



TYRE DATA BOOKLET

325/705-18 DHF
325/705-18 WHA
2022

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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°

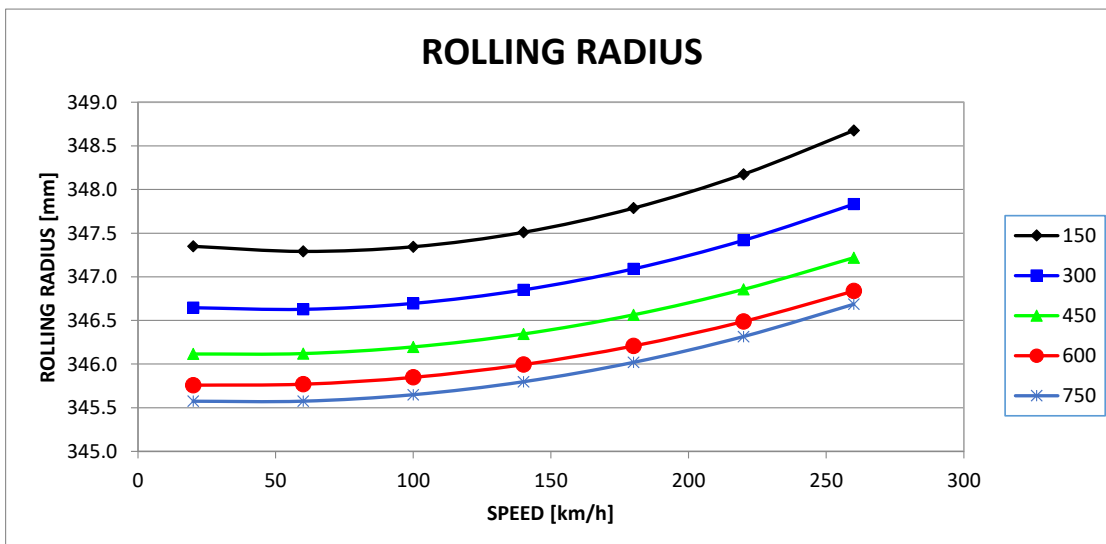
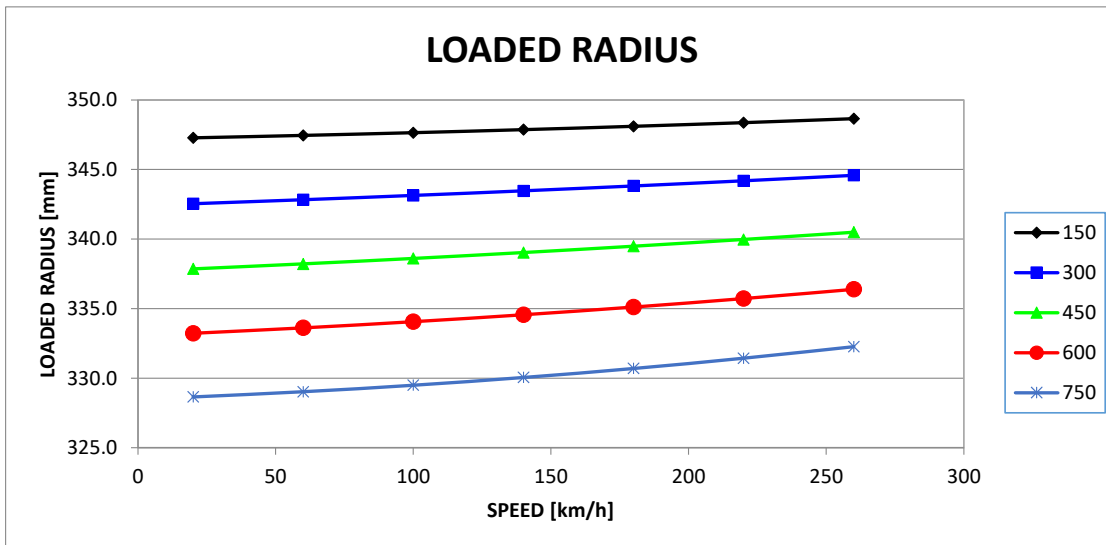
325/705-18x13.0J DHF

