

TOYO TIRES

A blue-tinted photograph of a semi-trailer truck. The truck is viewed from a side-rear perspective, showing the front cab and the long trailer. The trailer has 'TOYO TIRES' written on its side in large, light-colored letters. The truck is parked on a dark surface, and the background is a solid blue color.

MEDIUM TRUCK TIRES 2025 PRODUCT CATALOGUE

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UP YOUR MILEAGE AND YOUR EXPECTATIONS

From the highway to the work site, the performance of your fleet depends on smarter tire engineering. Toyo commercial tires deliver an unique combination of quality manufacturing and patented technologies to improve endurance, tire life, fuel consumption, vehicle handling behaviour and more.

Expect performance you can count on.



SUPERIOR

TRUCK TIRES

LIMITED WARRANTY & CASING POLICY

This policy applies to the original purchaser of Toyo brand truck tires bearing the Toyo name and complete tire identification number (TIN) and not branded "NA". Tires must be purchased and used in Canada. This Policy applies to Toyo Truck tires manufactured as of January 1995 as determined by the TIN number on the tire sidewall. In order to be eligible for the benefits of this Policy the purchaser must do the following:

- Present the tire and proof of purchase to an authorized Toyo truck tire dealer.
- Sign the Toyo Claim Form.
- Allow Toyo Tire Canada personnel to inspect the tire at the dealer location.
- The vehicle on which the tire was used should be made available to the Toyo representative if requested.



Vehicle Position: la position sur véhicule:	• Steer / All Position Tires • • Pneus pour essieu directionnels / toute position •									• Trailer Tires • • Pneus Remorques •	
Best suited for:	←←←• Highway / Autoroute • • Regional / Urban • Régional / Urbain • →→→									←Highway / Autoroute • Regional / Local→	
Application:	LH	LH	LH,R, U	LH, R, U	LH, R, U	LH (trailer) R, U	R, U	R, U	R, U	LH, R	LH, R, U
Utilisation:	LD	LD	LH, R, U	LD, R, U	LD, R, U	LD (remorques), R, U	R, U	R, U	R, U	LD, R	LD, R, U
Toyo Pattern	M177	M171+ Nanoenergy	M156	M122	M143	M149	M170/ M170Z	M153	M144A/ M144	M157	M1430
EPA SmartWay	SmartWay	SmartWay	SmartWay						SmartWay	SmartWay	
Page No.											
215/75R17.5						G/16					H/15
235/75R17.5											J/15
245/75R17.5											J/16
225/70R19.5			G/17								
245/70R19.5			H/17								
265/70R19.5						G/16					
285/70R19.5						H/17					
10R22.5							G/19				
11R22.5	G-H/18	G-H/20	G-H/22	G/17			H/19			G/13	
12R22.5							H/19				
295/80R22.5									H/19		
315/80R22.5								L/26	L/19		
245/75R22.5			G/19								
265/75R22.5			G/19								
295/75R22.5	G-H/18	G-H/20	G-H/22	G/17			H/19			G/13	
255/70R22.5				H/17							
275/70R22.5							H/18				
305/70R22.5									L/19		
385/65R22.5						L/20					
425/65R22.5						L/21					
11R24.5	G-H/18		G-H/22	G/17			H/19			G/13	
285/75R24.5	G-H/18		G/22	G/17						G/13	

Steer Axle - All-Position



M177+
SmartWay



M156
SmartWay



M122



M143



M149



M153



**M144A/
M144**
SmartWay

Trailer



M157
SmartWay



M1430

Drive Axle



M677+
SmartWay



M671A+
SmartWay



M647



M650
SmartWay



**M610/
M610ZL**



M655



**M608/
M608Z**

MEDIUM COMMERCIAL TRUCK Product Lineup

On/Off Road Drive Axle



M503Z



M588



M506

On/Off Road Steer Axle - All Position



**M325/
M325CR**



M325WB



STEER / AN



LL POSITION



M177+™

Premium steer tire for long-haul highway operations.

MAXIMUM REMOVAL MILES

Deep tread delivers long, even wear.

MAXIMUM FUEL EFFICIENCY

Low-rolling-resistance tread compound minimizes fuel consumption and qualifies it as a SmartWay-verified steer tire.



EXCELLENT PERFORMANCE AND SAFETY

Computer-optimized tread design, with four straight grooves, provides enhanced wet and dry traction while also reducing road noise.

EXCELLENT RETREADABILITY

E-balance profile minimizes growth of the tread profile and maintains a uniform and flatter tread radius for the entire life of the casing.

APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	STEER	TRAILER

5 Years
Limited Warranty



FEATURES AND BENEFITS

- High miles per 32nd due to an improved footprint, with top Differential Groove™ that minimizes irregular wear and a deep 18/32" tread for improved mileage.
- Low-rolling resistance tread compound minimizes fuel consumption and qualifies it as a SmartWay-verified steer tire.
- Computer-optimized tread design with four straight grooves, deep sipes, and multi-pitch grooves provides enhanced wet and dry traction while reducing road noise.
- E-balance profile minimizes growth of the tread profile and maintains uniform and flatter tread radius for the entire life of the casing.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	547520	119.9 54.4	18 14	8.25 7.50-8.25	41.3 1048	11.1 282	19.2 487	12.2 309	6175@105 2799@726	5840@105 2647@726	313 503	75 120
11R22.5	16H	146/143L	547530	119.9 54.4	18 14	8.25 7.50-8.25	41.3 1048	11.1 282	19.2 487	12.2 309	6610@120 2998@829	6005@120 2723@829	313 503	75 120
11R24.5	14G	146/143L	547540	129.0 58.5	18 14	8.25 7.50-8.25	43.3 1100	11.1 282	20.1 512	12.2 309	6610@105 2998@726	6005@105 2722@726	298 480	75 120
11R24.5	16H	149/146L	547550	129.0 58.5	18 14	8.25 7.50-8.25	43.3 1100	11.1 282	20.1 512	12.2 309	7160@120 3242@829	6610@120 2997@829	298 480	75 120

LOW PROFILE

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
295/75R22.5	14G	144/141L	547490	110.2 50.0	18 14	9.00 8.25-9.00	40.1 1018	11.2 284	18.6 473	12.5 317	6175@110 2799@760	5675@110 2573@760	322 518	75 120
295/75R22.5	16H	149/146L	547510	111.1 50.4	18 14	9.00 8.25-9.00	40.1 1018	11.2 284	18.6 473	12.5 317	7160@125 3246@864	6610@125 2997@864	322 518	75 120
285/75R24.5	14G	144/141L	547620	115.1 52.2	18 14	8.25 7.50-9.00	41.4 1051	10.9 276	19.2 489	11.7 298	6175@110 2799@760	5675@110 2573@760	312 502	75 120
285/75R24.5	16H	147/144L	547630	116.2 52.7	18 14	8.25 7.50-9.00	41.4 1051	10.9 276	19.2 489	11.7 298	6780@120 3074@829	6175@120 2799@829	312 502	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

BRIDGESTONE R213 ECOPIA
CONTINENTAL ECO PLUS HS3+
GOODYEAR ENDURANCE LHS

MICHELIN X LINE ENERGY Z
YOKOHAMA 101ZL SPEC-2

M156™

Premium regional all-position steer radial tire.



MAXIMUM FUEL EFFICIENCY

Specialized cap, base, and sidewall compounds have low rolling resistance and long wear life.

MAXIMUM REMOVAL MILES

Four-rib pattern and patented sidewall design apply even pressure on the contact patch to reduce irregular wear.



CASING DURABILITY ENHANCED RETREADABILITY

High-elongation top belt protects casing integrity.

EXCELLENT PERFORMANCE AND SAFETY

E-balance improves stability in turns and reduces strain at the bead and belt edges.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	STEER	DRIVE, TRAILER
URBAN	STEER	DRIVE, TRAILER
17.5 & 19.5	STEER	DRIVE TRAILER

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Urban and regional SmartWay-approved tire that delivers long, even wear and fuel efficiency in high-scrub environments.
- Four-rib tread design and a patented sidewall design that reduces irregular wear by evening pressure on the center and outer ribs.
- Specialized cap, base, and sidewall compounds combine with Toyo's e-balance technology to deliver exceptional stability in turns, casing durability, and wear resistance.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
295/75R22.5	14G	144/141L	520060	115.3 52.3	20 16	8.25 8.25-9.0	40.1 1019	11.1 282	18.7 474	12.1 307	6175@110 2800@760	5675@110 2575@760	321 518	75 120
295/75R22.5	16H	149/146L	520050	116.4 52.8	20 16	8.25 8.25-9.0	40.1 1019	11.1 282	18.7 474	12.1 307	7160@123 3250@825	6610@123 3000@825	321 518	75 120
11R22.5	14G	144/142L	520080	121.3 55.0	20 16	8.25 7.5-8.25	41.5 1054	11.1 282	19.3 307	12.2 309	6175@105 2800@720	5840@105 2650@720	311 501	75 120
11R22.5	16H	146/143L	520070	122.4 55.5	20 16	8.25 7.5-8.25	41.5 1054	11.1 282	19.3 490	12.2 309	6610@120 3000@825	6005@120 2725@825	311 501	75 120

LOW PROFILE

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
225/70R19.5	14G	128/126N	549470	70.6 32.0	16 13	6.75 6.00-6.75	32.1 815	8.3 212	14.9 379	9.0 228	3970@110 1800@760	3750@110 1700@760	402 647	75 120
245/70R19.5	16H	136/134N	549480	82.7 37.5	17 14	7.50 6.75-7.50	33.2 843	9.9 251	15.4 392	10.7 271	4940@120 2240@825	4675@120 2120@825	388 624	75 120
245/75R22.5	14G	134/131L	549450	91.5 41.5	19 15	7.50 6.75-7.50	36.9 937	9.5 242	17.2 436	10.2 258	4675@110 2120@760	4300@110 1950@760	350 563	75 120
265/75R22.5	14G	138/135L	549460	99.2 45.0	19 15	7.50 7.50-8.25	38.4 975	9.8 250	17.8 453	10.6 270	5205@110 2360@760	4805@110 2180@760	336 541	75 120
295/75R22.5	14G	144/141L	549410	120.2 54.5	22 17	9.00 8.25-9.00	40.2 1021	11.1 282	18.7 475	12.1 307	6175@110 2800@760	5675@110 2575@760	321 517	75 120
295/75R22.5	16H	149/146L	549420	121.3 55.0	22 17	9.00 8.25-9.00	40.2 1021	11.1 282	18.7 475	12.1 307	7160@125 3250@860	6610@125 3000@860	321 517	75 120
285/75R24.5	14G	144/141L	549510	123.5 56.0	22 17	8.25 7.50-9.00	41.5 1053	10.8 275	19.3 490	11.8 300	6175@110 2800@760	5675@110 2575@760	311 501	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R268 Ecopia
Continental HSR 3
Goodyear Fuel Max RSA

Michelin X Multi Energy Z2
Yokohama 108R



M122™

Durable all-position radial tire.

DSOC II

LONG TREAD LIFE

DSOC II technology optimizes footprint design for even wear and long life.

DEPENDABLE RETREADABILITY AND CASING DURABILITY

Four-steel-belt construction braces the tread area, improving durability.

High-elongation top belt protects casing integrity.

GREAT PERFORMANCE AND SAFETY

Wide five-rib pattern with a solid outer rib improves stability and handling performance.



APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	TRAILER	-
REGIONAL	STEER, TRAILER	DRIVE
URBAN	STEER, TRAILER	DRIVE

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Recommended for steer and suitable for all positions, the durable M122 is designed specifically for local delivery and regional-haul applications.
- All-steel, four-belt construction provides even tread wear plus extended tire and casing life. Other life-extending features include a solid outer rib and special cap-and-base tread compounding.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	548020	116.8 53.0	17 13	8.25 7.50-8.25	41.3 1048	11.1 282	18.6 472	12.1 307	6175@105 3000@726	5840@105 2648@726	313 503	75 120
11R24.5	14G	146/143L	548010	129.0 58.5	17 13	8.25 7.50-8.25	43.3 1099	11.1 282	19.6 497	12.1 307	6610@105 2997@726	6005@105 2723@726	298 480	75 120

LOW PROFILE

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
295/75R22.5	14G	144/141L	548000	111.1 50.4	17 13	8.25 8.25-9.00	40.0 1017	11.1 282	18.1 459	12.1 307	6175@110 2800@760	5675@110 2573@760	323 519	75 120
255/70R22.5	16H	140/137L	548150	95.5 43.3	17 13	7.50 7.50-8.25	36.6 930	9.9 251	16.8 426	10.8 274	5510@120 2498@830	5070@120 2299@830	352 567	75 120
285/75R24.5	14G	144/141L	548030	112.4 51.0	17 13	8.25 8.25	41.1 1044	10.8 275	18.7 476	11.8 300	6175@110 2800@760	5675@110 2573@760	314 505	75 120

Bold designates measuring rim width
 Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22
 Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R196
 Continental HSR2 SA
 Goodyear Marathon RS5

Michelin XZE2
 Yokohama RY023



M143™

Premium all-position radial tire.

