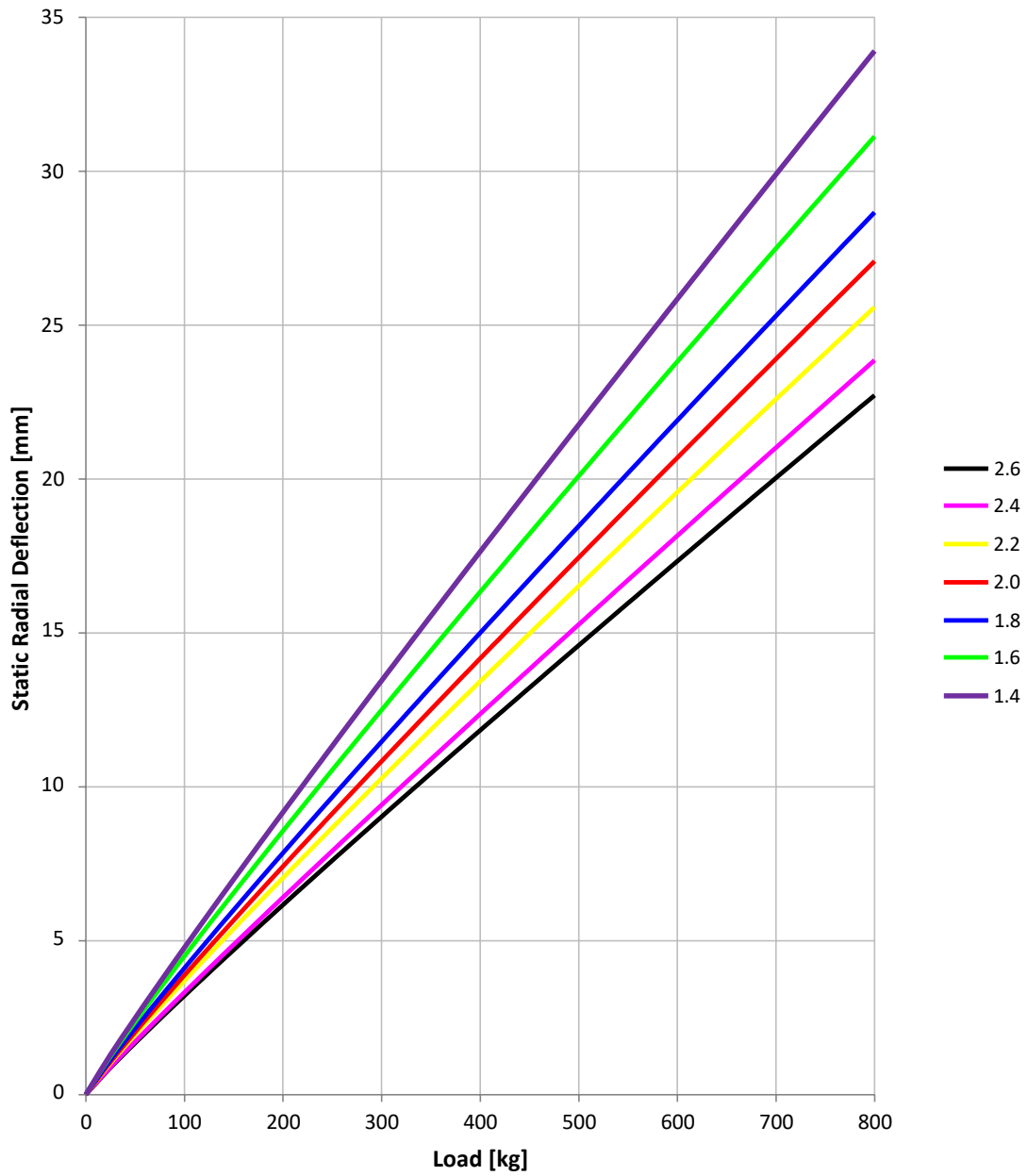


STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA 0.0 ° DH

| 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



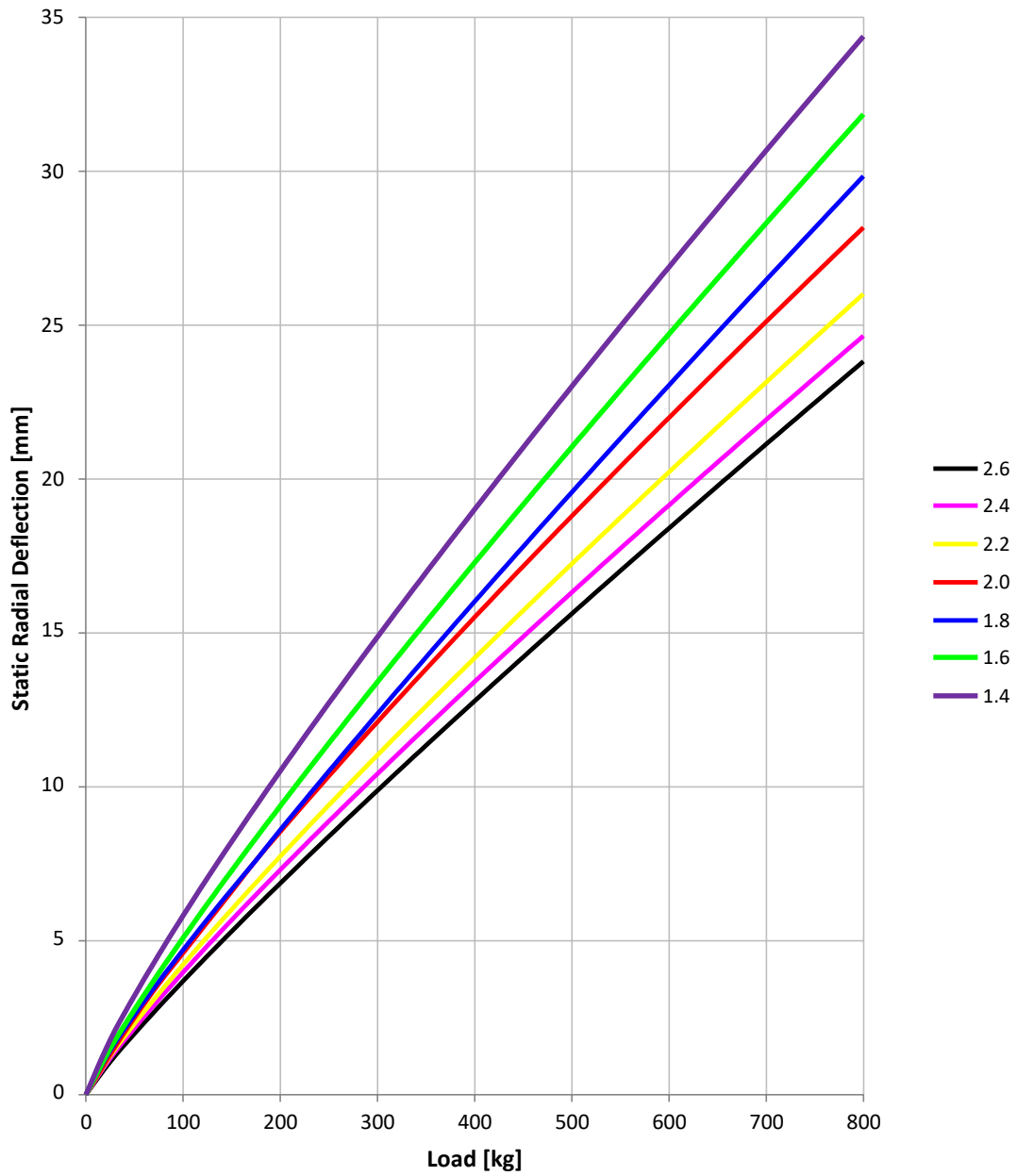


STATIC RADIAL DEFLECTION – 265/645-18x9.5J @ CA -3.0 ° DH

| 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°

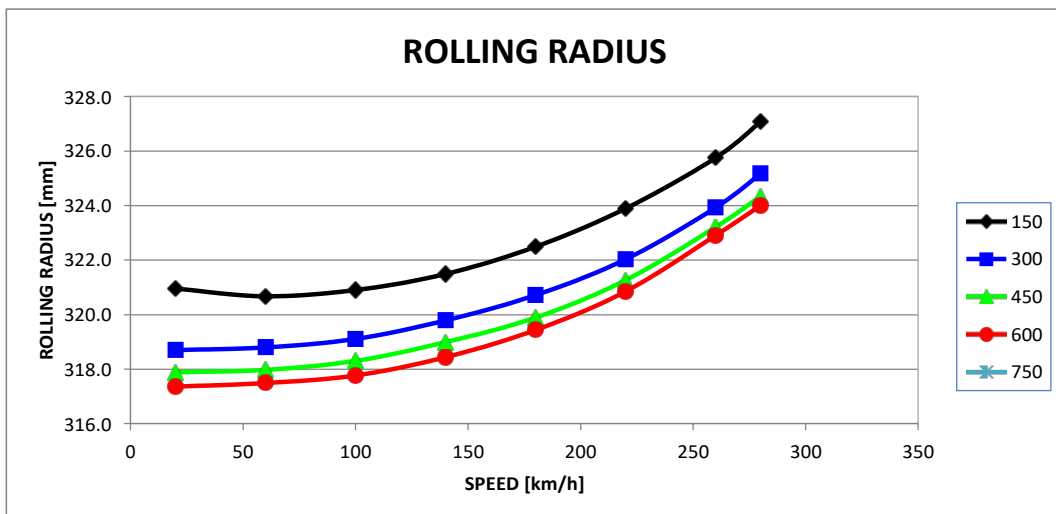
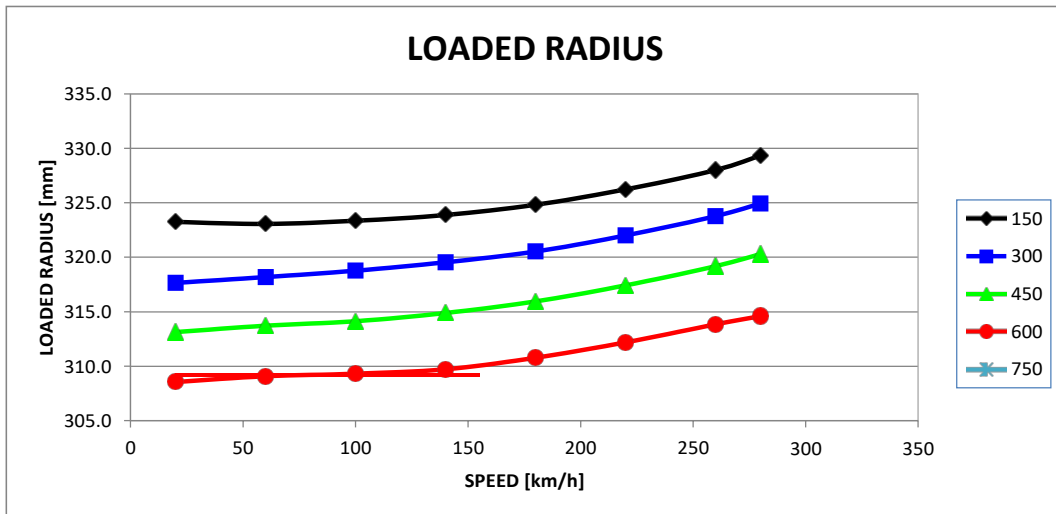
275/645-18x10.0J DH

