

**TOYO TIRES®**

# COMMERCIAL TRUCK TIRES

## PRODUCT DATA BOOK





PRO



# UP YOUR MILEAGE. AND YOUR EXPECTATIONS.

From the interstate to the work site, the performance of your fleet depends on smarter tire engineering. Toyo commercial tires deliver a unique combination of quality manufacturing and patented technologies to improve endurance, tire life, fuel consumption, vehicle handling behavior and more. Expect performance you can count on.





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# APPLICATION CHART

No matter what your application, occupation, or truck type, we have the right tire at the right price to keep you on the road to maximum profitability.

SEGMENT	APPLICATION	TRUCK SEGMENT
<b>LONG HAUL</b>	Long hauls, high original miles, fuel efficiency, 250 plus miles per day.	<ul style="list-style-type: none"> <li>• Truckload/LTL</li> <li>• General Commodity</li> <li>• Coach Bus</li> </ul>
<b>REGIONAL</b>	Shorter hauls where vehicles can return home each evening.	<ul style="list-style-type: none"> <li>• Pickup &amp; Delivery</li> <li>• Food &amp; Liquids</li> <li>• On-Highway Construction</li> </ul>
<b>URBAN</b>	Stop-and-go driving in a very local area (city-metro).	<ul style="list-style-type: none"> <li>• Refuse/Sanitation</li> <li>• School Bus</li> </ul>
<b>ON/OFF-ROAD</b>	Severe service with a mix of highway and tough road conditions.	<ul style="list-style-type: none"> <li>• Road Construction</li> <li>• Forestry</li> <li>• Energy &amp; Utilities</li> </ul>
<b>17.5 &amp; 19.5</b>	Regional, Urban and On/Off Road vehicles.	<ul style="list-style-type: none"> <li>• Service Trucks</li> <li>• Utilities</li> <li>• Package Delivery</li> </ul>
<b>LIGHT TRUCK/COMMERCIAL VAN</b>	Regional, Urban and On/Off Road vehicles.	<ul style="list-style-type: none"> <li>• Service Trucks</li> <li>• Utilities</li> <li>• Package Delivery</li> </ul>

APPLICATION CHART

# OUR TECHNOLOGY

Each Toyo tire features state-of-the-art technology combined with features and materials designed to help you get your job done.

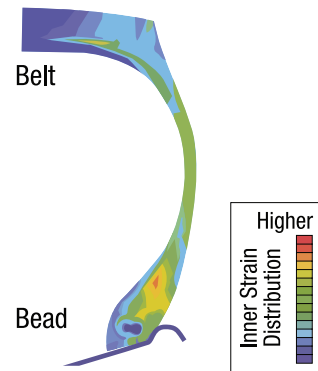
## E-BALANCE

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.



The technologies of e-balance incorporate improvements in the areas of tread profile retention, bead profile retention, and overall simulation for optimum tire design.



## NANO BALANCE *NANOENERGY*

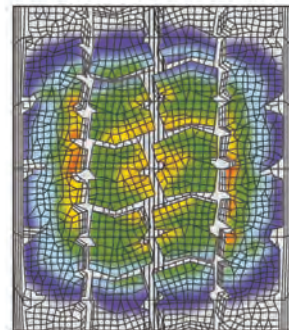
Nano Balance is a proprietary technology that focuses on improving performance through advanced simulation, material design, production control and research of tire compound materials at the nano level (a nanometer = 1 billionth of a meter). By working with the complex molecular structures and composition properties of these materials, such as carbon black and silica, Toyo Tires can more precisely control the way in which they bond to one another and influence tire performance. The result is high-precision tire rubber compounds that provide stable and balanced performance.

## DSOC II™

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.

For more details on our technology, visit [toyotires.com/commercial](http://toyotires.com/commercial).



DSOC II™ SIMULATION



# SMARTWAY® & CARB TECHNOLOGIES

We are proud to manufacture EPA SmartWay and CARB compliant verified technologies.

	M144™	REGIONAL ALL-POSITION
	M156™	URBAN AND REGIONAL ALL-POSITION
	M157™	LONG HAUL TRAILER
	M171+™	REGIONAL ALL-POSITION
	M175™	LONG HAUL TRAILER
	M177™	LONG HAUL STEER
	M650™	URBAN DRIVE
	M671A+™	REGIONAL DRIVE
	M675™	LONG HAUL DRIVE
	M677+™	LONG HAUL DRIVE

## WHAT IS SMARTWAY?

The SmartWay-verified technologies program identifies products and services that reduce transportation-related emissions, including low-rolling-resistance tires. [www.EPA.gov/SmartWay](http://www.EPA.gov/SmartWay)

The fuel-saving and/or emission-reducing benefits of our type of equipment have been verified by EPA's SmartWay program. SmartWay Certified Tractors and/or SmartWay Certified Trailers are equipped with verified technologies.