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°

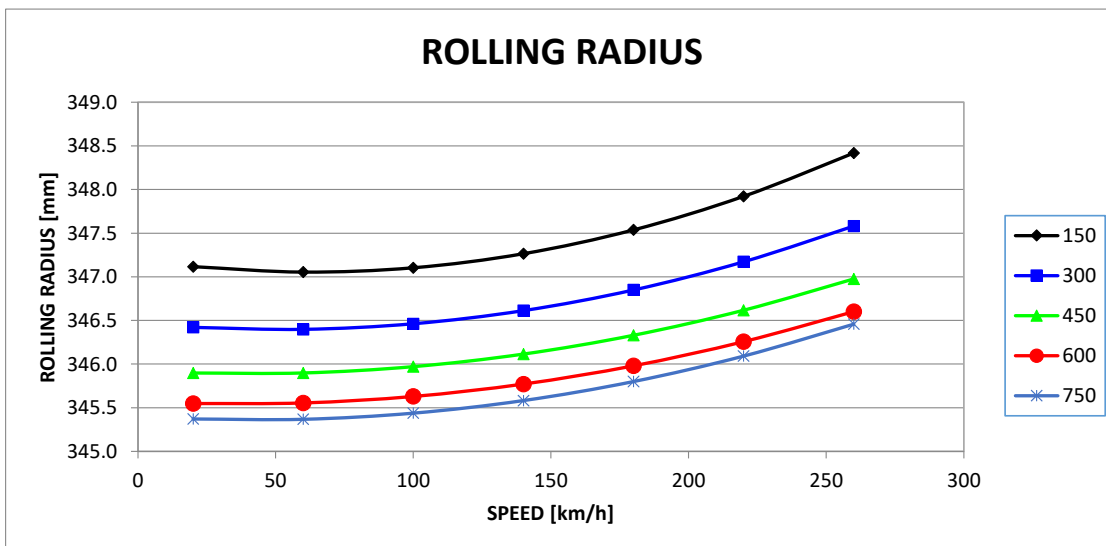
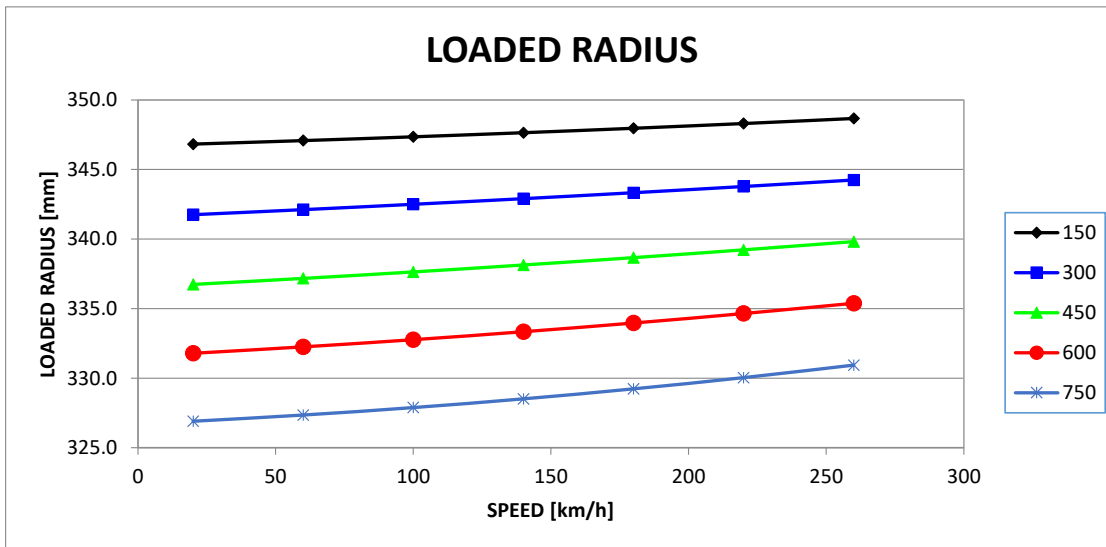
325/705-18x13.0J DHF