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 | | | | | |



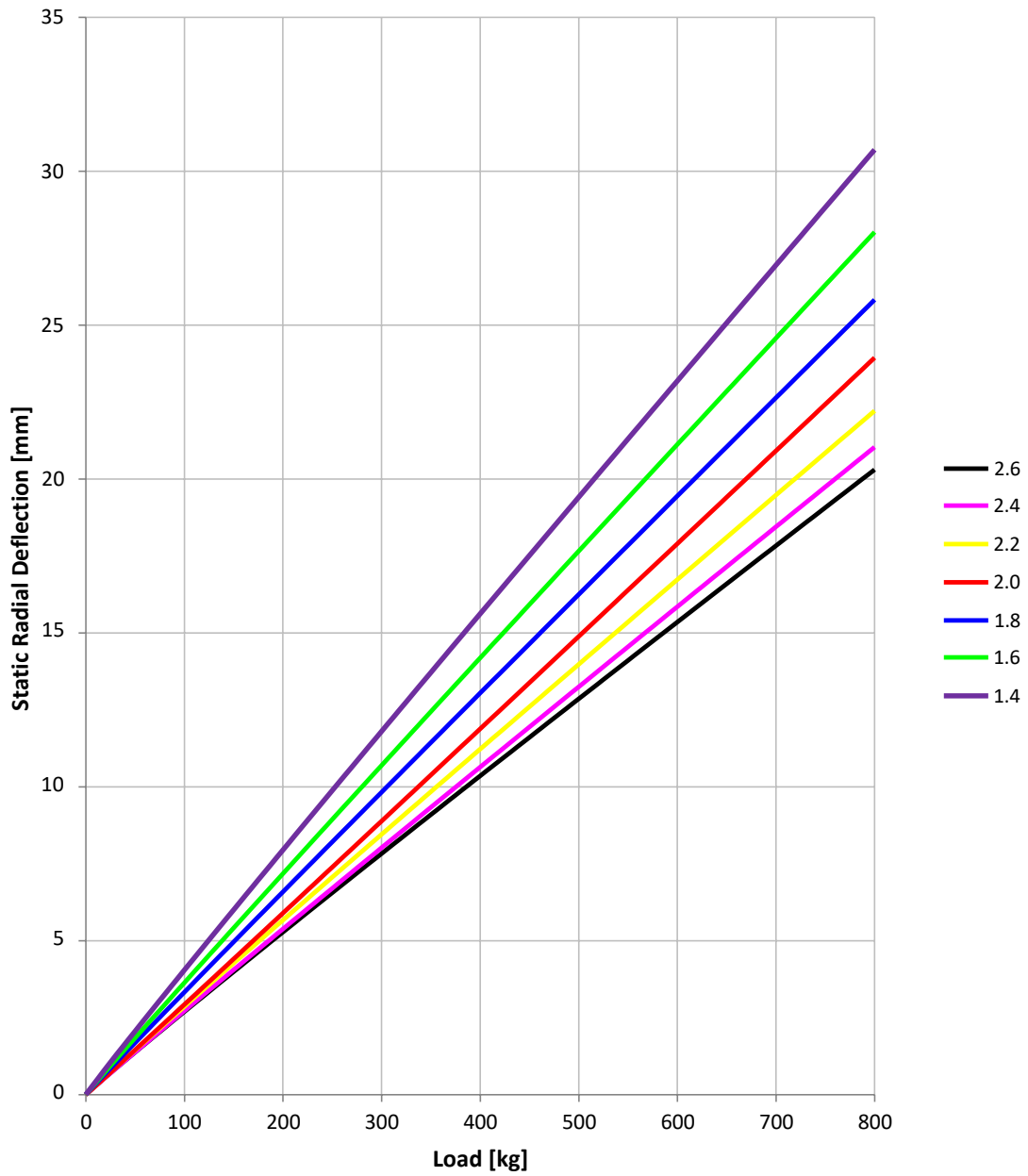


STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA 0.0 ° DH

| 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



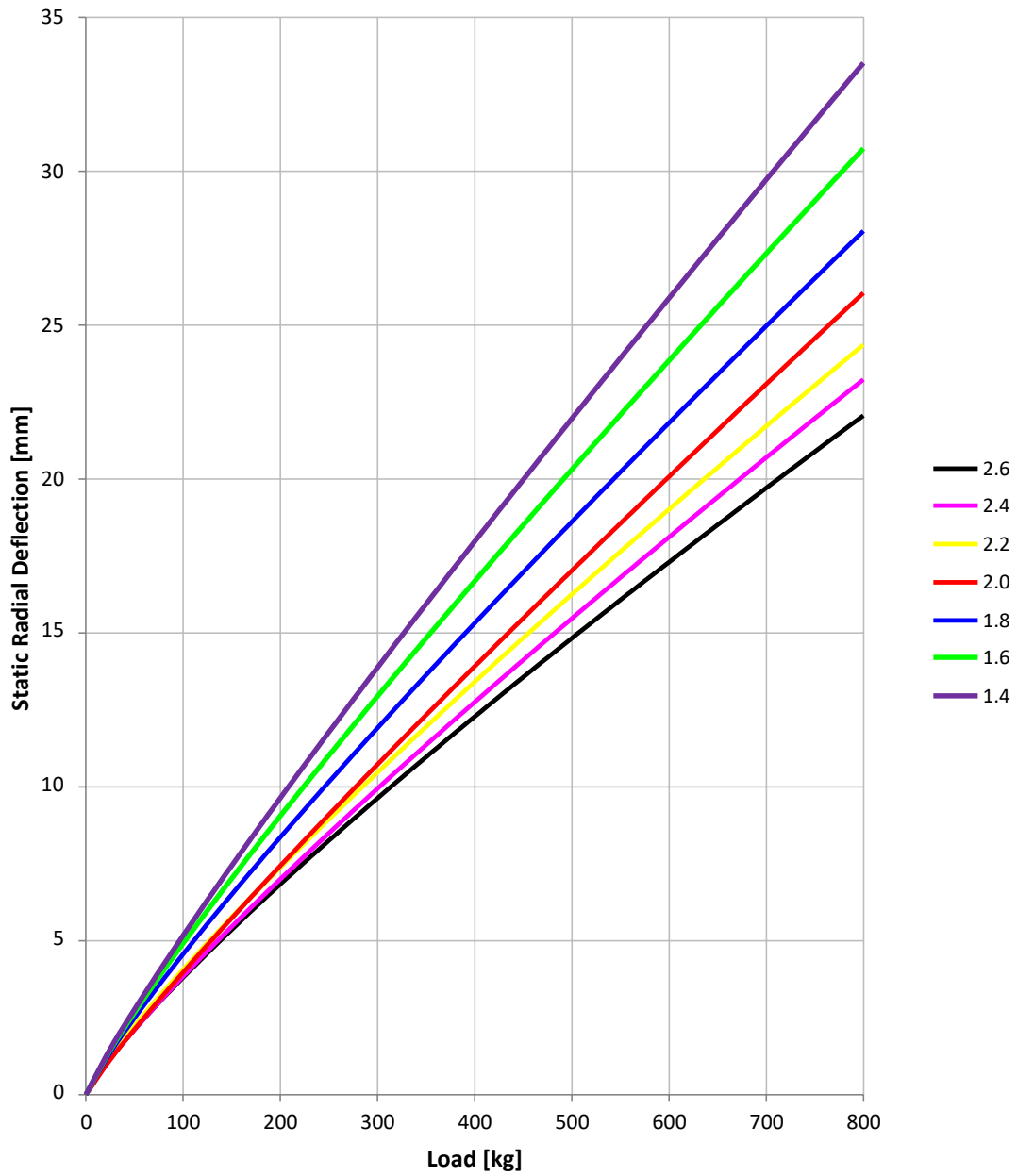


STATIC RADIAL DEFLECTION – 275/645-18x10.0J @ CA -3.0 ° DH

| 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°

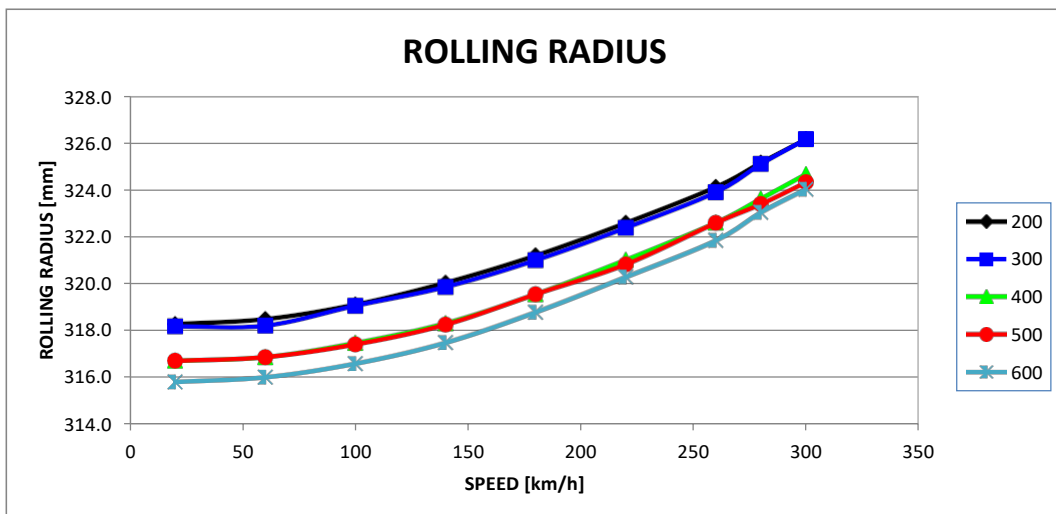
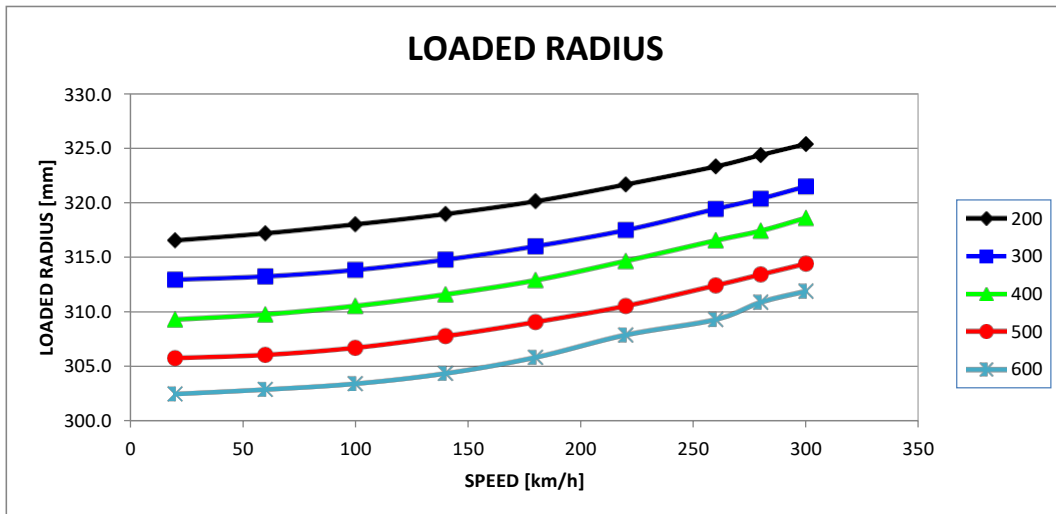
285/645-18x11.0J DH