DSOC II

LONG TREAD LIFE

Wide five-rib pattern with a solid outer rib and optimized tread depth combine for long, even wear.

EXCELLENT PERFORMANCE AND SAFETY

Zigzag pattern with deep tread depth improves wet and dry traction.

IMPROVED FUEL ECONOMY

Optimized tread design reduces rolling resistance for improved fuel economy.

CASING DURABILITY

Advanced casing design and heat-resistant compounding deliver extended casing life and improved retreadability.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	STEER, TRAILER	DRIVE
URBAN	STEER, TRAILER	DRIVE
17.5 & 19.5	STEER, TRAILER	DRIVE

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Well suited for all axle positions, the all-steel and low-profile radial design excels in demanding over the highway use.
- Wide-belt construction and stable outer ribs contribute to long and even tread wear, while special heat-resistant compounds and stone-ejector grooves support extended tire and casing life.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
215/75R17.5	14G	126/124M	306100	59.5 27.0	16 13	6.00 6.00-6.75	30.6 776	8.3 212	13.8 352	9.1 231	3750@105 1700@725	3530@105 1600@725	423 680	81 130
265/70R19.5	14G	140/138M	562070	84.7 38.4	16 13	7.50 7.50-8.25	34.2 868	10.2 260	15.5 393	11.2 283	5070@110 2299@760	4675@110 2120@760	378 608	81 130
285/70R19.5	16H	145/143M	562120	95.9 43.5	17 14	8.25 8.25-9.00	35.0 890	11.2 284	15.8 402	12.2 310	6395@125 2899@863	6005@125 2722@863	368 593	81 130

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R249
Continental Coach HA3
goodyear G670 RV MRT

Michelin X Line Energy Z Coach
Yokohama 105ZR Spec-2



M149™

Regional to urban wide base tire.



LONG TREAD LIFE

Optimized profile minimizes casing growth of the tread area for long wear life.

Six straight and stiff ribs provide smooth wear and long life.

SUPERIOR CASING DURABILITY

Wide steel-belt construction braces the tread area, improving durability, while the high-elongation top belt protects casing integrity.

High-stiffness bead filler improves sidewall durability.

EXCELLENT PERFORMANCE AND SAFETY

Five wide grooves with siping on ribs provide outstanding wet traction.

Exceptional uniformity and balance contribute to a smooth ride.



APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	STEER, TRAILER	DRIVE
URBAN	STEER, TRAILER	DRIVE

5 Years
Limited Warranty



FEATURES AND BENEFITS

- All-position wide base tire designed to deliver improved wear in tough operations, ranging from urban front axles to long-haul trailers.
- Optimized construction and tread design deliver high uniformity, even wear, and excellent wet traction.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
385/65R22.5	20L	160K	562010	166.4 75.5	20 16	11.75 11.75-12.25	42.5 1079	14.8 376	19.0 484	16.1 410	9920@130 4499@898	- -	304 489	68 110
425/65R22.5	20L	165K	562090	190.7 86.5	21 17	12.25 12.25-14.00	44.7 1136	16.3 415	19.9 506	17.8 452	11400@120 5168@823	- -	288 464	68 110

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R244
Continental HTR2
Goodyear G296 MSA

Michelin XFE
Yokohama RY253

M170™ | M170Z™

Premium regional steer radial.



HIGH FUEL EFFICIENCY

Low-rolling-resistance construction minimizes fuel consumption.



CASING DURABILITY ENHANCED RETREADABILITY

E-balance profile minimizes growth of the tread profile and maintains a uniform and flatter tread radius for the entire life of the casing.

High-elongation top belt protects casing integrity.

V-shaped groove design ejects packed stones at low speeds to prevent stone drilling.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	STEER	DRIVE
URBAN	STEER	DRIVE

5 Years
Limited Warranty

FEATURES AND BENEFITS

- Regional steer tire capable of being used in all positions.
- Provides improved bead durability and reduced wear, for a longer and smoother drive.
- Excellent even wear in miles per 32nd with a deep tread depth results in maximum removal miles.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
M170Z														
10R22.5	14G	141/139L	548350	108.2 49.1	19 15	7.50 6.75-8.25	40.0 1016	10.0 255	18.1 459	10.9 278	5675@115 2573@795	5355@115 2428@795	323 519	75 120
11R22.5	16H	146/143L	546000	114.6 52.0	19 15	8.25 7.50-8.25	41.3 1048	11.1 282	18.6 472	12.1 307	6610@120 2997@829	6005@120 2722@829	313 503	75 120
11R24.5	16H	149/146L	546010	133.8 60.7	19 15	8.25 7.50-8.25	43.4 1102	11.1 282	19.6 498	12.1 307	7160@120 3246@829	6610@120 2997@829	298 479	75 120
LOW PROFILE														
295/75R22.5	16H	149/146L	546020	113.1 51.3	19 15	9.0 8.25-9.00	40.2 1020	11.1 282	18.1 461	12.1 307	7160@125 3246@861	6610@125 2997@891	321 517	75 120
M170														
12R22.5	16H	152/148L	546310	131.2 59.5	19 15	9.00 8.25-9.00	42.4 1076	12.4 314	19.0 483	13.5 342	7390@120 3350@829	6780@120 3075@829	304 490	75 120
275/70R22.5	16H	148/145L	546080	111.3 50.3	18 14	8.25 7.50-8.25	37.8 959	10.8 275	17.2 437	11.8 300	6945@130 3148@898	6395@130 2899@898	342 550	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R268 Ecopia
Continental HSR 3

Goodyear Fuel Max RSA
Michelin XZE2

M144™

Premium steer radial.



LONG TREAD LIFE

E-balance provides optimum footprint wear to increase mileage performance.

Wide five-rib pattern with a solid outer rib and optimized tread depth combine for long, even wear.



CASING DURABILITY ENHANCED RETREADABILITY

Four-steel-belt construction braces the tread area, improve durability, while a high-elongation top belt protects casing integrity.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	STEER	DRIVE, TRAILER
URBAN	STEER	DRIVE, TRAILER

5 Years
Limited Warranty

FEATURES AND BENEFITS

- Capable of being used in all positions, the M144 provides low-cost mileage performance and better retreadability.
- Optimized tread delivers excellent traction, even wear, and ride comfort, while four-belt construction extends tire and casing life.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
M144A														
315/80R22.5	20L	158/156L	548370	151.0 68.5	19 15	9.00 9.00-9.75	42.6 1082	12.3 312	19.1 485	13.4 340	9370@130 4248@898	8820@130 3998@898	303 488	75 120
M144														
295/80R22.5	16H	152/148M	548080	132.3 60.0	19 15	9.00 8.25-9.00	41.5 1054	11.9 303	18.7 474	13.0 330	7830@125 3551@864	6940@125 3147@864	311 501	81 130
305/70R22.5	20L	152/150L	548970	137.3 62.3	19 15	9.00 8.25-9.00	39.5 1004	12.1 307	17.9 454	13.2 335	7830@130 3550@898	7390@130 3350@898	327 526	75 120
315/80R22.5	20L	154/150M	548630	149.3 67.7	19 15	9.00 9.00-9.75	42.5 1079	12.5 318	19.0 484	13.6 347	9090@130 4120@898	8270@130 3749@898	304 489	81 130
275/70R22.5	16H	148/145L	546080	111.3 50.3	18 14	8.25 7.50-8.25	37.8 959	10.8 275	17.2 437	11.8 300	6945@130 3148@898	6395@130 2899@898	342 550	75 120

Bold designates measuring rim width
 Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22
 Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R249
 Continental Coach HA3
 Goodyear G670 RV MRT

Michelin X Line Energy Z Coach
 Yokohama 104ZR Spec-2



TOYOTIRES

TR



TRAILER TIRES

M157™

Premium free-rolling radial.



EXCELLENT PERFORMANCE AND SAFETY

Computer-optimized tread design, with four straight grooves, deep sipes, and multi-pitch grooves, provides enhanced wet and dry traction while also reducing road noise.



CASING DURABILITY

Enhanced, high-speed casing design resists casing fatigue.

Four-steel-belt construction contributes to casing durability.

APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	TRAILER	STEER
REGIONAL	TRAILER	-

5 Years
Limited Warranty

FEATURES AND BENEFITS

- Premium, free-rolling axle tire designed for long haul, over the highway operations.
- Designed as a fuel-efficient free-rolling axle tire, acceptable for steer axle use.
- High miles per 32nd, with minimized irregular wear, results in maximum removal miles.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	541420	113.5 51.5	13 10	8.25 7.50-8.25	41.0 1042	11.1 282	18.5 469	12.1 307	6175@105 2800@720	5840@105 2650@720	314 506	75 120
11R24.5	14G	146/143L	541430	116.8 53.0	13 10	8.25 7.50-8.25	42.9 1090	11.2 284	19.4 494	12.2 310	6610@105 3000@720	6005@105 2720@720	301 484	75 120
LOW PROFILE														
295/75R22.5	14G	144/141L	541400	105.4 47.8	13 10	9.00 8.25-9.00	39.8 1011	11.1 282	18.0 457	12.1 307	6175@110 2800@760	5675@110 2570@760	324 522	75 120
285/75R24.5	14G	144/141L	541410	105.6 47.9	13 10	8.25 7.50-9.00	40.9 1038	11.0 280	18.6 473	12.0 305	6175@110 2800@760	5675@110 2570@760	316 508	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R123
Continental HT3
Goodyear Fuel Max LHT

Michelin X Line Energy T2
Yokohama BluEarth 109L

M1430™

Premium trailer radial.

DSOC II

HIGH LOAD-CARRYING CAPACITY

Wide-belt construction braces the tread area for increased load-carrying capacity.

Enhanced bead construction stabilizes the casing for heavy loads.



MAXIMUM REMOVAL MILES

Five-rib, four-groove pattern with a solid outer rib and tread depth combine for long, even wear.

APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	TRAILER	-
REGIONAL	TRAILER	-
URBAN	TRAILER	-
17.5 & 19.5	TRAILER	-

5 Years
Limited Warranty

FEATURES AND BENEFITS

- For use on low platform trailers, including high-load and high-cube applications. This tire is recommended for trailer use only.
- With high miles per 32nd and minimized irregular wear, the results are excellent removal miles.
- Five rib, zig-zag pattern with deep tread depth and steel belt construction braces tread area for improved mileage



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
215/75R17.5	16H	135/133J	520500	58.4 26.5	15 12	6.00 6.00-6.75	30.5 774	8.3 212	13.8 351	9.1 231	4806@125 2180@864	4540@125 2059@864	424 682	62 100
235/75R17.5	18J	143/141J	520540	65.0 29.5	15 12	6.75 6.75-7.50	31.6 803	9.2 233	14.3 362	10.0 254	6005@125 2722@864	5675@125 2573@864	408 657	62 100
245/70R17.5	18J	143/141J	520530	69.4 31.5	16 13	6.75 6.75-7.50	31.5 799	9.5 242	14.2 361	10.4 264	6005@125 2722@864	5675@125 2573@864	410 660	62 100

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone R238
Continental HTR2
Goodyear X Max T

Michelin XTA2 Energy
Yokohama RY023





DRIVE TIRES



M677+™

Long-haul and regional drive tire.



IMPROVED TREAD COMPOUND

Maximizes removal miles while maintaining low rolling resistance and traction.



MAXIMUM FUEL EFFICIENCY

Low-rolling-resistance tread compound minimizes fuel consumption and qualifies it as a SmartWay-verified drive tire.

APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	DRIVE	-
REGIONAL	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Built with a deep tread, this tire is designed to maximize removal miles, fuel efficiency, and deliver great traction.
- Excellent wear performance and exceptional retreadability make it preferred by fleets.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	540350	126.8 57.5	28 22	8.25 7.50-8.25	42.0 1066	11.1 282	19.5 496	12.2 300	6175@105 2800@720	5840@105 2650@720	308 495	75 120
11R22.5	16H	146/143L	540360	127.9 58.0	28 22	8.25 7.50-8.25	42.0 1066	11.1 282	189.5 496	12.2 309	6610@120 3000@825	6005@120 2725@825	308 495	75 120
11R24.5	14G	146/143L	540310	135.6 61.5	28 22	8.25 7.50-8.25	44.0 1117	11.1 282	20.4 519	12.2 309	6610@105 3000@720	6005@105 2725@720	294 472	75 120
11R24.5	16H	149/146L	540320	136.7 62.0	28 22	8.25 7.50-8.25	44.0 1117	11.1 282	20.4 519	12.2 309	7160@120 3250@825	6610@120 2998@825	294 472	75 120
LOW PROFILE														
295/75R22.5	14G	144/141L	540330	120.2 54.5	28 22	9.00 8.25-9.00	40.7 1035	11.1 282	18.9 481	12.1 307	6175@110 2800@760	5675@110 2575@760	317 510	75 120
295/75R22.5	16H	146/143L	540340	121.9 55.3	28 22	9.00 8.25-9.00	40.7 1035	11.1 282	18.9 481	12.1 307	6610@120 3000@825	6005@120 2725@825	317 510	75 120
285/75R24.5	14G	144/141L	540300	124.1 56.3	28 22	8.25 7.50-9.00	41.9 1065	10.8 275	19.5 495	11.8 300	6175@110 2800@760	5675@110 2575@760	308 495	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M713 Ecopia
Continental HDL2+
Goodyear Endurance LHD

Michelin X Line Energy D
Yokohama 712L



M671A+™

Super regional drive tire.



MAXIMUM FUEL EFFICIENCY

Uniformity of the cap and base compound increases fuel efficiency and wear resistance.

Advanced pad and sidewall compounds contribute to increase fuel efficiency.

EXCELLENT REMOVAL MILES

The wide belt package minimizes growth of the tread profile and reduces irregular wear.

The wide tread with 3D sipes maintains rib stiffness and even contact pressure.



IMPROVED TREAD COMPOUND

Maximizes removal miles while maintaining low rolling resistance and traction.

CASING DURABILITY

Steel chafer bead improves durability and retreadability.

APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	DRIVE	-
REGIONAL	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Provides long, even wear, and superior traction.
- Uniform compound developed with Nano Balance Technology results in exceptional fuel efficiency and resistance to irregular wear.
- Its advanced e-Balance design maintains the tread profile while reducing strain at the bead area and belt edge.
- Optimized tread pattern with 3D sipes provides even contact pressure and wear for longer tire life.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	500820	135.4	26	8.25	41.9	11.1	19.5	12.2	6175@105	5840@105	496	75
				61.4	20	7.50-8.25	1063	282	494	309	2800@720	2650@720	308	120
11R22.5	16H	146/143L	500810	136.2	26	8.25	41.9	11.1	19.5	12.2	6610@120	6005@120	496	75
				61.8	20	7.50-8.25	1063	282	494	309	3000@825	2725@825	308	120
LOW PROFILE														
295/75R22.5	14G	144/141L	500800	127.2	26	8.25	40.4	11.1	18.8	12.1	6175@110	5675@110	514	75
				57.7	20	8.25-9.00	1027	282	478	307	2800@760	2575@760	319	120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M760 Ecopia
Continental Hybrid HD3
Goodyear Fuel Max RTD

Michelin X Multi Energy D
Yokohama 709ZL



M647™



Long-haul, regional, and urban drive tire.

EXCELLENT REMOVAL MILES

Deep tread depth delivers maximum miles

E-Balance provides optimum footprint wear to increase mileage performance.

EXCELLENT PERFORMANCE AND SAFETY

Deep-groove siping equal to main groove depth ensures wet traction until worn out.

MAXIMUM RETREADABILITY AND CASING DURABILITY

E-balance profile minimizes growth of the tread profile and maintains uniform and flatter tread radius for entire life of the casing.



APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	-	DRIVE
REGIONAL	DRIVE	-
URBAN	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Premium drive tire designed for local, regional, and long haul highway applications.
- Excellent miles per 32nd, combined with minimal irregular wear, make it the drive tire of choice in multiple applications.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/ SPEED	CODE	WEIGHT (Lbs/ Kg)	TREAD (32"mm)	RIM DESIGN/ ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@ KPa)	MAX TIRE LOAD DUAL (Lbs@PS/ Kg@KPa)	REVS PER (Km/ Mile)	MAX SPEED (Mph/ Kph)
11R22.5	14G	144/142L	558070	133.4 60.5	30 24	8.25 7.50-8.25	42.1 1070	11.1 282	18.9 480	12.1 307	6175@105 2800@726	5840@105 2649@726	306 493	75 120
11R22.5	16H	146/143L	558090	134.5 61.0	30 24	8.25 7.50-8.25	42.1 1070	11.1 282	18.9 480	12.1 307	6610@120 2998@829	6005@120 2723@829	306 493	75 120
11R24.5	14G	146/143L	558170	145.3 65.9	30 24	8.25 7.50-8.25	44.1 1121	11.1 282	19.9 506	12.1 307	6610@105 2998@726	6005@105 2723@726	293 471	75 120
11R24.5	16H	149/146L	558180	139.2 63.1	30 24	8.25 7.50-8.25	44.1 1121	11.1 282	19.9 506	12.1 307	7160@120 3247@829	6610@120 2998@829	293 471	75 120
LOW PROFILE														
295/75R22.5	14G	144/141L	558300	127.4 57.8	30 24	8.25 8.25-9.00	40.9 1039	11.1 282	18.4 468	12.1 307	6175@110 2800@760	5675@110 2574@760	316 508	75 120
285/75R24.5	14G	144/141L	558160	125.7 57.0	30 24	8.25 7.50-9.00	42.1 1069	10.8 275	19.1 485	11.8 300	6175@110 2799@760	5675@110 2573@760	307 494	75 120
255/70R22.5	16H	140/137L	558350	99.2 45.0	25 20	7.50 7.50-8.25	37.1 942	9.9 252	16.9 430	10.8 275	5510@120 2505@829	5070@120 2573@829	348 560	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M726 ELA
Continental HDR2+
Goodyear Endurance LHD

Michelin XDA5+
Yokohama TY527



M650™

Regional and urban drive tire.



SmartWay®



MAXIMUM FUEL EFFICIENCY

Low-rolling-resistance tread compound minimizes fuel consumption and qualifies it as a Smartway-verified drive tire.

EXCELLENT TRACTION

Deep 28/32" open-shoulder tread provides traction in both wet and dry conditions.

High-traction, high-torque tread design prevents block tearing.

MAXIMUM REMOVAL MILES

E-balance provides optimum footprint wear to increase mileage performance

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	DRIVE	-
URBAN	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Deep, open-shoulder drive tire that delivers high-traction, high-torque, and cut and chip resistance, plus high mileage fuel efficiency.
- Comes with 28/32" tread depth, which adds to its long life.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	558820	125.9 57.1	28 22	8.25 7.50-8.25	42.0 1066	11.1 282	18.8 479	12.1 307	6175@105 2800@720	5840@105 2649@720	308 495	75 120
11R22.5	16H	146/143L	558830	126.8 57.5	28 22	8.25 7.50-8.25	42.0 1066	11.1 282	18.8 479	12.1 307	6610@120 2998@830	6005@120 2723@830	308 495	75 120
LOW PROFILE														
295/75R22.5	14G	144/141L	558800	120.2 54.5	28 22	8.25 8.25-9.00	40.7 1034	11.1 282	18.4 466	12.1 307	6175@110 2800@760	5675@110 2574@760	317 510	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M770
Continental HDR2 Eco Plus
Goodyear Fuel Max RTD

Michelin XDE2+
Yokohama 715R



M610™

Regional and urban drive tire.



SmartWay®



EXCELLENT TRACTION

Deep open-shoulder tread provides traction in both wet and dry conditions.

High-traction, high-torque tread design prevents block tearing.

MAXIMUM REMOVAL MILES

Deep tread depth delivers longer life.

Tie bars in shoulder bridge reduce tread block movement.



CASING DURABILITY ENHANCED RETREADABILITY

V-shaped groove design ejects packed stone at low speeds to prevent stone drilling.

High-elongation top belt protects casing integrity.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	DRIVE	-
URBAN	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Deep, open-shoulder drive tire that delivers high-traction, high-torque, and cut and chip resistance, plus high mileage fuel efficiency.
- Comes with 28/32" tread depth, which adds to its long life.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	558820	125.9 57.1	28 22	8.25 7.50-8.25	42.0 1066	11.1 282	18.8 479	12.1 307	6175@105 2800@720	5840@105 2649@720	308 495	75 120
11R22.5	16H	146/143L	558830	126.8 57.5	28 22	8.25 7.50-8.25	42.0 1066	11.1 282	18.8 479	12.1 307	6610@120 2998@830	6005@120 2723@830	308 495	75 120
LOW PROFILE														
295/75R22.5	14G	144/141L	558800	120.2 54.5	28 22	8.25 8.25-9.00	40.7 1034	11.1 282	18.4 466	12.1 307	6175@110 2800@760	5675@110 2574@760	317 510	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M770
Continental HDR2+
Goodyear G182 RSD

Michelin XDE2+
Yokohama 715R



M920™



Regional and urban drive tire.

SUPERIOR ALL-WEATHER PERFORMANCE

Cross-sipe arrangement maintains block stiffness to provide traction throughout the life of the tire.

EXCELLENT CASING DURABILITY

Stone ejectors in all major grooves prevent casing damage.

MAXIMUM REMOVAL MILES

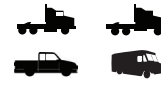
Deep tread depth delivers maximum miles.

Wider tread width for even load, distribution, improved stability, and excellent profile retention.



APPLICATION	RECOMMENDED	SUITABLE
LONG-HAUL	DRIVE	-
REGIONAL	DRIVE	-
URBAN	DRIVE	-
17.5 & 19.5	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Drive tire that delivers superb all season traction and high mileage for local and regional operations.
- Features 3PMS raiting and wider tread width for even load distribution and improved stability.
- Deep tread ensures maximum mileage on pickup and delivery vehicles, while an N-speed rating matches OE specifications.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	14G	144/142L	540100	130.3 59.1	27 21	8.25 7.50-8.25	41.9 1065	11.1 282	18.8 478	12.1 307	6175@105 2800@726	5840@105 2649@726	308 495	75 120
11R22.5	16H	146/143L	540090	138.7 62.9	27 21	8.25 7.50-8.25	41.9 1065	11.1 282	18.8 478	12.1 307	6610@120 2998@829	6005@120 2723@829	308 495	75 120
11R24.5	16H	149/146L	540140	138.9 63.0	27 21	8.25 7.50-8.25	43.9 1116	11.1 282	19.8 504	12.1 307	7160@120 3248@829	6610@120 2998@829	294 473	75 120
LOW PROFILE														
225/70R19.5	14G	128/126N	540040	82.5 37.4	27 21	6.00 6.00-6.75	32.4 822	8.3 212	14.8 375	9.1 231	3970@110 1800@760	3750@110 1700@760	399 642	87 140
245/70R19.5	14G	133/131N	540050	83.6 37.9	23 18	7.50 6.75-7.50	33.6 853	9.9 251	15.2 387	10.8 274	4540@110 2060@760	4300@110 1950@760	385 619	87 140
295/75R22.5	14G	144/141L	540170	126.8 57.5	27 21	8.25 8.25-9.00	40.7 1034	11.1 282	18.4 466	12.1 307	6175@110 2800@760	5675@110 2574@760	317 510	75 120
315/80R22.5	20L	157/154L	540190	174.2 79.0	29 23	9.00 9.00-9.75	43.1 1096	12.3 312	19.3 490	13.4 340	9090@130 4123@898	8270@130 3751@898	294 473	75 120
285/75R24.5	14G	144/141L	540160	132.3 60.0	27 21	8.25 7.50-9.00	41.9 1064	10.8 275	19.0 483	11.8 300	6175@110 2800@760	5675@110 2574@760	308 496	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M704
Continental Scandanavia HD3
Goodyear Fuel Max RTD ULT



M655™

Regional, Urban, On/Off-Road,
Drive/All-Position Tire



SUPERIOR ALL WEATHER PERFORMANCE

Wide, aggressive tread design delivers optimal traction in snow, mud, and sand.

Multi-wave sipes improve braking on ice, wet, and dry roads.

CASING DURABILITY AND EXCEPTIONAL RETREADABILITY

Aggressive sidewall protector reduces cutting and curb damage.

E-balance profile minimizes growth of the tread profile and maintains uniform and flatter tread radius for the entire life of the casing.



MAXIMUM REMOVAL MILES

E-balance provides optimum footprint wear to increase mileage performance.

Wider tread width for even load distribution, improved stability, and excellent profile retention.

Multi-stage bridge supports block stiffness for long, even wear.