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°

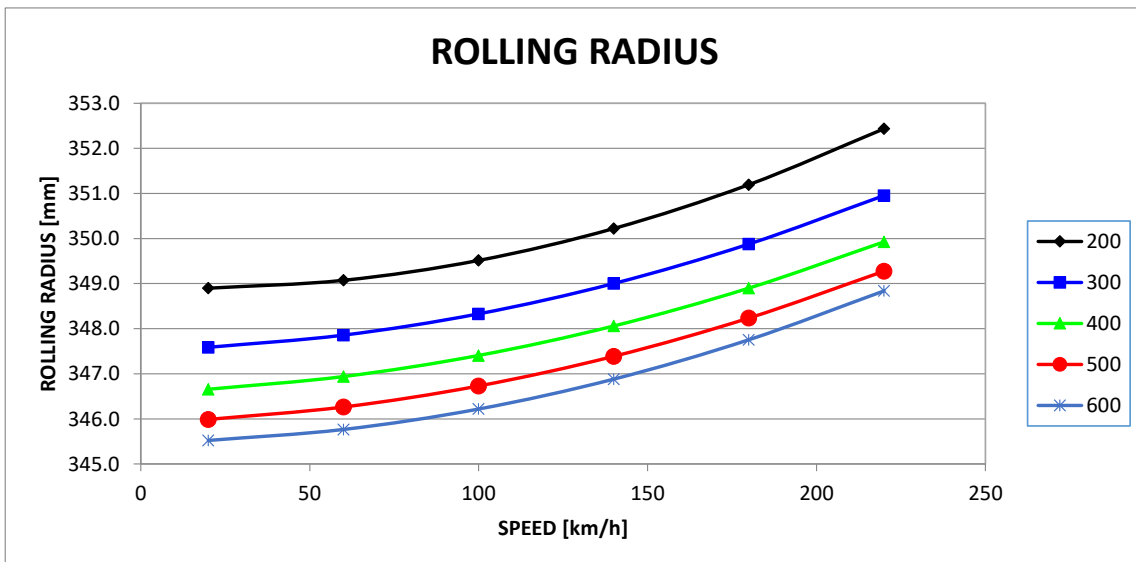
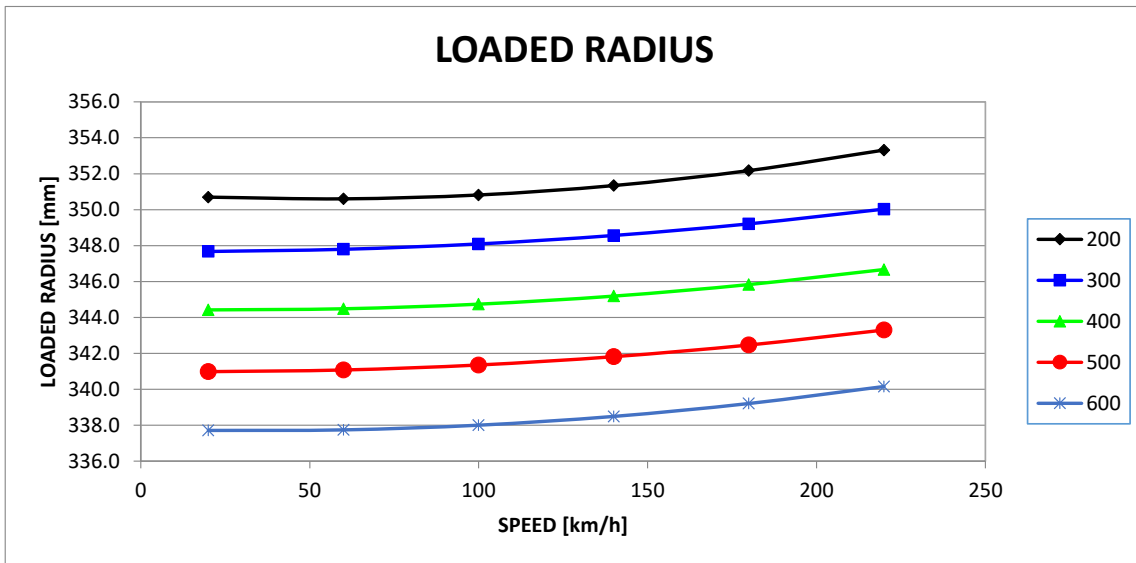
325/705-18x13.0 WHA