LOADED RADIUS

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

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



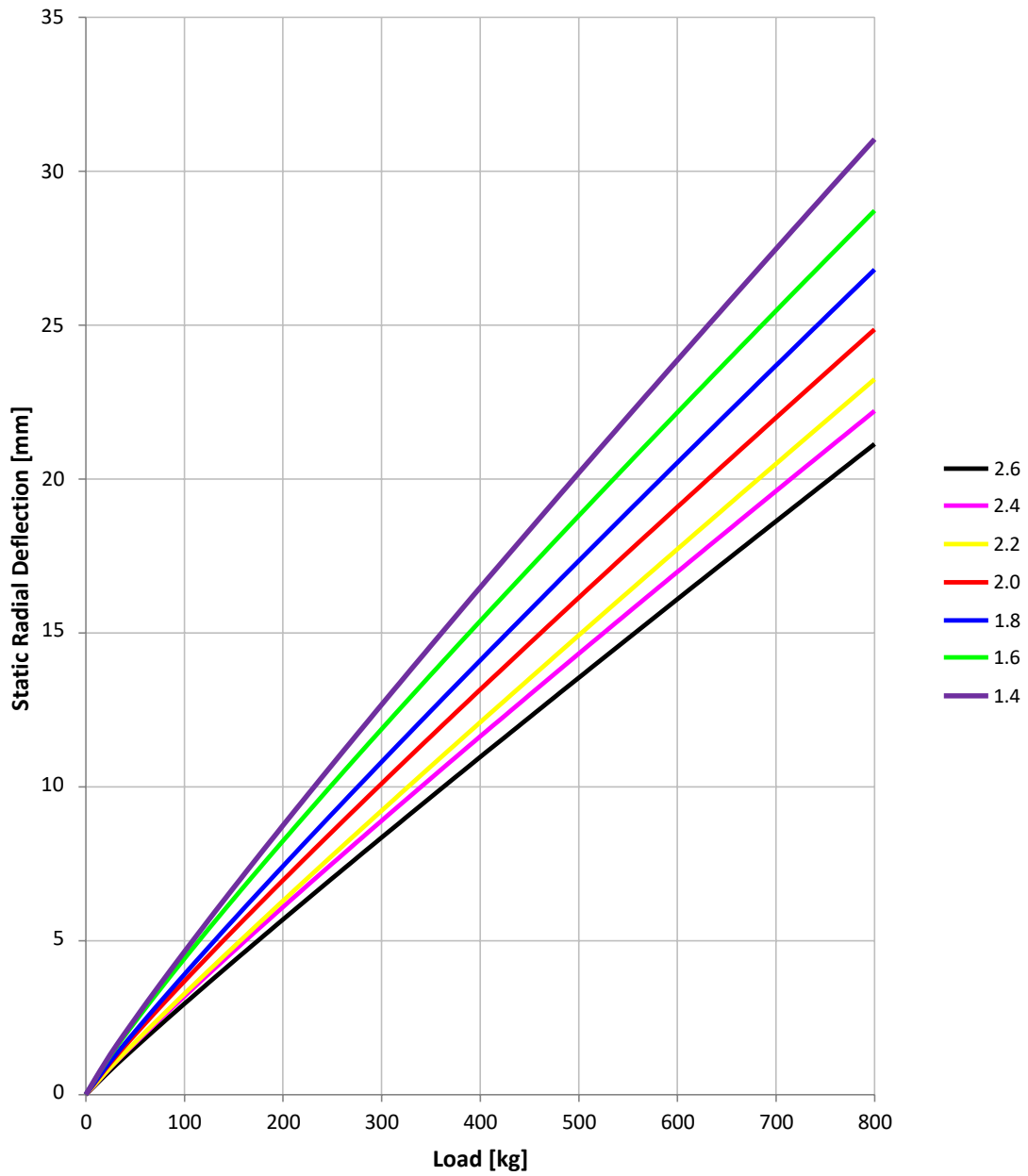


STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA 0.0 ° DH

| 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



