

# Hankook Racing Tire Technical Data

for Lamborghini Super Trofeo Cup

# Tech data - 300/660R18

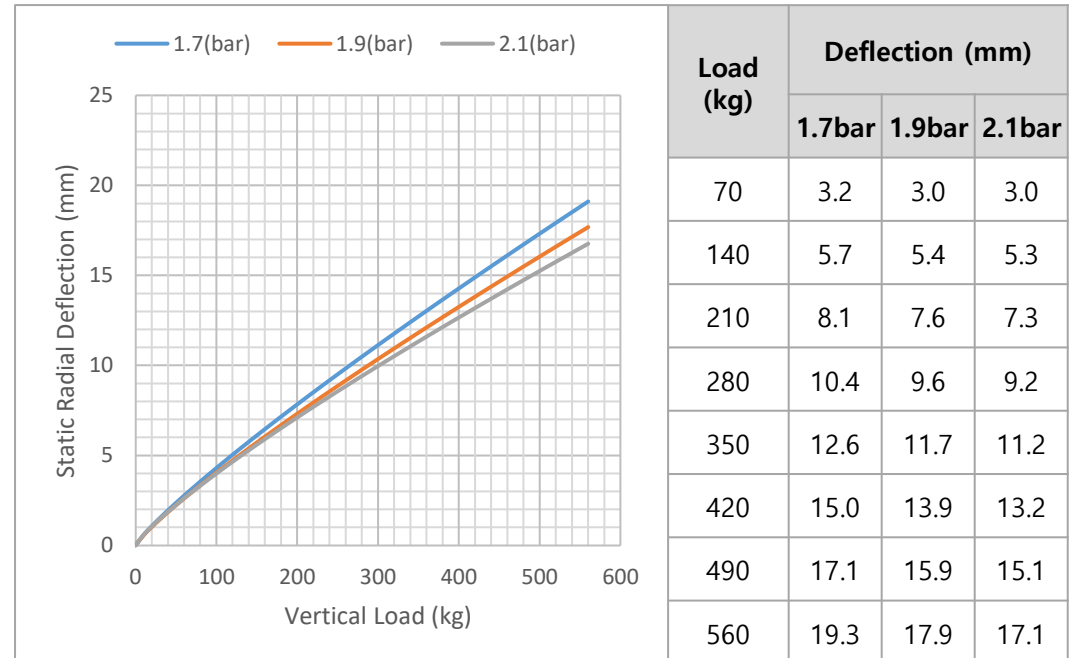
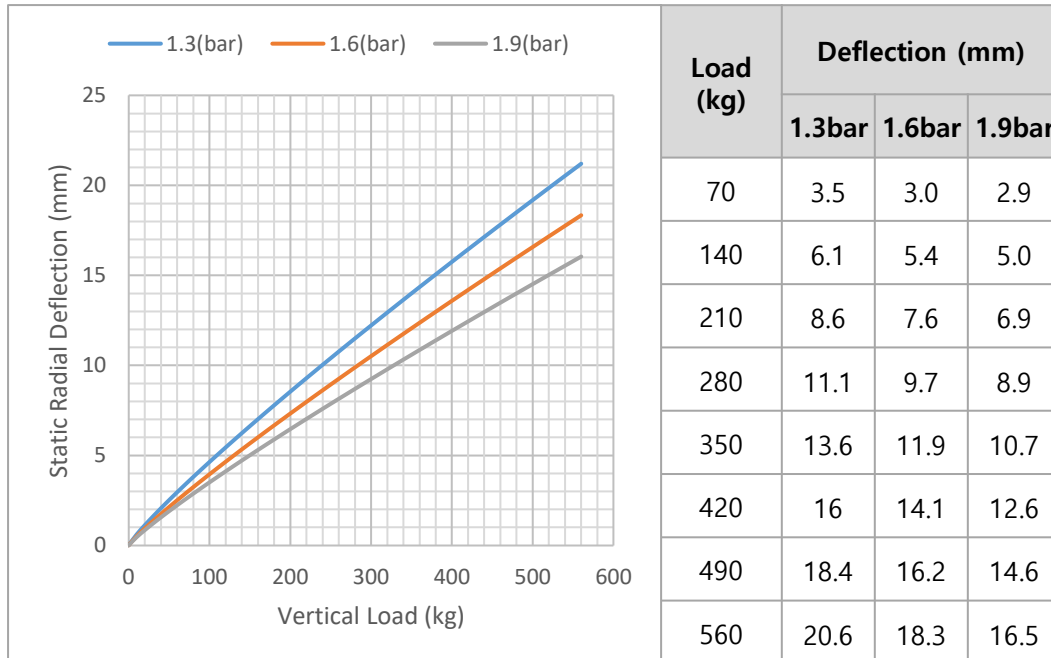


Size		Pattern	Measured		Rim Width		Overall Diameter	Section Width	Static Loaded Radius	Tread Width	Tread Depth
			Pressure	Load	Recommend	Optimum					
			[ bar ]	[ kg ]	[ inch ]	[ inch ]					
L54	300/660R18	F200	1.9	350	11.5~12.5J	12.0J	661	321	319.8	300	3.5
W52	300/660R18	Z207	2.1	350	11.5~12.5J	12.0J	654	325	316.3	300	6.2