SmartWay excludes 17.5/19.5 sizes



EPA SMARTWAY

## CARB REGULATIONS

The California Air Resources Board (CARB) requires all day cab tractors that pull 53-foot or longer box-type trailers to run on low-rolling-resistance tires that have been verified on the EPA's list of SmartWay-verified technologies.

## THIS COMPANY MANUFACTURES:

- EPA SmartWay-verified technologies
- Verified equipment for SmartWay-certified tractors and/or trailers

As a result, we assist SmartWay partners with meeting their goals of energy efficiency and emissions reductions.

Learn more about...

# SmartWay

[www.EPA.gov/SmartWay](http://www.EPA.gov/SmartWay)

# CASING WARRANTY

## PEACE OF MIND, MILE AFTER MILE

We believe so strongly in our quality that we offer a 66-month limited warranty on our entire truck tire line. It includes casing allowances for two retreads and a retread rubber allowance for the first cap. Our warranty is yet another reason why Toyo Tires is the right choice. Contact your local Toyo Tires Regional Sales Representative for additional details.

For casings of an eligible tire within the warranty period, Toyo Tires will do the following:

If the casing of an eligible tire with at least 2/32" remaining tread depth becomes unserviceable during the warranty period due to a warrantable condition within the first or second retread, you will receive the applicable casing allowance specified below. The number of retreads must be identified on the sidewall of the eligible tire.

CASING ALLOWANCES BY SIZE	1ST RETREAD	2ND RETREAD
215/75R17.5	\$40.00	\$20.00
235/75R17.5, 245/70R17.5	\$40.00	\$20.00
8R19.5	\$40.00	\$20.00
225/70R19.5, 245/70R19.5	\$40.00	\$20.00
265/70R19.5, 285/70R19.5	\$40.00	\$20.00
9R22.5	\$45.00	\$20.00
245/75R22.5, 265/75R22.5	\$45.00	\$20.00
10R22.5	\$50.00	\$25.00
255/70R22.5	\$50.00	\$25.00
305/70R22.5	\$110.00	\$80.00
295/75R22.5, 295/80R22.5	\$110.00	\$80.00
11R22.5, 12R22.5	\$110.00	\$80.00
385/65R22.5, 315/80R22.5	\$110.00	\$80.00
11R24.5, 285/75R24.5	\$110.00	\$80.00
425/65R22.5, 445/50R22.5	\$110.00	\$80.00

If the casing of an eligible tire with at least 2/32" remaining tread depth becomes unserviceable due to a warrantable condition during the first retread within the warranty period, in addition to the casing allowance described above, you will also receive the applicable rubber allowance specified below.

REMAINING TREAD DEPTH	RUBBER ALLOWANCE
15/32" OR MORE	\$50.00
8/32" TO 14/32"	\$30.00
7/32" OR LESS	NO ALLOWANCE

For complete warranty details, please refer to:

[www.toyotires.com/commercial/tire-care-support/warranty-information](http://www.toyotires.com/commercial/tire-care-support/warranty-information)







LONG HAUL

OUT







# LONG HAUL

## STEER

LONG HAUL

M177



M144



### WHEEL POSITION

STEER

FUEL EFFICIENCY

5.0

TREAD LIFE

5.0

TRACTION

5.0

RETREADABILITY

5.0

CUT & CHIP RESISTANCE

3.0



### TREAD DEPTH

#### 18/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14  
295/75R22.5 H/16  
11R24.5 G/14  
11R24.5 H/16  
285/75R24.5 G/14  
285/75R24.5 H/16

### REPLACES

Bridgestone R213 Ecopia  
Continental EcoPlus HS3 +  
Goodyear Endurance LHS  
Michelin X Line Energy Z  
Yokohama 101ZL Spec-2

### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

5.0

TREAD LIFE

4.5

TRACTION

5.0

RETREADABILITY

5.0

CUT & CHIP RESISTANCE

3.0



### TREAD DEPTH

#### 19/32" SIZES

295/80R22.5 H/16  
305/70R22.5 L/20  
315/80R22.5 L/20

### REPLACES

Bridgestone R249  
Continental Coach HA3  
Goodyear G670 RV MRT  
Michelin X Line Energy Z Coach  
Yokohama 104ZR Spec-2





## DRIVE

M677+



M671A+



M675



M920A



### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

4.5

TREAD LIFE

4.5

TRACTION

4.0

RETREADABILITY

4.0

CUT & CHIP  
RESISTANCE

3.5



SmartWay

### TREAD DEPTH

#### 28/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14  
295/75R22.5 H/16  
11R24.5 G/14  
11R24.5 H/16  
285/75R24.5 G/14

### REPLACES

Bridgestone M713 Ecopia  
Continental HDL2+  
Goodyear Endurance LHD  
Michelin X Line Energy D  
Yokohama 712L