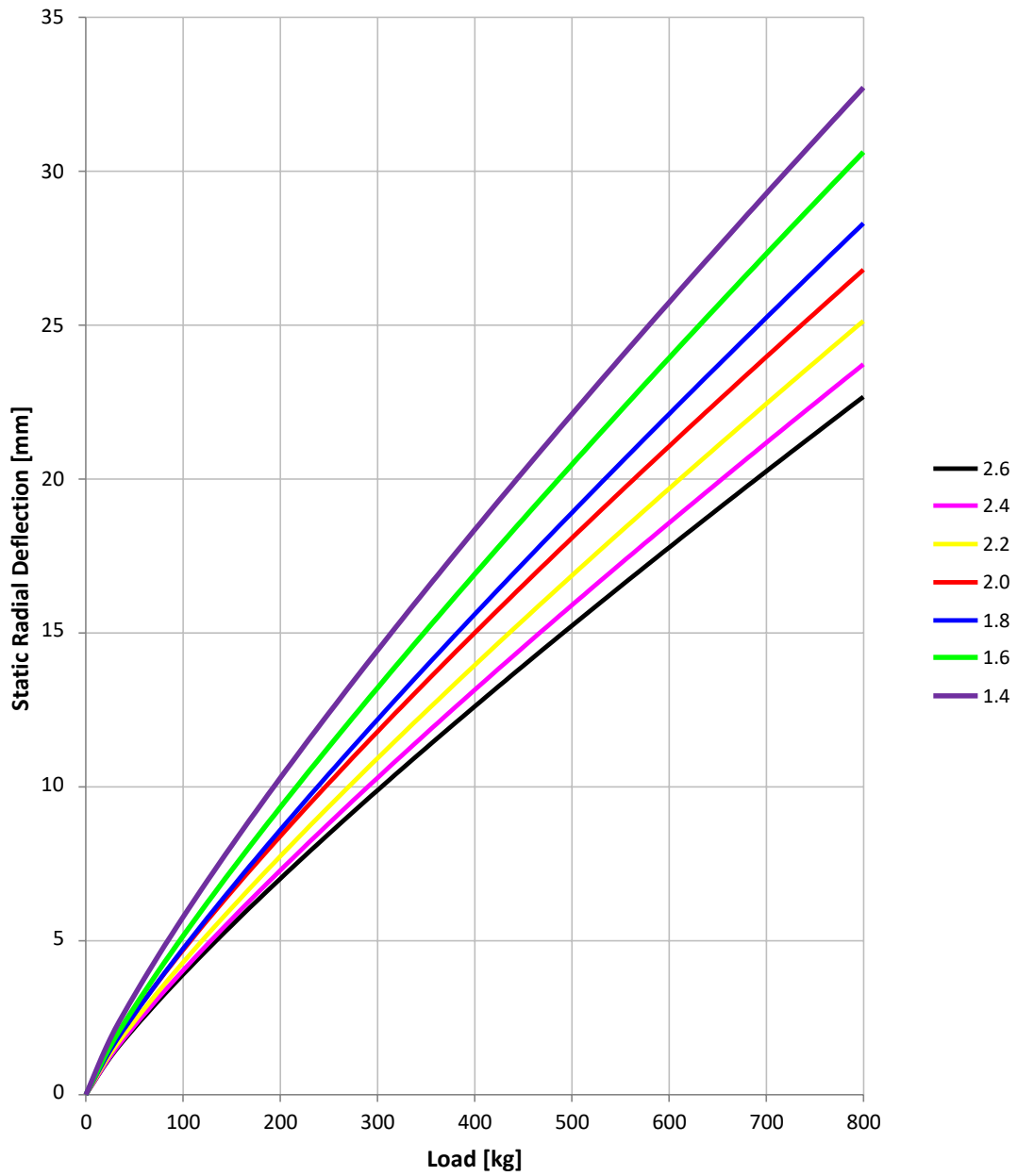


STATIC RADIAL DEFLECTION – 285/645-18x11.0J @ CA -3.0 ° DH

| 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°

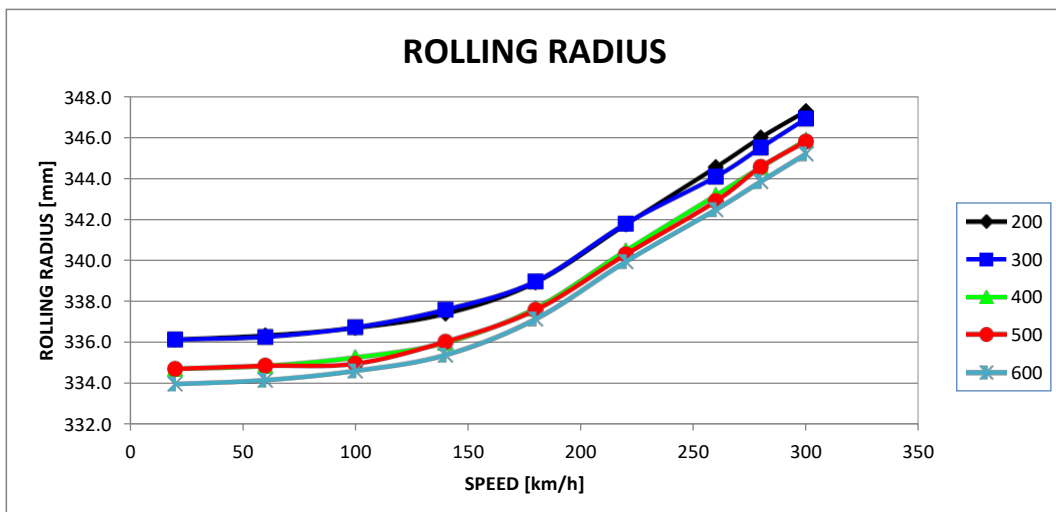
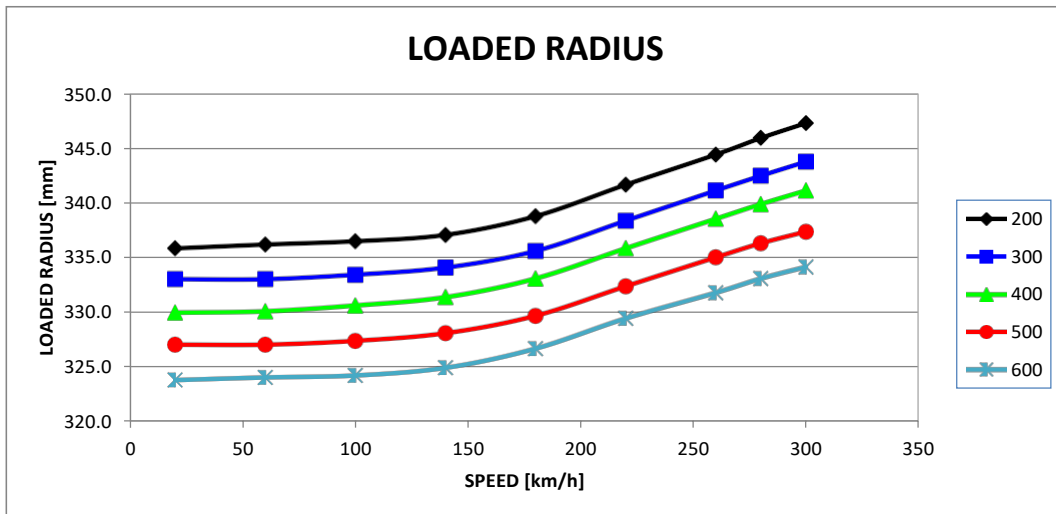
305/680-18x11.0J DH