## Static Radial Deflection (Vertical Stiffness) - Camber 0°

Pattern	F200
Test Rim Width	12.0 J

Pattern	Z207
Test Rim Width	12.0 J



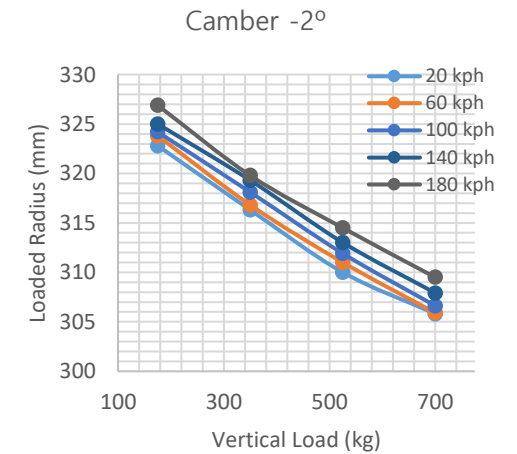
# Tech data - 300/660R18



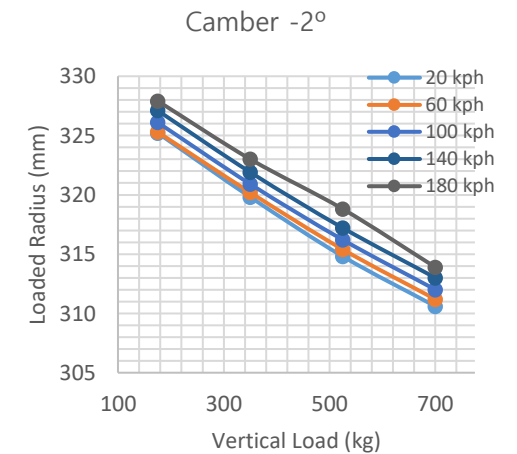
## Dynamic Radial Deflection (Dynamic Loaded Radius)

Pattern	F200	Test Rim Width	12.0 J
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Air Pressure 1.4 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	304.9	309.4	316.0	322.6	305.8	310.0	316.3	322.8	306.3	310.8	316.8	324.0	
40	304.9	309.8	316.1	322.7	305.8	310.5	316.4	323.4	306.6	311.0	316.7	323.8	
60	305.1	310.2	316.3	322.9	305.9	311.0	316.8	323.8	306.9	311.3	316.8	323.8	
80	305.5	310.6	316.7	323.2	306.2	311.4	317.4	324.0	307.1	311.7	317.2	324.1	
100	306.0	311.2	317.2	323.6	306.6	311.9	318.1	324.2	307.5	312.2	317.6	324.5	
120	306.6	311.8	317.8	324.0	307.2	312.4	318.8	324.5	307.9	312.7	318.2	325.1	
140	307.2	312.4	318.3	324.5	307.9	313.0	319.3	325.0	308.6	313.3	318.9	325.7	
160	307.9	313.2	318.9	324.9	308.6	313.7	319.7	325.7	309.4	313.9	319.5	326.3	
180	308.6	314.0	319.5	325.4	309.5	314.5	319.8	326.9	310.6	314.5	320.2	326.8	



Air Pressure 1.9 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	310.5	314.9	319.8	324.7	310.6	314.8	319.8	325.2	311.4	315.5	320.5	326.9	
40	310.7	314.9	319.8	324.8	310.8	315.1	320.0	325.1	311.3	315.6	320.4	327.0	
60	310.9	315.2	320.0	325.1	311.2	315.4	320.2	325.3	311.5	315.8	320.6	327.1	
80	311.1	315.7	320.4	325.4	311.6	315.8	320.5	325.6	311.9	316.1	320.9	327.4	
100	311.4	316.2	320.8	325.7	312.0	316.2	320.9	326.1	312.4	316.5	321.3	327.7	
120	311.8	316.8	321.3	326.1	312.5	316.7	321.4	326.6	312.9	317.0	321.8	328.0	
140	312.3	317.4	321.8	326.4	313.0	317.2	321.9	327.1	313.5	317.5	322.4	328.4	
160	312.9	317.8	322.3	326.9	313.5	317.9	322.4	327.6	314.0	318.1	322.9	328.9	
180	313.8	318.2	322.7	327.3	313.9	318.8	323.0	327.9	314.4	318.7	323.5	329.4	



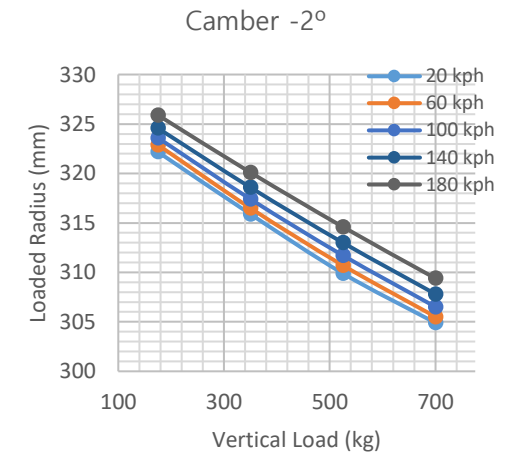
# Tech data - 300/660R18



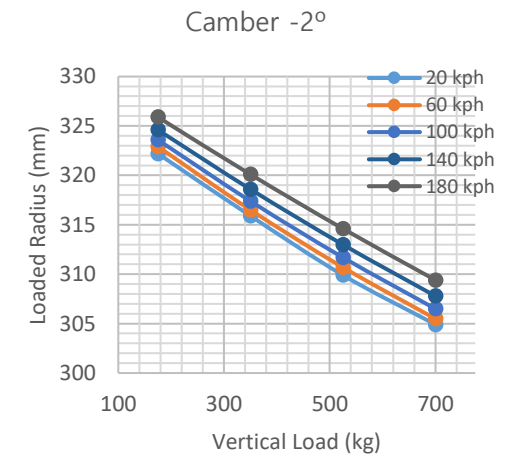
## Dynamic Radial Deflection (Dynamic Loaded Radius)