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

4.5

TREAD LIFE

4.5

TRACTION

4.5

RETREADABILITY

4.0

CUT & CHIP  
RESISTANCE

3.0



SmartWay

### TREAD DEPTH

#### 26/32" SIZES

295/75R22.5 G/14  
11R22.5 G/14  
11R22.5 H/16

### REPLACES

Bridgestone M760 Ecopia  
Continental Hybrid HD3  
Goodyear Fuel Max RTD  
Michelin X Multi Energy D  
Yokohama 709ZL

NANOENERGY®

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

5.0

TREAD LIFE

3.0

TRACTION

3.0

RETREADABILITY

3.0

CUT & CHIP  
RESISTANCE

3.0



SmartWay

### TREAD DEPTH

#### 24/32" SIZES

445/50R22.5 L/20

### REPLACES

Bridgestone M835A Ecopia  
Continental HDL2 Eco Plus  
Goodyear Fuel Max SSD  
Michelin X One Line Energy D  
Yokohama BluEarth 709L UWB

NANOENERGY®

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

2.5

TREAD LIFE

4.0

TRACTION

4.5

RETREADABILITY

3.0

CUT & CHIP  
RESISTANCE

3.0



SmartWay

### TREAD DEPTH

#### 27/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14  
11R24.5 H/16  
285/75R24.5 G/14

#### 29/32" SIZES

315/80R22.5 L/20

### REPLACES

Continental HDW2 Canada  
Michelin XDN2  
Yokohama SY767



Three-Peak Mountain  
Snowflake qualified.