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 |



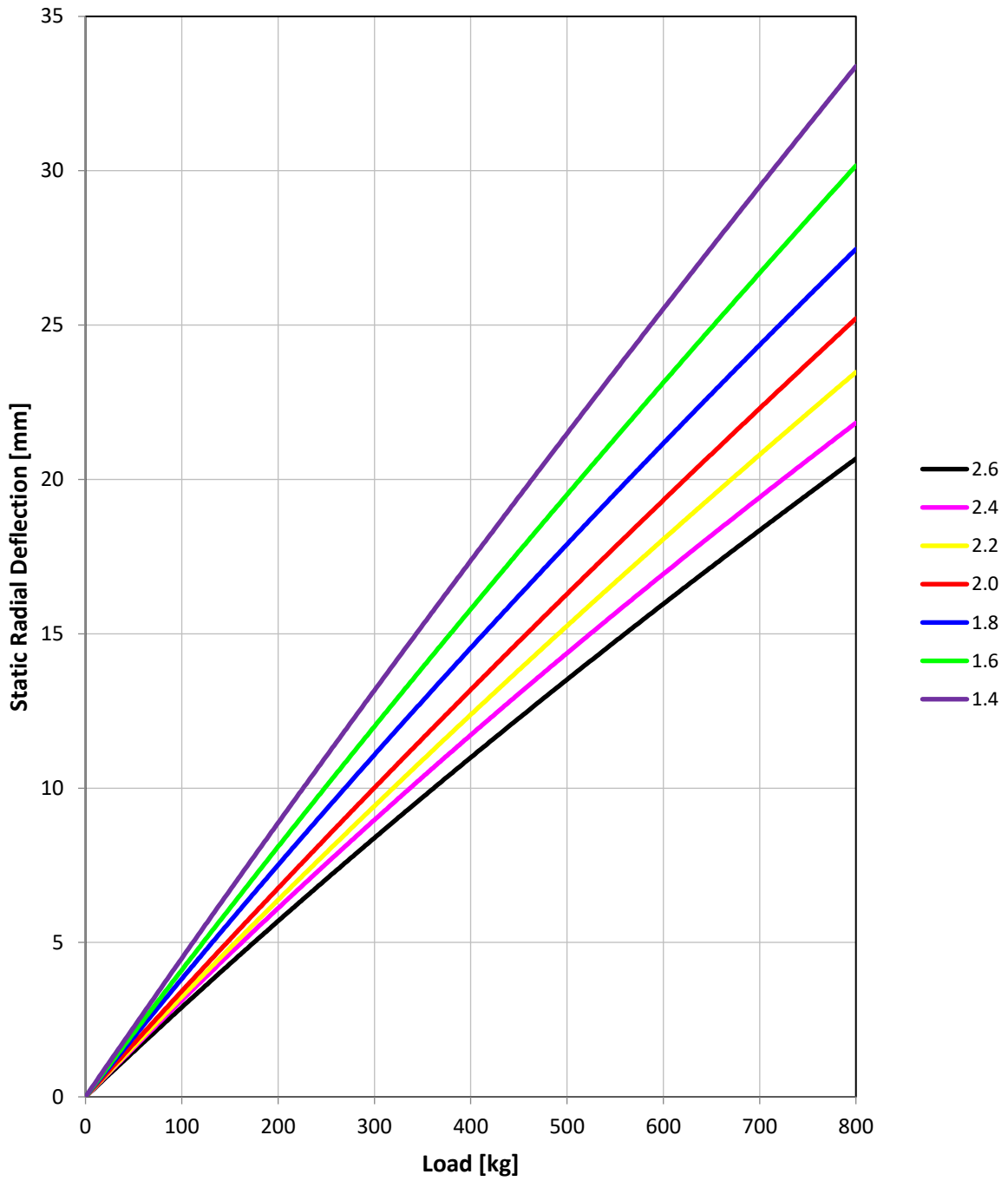


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0 ° DHF