Extra-wide block and lug pattern with optimized tread depth offers excellent mileage.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	DRIVE	-
URBAN	DRIVE	-
ON/OFF ROAD	DRIVE	STEER

5 Years
Limited Warranty



FEATURES AND BENEFITS

- The Toyo M655 has been created to meet the demands of the modern mixed service commercial customer.
- The M655 was designed and tested year round, in harsh Canadian conditions, to ensure your fleet keeps moving. Maximizing uptime, to save you money.
- Wider groove and wall-angle prevent stone holding. Stone ejector in all grooves prevents stone drilling and reduce casing damage by stone.
- M655 Power Line will offer our fleet customers a single powerline On/Off commercial traction pattern for all construction vocational applications. Targeted specifically at fleet business.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
225/70R19.5	14-G	128/126N	556640	70.3 31.9	20 16	6.0 6.00-6.75	32.3 821	8.5 217	14.8 375	9.3 237	3970@110 1800@760	3750@110 1701@760	400 643	87 140
245/70R19.5	16-H	136/134N	556650	81.8 37.1	21 16	7.5 6.75-7.50	33.5 850	9.9 251	15.2 386	10.8 274	4940@120 2240@829	4675@120 2120@829	386 621	87 140
265/70R19.5	14-G	140/138N	111300	84.0 38.1	20 15.9	7.5 7.50-8.25	34.5 877	10 254	16.1 408	10.8 274	5510@112 2499@772	5205@112 2361@772	374 602	87 140
295/75R22.5	14-G	144/141L	556810	122.2 55.5	28 22.3	9 8.25-9.00	40.7 1034	11.1 282	18.9 481	12.1 307	6675@110 2801@758	5675@110 2574@758	317 510	75 120
11R22.5	16-H	146/143L	556790	129.0 58.5	28 22.3	8.25 7.50-8.25	42.1 1069	11.1 282	19.6 497	12.2 309	6610@120 2998@827	6005@120 2724@827	307 494	75 120
11R24.5	16-H	149/146L	556800	138.9 63.0	28 22.3	8.25 7.50-8.25	44.0 1118	11.1 282	20.5 420	12.2 309	7160@120 3248@827	6610@120 2998@827	293 472	75 120

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Michelin X Multi D, XDS2
Bridgestone M770, M799
Goodyear G182 RSD
BFGoodrich Route Control D

Continental HDR2+
Yokohama 715R
Hankook DH06
Firestone FD711



M608Z™

Premium drive radial.

EXCEPTIONAL TRACTION

Extra-wide lug and block pattern offers superior traction in snow, mud, and sand.

EXCELLENT REMOVAL MILEAGE

Extra-wide block and lug pattern with optimized tread depth offers excellent mileage.

CASING DURABILITY AND ENHANCED RETREADABILITY

Four-steel-belt construction contributes to casing durability.



APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	DRIVE	-
URBAN	DRIVE	-
ON/OFF ROAD	DRIVE	-
17.5 & 19.5	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Dependable drive-axle radial ideal for local and regional over-the-highway use.
- Select sizes are available in N-speed rating to match OE specifications.
- Four-belt construction, combined with an open-shoulder lug design, delivers outstanding traction, high mileage, and excellent retreadability.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
M608Z														
215/75R17.5	12F	124/123L	316080	60.2 27.3	19 15	6.00 6.00-6.75	30.7 781	8.5 215	13.9 354	9.2 234	3530@100 1601@692	3420@100 1551@692	420 676	75 120
245/70R19.5	16H	136/134N	562180	78.7 35.7	19 15	7.50 6.75-7.50	33.2 844	9.4 240	15.1 384	10.3 262	4940@120 2240@829	4675@120 2120@829	388 625	87 140
265/70R19.5	14G	140/138L	556190	84.2 38.2	20 16	7.50 7.50-8.25	34.3 872	10.5 267	15.5 395	11.5 291	5070@110 2299@761	4675@110 2120@761	376 605	75 120
285/70R19.5	16H	145/143L	556120	96.6 43.8	21 16	8.25 8.25-9.00	35.3 896	11.4 290	15.9 404	12.4 316	6395@125 2900@865	6005@125 2723@865	366 589	75 120
M608														
225/70R19.5	12F	125/123N	556230	72.8 33.0	20 16	6.00 6.00-6.75	32.3 821	8.3 212	14.8 375	9.1 231	3640@95 1651@657	3415@95 1549@657	400 643	87 140
225/70R19.5	14G	128/126N	556170	73.4 33.3	20 16	6.00 6.00-6.75	32.3 821	8.3 212	14.8 375	9.1 231	3970@110 1800@761	3750@110 1701@761	400 643	87 140

*Bold designates measuring rim width
Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22
Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph*

COMPARES TO

Bridgestone M729F
Continental HDR+
Goodyear G622 RST ULT

Michelin XDS2
Yokohama 714R



ON



N/OFF ROAD



M503Z™

Premium drive axle radial designed for on/off-road applications.

MAXIMUM TRACTION

Deep lug tread provides traction on muddy, slippery, and abrasive surfaces.

Wide-belt construction contributes to long, even wear.



EXCELLENT DURABILITY

V-shaped groove design ejects packed stones at low speeds to prevent stone drilling.

Tough tread compound resists cuts and chips to extend tire life.

APPLICATION	RECOMMENDED	SUITABLE
ON/OFF ROAD	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Deep lug design is effective on muddy and harsh off road conditions.
- V-shaped grooves eject stones to prevent stone drilling.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
M608Z														
11R22.5	16H	146/143K	549100	125.7 57.0	26 21	8.25 7.50-8.25	41.9 1063	11.3 286	18.8 477	12.3 312	6610@120 2998@829	6005@120 2723@829	308 496	68 110
11R24.5	16H	149/146K	549120	136.0 61.7	26 21	8.25 7.50-8.25	43.9 1114	11.3 286	19.8 503	12.3 312	7160@120 3247@829	6610@120 2998@829	295 474	68 110

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Goodyear G282 MS2

Michelin XDS2



M588™

Premium drive axle radial designed for on/off road applications.

LONG TREAD LIFE

Durable belt package and tread design provides even contact pressure and distribution across the tread surface to resist irregular wear.

MAXIMUM TRACTION

Large blocks with high-void-ratio design improve traction in both on/off-road applications.

CASING DURABILITY AND ENHANCED RETREADABILITY

Special cut-and-chip resistant compound.

Stone ejectors in all channels help protect the casing from stone damage.



APPLICATION	RECOMMENDED	SUITABLE
ON/OFF ROAD	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Heavy duty on-off road drive tire recommended for use in severe service applications such as oil and gas transport and logging operations.
- Deep tread, tough construction, and a special cut-and-chip resistant compound deliver long tire life for severe-use vehicles.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
M608Z														
11R22.5	16H	146/143K	549210	144.0 65.3	33 27	8.25 7.50-8.25	42.7 1084	11.1 282	19.1 486	12.1 307	6610@120 2998@829	6005@120 2723@829	303 487	68 110
11R24.5	16H	149/146K	549190	156.7 71.1	33 27	8.25 7.50-8.25	44.5 1131	11.1 282	20.1 510	12.1 307	7160@120 3247@829	6610@120 2998@829	290 467	68 110

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M775
Continental HDC1 HT

Goodyear G741 MSD
Michelin X Works Grip D



M506Z™

Heavy duty on/off drive radial.

DSOC II

MAXIMUM REMOVAL MILES

Tough tread compound resists cuts and chips to extend tire life.

EXCELLENT PERFORMANCE AND SAFETY

Deep tread provides traction in tough on/off-road conditions.

High natural rubber content delivers unmatched cut and chip resistance.

CASING DURABILITY AND ENHANCED RETREADABILITY

Four-steel-belt construction contributes to casing durability.



APPLICATION	RECOMMENDED	SUITABLE
URBAN	DRIVE	-
ON/OFF ROAD	DRIVE	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Premium extra-deep tread drive-axle radial for severe on/off road applications.
- Ideal for logging, construction, or other severe service where mud and abrasive conditions are common.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	16H	148/145G	549280	133.2 60.4	30 24	8.25 7.50-8.25	42.1 1070	11.3 286	18.9 480	12.3 312	6610@120 2998@829	6005@120 2723@829	306 493	55 90
11R24.5	16H	149/146G	549300	144.2 65.4	30 24	8.25 7.50-8.25	44.1 1121	11.3 286	19.9 506	12.3 312	7160@120 3247@829	6610@120 2998@829	293 471	55 90

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M779
Continental HDC3
Goodyear Workhorse MSD

Michelin X Works D
Yokohama LY053



M325™

Heavy duty on/off all position radial.



MAXIMUM REMOVAL MILES

Durable cut-and-chip resistant tread compound extends tire life.

CASING DURABILITY AND ENHANCED RETREADABILITY

Specially designed stone ejectors in every groove minimize casing damage.



EXCELLENT PERFORMANCE AND SAFETY

Wide footprint with deep tread provides traction and stability in severe-duty applications.

APPLICATION	RECOMMENDED	SUITABLE
URBAN	STEER, TRAILER	DRIVE
ON/OFF ROAD	STEER, TRAILER	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Premium all-position, mixed service tire that is rugged enough to withstand severe service applications in the construction, energy, mining, and logging industries.



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
11R22.5	16H	146/143K	546250	134.3 60.9	25 20	8.25 7.50-8.25	41.8 1062	11.1 282	19.4 494	12.2 309	6610@120 3000@825	6005@120 2725@825	309 497	68 110
315/80R22.5	20L	K	546280	157.0 71.2	24 19	9.00 9.0-9.75	43.0 1091	12.3 312	19.2 507	13.4 339	10200@130 4360@900	9090@130 4125@900	301 484	68 110
255/70R22.5	16H	140/137L	546270	98.5 44.7	21 17	7.5 6.75-8.25	36.9 936	9.9 251	17.1 435	10.6 269	5510@120 2500@825	5070@120 2300@825	350 564	75 120
275/70R22.5	16H	148/145L	546260	117.5 53.3	22 18	8.25 7.50-8.25	38.2 971	10.8 275	17.8 452	11.6 294	6940@130 3150@900	6395@130 2900@900	337 543	75 120
CR														
11R24.5	16H	149/146K	546220	141.1 64	25 20	8.25 7.6-8.25	43.9 1116	11.1 282	20.4 519	12.2 309	7160@120 3250@825	6610@120 3000@825	294 473	68 110

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M853
Continental HSC 3
Goodyear G751 MSA

Michelin X Works Z
Yokohama 505C



M325 WB™

Heavy duty on/off steer tire.



MAXIMUM REMOVAL MILES

Durable cut-and-chip resistant tread compound extends tire life.

EXCELLENT PERFORMANCE AND SAFETY

Wide footprint with deep tread provides traction and stability in severe-duty applications.

CASING DURABILITY AND ENHANCED RETREADABILITY

Tough casing developed with e-balance technology minimizes growth of the tread profile and maintains a uniform and flatter tread radius for the entire life of the casing.



APPLICATION	RECOMMENDED	SUITABLE
URBAN	STEER, TRAILER	DRIVE
ON/OFF ROAD	STEER, TRAILER	-

5 Years
Limited Warranty



FEATURES AND BENEFITS

- Wide base steer tire designed for logging, mining, concrete mixers, and refuse trucks.
- Cut-and-chip resistant tire delivers extended tread life, dependable traction, and optimal durability



SIZES AND SPECIFICATIONS

TIRE SIZE	PLY	LOAD/SPEED	CODE	WEIGHT (Lbs/Kg)	TREAD (32"mm)	RIM DESIGN/ALT. (INCHES)	INFLATED DIAMETER (In./mm)	INFLATED WIDTH (In./mm)	STATIC LOADED RADIUS (In./mm)	STATIC LOADED WIDTH (In./mm)	MAX TIRE LOAD SINGLE (Lbs@PS/Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/Kg@KPa)	REVS PER (Km/Mile)	MAX SPEED (Mph/Kph)
385/65R22.5	18J	158K	546230	170.2 77.2	23 18	11.75 11.75-12.25	42.6 1083	14.8 376	19.8 504	15.7 399	9370@120 4250@825	-	303 487	68 110
425/65R22.5	20L	165K	546210	196.4 89.1	23 18.3	12.25 12.25-14.00	44.9 1140	16.3 415	20.0 507	17.8 452	11400@120 5150@825	-	288 463	68 110

Bold designates measuring rim width

Load ID Range: F = 12, G = 14, H = 16, J = 18, L = 20, M = 22

Speed Rating: J = 62 mph, K = 68 mph, L = 75 mph, M = 81 mph, N = 87 mph

COMPARES TO

Bridgestone M864
Continental HAC3
Goodyear Workhorse MSA

Michelin XZY3 WB
Yokohama 505C

TOYO TIRES®



Toyo Tires' e-balance technology for commercial truck tires improves fundamental performance characteristics and their compatibility with one another. These characteristics are tire life, irregular wear resistance, endurance and fuel consumption. All of these improvements help to lower fleet operating costs and make e-balance tires more environmentally friendly.