TRAILER

M157



M175



LONG HAUL

WHEEL POSITION

TRAILER

FUEL EFFICIENCY

5.0

TREAD LIFE

5.0

TRACTION

4.5

RETREADABILITY

4.0

CUT & CHIP RESISTANCE

2.5



TREAD DEPTH

13/32" SIZES

11R22.5 G/14

295/75R22.5 G/14

11R24.5 G/14

285/75R24.5 G/14

REPLACES

Bridgestone R123

Continental HT3

Goodyear Fuel Max LHT

Michelin X Line Energy T2

Yokohama BluEarth 109L

WHEEL POSITION

TRAILER

FUEL EFFICIENCY

5.0

TREAD LIFE

3.0

TRACTION

4.0

RETREADABILITY

4.0

CUT & CHIP RESISTANCE

3.5



TREAD DEPTH

13/32" SIZES

445/50R22.25 L/20

REPLACES

Bridgestone R197 Ecopia

Continental HTL1

Goodyear Fuel Max SST

Michelin X One Line Energy T2

Yokohama BluEarth 109L

NANOENERGY®



REGIONAL

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REF









BLE

## STEER

REGIONAL

M171+



M156



M170



M122



M144

**WHEEL POSITION**

ALL-POSITION

FUEL EFFICIENCY 5.0

TREAD LIFE 4.5

TRACTION 4.0

RETREADABILITY 4.0

CUT &amp; CHIP RESISTANCE 3.5



SmartWay

**TREAD DEPTH****20/32" SIZES**

11R22.5 G/14

11R22.5 H/16

295/75R22.5 G/14

295/74R22.5 H/16

**REPLACES**

Bridgestone R283S Ecopia

Continental HSL 3

Goodyear Endurance LHS

Michelin X Multi Energy Z2

**WHEEL POSITION**

ALL-POSITION

FUEL EFFICIENCY 4.5

TREAD LIFE 5.0

TRACTION 4.0

RETREADABILITY 4.0

CUT &amp; CHIP RESISTANCE 4.0



SmartWay

**TREAD DEPTH****19/32" SIZES**

245/75R22.5 G/14

265/75R22.5 G/14

**22/32" SIZES**

11R22.5 G/14

11R22.5 H/16

295/75R22.5 G/14

295/75R22.5 H/16

11R24.5 G/14

11R24.5 H/16

285/75R24.5 G/14

**REPLACES**

Bridgestone R268 Ecopia

Continental HSR 3

Goodyear Fuel Max RSA

Michelin X Multi Energy Z2

Yokohama 108R

**WHEEL POSITION**

ALL-POSITION

FUEL EFFICIENCY 4.5

TREAD LIFE 4.0

TRACTION 3.5

RETREADABILITY 4.0

CUT &amp; CHIP RESISTANCE 4.0



SmartWay

**TREAD DEPTH****17/32" SIZES**

9R22.5 G/14

**19/32" SIZES**

10R22.5 G/14

11R22.5 H/16

295/75R22.5 H/16

11R24.5 H/16

12R22.5 H/16

**REPLACES**

Bridgestone R268 Ecopia

Continental HSR 3

Goodyear Fuel Max RSA

Michelin XZE2

**WHEEL POSITION**

ALL-POSITION

FUEL EFFICIENCY 3.0

TREAD LIFE 3.0

TRACTION 3.5

RETREADABILITY 3.5

CUT &amp; CHIP RESISTANCE 4.0



SmartWay

**TREAD DEPTH****17/32" SIZES**

255/70R22.5 H/16

11R22.5 G/14

295/75R22.5 G/14

11R24.5 G/14

285/75R24.5 G/14

**REPLACES**

Bridgestone R196

Continental HSR2 SA

Goodyear Marathon RSS

Michelin XZE2

Yokohama RY023

**WHEEL POSITION**

ALL-POSITION

FUEL EFFICIENCY 5.0

TREAD LIFE 4.5

TRACTION 5.0

RETREADABILITY 5.0

CUT &amp; CHIP RESISTANCE 3.0



SmartWay

**TREAD DEPTH****19/32" SIZES**

295/80R22.5 H/16

305/70R22.5 L/20

315/80R22.5 L/20

**REPLACES**

Bridgestone R249

Continental Coach HA3

Goodyear G670 RV MRT

Michelin X Line Energy

Z Coach

Yokohama 104ZR Spec-2





## DRIVE

M647



M671A+



M610 / M650



M920A



### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

2.5

TREAD LIFE

5.0

TRACTION

4.5

RETREADABILITY

3.5

CUT & CHIP  
RESISTANCE

4.0



### TREAD DEPTH

#### 25/32" SIZES

255/70R22.5 H/16

#### 30/32" SIZES

11R22.5 G/14

11R22.5 H/16

295/75R22.5 G/14

11R24.5 G/14

11R24.5 H/16

285/75R24.5 G/14

### REPLACES

Bridgestone M726 ELA

Continental HDL2DL+

Goodyear Endurance LHD

Michelin XDA5+

Yokohama TY527

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

4.5

TREAD LIFE

4.5

TRACTION

4.5

RETREADABILITY

4.0

CUT & CHIP  
RESISTANCE

3.0



SmartWay

### TREAD DEPTH

#### 26/32" SIZES

295/75R22.5 G/14

11R22.5 G/14

11R22.5 H/16

### REPLACES

Bridgestone M760 Ecopia

Continental Hybrid HD3

Goodyear Fuel Max RTD

Michelin X Multi Energy D

Yokohama 709ZL

NANOENERGY®

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

3.5

TREAD LIFE

2.5

TRACTION

5.0

RETREADABILITY

3.5

CUT & CHIP  
RESISTANCE

4.0



SmartWay<sup>^</sup>

### TREAD DEPTH

#### 28/32" SIZES

11R22.5 G/14

11R22.5 H/16

295/75R22.5 G/14

11R24.5 G/14

11R24.5 H/16

285/75R24.5 G/14

### REPLACES

Bridgestone M770

Continental HDR2+

Goodyear G182 RSD

Michelin XDE2+

Yokohama 715R

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY

2.5

TREAD LIFE

4.0

TRACTION

4.5

RETREADABILITY

3.0

CUT & CHIP  
RESISTANCE

3.0



### TREAD DEPTH

#### 27/32" SIZES

11R22.5 G/14

11R22.5 H/16

295/75R22.5 G/14

11R24.5 H/16

285/75R24.5 G/14

#### 29/32" SIZES

315/80R22.5 L/20

### REPLACES

Continental HDW2 Canada

Michelin XDN2

Yokohama SY767



Three-Peak Mountain  
Snowflake qualified.

<sup>^</sup>M650 only.

TRAILER

M122



M149



**WHEEL POSITION**

ALL-POSITION

FUEL EFFICIENCY

3.0

TREAD LIFE

3.0

TRACTION

3.5

RETREADABILITY

3.5

CUT & CHIP  
RESISTANCE

4.0

**TREAD DEPTH**

**17/32" SIZES**

255/70R22.5 H/16

11R22.5 G/14

295/75R22.5 G/14

11R24.5 G/14

285/75R24.5 G/14

**REPLACES**

Bridgestone R196

Continental Hybrid HT3

Goodyear Marathon RSS

Michelin XTE

Yokohama RY023

**WHEEL POSITION**

ALL-POSITION

FUEL EFFICIENCY

3.0

TREAD LIFE

3.0

TRACTION

4.0

RETREADABILITY

4.0

CUT & CHIP  
RESISTANCE

3.5

**TREAD DEPTH**

**20/32" SIZES**

385/65R22.5 L/20

**21/32" SIZES**

425/65R22.5 L/20

**REPLACES**

Bridgestone R244

Continental HTR2

Michelin XFE

Yokohama RY253



REGIONAL



URBAN

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INNOV





INCIDENT





## STEER

URBAN

M156



M170



M144



M122



### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 4.5

TREAD LIFE 5.0

TRACTION 4.0

RETREADABILITY 4.0

CUT & CHIP RESISTANCE 4.0



### TREAD DEPTH

#### 19/32" SIZES

245/75R22.5 G/14  
265/75R22.5 G/14

#### 22/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14  
295/75R22.5 H/16  
11R24.5 G/14  
11R24.5 H/16  
285/75R24.5 G/14