Pattern	Z207	Test Rim Width	12.0 J
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Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	304.5	309.6	315.7	321.7	304.9	309.9	315.9	322.2	305.0	310.3	316.6	323.7
40	304.9	310.1	315.9	322.0	305.2	310.3	316.2	322.5	305.3	310.5	316.9	323.9
60	305.3	310.5	316.3	322.3	305.5	310.7	316.5	322.9	305.6	310.9	317.2	324.2
80	305.8	311.0	316.7	322.6	306.0	311.2	316.9	323.2	306.1	311.4	317.6	324.6
100	306.3	311.5	317.1	323.0	306.5	311.7	317.4	323.6	306.6	311.9	318.1	325.0
120	306.9	312.1	317.7	323.4	307.1	312.3	317.9	324.0	307.2	312.6	318.7	325.5
140	307.6	312.8	318.3	323.9	307.8	313.0	318.6	324.6	307.9	313.3	319.3	326.0
160	308.3	313.6	319.0	324.5	308.6	313.8	319.3	325.2	308.6	314.0	320.1	326.6
180	309.2	314.4	319.7	325.2	309.4	314.6	320.1	325.9	309.5	314.9	320.9	327.3



Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	307.4	312.3	317.5	323.0	307.5	312.5	317.7	323.6	307.8	312.8	318.6	325.0
40	307.8	312.6	317.8	323.2	307.9	312.8	318.0	323.8	308.1	313.1	318.8	325.2
60	308.2	313.0	318.1	323.5	308.3	313.1	318.3	324.0	308.5	313.5	319.2	325.5
80	308.7	313.4	318.5	323.8	308.7	313.5	318.7	324.3	308.9	313.9	319.5	325.8
100	309.2	313.9	318.9	324.1	309.2	314.0	319.2	324.7	309.4	314.4	320.0	326.2
120	309.7	314.5	319.4	324.5	309.8	314.6	319.6	325.2	310.0	315.0	320.6	326.6
140	310.4	315.1	320.0	325.0	310.5	315.2	320.2	325.7	310.7	315.6	321.2	327.1
160	311.0	315.8	320.6	325.5	311.2	315.9	320.9	326.2	311.4	316.3	321.8	327.7
180	311.8	316.5	321.3	326.1	311.9	316.7	321.6	326.8	312.2	317.1	322.5	328.4



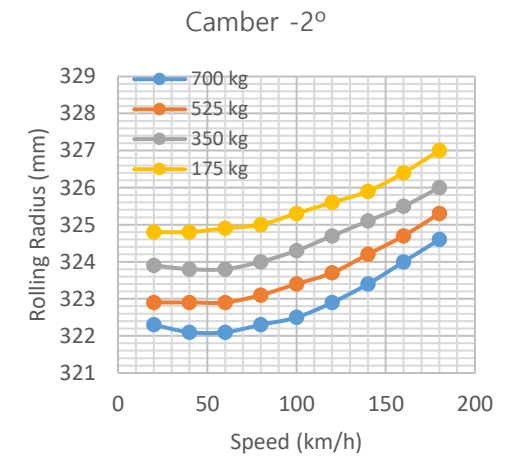
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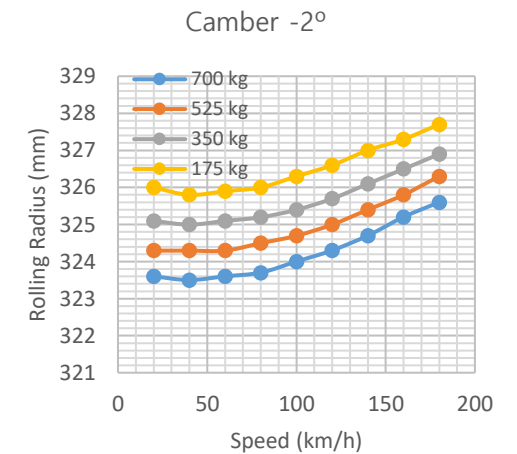
## Effective Rolling Radius (Dynamic Rolling Radius)

Pattern		F200				Test Rim Width				12.0 J			
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Air Pressure 1.4 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	322.0	322.8	323.9	325.1	322.3	322.9	323.9	324.8	322.3	322.9	323.5	324.0	
40	321.9	322.7	323.7	325.0	322.1	322.9	323.8	324.8	322.2	322.8	323.4	323.9	
60	321.9	322.8	323.8	325.1	322.1	322.9	323.8	324.9	322.2	322.9	323.5	324.0	
80	322.0	323.0	323.9	325.2	322.3	323.1	324.0	325.0	322.4	323.1	323.7	324.1	
100	322.3	323.2	324.2	325.5	322.5	323.4	324.3	325.3	322.7	323.3	323.9	324.4	
120	322.6	323.6	324.6	325.8	322.9	323.7	324.7	325.6	323.1	323.7	324.3	324.7	
140	323.1	324.1	325.0	326.2	323.4	324.2	325.1	325.9	323.5	324.2	324.7	325.1	
160	323.7	324.6	325.5	326.7	324.0	324.7	325.5	326.4	324.1	324.7	325.2	325.6	
180	324.4	325.2	326.0	327.1	324.6	325.3	326.0	327.0	324.7	325.2	325.8	326.0	