TREAD PROFILE RETENTION

Tires that utilize e-balance exhibit improved tread profile retention, meaning less service growth compared to conventional tires. The flatter tread radius provides an optimized footprint shape resulting in even wear, less irregular wear and longer life. Strain at the belt edge is reduced by approximately 30%, which also helps to improve tread profile retention.



SMARTWAY VERIFICATION



Toyo commercial tires with SmartWay badging are EPA SmartWay tested, verified and listed on the EPA website as SmartWay verified technology. SmartWay verified when used on class 8, long-haul tractors and trailers. As truck and tire designs are changing, verified tires may be advertised for other truck types or axle positions; however, EPA verification of rolling resistance is only for the specific class 8 tractor-trailer axle position(s) shown. If a tire is used on a different truck type or axle position, the tire is not considered SmartWay verified for that application.

Toyo Tires Current Smartway Verified Product Line-Up

BRAND NAME	AXLE POSITION	TIRE MODELS
Toyo Tires	Steer	M137, M177+, M154, M144A, M156,
Toyo Tires	Drive	M657, M650, M677, M675, NANOENERGY M671, M677+, M671A+
Toyo Tires	Trailer	M157, M175

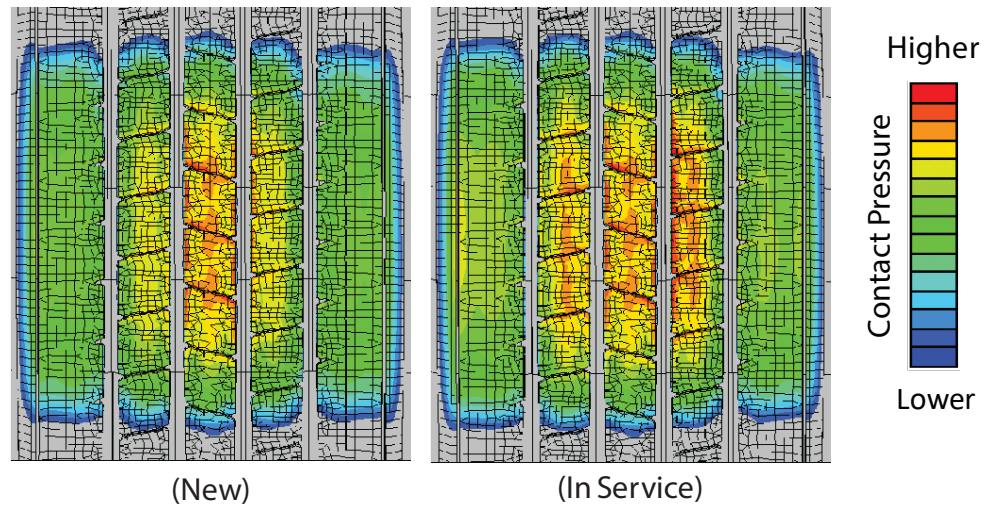
TOYO DSOC II™ TECHNOLOGY

Toyo Tires engineers study the process of irregular wear using the DSOC II (Dynamic Simulation Optimized Contact) system. DSOC II is a sophisticated computer program that simulates forces acting on a tire under actual operating conditions. The simulation reveals stress levels within the tire, how speed changes affect footprint size and shape, as well as other factors.

A truck tire in motion changes its contour or shape according to its load and operating speed. DSOC II™ Technology allows Toyo Tires engineers to observe these changes in great detail. This remarkable technology has made design breakthroughs easier to achieve and has also significantly reduced development time.

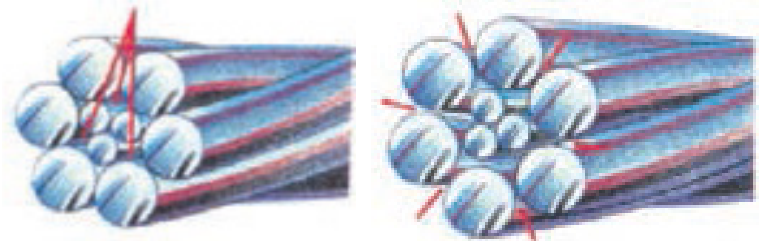
SIMULATION WITH DSOC II™ TECHNOLOGY

Dynamically measures footprint shape and contact pressure simulated over the service life of a tire



LONG CASING LIFE

Our high-tensile, open cord construction for casing and belts keeps moisture and oxygen from entering the cord bundle to combat corrosion. The result is less fatigue, longer casing life, and higher retreadability.

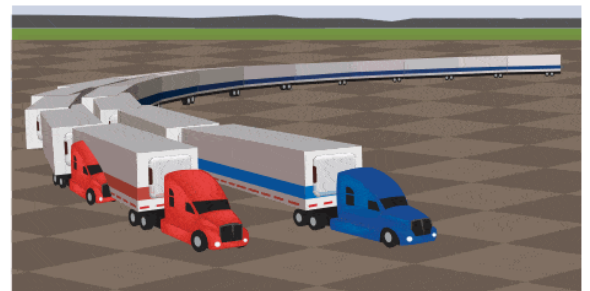


Non-Toyo Tires:
Room for air

Toyo Tires:
Improved rubber penetration

SIMULATION

There are four simulation technologies utilized in e-balance. Tire irregular wear, tire profile change, tread pattern noise and vehicle handling behaviour. All of these areas are analyzed with careful consideration to how they affect one another. This new simulation technology allows for optimization of tire design with much higher accuracy than what was possible before.



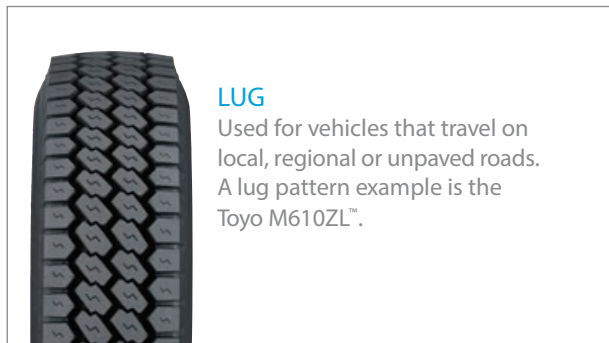
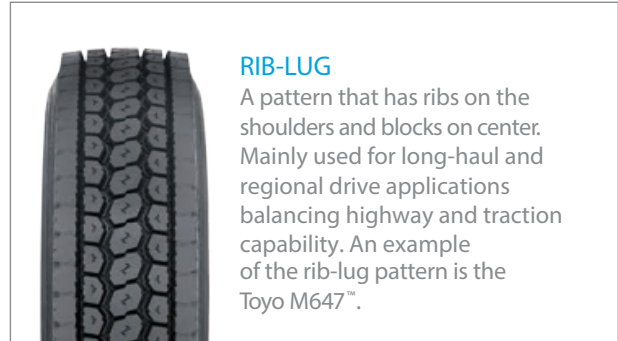
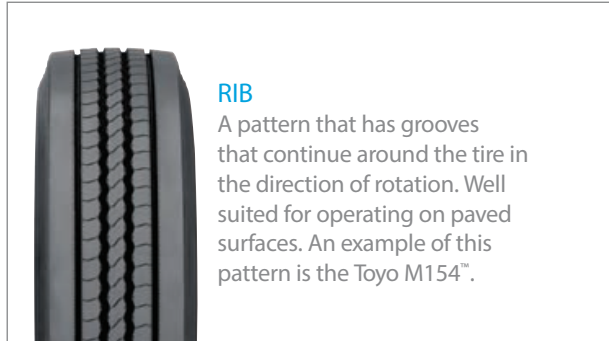
Blue truck: e-balance/ Red Truck: without e-balance
V: 40Km/h Steering Angle 90°

T-Mode simulation is a computer process to confirm handling of a vehicle using the data of dynamic tire characteristic and vehicle features.

TREAD CONFIGURATIONS

TREAD PATTERNS

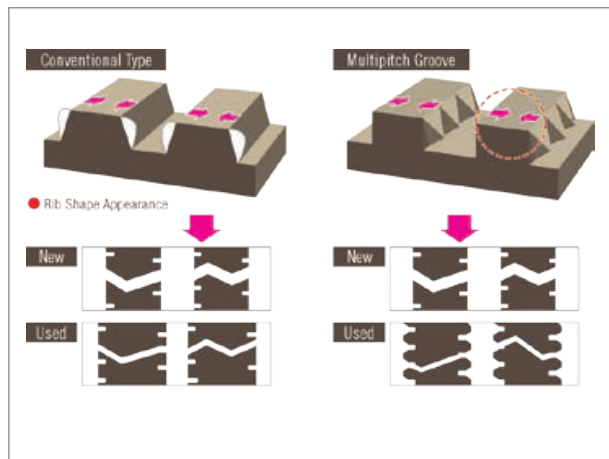
There are four basic tread patterns that are used for truck and bus tires. Each one is suited for a particular application.



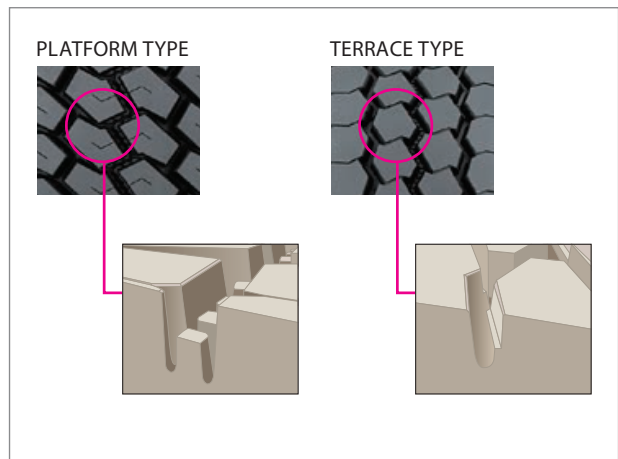
MULTI-PITCH GROOVE AND STONE EJECTORS

The multi-pitch groove and stone ejectors both offer superior performance and longer tire life. As wear progresses, groove configuration changes to a zigzag shape, enabling consistent traction throughout the life of a tire. The stone ejectors help prevent casing damage when stones become wedged in grooves, otherwise known as stone drilling.

MULTI-PITCH GROOVE



STONE EJECTORS



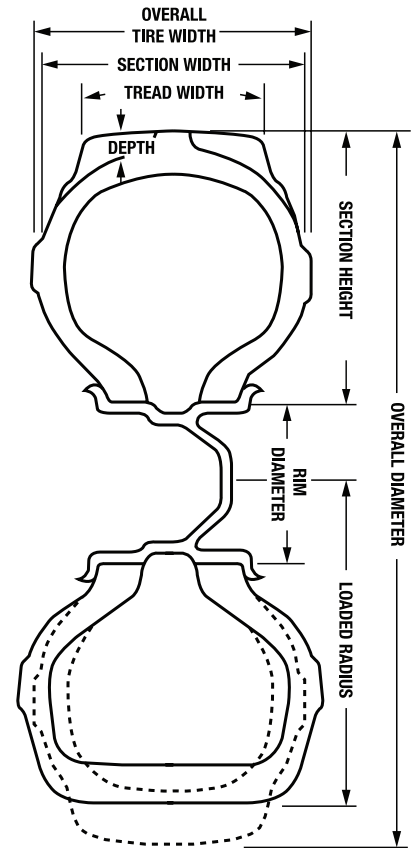
TIRE SIZE AND DIMENSION DEFINITIONS

The size and strength of each tire are identified and indicated on the tire.

For example:

10.00 R 20 14PR — Ply Rating
 — Nominal Rim Diameter (inches)
 — Radial Construction
 — Nominal Section Width (inches)

285/75R24.5 14G
 — Load Range
 — Ply Rating
 — Tubeless Rim Diameter (inches)
 — Radial Construction
 — Aspect Ratio
 — Nominal Section Width (inches)



PLY RATING

Ply rating is used to identify a given tire with its maximum recommended load when used in a specific type of service. It is an index of tire strength and does not necessarily represent the number of cord plies in the tire.

LOAD RANGE

Load range is merely a letter used to correspond with a ply rating.

PLY RATING	2	4	6	8	10	12	14	16	18	20	22	24
LOAD RANGE	A	B	C	D	E	F	G	H	J	L	M	N

TREAD DEPTH

Tread Depth indicates the depth of grooves in the tread.