### REPLACES

Bridgestone R268 Ecopia  
Continental HSR 3  
Goodyear Fuel Max RSA  
Michelin X Multi Energy Z2  
Yokohama 108R

### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 4.5

TREAD LIFE 4.0

TRACTION 3.5

RETREADABILITY 4.0

CUT & CHIP RESISTANCE 4.0



### TREAD DEPTH

#### 19/32" SIZES

9R22.5 F/12  
10R22.5 G/14  
11R22.5 H/16  
295/75R22.5 H/16  
11R24.5 H/16  
12R22.5 H/16

### REPLACES

Bridgestone R268 Ecopia  
Continental HSR 3  
Goodyear Fuel Max RSA  
Michelin XZE2

### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 5.0

TREAD LIFE 4.5

TRACTION 5.0

RETREADABILITY 5.0

CUT & CHIP RESISTANCE 3.0



### TREAD DEPTH

#### 19/32" SIZES

295/80R22.5 H/16  
305/70R22.5 L/20  
315/80R22.5 L/20

### REPLACES

Bridgestone R249  
Continental Coach HA3  
Goodyear G670 RV MRT  
Michelin X Line Energy Z Coach  
Yokohama 104ZR Spec-2



### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 3.0

TREAD LIFE 3.0

TRACTION 3.5

RETREADABILITY 3.5

CUT & CHIP RESISTANCE 4.0

### TREAD DEPTH

#### 17/32" SIZES

255/70R22.5 H/16  
11R22.5 G/14  
295/75R22.5 G/14  
11R24.5 G/14  
285/75R24.5 G/14

### REPLACES

Bridgestone R196  
Continental HSR2 SA  
Goodyear Marathon RSS  
Michelin XZE2  
Yokohama RY023

# STEER (CONTINUED)

M325



M325 WB



M320



M153



M149



## WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 3.0

TREAD LIFE 3.5

TRACTION 4.5

RETREADABILITY 4.5

CUT & CHIP RESISTANCE 5.0



## TREAD DEPTH

### 21/32" SIZES

255/70R22.5 H/16

### 22/32" SIZES

275/70R22.5 J/18

### 24/32" SIZES

315/80R22.5 L/20

### 25/32" SIZES

11R22.5 H/16

11R24.5 H/16

## REPLACES

Bridgestone M863  
Continental HSC 3  
Goodyear G751 MSA  
Michelin X Works Z  
Yokohama 505C

## WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 3.0

TREAD LIFE 3.5

TRACTION 4.5

RETREADABILITY 4.5

CUT & CHIP RESISTANCE 5.0



## TREAD DEPTH

### 23/32" SIZES

385/65R22.5 J/18

425/65R22.5 L/20

## REPLACES

Bridgestone M864  
Continental HAC3  
Goodyear Workhorse MSA  
Michelin XZY3 WB  
Yokohama 505C

## WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 2.5

TREAD LIFE 3.0

TRACTION 3.5

RETREADABILITY 4.0

CUT & CHIP RESISTANCE 5.0

## TREAD DEPTH

### 23/32" SIZES

12R22.5 H/16

## REPLACES

Bridgestone M853  
Continental HSC 3  
Goodyear G751 MSA  
Michelin X Works Z  
Yokohama 505C

## WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 2.5

TREAD LIFE 4.0

TRACTION 3.0

RETREADABILITY 4.0

CUT & CHIP RESISTANCE 4.0

## TREAD DEPTH

### 26/32" SIZES

315/80R22.5 L/20

## REPLACES

Bridgestone M870  
Continental HAU3 WT  
Goodyear Endurance WHA  
Michelin XZUS2  
Yokohama 506U



## WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 3.0

TREAD LIFE 3.5

TRACTION 4.0

RETREADABILITY 4.0

CUT & CHIP RESISTANCE 3.5

## TREAD DEPTH

### 20/32" SIZES

385/65R22.5 L/20

### 21/32" SIZES

425/65R22.5 L/20

## REPLACES

Bridgestone R244  
Continental HTR2  
Michelin XFE  
Yokohama RY253



## DRIVE

M650



M647



M610



M920A



URBAN

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY 3.5

TREAD LIFE 2.5

TRACTION 5.0

RETREADABILITY 3.5

CUT & CHIP RESISTANCE 4.0



### TREAD DEPTH

#### 28/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14

### REPLACES

Bridgestone M770  
Continental HDR2 Eco Plus  
Goodyear Fuel Max RTD  
Michelin XDE2+  
Yokohama 715R