LOADED RADIUS

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

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



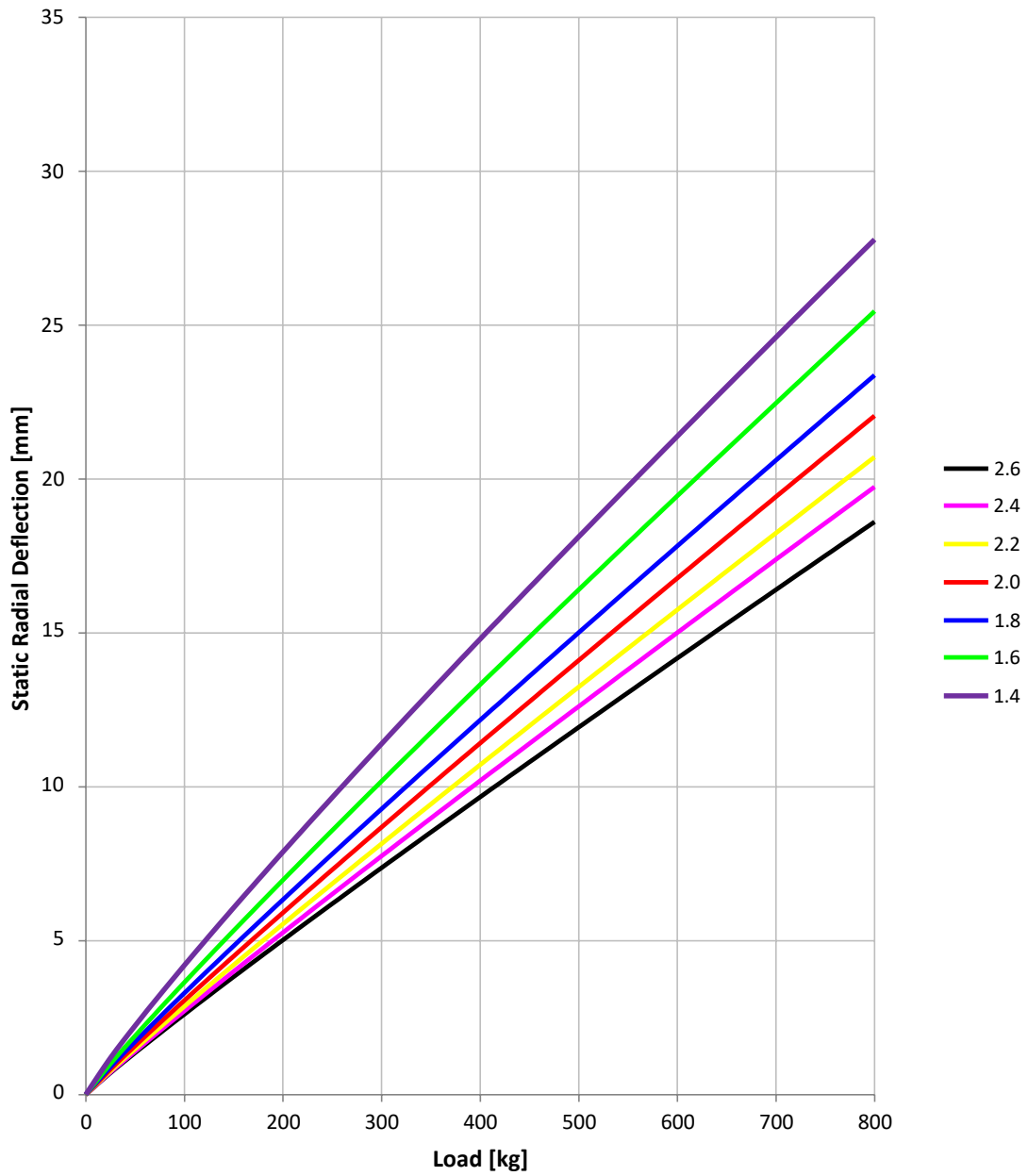


STATIC RADIAL DEFLECTION – 305/680-18x11.0J @ CA 0.0 ° DH

| 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