MEASURING RIM WIDTH

Measuring Rim Width is the specific rim width assigned to each tire size designation to determine the tire dimensions.

OVERALL DIAMETER

The diameter of a new tire mounted on the rim and inflated under no load.

OVERALL WIDTH

The width of a new tire including normal growth due to inflation and including bars, letters or decorations embossed on sidewalls.

STATIC LOADED RADIUS

The shortest distance from the axle center to a flat contact surface of a tire mounted on the approved rim at the specified inflation pressure, and loaded with the specified load.

SPEED SYMBOL

The Speed Symbol indicates the speed at which the tire can carry a load corresponding to its Load Index under service conditions specified by the tire manufacturer.

SPEED SYMBOL	SPEED (KM/H)	SPEED (MPH)	SPEED SYMBOL	SPEED (KM/H)	SPEED (MPH)
A1	5	3	K	110	68
A2	10	6	L	120	75
A3	15	9	M	130	81
A4	20	12	N	140	87
A5	25	16	P	150	93
A6	30	19	Q	160	99
A7	35	22	R	170	106
A8	40	25	S	180	112
B	50	31	T	190	118
C	60	37	U	200	124
D	65	40	H	210	130
E	70	43	V	240	149
F	80	50	W	270	168
G	90	55	Y	300	186
J	100	62	(Y) ZR*	314 OPEN ENDED	195 OPEN ENDED

*Consult tire manufacturer for top speed capability.

NOTE: All calculation for KM/H to MPH and KG to LBS are rounded off. Your calculation may differ. If in doubt, use Tire and Rim Association recommendation.

LOAD INDEX

The Load Index is a numerical code associated with the maximum load a tire can carry at the speed indicated by its Speed Symbol under service conditions specified by the tire manufacturer.

LI	KG	LBS	LI	KG	LBS	LI	KG	LBS	LI	KG	LBS
100	800	1765	121	1450	3195	142	2650	5840	163	4875	10700
101	825	1820	122	1500	3305	143	2725	6005	164	5000	11000
102	850	1875	123	1550	3415	144	2800	6175	165	5150	11400
103	875	1930	124	1600	3525	145	2900	6395	166	5300	11700
104	900	1985	125	1650	3640	146	3000	6610	167	5450	12000
105	925	2040	126	1700	3750	147	3075	6780	168	5600	12300
106	950	2095	127	1750	3860	148	3150	6940	169	5800	12800
107	975	2150	128	1800	3970	149	3250	7160	170	6000	13200
108	1000	2205	129	1850	4080	150	3350	7390	171	6150	13600
109	1030	2270	130	1900	4190	151	3450	7610	172	6300	13900
110	1060	2335	131	1950	4300	152	3550	7830	173	6500	14300
111	1090	2405	132	2000	4410	153	3650	8050	174	6700	14800
112	1120	2470	133	2060	4540	154	3750	8270	175	6900	15200
113	1150	2535	134	2120	4675	155	3875	8540	176	7100	15700
114	1180	2600	135	2180	4805	156	4000	8820	177	7300	16100
115	1215	2680	136	2240	4940	157	4125	9090	178	7500	16500
116	1250	2755	137	2300	5070	158	4250	9370	179	7750	17100
117	1285	2835	138	2360	5205	159	4375	9650	180	8000	17600
118	1320	2910	139	2430	5355	160	4500	9920			
119	1360	3000	140	2500	5510	161	4625	10200			
120	1400	3085	141	2575	5675	162	4750	10500			

Load limits at various speeds for radial ply truck tires used on improved surfaces.
(These tables do not apply to rims or wheels. Consult rim and wheel manufacturer.)

Tire and Rim Association Standard

Table 1 - Truck/Bus Tires

The service load and minimum (cold) inflation must comply with the following limitations unless a speed restriction is indicated on the tire:

Tire and Rim Association Standard

(These tables apply to tires only. Consult rim/wheel manufacturer for rim/wheel load and inflation capabilities).

Load limits at various speeds for radial ply truck tires used on improved surfaces.

1. FOR METRIC AND WIDE-BASE TIRES

SPEED RANGE (MPH)	% LOAD CHANGE	INFLATION PRESSURE CHANGE
41 THRU 50	+7%	NO INCREASE
31 THRU 40	+9%	NO INCREASE
21 THRU 30	+12%	+10 PSI
11 THRU 20	+17%	+15 PSI
6 THRU 10	+25%	+20 PSI
2.6 THRU 5	+45%	+20 PSI
CREEP THRU 2.5	+55%	+20 PSI
CREEP**	+75%	+30 PSI
STATIONARY	+105%	+30 PSI

2. FOR CONVENTIONAL TIRES

SPEED RANGE (MPH)	% LOAD CHANGE	INFLATION PRESSURE CHANGE
41 THRU 50	+9%	NO INCREASE
31 THRU 40	+16%	NO INCREASE
21 THRU 30	+24%	+10 PSI
11 THRU 20	+32%	+15 PSI
6 THRU 10*	+60%	+30 PSI
2.6 THRU 5*	+85%	+30 PSI
CREEP THRU 2.5*	+115%	+30 PSI
CREEP* **	+140%	+40 PSI
STATIONARY*	+185%	+40 PSI

*Apply these increases to Dual Loads and Inflation Pressures.

**Creep - Motion for not over 200 feet in a 30-minute period.

NOTE: The inflation pressures shown in the referenced tables are minimum cold pressures for the various loads listed. Higher pressures should be used as follows:

A: When required by the above speed/load table.

B: When higher pressures are desirable to obtain improved operating performance.

For speeds above 20 MPH, the combined increases of A and B should not exceed 10 PSI above the inflation specified for the maximum load of the tire.

THE MAXIMUM LOAD AND INFLATION CAPACITY OF THE RIM MUST NOT BE EXCEEDED.

SAFETY AND MAINTENANCE

E. Rims/Wheels:

- Always make sure that the tire wheel diameter and the rim/wheel diameter are identical. For example, do not mount a 17" tire on a 17.5" wheel, or similar incorrect combinations: 19" and 19.5", 22" and 22.5", 24" and 24.5". NEVER assemble a tire and rim unless you have positively identified and correctly matched the combination.
- Use rims and wheels that are approved for radial tires and that are rated for the pressure and loads required for the intended tire fitment. Consult the rim or wheel manufacturer for further information regarding proper application and use.
- Do not attempt to mount and inflate any tire on a bent, cracked, damaged or welded rim or wheel.
- Never exceed the maximum load or inflation limit of the rim or wheel. Consult the rim/wheel manufacturer for further information regarding application or use.

F. Inflation:

- Always follow the safety guidelines in the OSHA Publication when inflating a newly mounted tire, including the use of a safety cage, an extension hose with gauge, and clip-on air chuck for inflating the tire. Stand back from the tire and never lean or reach over the assembly during inflation.
- Never attempt to inflate any tire that may have damaged cords, inner liner wrinkling, heat deterioration, casing distortion, or other signs of underinflation, run flat, separation, or air leakage.



WARNING: If you attempt to inflate any tire that may have been damaged from underinflation/overload, or a run-flat condition, it may explode with violent force, which can result in serious injury or death.

G. Never introduce flammable substances to the interior of any tire during either the mounting process or during inflation. Such practices can cause an explosion that may result in injury or death.

H. Mixing Tires: For trucks with four wheel positions, never mix radial and non-radial tires on the same axle.

- If two radial tires are used with a pair of non-radial tires, the radial tires should be placed on the rear axle.
- On a dual axle, never mix radial with bias tires.
- Use tires with a similar tread design and remaining tread depth to ensure consistent handling.

Refer to the vehicle owner's manual for specific instructions regarding the mixing and matching of replacement tires.

TIRE USE AND MAINTENANCE

I. Tire Pressures Use an accurate tire gauge to routinely check inflation pressures, and always check the pressure when the tires are cold (i.e., before driving on them).

- Measuring inflation pressures when the tire is hot will generate inaccurate pressure readings. Never bleed pressure from hot tires as this can result in underinflated tires.
- Never run on tires that are underinflated.
- Use metal valve caps to keep cores clean, clear of debris and to help guard against air leakage.

SAFETY WARNINGS AND ADVICE

Toyo Tires are designed and built with great care. Any tire, no matter how well constructed, can fail as a result of punctures, impact damage, underinflation/overloading, or other conditions resulting from use. To obtain the highest possible performance, tires must be properly handled and maintained.



WARNING: Failure to follow the safety information provided below can result in tire failure or explosion that may cause serious injury or death.

TIRE MOUNTING AND REPAIR

- A. Tire service personnel should be trained to follow the safety precautions for mounting, inflating, or dismounting tires as outlined by the Occupational Health and Safety Administration: <http://www.osha.gov/publications/wheel/wheel-chart-booklet.pdf>. ("Occupational Safety and Health Administration Publication") Only specially trained persons using the proper tools and procedures should service tires.
- B. Upon dismounting the tire from the vehicle, completely deflate the tire before handling.
- C. Inspect the interior and exterior of all tires prior to mounting.



WARNING: Permanent tire damage due to underinflation and/or overloading cannot always be detected. Any tire known or suspected to have been run at 80% or less of the recommended inflation pressure and/or operated in an overloaded condition could have suffered permanent structural damage (e.g., steel cord fatigue). Steel ply cords weakened by the extreme flexing caused by the underinflation and/or overloading could break apart until a rupture occurs in the upper sidewall with accompanying instantaneous and explosive air loss.

- D. When repairing tires, follow instructions as outlined in the RMA publication and wall chart "Puncture Repair Procedures for Truck/Bus Tires": <http://www.rma.org/product/puncture-repair-procedures-for-truckbus-tires-wall-chart/>
 - External repairs or repairs that are done without dismounting the tire from the rim or wheel are considered improper.
 - Never use a tube as a substitute for a proper repair.
 - If you are unsure about the reparability of a tire, consult your tire dealer or retreading professional for further details on proper repair methods.

The Load: Check the inflation pressures to make sure they are rated for the load.

- Never overload your tires.
- In dual-wheel applications, it is possible to overload a tire if one of the tires is underinflated or flat.
- If a tire has been driven in an overloaded condition, have it inspected and replaced.

WARNING

WARNING: Underinflation or overloading will result in tire fatigue and sudden tire failure. This could lead to loss of vehicle control, possibly resulting in personal injury or death.

Consult your Toyo Tires commercial truck tire dealer or Toyo Tires for proper load and inflation information.

- J. Speed Ratings:** Never run tires at speeds in excess of their speed ratings as the tires may overheat and suddenly fail. This could lead to loss of vehicle control, possibly resulting in personal injury or death. Consult your Toyo Tires commercial truck tire dealer for further information concerning speed ratings for specific Toyo Tires commercial truck tires.
- K. Routine Inspections:** Check your tires for any damage or irregular wear prior to each trip. Irregular wear may indicate improper tire balance, vehicle misalignment, or worn parts. Your authorized Toyo Tires commercial truck tire dealer is also available to inspect and service your tires. A routine inspection of your tires will help to ensure your safety, and give you the maximum mileage and performance from your Toyo Tires.

WARNING

WARNING: Beware of Sudden Tire Vibrations: Serious injury or death may result from a tire failure. Many tire failures are preceded by vibration, bumps, bulges, or irregular wear. If you experience any unusual vibration, pull, ride disturbance or noise from your vehicle, pull over to a safe area as soon as possible and inspect the tires for signs of damage. Seek roadside assistance or replace the damaged tire with your spare.

- L. Worn Tires:** All tires have wear indicator bars incorporated into the tread at 2/32" to signal when the tires must be replaced. Never drive on tires that are worn past the wear indicator bars. Commercial truck tires that are mounted on the front axles of buses, trucks or truck tractors need to be replaced at 4/32" (3.2mm).

WARNING

WARNING: Continued operation of your vehicle with excessively worn tires can lead to loss of vehicle control in wet or adverse weather conditions, possibly resulting in personal injury or death.

Tire Storage

- M. Follow these recommended guidelines for storage of your tires:**
 - Store tires in a cool, dry area away from major heat sources.
 - Avoid contact of the surfaces with petroleum or oil-based products.
 - It is best to store tires in an enclosed area with no exposure to electromagnetic sources such as electric welders, generators, or transformers.Failure to store tires in accordance with these instructions can cause damage resulting in sudden tire failure.

TECHNICAL BULLETIN

TSD-12-013

August 2012

TIRE INFLATION: MULTI-PURPOSE PASSENGER VEHICLES

This bulletin supersedes all prior Toyo Tires publications related to tire inflation for Multi-purpose passenger vehicles, including recreational vehicles. The purpose of this bulletin is to disseminate Toyo Tires' recommendation and policy regarding inflation and tire maintenance of original equipment tires, and direct replacement tires (same size and load range) on Multi-purpose passenger vehicles.