| 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



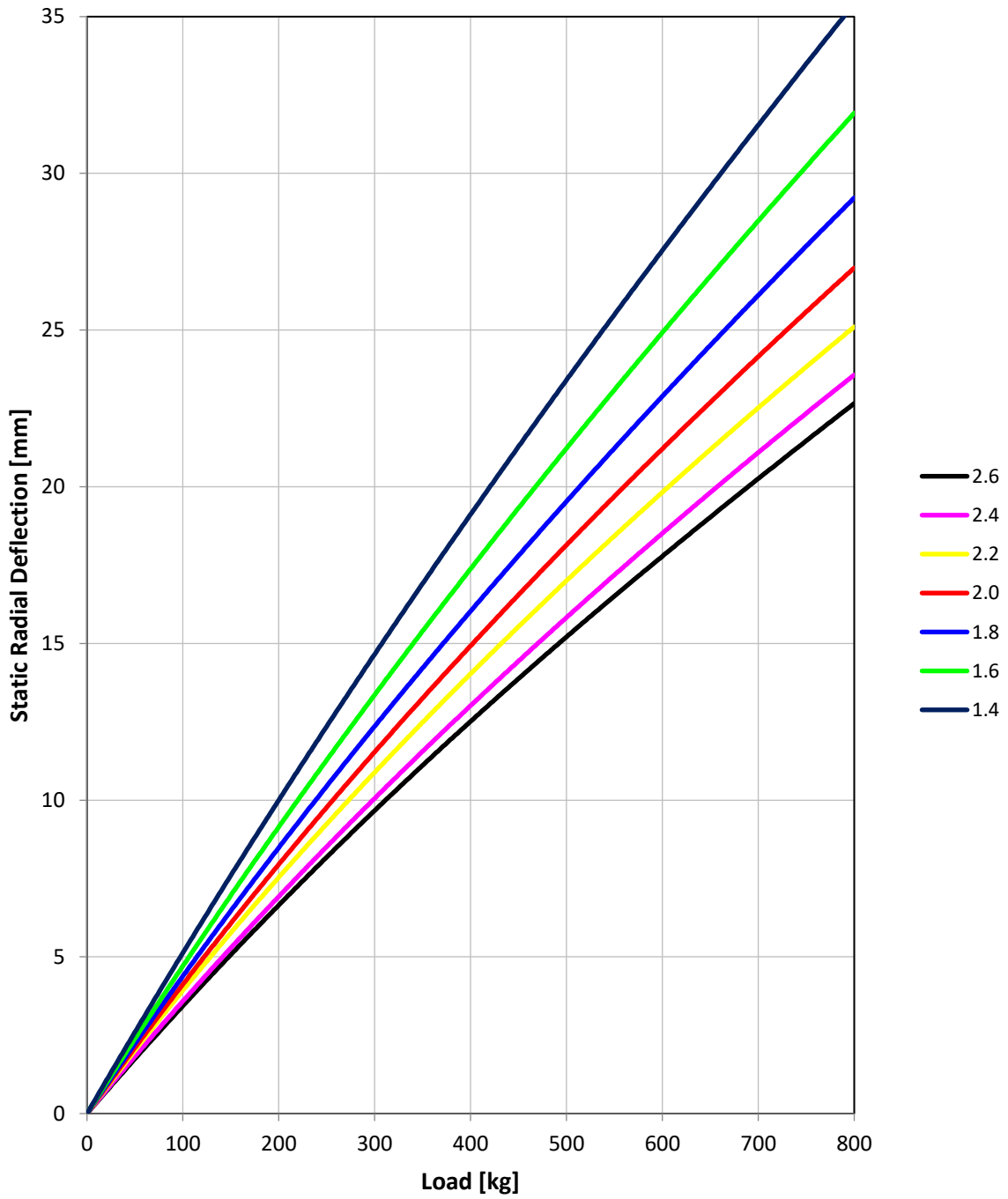


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA -3.0 ° DHF

| 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