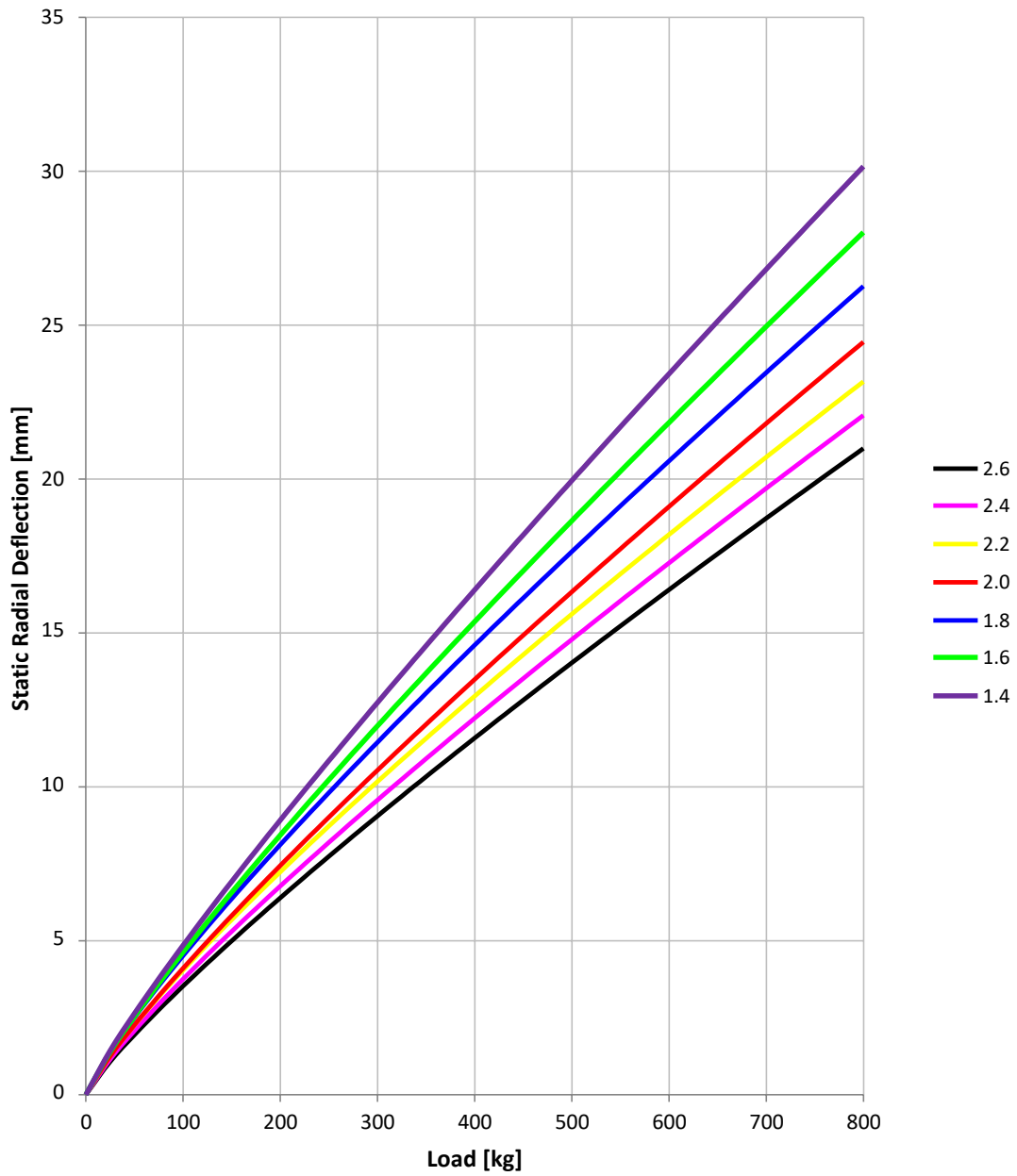


STATIC RADIAL DEFLECTION – 305/680-18x11.0J @ CA -3.0 ° DH

| 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°

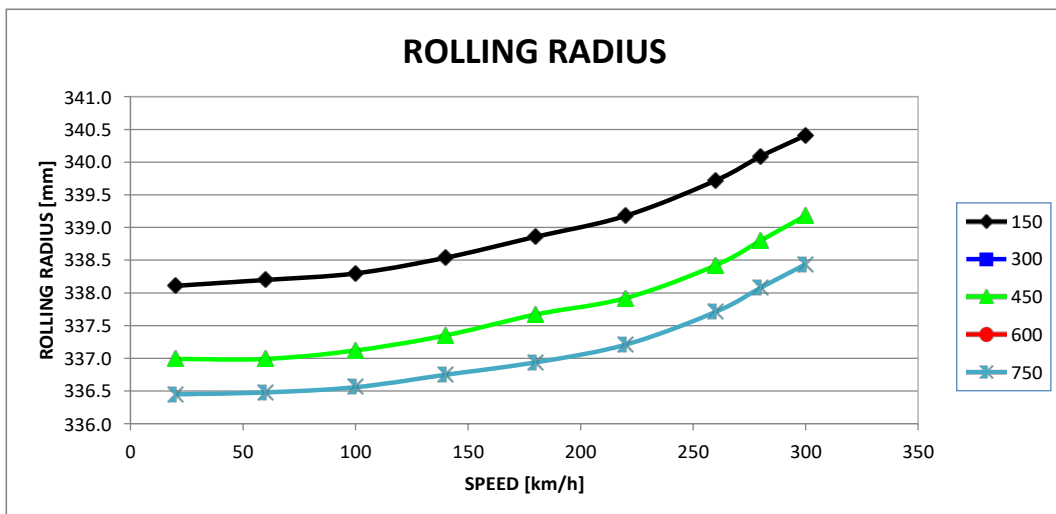
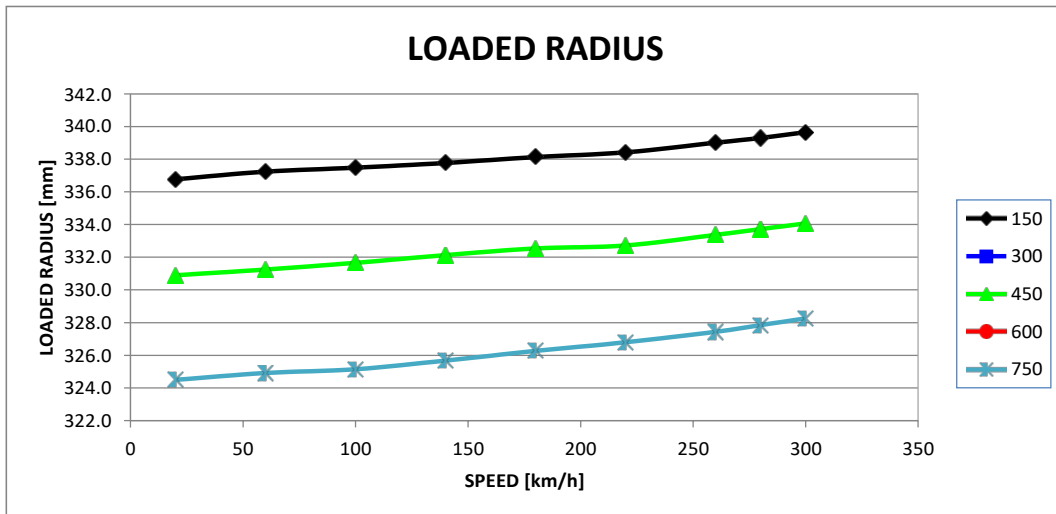
315/680-18x12.0J DH