For the purpose of this bulletin Multi-purpose passenger vehicles include all vehicles equipped with LT-designated tires, or medium-duty truck tires. Multi-purpose vehicles include recreational vehicles (including Class A, C, and B RVs), buses, and EMS (emergency medical service) vehicles.

INFLATION OF ORIGINAL EQUIPMENT TIRES AND MULTI-PURPOSE PASSENGER VEHICLES:

Toyo Tires' policy is to maintain the pressure specified on the vehicle's tire information placard (certification label) as established by the vehicle manufacturer or final stage manufacturer.

Replacement tires must also be capable of supporting no less than the vehicle's GAWR (per axle).

TIRE INFLATION AND GAWR INFORMATION:

The vehicle's tire information placard (certification label) includes information regarding the tire size, inflation, GAWR and other information. The tire information placard is usually located on the driver's door hinge pillar, door latch post, or the door edge. In RVs the tire information placard is placed on the bulkhead at the left of the driver's seating position.

EXAMPLE – TIRE INFORMATION PLACARD (CERTIFICATION LABEL):

The diagram shows a rectangular placard with the following text:

DATE: 09/03	GVWR: 8800LB / 3991KG
FRONT GAWR: 4850LB 2199KG	REAR GAWR: 6084LB 2759KG
Tire Size: LT265/75R16 16X7.0K	WITH TIRES RIMS: LT265/75R16 16X7.0K
Inflation: AT 345 kPa / 50	WITH TIRES RIMS: AT 485 kPa / 70

Below the table, the placard contains the following text:

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.
VIN: 1FTNW20P64EA89206
TYPE: TRUCK

In the bottom right corner, there is a box containing the text: F0789 T1407

Red arrows point from labels on the left to the corresponding information on the placard: 'GAWR' points to the front and rear GAWR values, 'Tire Size' points to the tire size and rim information, and 'Inflation' points to the inflation values. The inflation values '50' and '70' are circled in red.

CANADIAN TECHNICAL STANDARDS

Transport Canada Technical Standard Document (TSD) No. 120 requires the following of vehicle manufacturers when applying original tires to vehicles:

The sum of the maximum load ratings of the tires fitted to an axle shall not be less than the gross axle weight rating (GAWR) of the axle system as specified on the vehicle's compliance label (tire information placard).

Consequently, vehicle manufacturers are required by federal regulations to apply tires of a sufficient size, load range, and load capacity (by inflation) to support no less than the GAWR.

GAWR DEFINITION:

The maximum allowable weight the axle assembly is designed to support as determined by the vehicle manufacturer. This includes both the weight of the axle and the portion of the vehicle's weight carried by the axle.

GVWR DEFINITION:

The maximum permissible weight of the vehicle, including the unloaded vehicle weight plus all fluids, cargo, passengers, optional equipment and accessories. For safety and product performance, do not exceed the GVWR.

CHECKING LOADED AXLE WEIGHTS AND LOAD DISTRIBUTION:

Consumers should make themselves aware of the loaded weight on each axle and wheel position of their vehicles and achieve as equal distribution of side-to-side weight as possible by redistributing cargo or payload as required. This can be determined by weighing each wheel position of the vehicle on a public scale. In any case where the vehicle axle loads exceed the loads stated on the vehicle placard, all attempts should be made to reduce the vehicle's weight prior to driving. **A vehicle must never be operated when the loaded weight of any axle exceeds the GAWR, nor should any vehicle be operated when the actual loaded weight exceeds the gross vehicle weight rating (GVWR).**

TIRE INSPECTION AND TIRE ROTATION:

The practice of rotating tires on multi-purpose vehicles should take into consideration any past underinflation of tires. **Any tire that has been run underinflated for any length of time may become dangerously fatigued (damaged internally), and subject to sudden failure.** The term "underinflation" may be defined as the operation of any tire below an inflation level required to support the tire's actual load (according to tire load and inflation charts). Toyo Tires recommends that any tire that was known or suspected of being run underinflated or overloaded should be dismantled and fully inspected by a qualified tire professional for any damage or indications of fatigue before being routed or returned to service.

TECHNICAL BULLETIN

TIRE DAMAGE AND AGING (NON-COMMERCIAL USE):

Vehicle operating conditions and tire maintenance practices vary widely. Tires should be routinely checked for damage or signs of fatigue or aging. This should be done at scheduled vehicle maintenance intervals and preferably on a lift, so that the tires can be thoroughly inspected by a tire professional.

REDUCING INFLATION PRESSURE – VEHICLE CERTIFICATION LABEL:

Under no circumstances should the tire inflation pressure be reduced below that stated on the vehicle's tire information placard to achieve improvements in ride comfort. If you do not know where the tire information placard is, contact your vehicle manufacturer for its location and tire inflation recommendation. For RVs, the information placard is usually placed on the wall or bulkhead to the left of the driver's position.

AIR COMPRESSOR CAPACITY:

For vehicles equipped with air compressors. Some compressors may not be capable of inflating the tire to the required inflation pressure. In this case, consumers should take their vehicle to a retail tire shop or commercial vehicle repair shop with a higher capacity air compressor.

CHECK COLD TIRE INFLATION PRESSURE PRIOR TO DRIVING:

The cold tire inflation pressures of each wheel should be checked at least once per week and any corrections in cold tire inflation pressure should be made prior to a trip. "Cold" means that the tires are at the same temperature as the surrounding air, such as when the vehicle has been parked overnight. Never bleed air from a tire that has been run. It is normal for a tire's inflation pressure to increase (hot inflation pressure) after running (for example 30 minutes or more driving time).

TIRE AIR PRESSURE LOSS:

All tires lose air at the rate of 1 – 1.5 PSI per month due to the natural permeation of the air through the tire's rubber membrane. Always check the cold inflation pressure of any vehicle that has not been driven for several weeks and re-inflate the tires to the placard pressure before driving.

Tire pressure is affected by the ambient temperature to the extent of approximately 1 PSI per -12-degree (C) change in temperature. As an example, a -7 deg. (C) drop in temperature will result in a 2 PSI drop. A +7 deg. (C) increase in ambient temperature will result in a 2 PSI increase. As ambient temperatures drop, tire pressure should be checked and the air pressures increased as required.

Aside from tire pressure fluctuations due to ambient temperature, any unexplained air loss, such as 1 PSI or more per week, should be investigated for the cause(s), such as a nail puncture, leaking valve stem, etc., and corrected prior to driving.

DRIVING SPEED – TIRE FATIGUE:

Tires designated as “LT” tires and medium-duty truck tires have less resistance to heat buildup compared to passenger tires, and are more susceptible to internal damage and fatigue if they are run underinflated, overloaded, or in excess of their (rated) speed capacity. **Driving at sustained high speeds with underinflated and/or overloaded tires may lead to immediate tire failure.** Driving in excess of the tire’s speed capability – even if properly inflated – may result in sudden tire failure. Consult the tire manufacturer regarding the speed limitation of the size and type of tire you are using. It is the driver’s responsibility not to exceed posted speeds.

FAQS FOR TIRE INFLATION ON MULTI-PURPOSE VEHICLES:

Q: If my tire and axle loads are below the vehicle’s GAWR, can Toyo Tires recommend a more suitable air pressure than that shown on the vehicle’s tire information placard?

A: No. The vehicle’s placard pressure will provide some measure of air pressure “reserve” over that required for the actual load, thus providing a safety margin

Q: What if the vehicle’s certification placard inflation pressure is too high or low?

A: The vehicle’s certification placard inflation is not determined at the whim of the vehicle manufacturer. It is established in accordance with Transport Canada’s Technical Standards Document No.120 that require the tire size, load range and load capacity (by inflation) shall provide load capacity not less than the vehicle’s gross axle weight rating (GAWR). Although vehicle manufacturers must comply with this regulation, some originally installed tires may require higher or lower placard pressures depending on the size, load range, and load capacity of the tire.

Q: What are the consequences of inflating tires to accommodate the actual loads?

A: If the inflation pressure corresponds to the actual tire load according to the tire manufacturer’s load and pressure table, the tire will be running at 100% of its rated load at that pressure. This practice may not provide sufficient safety margin. Any air pressure loss below the minimum required to carry the load can result in eventual tire failure.

LOAD AND INFLATION TABLES

TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES

* NEVER exceed the sidewall markings for the maximum loads and inflation pressures.

Note: Letters in parentheses denote Load Range for which Bold Face loads are maximum. International Load Index numbers are shown after the Load Range.