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY 2.0

TREAD LIFE 5.0

TRACTION 4.5

RETREADABILITY 3.5

CUT & CHIP RESISTANCE 4.0



### TREAD DEPTH

#### 25/32" SIZES

255/70R22.5 H/16

#### 30/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14  
11R24.5 G/14  
11R24.5 H/16  
285/75R24.5 G/14

### REPLACES

Bridgestone M726 ELA  
Continental HDL2DL+  
Goodyear Endurance LHD  
Michelin XDA5+  
Yokohama TY527

### WHEEL POSITION

DRIVE

FUEL EFFICIENCY 3.5

TREAD LIFE 2.5

TRACTION 5.0

RETREADABILITY 3.5

CUT & CHIP RESISTANCE 4.0

### TREAD DEPTH

#### 28/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14  
11R24.5 G/14  
11R24.5 H/16  
285/75R24.5 G/14

### REPLACES

Bridgestone M770  
Continental HDR2+  
Goodyear G182 RSD  
Michelin XDE2+  
Yokohama 715R

### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY 2.5

TREAD LIFE 4.0

TRACTION 4.5

RETREADABILITY 3.0

CUT & CHIP RESISTANCE 3.0



### TREAD DEPTH

#### 27/32" SIZES

11R22.5 G/14  
11R22.5 H/16  
295/75R22.5 G/14  
11R24.5 H/16  
285/75R24.5 G/14

#### 29/32" SIZES

315/80R22.5 L/20

### REPLACES

Continental HDW2 Canada  
Michelin XDN2  
Yokohama SY767



Three-Peak Mountain  
Snowflake qualified.

ON/OFF-ROAD

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# ON/OFF-ROAD

## STEER

ON/OFF-ROAD

M325



M325 WB



M320



### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

3.0

TREAD LIFE

3.5

TRACTION

4.5

RETREADABILITY

4.5

CUT & CHIP RESISTANCE

5.0



### TREAD DEPTH

#### 21/32" SIZES

255/70R22.5 H/16

#### 22/32" SIZES

275/70R22.5 J/18

#### 24/32" SIZES

315/80R22.5 L/20

#### 25/32" SIZES

11R22.5 H/16

11R24.5 H/16\*\*

CR Spec Available

### REPLACES

Bridgestone M863  
Continental HSC3  
Goodyear G751 MSA  
Michelin X Works Z  
Yokohama 504C

### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

3.0

TREAD LIFE

3.5

TRACTION

4.5

RETREADABILITY

4.5

CUT & CHIP RESISTANCE

5.0



### TREAD DEPTH

#### 23/32" SIZES

385/65R22.5 J/18

425/65R22.5 L/20

### REPLACES

Bridgestone M864  
Continental HAC3  
Goodyear Workhorse MSA  
Michelin XZY3 WB  
Yokohama 505C

### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

2.5

TREAD LIFE

3.0

TRACTION

3.5

RETREADABILITY

4.0

CUT & CHIP RESISTANCE

5.0

### TREAD DEPTH

#### 23/32" SIZES




12R22.5 H/16

### REPLACES

Bridgestone M853  
Continental HSC3  
Goodyear G751 MSA  
Michelin X Works Z  
Yokohama 504C

\*Performance ratings are on a scale of 1 to 5 (best) in 0.5-point increments and can be compared within applicable Toyo product categories.  
\*\*CR-spec available.



DRIVE		
M506	M503	M588
		
<b>WHEEL POSITION</b> DRIVE	<b>WHEEL POSITION</b> DRIVE	<b>WHEEL POSITION</b> DRIVE
FUEL EFFICIENCY 2.0	FUEL EFFICIENCY 3.0	FUEL EFFICIENCY 1.0
TREAD LIFE 3.0	TREAD LIFE 2.0	TREAD LIFE 4.0
TRACTION 4.0	TRACTION 4.0	TRACTION 5.0
RETREADABILITY 4.0	RETREADABILITY 4.0	RETREADABILITY 4.0
CUT & CHIP RESISTANCE 5.0	CUT & CHIP RESISTANCE 5.0	CUT & CHIP RESISTANCE 5.0
<b>TREAD DEPTH</b> <b>30/32" SIZES</b> 11R22.5 H/16 11R24.5 H/16	<b>TREAD DEPTH</b> <b>26/32" SIZES</b> 11R22.5 H/16 11R24.5 H/16	<b>TREAD DEPTH</b> <b>33/32" SIZES</b> 11R22.5 H/16 11R24.5 H/16
<b>REPLACES</b> Bridgestone M779 Continental HDC3 Goodyear Workhorse MSD Michelin X Works D Yokohama LY053	<b>REPLACES</b> Goodyear G282 MSD Michelin XDS2	<b>REPLACES</b> Bridgestone M775 Continental HDC1 HT Goodyear G741 MSD Michelin X Works Grip D