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 |



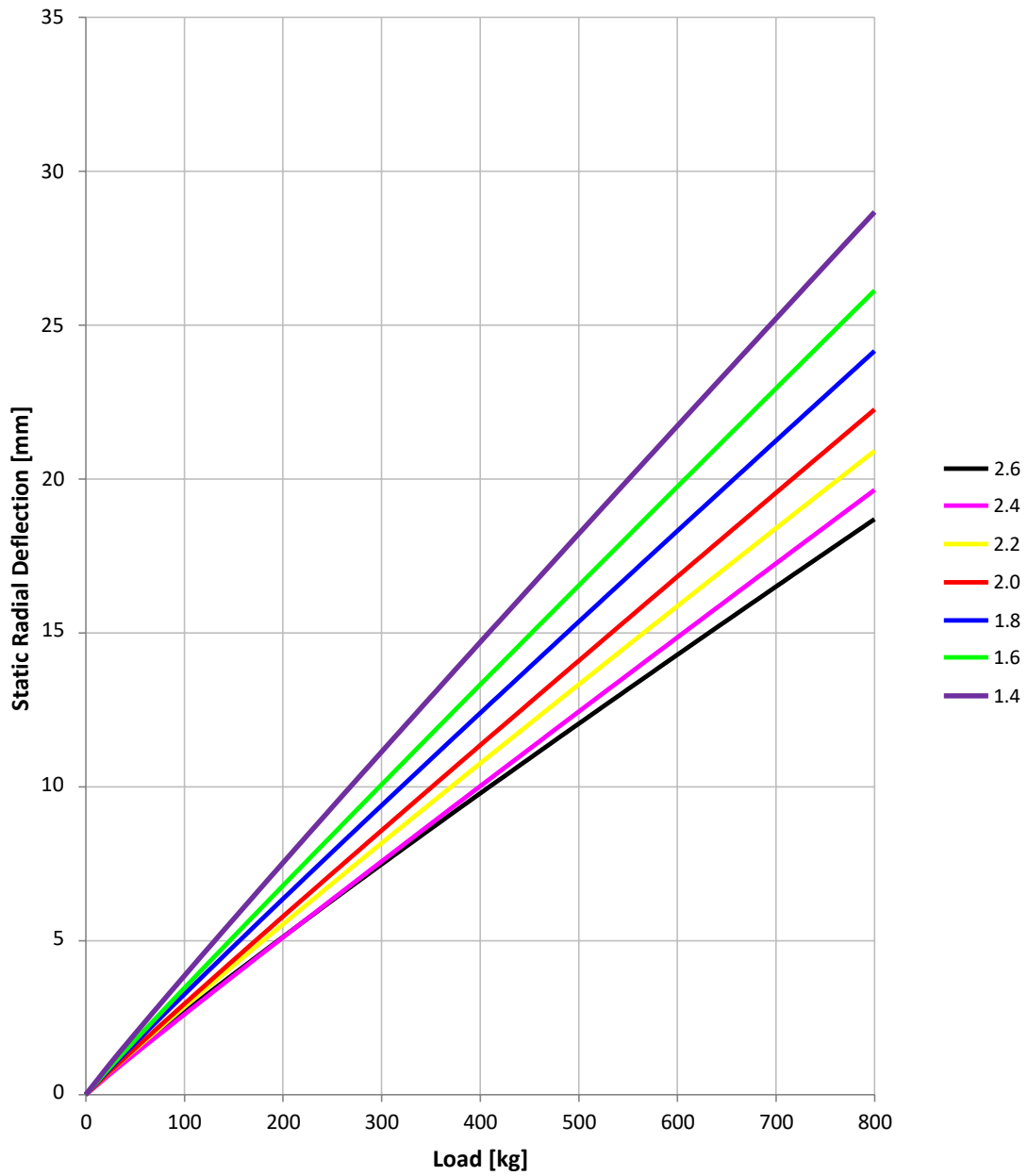


STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ CA 0.0 ° DH

| 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



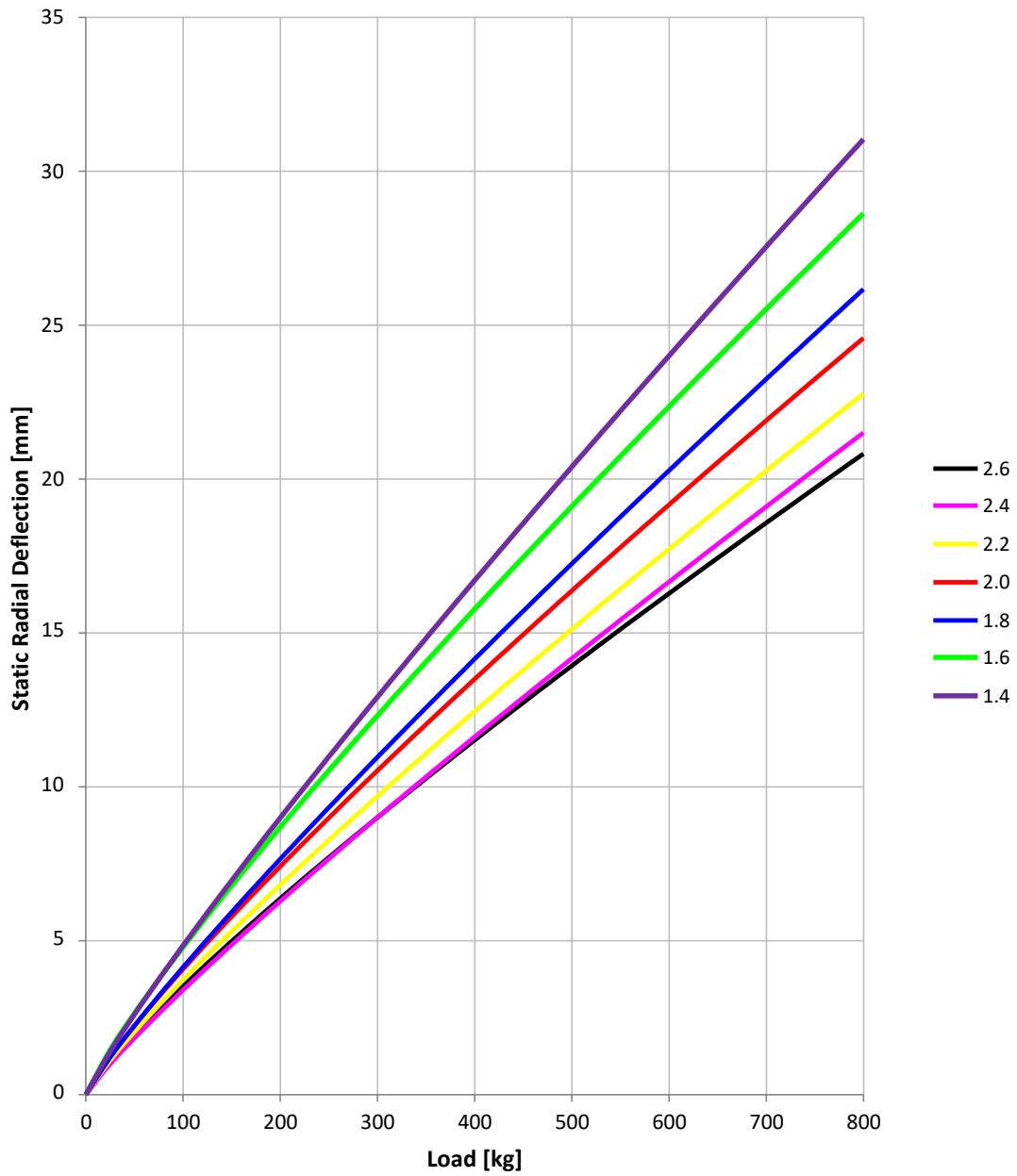


STATIC RADIAL DEFLECTION – 315/680-18x12.0J @ CA -3.0 ° DH

| 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°