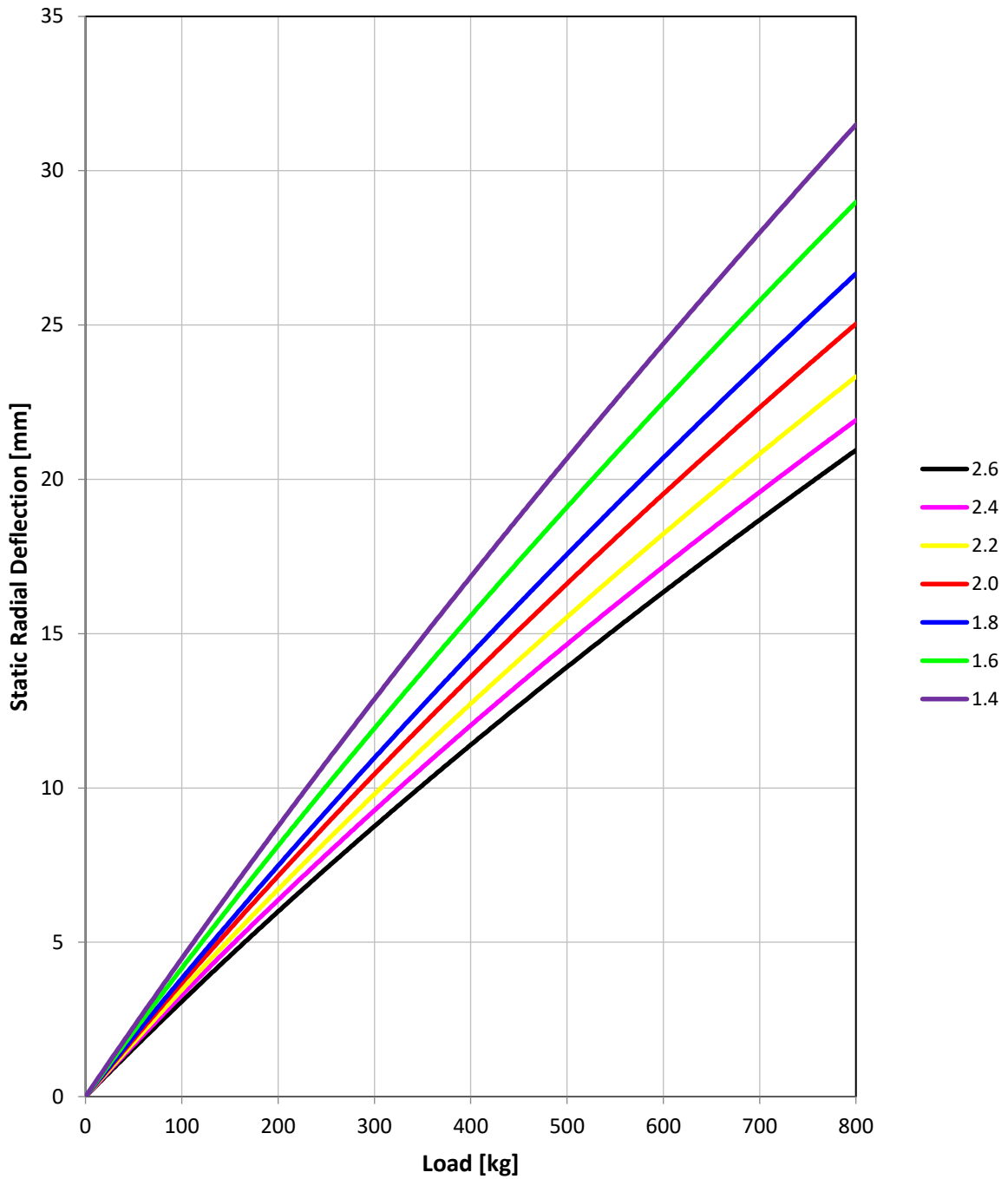


STATIC RADIAL DEFLECTION – 325/705-18x13.0J @ CA 0.0 ° WHA

| 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