17.5 & 19.5

RELEEN







TTLESS

# 17.5 & 19.5

## STEER

M156



M143



### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

4.5

TREAD LIFE

5.0

TRACTION

4.0

RETREADABILITY

4.0

CUT & CHIP RESISTANCE

4.0



### TREAD DEPTH

#### 16/32" SIZES

225/70R19.5 G/14

#### 17/32" SIZES

245/70R19.5 H/16

### REPLACES

Bridgestone R238

Continental HSR5

Goodyear Endurance RSA ULT

Michelin XZE

Yokohama 124R

### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

4.0

TREAD LIFE

4.0

TRACTION

2.5

RETREADABILITY

4.0

CUT & CHIP RESISTANCE

2.5

### TREAD DEPTH

#### 16/32" SIZES

215/75R17.5 G/14

225/70R19.5 F/12

225/70R19.5 G/14

245/70R19.5 H/16

265/70R19.5 G/14

#### 17/32" SIZES

285/70R19.5 H/16

### REPLACES

Bridgestone R238

Continental HSR5

Goodyear Endurance RSA ULT

Michelin XZE

Yokohama 124R

M671A



### WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

4.5

TREAD LIFE

4.5

TRACTION

4.5

RETREADABILITY

4.0

CUT & CHIP RESISTANCE

3.0



### TREAD DEPTH

#### 15/32" SIZES

225/70R19.5 G/14

245/70R19.5 H/16

### REPLACES

Yokohama 115R

NANOENERGY™

17.5 & 19.5



# DRIVE

# TRAILER

M608



M655



M920A



M1430



## WHEEL POSITION

DRIVE

FUEL EFFICIENCY

2.0

TREAD LIFE

2.5

TRACTION

3.5

RETREADABILITY

3.0

CUT & CHIP RESISTANCE

4.0

## TREAD DEPTH

### 19/32" SIZES

215/75R17.5 F/12

### 20/32" SIZES

225/70R19.5 F/12

225/70R19.5 G/14

265/70R19.5 G/14

### 21/32" SIZES

285/70R19.5 H/16

## REPLACES

Bridgestone M729F

Continental HDR+

Goodyear G622 RSD ULT

Michelin XDS2

Yokohama 714R

## WHEEL POSITION

DRIVE

FUEL EFFICIENCY

2.5

TREAD LIFE

3.0

TRACTION

4.0

RETREADABILITY

3.0

CUT & CHIP RESISTANCE

3.0



## TREAD DEPTH

### 19/32" SIZES

225/70R19.5 G/14

245/70R19.5 H/16

265/70R19.5 G/14

## REPLACES

Bridgestone M704

Continental HDR+

Goodyear G622 RSD ULT

Michelin XDS2

Yokohama 714R



Three-Peak Mountain  
Snowflake qualified.

## WHEEL POSITION

ALL-POSITION

FUEL EFFICIENCY

2.5

TREAD LIFE

3.5

TRACTION

4.0

RETREADABILITY

3.0

CUT & CHIP RESISTANCE

3.0



## TREAD DEPTH

### 21/32" SIZES

225/70R19.5 G/14

### 23/32" SIZES

245/70R19.5 G/14

## REPLACES

Bridgestone M704

Continental Scandania HD3

Goodyear Fuel Max RTD ULT



Three-Peak Mountain  
Snowflake qualified.

## WHEEL POSITION

TRAILER

FUEL EFFICIENCY

3.0

TREAD LIFE

4.0

TRACTION

2.0

RETREADABILITY

2.0

CUT & CHIP RESISTANCE

2.5

## TREAD DEPTH

### 15/32" SIZES

215/75R17.5 H/16

235/75R17.5 J/18

### 16/32" SIZES

245/70R17.5 J/18

## REPLACES

Bridgestone R238

Continental HTR2

Goodyear X Max T

Michelin XTA2 Energy

Yokohama RY023

17.5 & 19.5

LIGHT TRUCK/COMMERCIAL VAN

UNCOMPR







FROM

LIGHT TRUCK/COMMERCIAL VAN				
H08+	CELSIUS CARGO	OPEN COUNTRY C/T	M-55	M655 (LT)
				