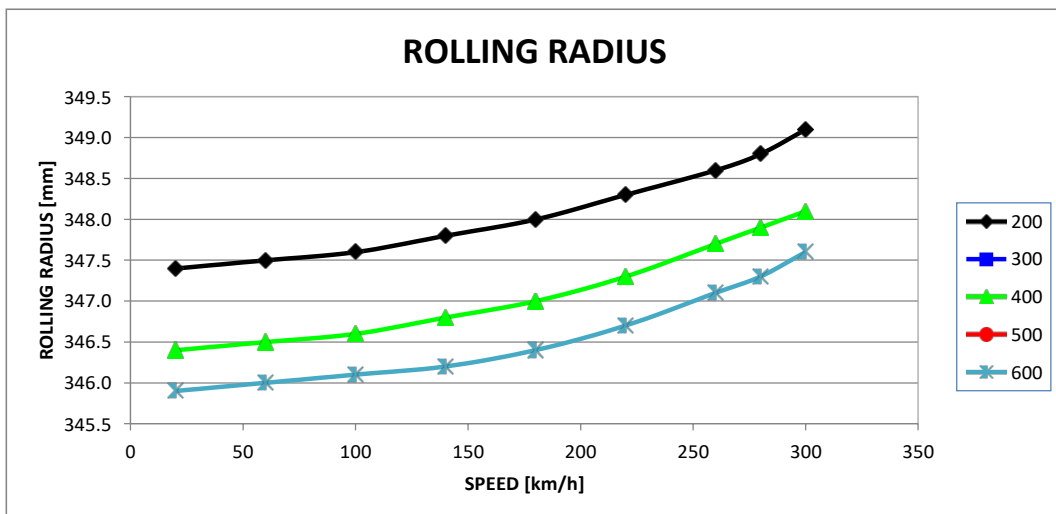
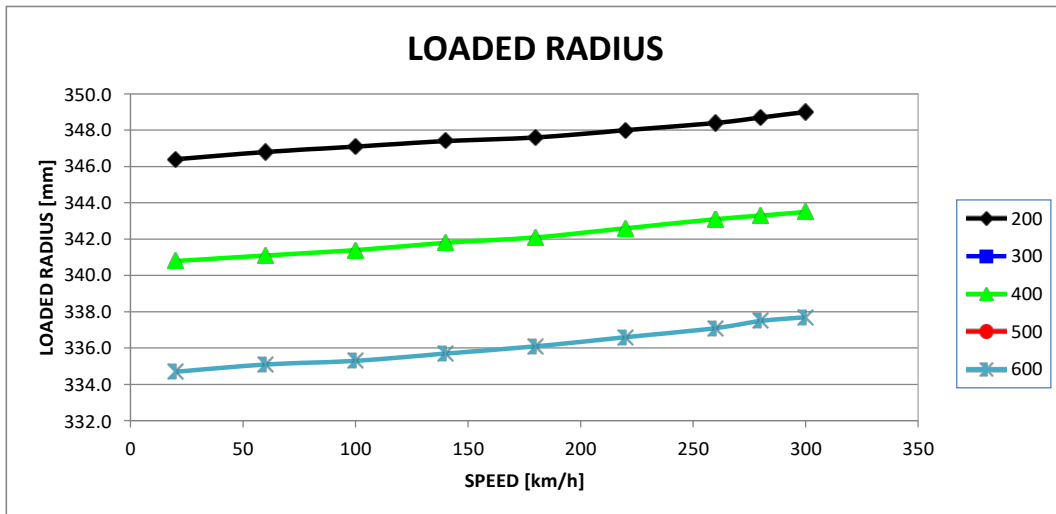
325/705-18x12.5J DH

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 | | 343.1 | | 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 |



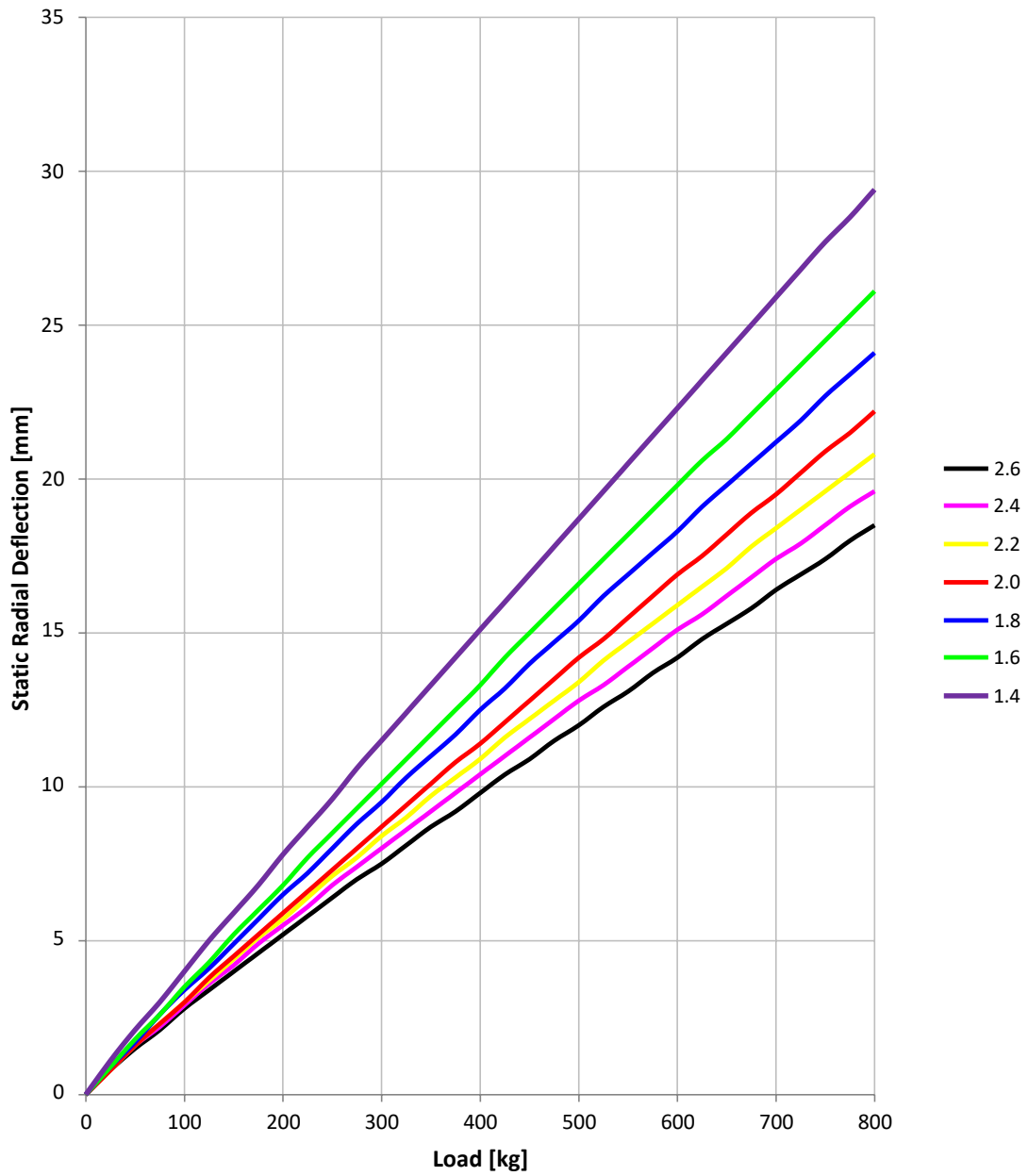


STATIC RADIAL DEFLECTION – 325/705-18x12.5J @ CA 0.0 ° DH

| 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