Air Pressure 1.9 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	323.6	324.4	325.3	326.3	323.6	324.3	325.1	326.0	323.5	324.2	324.6	325.0	
40	323.5	324.3	325.1	326.3	323.5	324.3	325.0	325.8	323.4	324.1	324.5	324.9	
60	323.5	324.3	325.2	326.3	323.6	324.3	325.1	325.9	323.5	324.1	324.5	325.0	
80	323.7	324.5	325.3	326.5	323.7	324.5	325.2	326.0	323.6	324.2	324.7	325.1	
100	323.9	324.7	325.5	326.7	324.0	324.7	325.4	326.3	323.9	324.5	324.9	325.3	
120	324.2	325.1	325.9	327.0	324.3	325.0	325.7	326.6	324.3	324.8	325.2	325.6	
140	324.6	325.4	326.2	327.4	324.7	325.4	326.1	327.0	324.7	325.2	325.6	325.9	
160	325.1	325.9	326.6	327.7	325.2	325.8	326.5	327.3	325.2	325.6	326.0	326.3	
180	325.6	326.3	327.0	328.1	325.6	326.3	326.9	327.7	325.6	326.1	326.5	326.7	



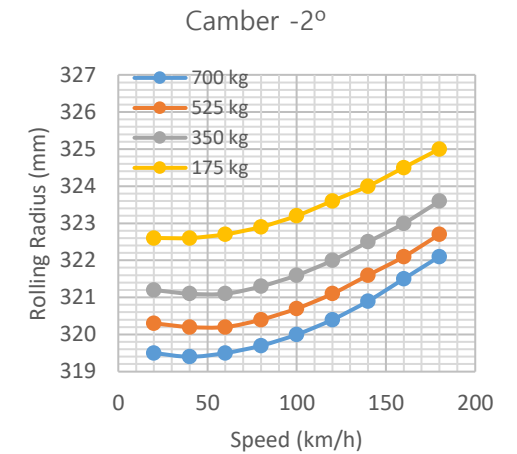
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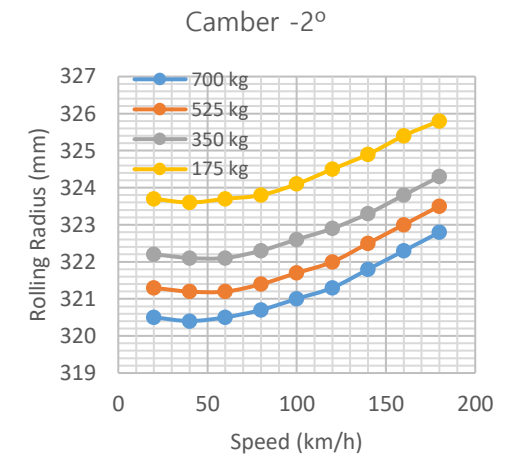
## Effective Rolling Radius (Dynamic Rolling Radius)

Pattern	Z207	Test Rim Width	12.0 J
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Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	319.2	320.1	321.2	323.0	319.5	320.3	321.2	322.6	319.5	320.1	320.7	321.7
40	319.1	320.0	321.1	323.0	319.4	320.2	321.1	322.6	319.4	320.0	320.6	321.6
60	319.2	320.1	321.2	323.0	319.5	320.2	321.1	322.7	319.5	320.1	320.7	321.6
80	319.4	320.3	321.3	323.2	319.7	320.4	321.3	322.9	319.7	320.3	320.9	321.8
100	319.7	320.6	321.6	323.5	320.0	320.7	321.6	323.2	320.1	320.6	321.2	322.2
120	320.0	320.9	322.0	323.9	320.4	321.1	322.0	323.6	320.5	321.0	321.6	322.5
140	320.5	321.4	322.5	324.3	320.9	321.6	322.5	324.0	321.0	321.5	322.0	323.0
160	321.1	321.9	323.0	324.8	321.5	322.1	323.0	324.5	321.5	322.1	322.6	323.5
180	321.7	322.5	323.6	325.4	322.1	322.7	323.6	325.0	322.2	322.6	323.2	324.1



Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	320.4	321.3	322.3	324.1	320.5	321.3	322.2	323.7	320.4	321.0	321.5	322.5
40	320.3	321.2	322.2	324.0	320.4	321.2	322.1	323.6	320.3	320.9	321.5	322.4
60	320.4	321.2	322.2	324.1	320.5	321.2	322.1	323.7	320.4	320.9	321.5	322.5
80	320.6	321.4	322.4	324.3	320.7	321.4	322.3	323.8	320.6	321.1	321.7	322.7
100	320.8	321.6	322.7	324.5	321.0	321.7	322.6	324.1	320.9	321.4	322.0	323.0
120	321.2	322.0	323.0	324.9	321.3	322.0	322.9	324.5	321.3	321.8	322.3	323.3
140	321.6	322.4	323.5	325.3	321.8	322.5	323.3	324.9	321.7	322.2	322.8	323.8
160	322.2	322.9	323.9	325.8	322.3	323.0	323.8	325.4	322.3	322.7	323.3	324.3
180	322.7	323.4	324.4	326.3	322.8	323.5	324.3	325.8	322.8	323.3	323.8	324.8