Tire Size	PSI		70	75	80	85	90	95	100	105	110	115	120	125	130
215/75R17.5	Dual	lbs.	2570	2715	2860	3000	3140	3280	3420(F)	-	-	-	-	-	-
	Single		2650	2800	2950	3095	3240	3385	3530(F)	-	-	-	-	-	-
215/75R17.5	Dual	lbs.	2550	2695	2835	2980	3120	3255	3390	3530(G)	-	-	-	-	-
	Single		2710	2865	3015	3165	3310	3460	3605	3750(G)	-	-	-	-	-
225/70R19.5	Dual	lbs.	2720	2860	3000(E)	3115	3245	3415(F)	3490	3615	3750(G)	-	-	-	-
	Single		2895	3040	3195(E)	3315	3450	3640(F)	3715	3845	3970(G)	-	-	-	-
245/70R19.5	Dual	lbs.	-	-	3415	3515	3655	3860(F)	3940	4075	4300(G)	4345	4540(H)	-	-
	Single		-	-	3640	3740	3890	4080(F)	4190	4335	4540(G)	4620	4805(H)	-	-
265/70R19.5	Dual	lbs.	-	-	3750	3930	4095	4300	4405	4415	4675(G)	-	-	-	-
	Single		-	-	3970	4180	4355	4540	4685	4850	5070(G)	-	-	-	-
265/70R19.5	Dual	lbs.	-	-	-	4235	4435	4630	4825	5015	5205(G)	-	-	-	-
	Single		-	-	-	4485	4695	4900	5105	5310	5510(G)	-	-	-	-
285/70R19.5	Dual	lbs.	-	-	4200	4410	4615	4820	5020	5220	5420	5615	5810	6005(H)	-
	Single		-	-	4470	4695	4915	5130	5345	5560	5770	5980	6185	6395(H)	-
8R19.5	Dual	lbs.	2460	2570	2680(D)	2785	2890	3000(E)	3100	3200	3305(F)	-	-	-	-
	Single		2540	2680	2835(D)	2955	3075	3195(E)	3305	3415	3525(F)	-	-	-	-
8.25R20	Dual	lbs.	3270	3410	3550	3690	3860(E)	4005	4150	4300(F)	4425	4550	4675(G)	-	-
	Single		3370	3560	3730	3890	4080(E)	4235	4390	4540(F)	4675	4810	4940(G)	-	-
9.00R20	Dual	lbs.	3860(D)	4045	4230	4410(E)	4585	4760	4940(F)	5080	5220	5355(G)	-	-	-
	Single		4080(D)	4280	4480	4675(E)	4850	5025	5205(F)	5360	5515	5675(G)	-	-	-
10.00R20	Dual	lbs.	4380	4580	4760	4950	5205(F)	5415	5625	5840(G)	5895	5950	6005(H)	-	-
	Single		4530	4770	4990	5220	5510(F)	5730	5950	6175(G)	6320	6465	6610(H)	-	-
11.00R20	Dual	lbs.	4780	4990	5190	5390	5675(F)	5785	5895	6005(G)	6265	6525	6780(H)	-	-
	Single		4940	5200	5450	5690	6005(F)	6205	6405	6610(G)	6870	7130	7390(H)	-	-
12.00R20	Dual	lbs.	5440	5680	5910	6140	6360	6610(G)	6790	6970	7160(H)	7390	7610(J)	-	-
	Single		5620	5920	6200	6480	6740	7160(G)	7380	7600	7830(H)	8050	8270(J)	-	-
11.00R22	Dual	lbs.	5080	5300	5520	5730	5840(F)	6095	6350	6610(G)	6790	6970	7160(H)	-	-
	Single		5240	5520	5790	6040	6395(F)	6650	6910	7160(G)	7380	7600	7830(H)	-	-
245/75R22.5*	Dual	lbs.	3160	3315	3525	3615	3765	3970	4055	4195	4300(G)	-	-	-	-
	Single		3470	3645	3860	3975	4140	4300	4455	4610	4675(G)	-	-	-	-
255/70R22.5	Dual	lbs.	-	-	3970	4110	4275	4410	4455	4610	4675(G)	4915	5070(H)	-	-
	Single		-	-	4190	4370	4550	4675	4895	5065	5205(G)	5400	5510(H)	-	-
265/75R22.5**	Dual	lbs.	3525	3705	3860	4040	4205	4410	4525	4685	4805(G)	-	-	-	-
	Single		3875	4070	4300	4440	4620	4805	4975	5150	5205(G)	-	-	-	-
275/70R22.5	Dual	lbs.	3895	4115	4335	4550	4765	4975	5180	5390	5590	5795	5995	6195	6395(H)
	Single		4230	4470	4705	4940	5175	5400	5630	5850	6075	6295	6510	6730	6945(H)
295/75R22.5***	Dual	lbs.	4095	4300	4540	4690	4885	5070(F)	5260	5440	5675(G)	5795	6005(H)	-	-
	Single		4500	4725	4940	5155	5370	5510(F)	5780	5980	6175(G)	6370	6610(H)	-	-
295/75R22.5***	Dual	lbs.	-	-	-	-	-	5305	5530	5750	5965	6185	6400	6610(H)	-
	Single		-	-	-	-	-	5750	5990	6230	6465	6700	6930	7160(H)	-
295/80R22.5	Dual	lbs.	4360	4610	4855	5095	5335	5570	5805	6035	6265	6490	6715	6940(H)	-
	Single		4920	5200	5475	5750	6020	6285	6545	6810	7065	7320	7575	7830(H)	-
305/70R22.5	Dual	lbs.	4405	4655	4900	5145	5385	5625	5860	6095	6325	6555	6780(J)	-	-
	Single		4800	5075	5345	5610	5870	6130	6385	6640	6895	7145	7390(J)	-	-
305/70R22.5	Dual	lbs.	-	-	-	-	5505	5750	5990	6230	6465	6700	6390	7160	7390 (L)
	Single		-	-	-	-	5835	6090	6350	6600	6850	7100	7345	7590	7830 (L)
315/80R22.5	Dual	lbs.	-	-	5675	5840	6070	6395	6545	6770	6940	7210	7610	8010	8270(L)
	Single		-	-	6175	6415	6670	6940	7190	7440	7610	7920	8270	8810	9090(L)
315/80R22.5	Dual	lbs.	-	-	-	-	5505	5750	5990	6230	6465	6700	6390	7160	7390(L)
	Single		-	-	-	-	6980	7290	7595	7900	8200	8495	8790	9080	9370(L)
315/80R22.5****	Dual	lbs.	5030	5315	5595	5875	6150	6420	6690	6955	7220	7480	7740	8000	8255(L)
	Single		6090	6440	6780	7115	7450	7780	8105	8425	8745	9065	9375	9690	10000(L)
9R22.5	Dual	lbs.	3270	3410	3550	3690	3860(E)	4005	4150	4300(F)	4425	4550	4675(G)	-	-
	Single		3370	3560	3730	3890	4080(E)	4235	4390	4540(F)	4675	4810	4940(G)	-	-
10R22.5	Dual	lbs.	3860	4045	4230	4410(E)	4585	4760	4940(F)	5075	5210	5355(G)	-	-	-
	Single		4080	4280	4480	4675(E)	4850	5025	5205(F)	5360	5515	5675(G)	-	-	-
11R22.5	Dual	lbs.	4380	4580	4760	4950	5205(F)	5415	5625	5840(G)	5895	5950	6005(H)	-	-
	Single		4530	4770	4990	5220	5510(F)	5730	5950	6175(G)	6320	6465	6610(H)	-	-
11R22.5	Dual	lbs.	-	-	-	-	5205	5415	5625	5840	5895	5950	6005(H)	-	-
	Single		-	-	-	-	5510	5730	5950	6175	6320	6465	6610(H)	-	-
12R22.5*****	Dual	lbs.	4780	4990	5190	5390	5675(F)	5785	5895	6005(G)	6265	6525	6780(H)	-	-
	Single		4940	5200	5450	5690	6005(F)	6205	6405	6610(G)	6870	7130	7390(H)	-	-
285/75R24.5	Dual	lbs.	4135	4340	4540	4740	4930	5205(F)	5310	5495	5675(G)	5860	6175(H)	-	-
	Single		4545	4770	4940	5210	5420	5675(F)	5835	6040	6175(G)	6440	6780(H)	-	-
11R24.5	Dual	lbs.	4660	4870	5070	5260	5510(F)	5675	5840	6005(G)	6205	6405	6610(H)	-	-
	Single		4820	5070	5310	5550	5840(F)	6095	6350	6610(G)	6790	6970	7160(H)	-	-

* Equivalent to Michelin 235/80R22.5

** Equivalent to Michelin 255/80R22.5

*** Equivalent to Michelin 275/80R22.5

**** For M320Z only.

***** Equivalent to Michelin 295/80R22.5

NOTE: All data shown here is approximately what you would find under normal conditions and is subject to change without notice.

Though every effort has been taken to ensure the accuracy of this data shown here, legal responsibility cannot be accepted by Toyo Tire U.S.A. or Toyo Tire & Rubber Co., Ltd., for any damage or loss coming from any undetected errors or any misprint.

LOAD AND INFLATION TABLES

TIRE LOAD LIMITS (LBS.) AT VARIOUS COLD INFLATION PRESSURES

* NEVER exceed the sidewall markings for the maximum loads and inflation pressures.

Note: Letters in parentheses denote Load Range for which Bold Face loads are maximum. International Load Index numbers are shown after the Load Range.

Tire Size	PSI		70	75	80	85	90	95	100	105	110	115	120	125	130
10R22.5	Dual	lbs.	3860	4045	4230	4410(E)132	4585	4760	4940(F)136	5075	5210	5355(G)139	-	-	-
	Single		4080	4280	4480	4675(E)134	4850	5025	5205(F)138	5360	5515	5675(G)141	-	-	-
11R22.5	Dual	lbs.	4380	4580	4760	4950	5205(F)138	5415	5625	5840(G)142	5895	5950	6005(H)143	-	-
	Single		4530	4770	4990	5220	5510(F)140	5730	5950	6175(G)144	6320	6465	6610(H)146	-	-
12R22.5*****	Dual	lbs.	4780	4990	5190	5390	5675(F)141	5785	5895	6005(G)143	6265	6525	6780(H)147	-	-
	Single		4940	5200	5450	5690	6005(F)143	6205	6405	6610(G)146	6870	7130	7390(H)150	-	-
285/75R24.5	Dual	lbs.	4185	4340	4540	4740	4930	5205(F)138	5310	5495	5675(G)141	-	-	-	-
	Single		4545	4770	4940	5210	5420	5675(F)141	5835	6040	6175(G)144	-	-	-	-
11R24.5	Dual	lbs.	4660	4870	5070	5260	5510(F)140	5675	5840	6005(G)143	6205	6405	6610(H)146	-	-
	Single		4820	5070	5310	5550	5840(F)142	6095	6350	6610(G)146	6790	6970	7160(H)149	-	-

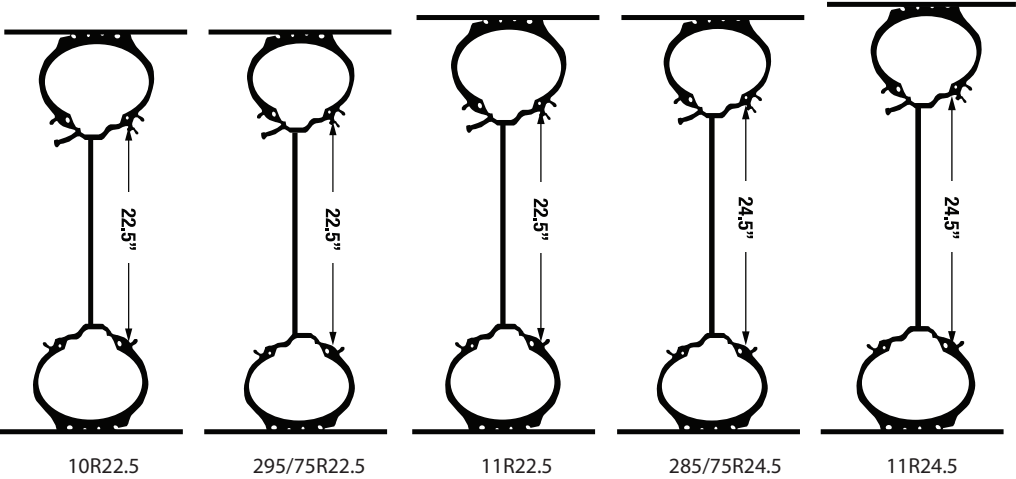
Tire Size	PSI		70	75	80	85	90	95	100	105	110	115	120	125	130
14/80R20	Single	lbs.	5870	6205	6535	6860	7180	7495	7810	8120	8430	8735	9040(J)	-	-
385/65R22.5	Single	lbs.	6380	6720	6940	7350	7650	8050	8230	8510	8820	9050	9370(J)	-	-
425/65R22.5	Single	lbs.	7590	7990	8270	8740	9100	9370	9790	10100	10500	10700	11400(L)	-	-

LOW-PLATFORM TRAILER

Tire Size	PSI		70	75	80	85	90	95	100	105	110	115	120	125	130
8.25R15TR	Dual	lbs.	2700	2810	2930	3040	3150	3260	3360	3525(F)	3635	3745	3860(G)	-	-
	Single		2780	2930	3080	3200	3340	3470	3590	3750(F)	3860	3970	4080(G)	-	-
8.25R15TR	Dual	lbs.	3565	3770	3970	4165	4360	4555	4745	4935	5120	5305	5490	5675(J)	-
	Single		3775	3990	4205	4410	4620	4825	5025	5225	5425	5620	5815	6010(J)	-
10.00R15TR	Dual	lbs.	3660	3830	3980	4130	4300(F)	4470	4640	4805(G)	-	-	-	-	-
	Single		3780	3980	4170	4370	4540(F)	4715	4890	5070(G)	-	-	-	-	-
10.00R15TR	Dual	lbs.	4020	4245	4470	4695	4915	5130	5345	5560	5770	5980	6185	6395(J)	-
	Single		4365	4615	4855	5100	5335	5575	5805	6040	6265	6495	6720	6945(J)	-
215/75R17.5	Dual	lbs.	2855	3015	3175	3330	3490	3645	3795	3945	4095	4245	4390	4540(H)	-
	Single		3020	3190	3360	3525	3690	3855	4015	4175	4335	4490	4650	4805(H)	-
235/75R17.5	Dual	lbs.	3570	3770	3970	4170	4365	4560	4750	4940	5125	5310	5495	5680(H)	-
	Single		3770	3985	4195	4405	4610	4815	5015	5215	5415	5610	5805	6000(H)	-
245/70R17.5	Dual	lbs.	-	-	3970	4170	4365	4555	4745	4935	5125	5310	5495	5675(J)	-
	Single		-	-	4200	4410	4615	4820	5025	5225	5420	5620	5810	6005(J)	-
265/70R19.5	Dual	lbs.	-	-	3970	4170	4365	4555	4745	4935	5125	5310	5495	5675(J)	-
	Single		-	-	4200	4410	4615	4820	5025	5225	5420	5620	5810	6005(J)	-

COMPARISON OF DIMENSIONS

LOW PROFILE VS. STANDARD SERIES DIMENSIONS



OVERALL DIAMETER	40.1	39.9	41.5	41.3	43.5
LOADED RADIUS	18.6	18.7	19.3	19.3	20.2
REVS PER MILE	520	517	501	501	478
MAX LOAD SINGLE (LB) G/14	5,675 @ 115 PSI	6,175 @ 110 PSI	6,175 @ 105 PSI	6,175 @ 110 PSI	6,610 @ 105 PSI

TOYO TIRES

TOYO TIRE CANADA INC.

7791 Nelson Rd., Unit 120
Richmond, BC V6W 1G3
Telephone: (604) 304-1941
Fax: (604) 304-1946
Toll Free Fax: 1-800-883-8696

BRITISH COLUMBIA

Sales Information/Informations

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Toll Free: 1-800-434-8696
Local: (604) 304-1944
Fax: (604) 304-1945
Toll Free Fax: 1-800-883-8696

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Toll Free Fax: 1-800-883-8696

ONTARIO

Call Toll Free: 1-800-668-5429
Toll Free Fax: 1-800-668-2396

QUÉBEC

Sales Offices & Warehouse

Bureaux des ventes et entrepôt

900 Rue Reverchon
Saint-Laurent, Québec H4T 4L4
Téléphone: (514) 227-4390
Télécopieur: (514) 227-4396
Ligne Sans Frais: 1-800-363-0199
Télécopieur Sans Frais: 1-800-663-0982

MARITIMES

Call Toll Free: 1-800-363-0199
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