# Tech data - 300/680R18

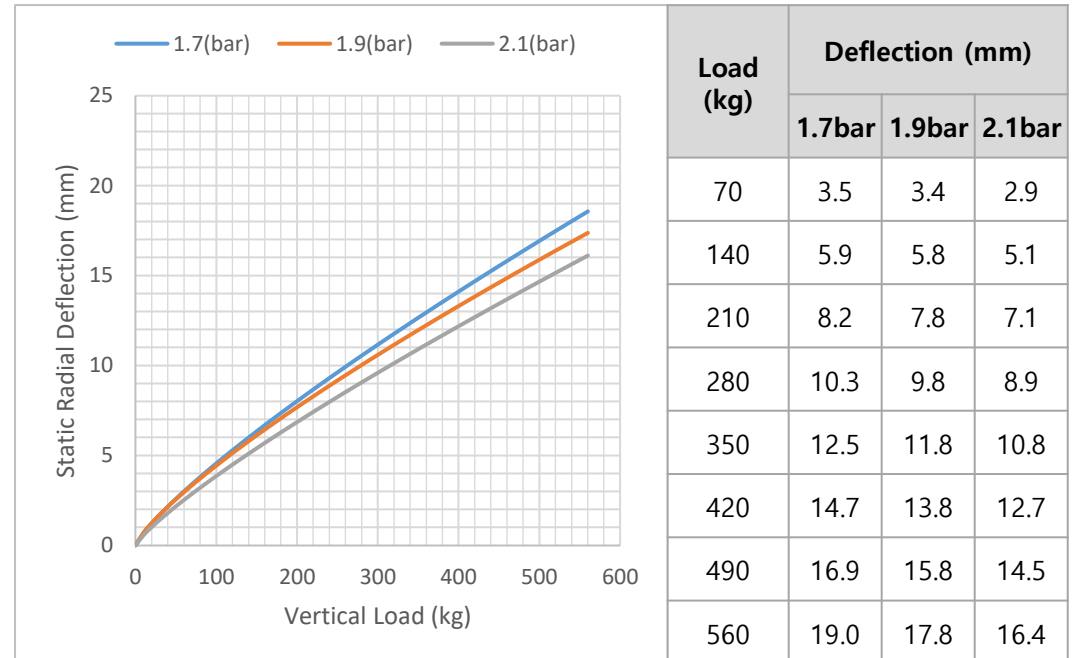
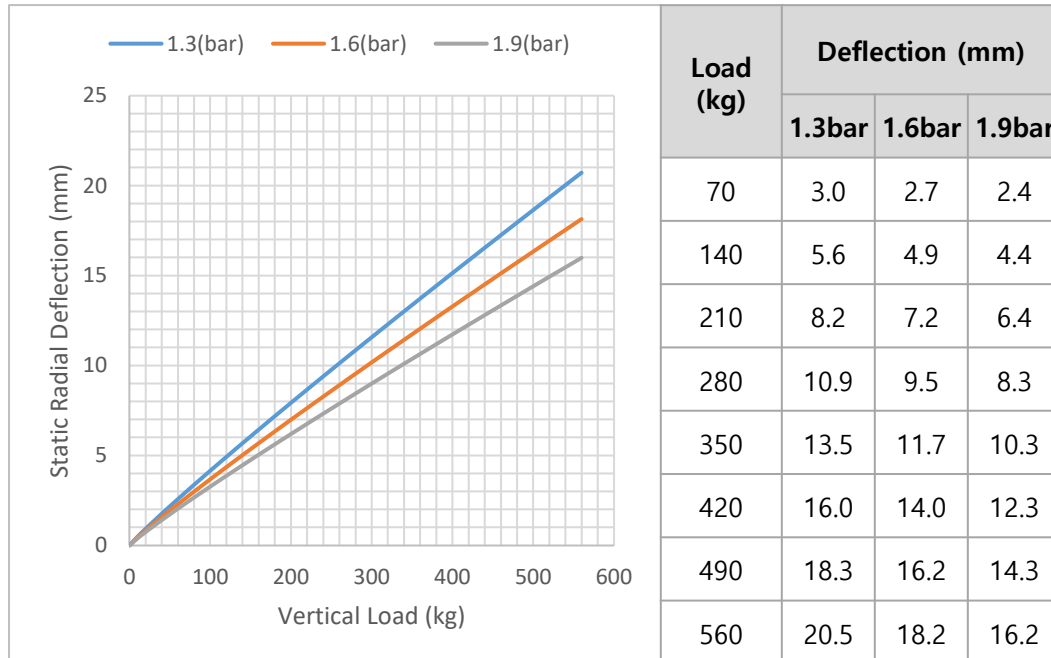


Size		Pattern	Measured		Rim Width		Overall Diameter	Section Width	Static Loaded Radius	Tread Width	Tread Depth
			Pressure	Load	Recommend	Optimum					
			[ bar ]	[ kg ]	[ inch ]	[ inch ]					
L54	300/680R18	F200	1.9	350	11.5~12.5J	12.0J	684	327	332.0	306	3.5
W52	300/680R18	Z207	2.1	350	11.5~12.5J	12.0J	676	331	327.9	300	7.0

## Static Radial Deflection (Vertical Stiffness) - Camber 0°

Pattern	F200
Test Rim Width	12.0 J

Pattern	Z207
Test Rim Width	12.0 J



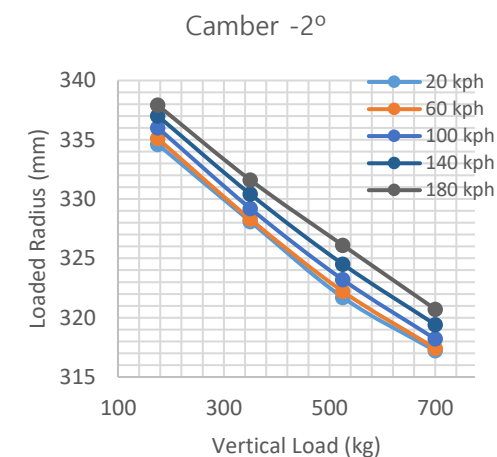
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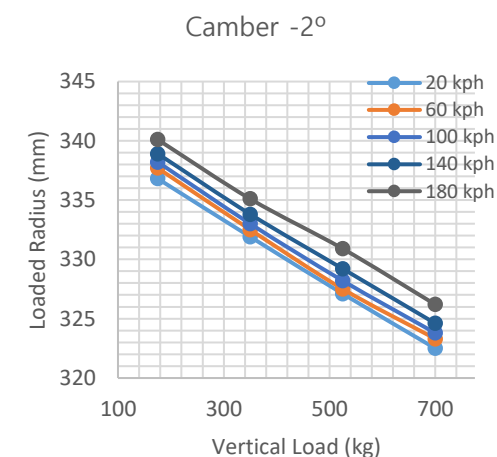
## Dynamic Radial Deflection (Dynamic Loaded Radius)

Pattern	F200	Test Rim Width	12.0 J
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Air Pressure 1.4 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	317.3	321.2	327.0	334.4	317.2	321.7	328.1	334.6	317.9	322.7	329.1	336.5	
40	317.2	321.6	327.5	334.4	317.2	321.9	328.1	334.8	317.7	322.8	329.1	336.2	
60	317.4	322.1	328.0	334.6	317.4	322.2	328.3	335.1	317.9	323.1	329.2	336.1	
80	317.6	322.5	328.5	334.9	317.8	322.6	328.7	335.5	318.2	323.5	329.6	336.4	
100	318.0	323.0	329.0	335.3	318.2	323.2	329.2	336.0	318.8	324.0	330.0	336.8	
120	318.5	323.5	329.6	335.8	318.8	323.8	329.8	336.5	319.4	324.5	330.6	337.3	
140	319.1	324.2	330.1	336.3	319.4	324.5	330.4	337.0	320.0	325.2	331.3	337.9	
160	319.8	325.0	330.7	336.7	320.0	325.2	331.0	337.5	320.6	325.8	332.1	338.6	
180	320.5	326.0	331.3	337.0	320.7	326.1	331.6	337.9	321.1	326.5	332.9	339.3	



Air Pressure 1.9 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	321.7	326.1	331.2	337.0	322.5	327.1	331.9	336.8	322.7	327.6	332.9	338.6	
40	321.9	326.5	331.8	337.2	322.9	327.3	332.2	337.3	323.0	327.7	333.1	338.6	
60	322.2	327.0	332.3	337.4	323.3	327.5	332.5	337.7	323.4	327.9	333.3	338.7	
80	322.4	327.4	332.6	337.6	323.6	327.8	332.7	338.0	323.8	328.2	333.5	339.0	
100	322.7	327.8	332.9	337.8	323.8	328.2	333.0	338.2	324.3	328.5	333.8	339.4	
120	323.2	328.3	333.3	338.2	324.2	328.6	333.4	338.5	324.8	328.9	334.1	339.9	
140	323.7	328.9	333.7	338.6	324.6	329.2	333.8	338.9	325.3	329.4	334.5	340.4	
160	324.5	329.6	334.3	339.2	325.3	329.9	334.4	339.4	325.9	330.0	335.2	340.9	
180	325.4	330.5	335.0	340.1	326.2	330.9	335.1	340.1	326.6	330.7	336.1	341.3	





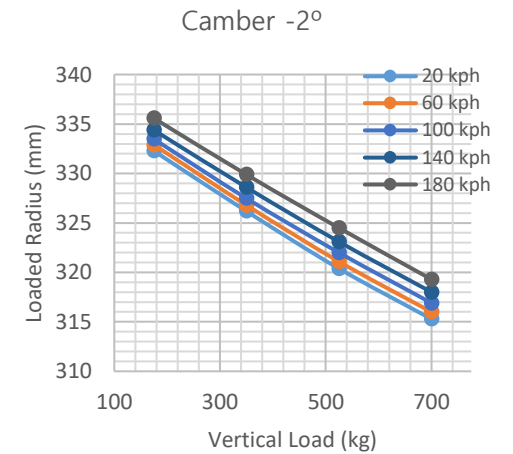
# Tech data - 300/680R18



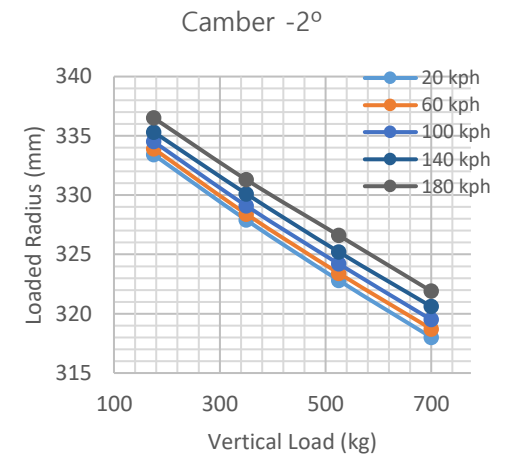
## Dynamic Radial Deflection (Dynamic Loaded Radius)

Pattern	Z207	Test Rim Width	12.0 J
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Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	315.2	320.4	326.0	331.8	315.3	320.4	326.2	332.3	315.4	320.8	326.9	333.8
40	315.5	320.7	326.2	332.0	315.6	320.7	326.5	332.6	315.6	321.0	327.2	334.1
60	315.8	321.0	326.5	332.2	316.0	321.1	326.8	332.9	316.0	321.3	327.5	334.4
80	316.2	321.4	326.9	332.5	316.4	321.5	327.1	333.2	316.4	321.7	327.9	334.7
100	316.7	321.9	327.3	332.8	316.9	322.0	327.5	333.5	316.9	322.2	328.3	335.1
120	317.2	322.4	327.8	333.2	317.4	322.5	328.0	333.9	317.4	322.7	328.8	335.5
140	317.8	323.0	328.3	333.6	318.0	323.1	328.6	334.4	318.1	323.3	329.3	336.0
160	318.4	323.6	328.9	334.1	318.6	323.8	329.2	334.9	318.8	324.0	330.0	336.6
180	319.1	324.3	329.6	334.7	319.3	324.5	329.9	335.6	319.5	324.8	330.7	337.3



Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	317.9	322.5	327.7	332.8	318.0	322.8	327.9	333.4	318.3	323.2	328.8	335.1
40	318.2	322.9	327.9	332.9	318.3	323.1	328.1	333.6	318.6	323.5	329.1	335.3
60	318.5	323.3	328.2	333.2	318.7	323.4	328.4	333.9	318.9	323.8	329.4	335.6
80	318.9	323.7	328.5	333.4	319.1	323.8	328.8	334.2	319.3	324.2	329.7	335.9
100	319.3	324.1	328.9	333.8	319.5	324.2	329.1	334.5	319.7	324.6	330.1	336.2
120	319.8	324.6	329.3	334.1	320.1	324.7	329.6	334.9	320.3	325.1	330.6	336.6
140	320.4	325.1	329.8	334.6	320.6	325.2	330.1	335.3	320.8	325.6	331.1	337.1
160	321.1	325.7	330.4	335.1	321.3	325.9	330.7	335.9	321.5	326.3	331.7	337.6
180	321.8	326.4	331.1	335.6	321.9	326.6	331.3	336.5	322.1	326.9	332.3	338.3



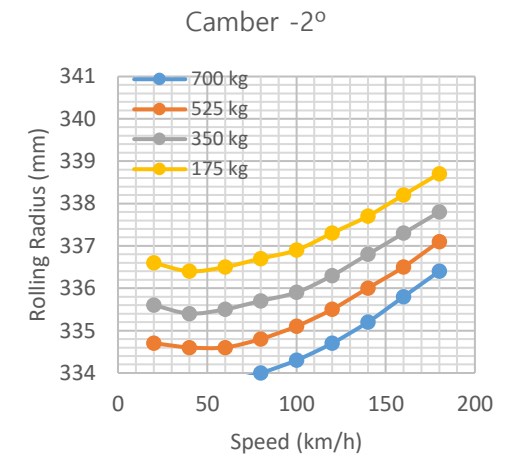
# Tech data - 300/680R18



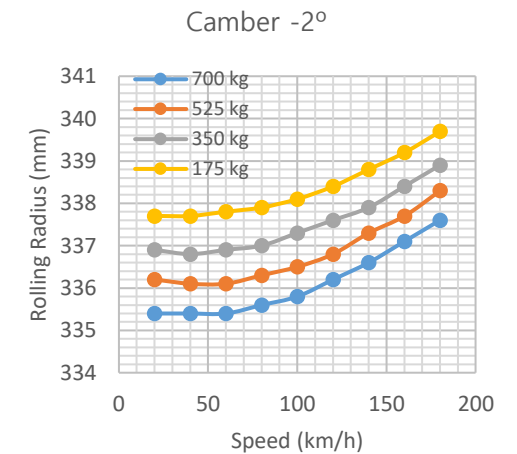
## Effective Rolling Radius (Dynamic Rolling Radius)

Pattern	F200	Test Rim Width	12.0 J
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Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	333.6	334.4	335.5	336.8	333.9	334.7	335.6	336.6	334.1	334.7	335.2	335.6
40	333.4	334.3	335.4	336.7	333.8	334.6	335.4	336.4	333.9	334.6	335.1	335.5
60	333.4	334.4	335.4	336.7	333.8	334.6	335.5	336.5	333.9	334.6	335.2	335.6
80	333.6	334.6	335.6	336.9	334.0	334.8	335.7	336.7	334.1	334.8	335.3	335.7
100	333.9	334.9	335.9	337.2	334.3	335.1	335.9	336.9	334.5	335.1	335.6	336.0
120	334.3	335.3	336.3	337.6	334.7	335.5	336.3	337.3	334.9	335.5	336.0	336.4
140	334.8	335.8	336.8	338.0	335.2	336.0	336.8	337.7	335.4	336.0	336.5	336.8
160	335.4	336.4	337.3	338.4	335.8	336.5	337.3	338.2	335.9	336.5	337.0	337.3
180	336.1	337.0	337.8	338.9	336.4	337.1	337.8	338.7	336.5	337.1	337.5	337.8



Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	335.2	336.1	336.9	338.3	335.4	336.2	336.9	337.7	335.3	335.9	336.3	336.7
40	335.2	336.0	336.9	338.2	335.4	336.1	336.8	337.7	335.2	335.8	336.2	336.6
60	335.2	336.1	337.0	338.3	335.4	336.1	336.9	337.8	335.3	335.9	336.2	336.6
80	335.3	336.2	337.2	338.4	335.6	336.3	337.0	337.9	335.5	336.0	336.4	336.8
100	335.6	336.5	337.4	338.6	335.8	336.5	337.3	338.1	335.8	336.3	336.6	337.0
120	335.9	336.8	337.7	338.9	336.2	336.8	337.6	338.4	336.1	336.6	337.0	337.4
140	336.4	337.2	338.1	339.3	336.6	337.3	337.9	338.8	336.6	337.0	337.4	337.8
160	336.9	337.7	338.5	339.8	337.1	337.7	338.4	339.2	337.1	337.5	337.8	338.2
180	337.4	338.2	339.0	340.4	337.6	338.3	338.9	339.7	337.6	338.0	338.3	338.7



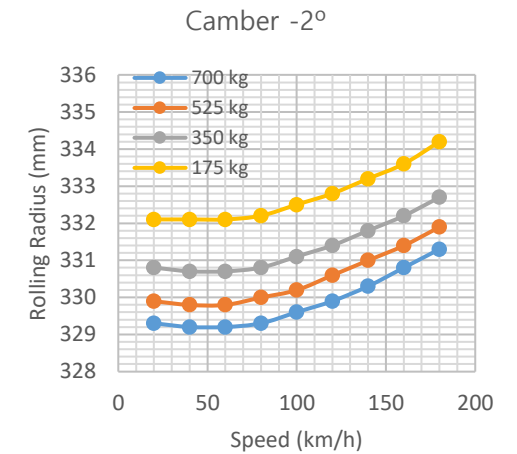
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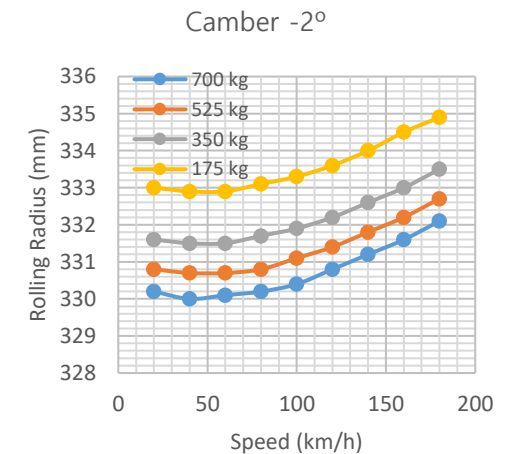
## Effective Rolling Radius (Dynamic Rolling Radius)

Pattern	Z207	Test Rim Width	12.0 J
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Air Pressure 1.8 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	329.1	329.9	330.8	332.6	329.3	329.9	330.8	332.1	329.3	329.8	330.3	331.0	
40	329.0	329.7	330.7	332.5	329.2	329.8	330.7	332.1	329.2	329.7	330.2	330.9	
60	329.0	329.8	330.7	332.6	329.2	329.8	330.7	332.1	329.3	329.8	330.2	331.0	
80	329.1	329.9	330.9	332.7	329.3	330.0	330.8	332.2	329.4	329.9	330.4	331.1	
100	329.3	330.1	331.1	332.9	329.6	330.2	331.1	332.5	329.7	330.2	330.6	331.4	
120	329.6	330.4	331.4	333.3	329.9	330.6	331.4	332.8	330.0	330.5	331.0	331.7	
140	330.0	330.8	331.8	333.6	330.3	331.0	331.8	333.2	330.5	331.0	331.4	332.2	
160	330.4	331.2	332.2	334.1	330.8	331.4	332.2	333.6	331.0	331.4	331.9	332.6	
180	330.9	331.7	332.7	334.5	331.3	331.9	332.7	334.2	331.5	331.9	332.4	333.2	



Air Pressure 2.1 bar	Speed (kph)	Camber 0°				Camber -2°				Camber -4°			
		700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg	700kg	525kg	350kg	175kg
20	330.0	330.8	331.8	333.5	330.2	330.8	331.6	333.0	330.0	330.5	330.9	331.7	
40	329.9	330.7	331.7	333.4	330.0	330.7	331.5	332.9	329.9	330.4	330.8	331.6	
60	330.0	330.7	331.7	333.5	330.1	330.7	331.5	332.9	330.0	330.4	330.9	331.7	
80	330.1	330.9	331.8	333.6	330.2	330.8	331.7	333.1	330.1	330.6	331.0	331.8	
100	330.3	331.1	332.0	333.8	330.4	331.1	331.9	333.3	330.4	330.8	331.3	332.1	
120	330.6	331.4	332.3	334.2	330.8	331.4	332.2	333.6	330.7	331.1	331.6	332.4	
140	331.0	331.7	332.7	334.5	331.2	331.8	332.6	334.0	331.1	331.5	332.0	332.8	
160	331.5	332.2	333.1	334.9	331.6	332.2	333.0	334.5	331.6	332.0	332.4	333.3	
180	332.0	332.7	333.6	335.4	332.1	332.7	333.5	334.9	332.1	332.5	333.0	333.8	





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