COMMERCIAL VAN ALL-SEASON	COMMERCIAL GRADE ALL-WEATHER	ON/OFF-ROAD LIGHT TRUCK COMMERCIAL GRADE	OFF-ROAD LIGHT TRUCK COMMERCIAL GRADE	ON/OFF-ROAD LIGHT TRUCK COMMERCIAL GRADE
DRY HANDLING 4.5	DRY HANDLING 4.5	DRY HANDLING 4.0	DRY HANDLING 3.5	DRY HANDLING 4.0
WET HANDLING 4.0	WET HANDLING 4.0	WET HANDLING 3.5	WET HANDLING 3.5	WET HANDLING 3.5
RIDE COMFORT 4.0	RIDE COMFORT 4.0	RIDE COMFORT 3.0	RIDE COMFORT 2.0	RIDE COMFORT 3.0
QUIET RIDE 4.0	QUIET RIDE 4.5	QUIET RIDE 4.0	QUIET RIDE 2.5	QUIET RIDE 3.0
TREAD LIFE 4.5	TREAD LIFE 4.5	TREAD LIFE 4.5	TREAD LIFE 5.0	TREAD LIFE 5.0
WINTER HANDLING 4.0	WINTER HANDLING 4.5	OFF-ROAD TRACTION 4.0	OFF-ROAD TRACTION 5.0	OFF-ROAD TRACTION 5.0
FUEL EFFICIENCY 4.0	FUEL EFFICIENCY 4.0	FUEL EFFICIENCY 2.5	FUEL EFFICIENCY 3.0	FUEL EFFICIENCY 3.0
SNOW TRACTION 3.0	SNOW TRACTION 4.5	SNOW TRACTION 5.0	SNOW TRACTION 4.5	SNOW TRACTION 5.0
ICE TRACTION 3.0	ICE TRACTION 4.5	WINTER HANDLING 5.0	WINTER HANDLING 4.5	WINTER HANDLING 5.0
<b>VEHICLE &amp; APPLICATION SEGMENT</b> Commercial Vans	<b>VEHICLE &amp; APPLICATION SEGMENT</b> Commercial Vans Full-Size Pickups	<b>VEHICLE &amp; APPLICATION SEGMENT</b> Full-Size Pickups Direct OE Replacement Plus Sizing	<b>VEHICLE &amp; APPLICATION SEGMENT</b> Full-Size Pickups Direct OE Replacement	<b>VEHICLE &amp; APPLICATION SEGMENT</b> Full-Size Pickups Direct OE Replacement
<b>SPEED RATING</b> R	<b>SPEED RATING</b> Q-R-S-T	<b>SPEED RATING</b> Q	<b>SPEED RATING</b> Q	<b>SPEED RATING</b> Q
<b>WHEEL DIAMETER</b> 15"-16"	<b>WHEEL DIAMETER</b> 15"-16"-17"-18"-20"	<b>WHEEL DIAMETER</b> 16"-17"-18"-20"	<b>WHEEL DIAMETER</b> 15"-16"-17"-18"	<b>WHEEL DIAMETER</b> 17"-18"
				

\*Performance ratings are on a scale of 1 to 5 (best) in 0.5-point increments and can be compared within applicable Toyo product categories.











## REGIONAL ALL-POSITION

The M122 is designed for moderate regional and urban applications. Recommended for steer but suitable for all positions, the durable M122 covers a wide segment of the market. 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.

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

### LONG TREAD LIFE

- DSOC II™ technology optimizes footprint design for even wear and long life.
- Wide five-rib pattern with a solid outer rib combine for long, even wear.

### GREAT PERFORMANCE AND SAFETY

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

### DEPENDABLE RETREADABILITY AND CASING DURABILITY

- Four-steel-belt construction braces the tread area, improving durability.
- Stone-ejector grooves minimize stone retention to maintain casing integrity.
- High-elongation top belt protects casing integrity.



M122

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	548020	G / 14	144/142L	7.50-( <b>8.25</b> )	115	17	41.3	11.1	19.1	6175	5840	105	105	503	75
255/70R22.5	548150	H / 16	140/137L	( <b>7.50</b> )-8.25	88	17	36.6	9.9	16.8	5510	5070	120	120	567	75
295/75R22.5	548000	G / 14	144/141L	( <b>8.25</b> )-9.00	106	17	40.0	11.1	18.6	6175	5675	110	110	518	75
11R24.5	548010	G / 14	146/143L	7.50-( <b>8.25</b> )	121	17	43.3	11.1	20.1	6610	6005	105	105	480	75
285/75R24.5	548030	G / 14	144/141L	8.25	109	17	41.1	10.8	19.1	6175	5675	110	110	505	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.

For the latest tire information, please visit [toyotires.com/commercial](http://toyotires.com/commercial)

**TOYO TIRES®**

## REGIONAL ALL-POSITION

The M143 is designed for demanding regional and urban delivery service. 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.

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

### LONG TREAD LIFE

- DSOC II™ technology optimizes footprint design for even wear and long life.
- Wide five-rib pattern with a solid outer rib and optimized tread depth combine for long, even wear.

### EXCELLENT PERFORMANCE AND SAFETY

- Wide solid outer rib improves stability and handling performance.
- Zigzag pattern with deep tread depth improves wet and dry traction.

### IMPROVED FUEL ECONOMY

- Optimized tread design reduces rolling resistance for improved fuel economy.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- Four-steel-belt construction braces the tread area, improving durability.
- High-elongation top belt protects casing integrity, while steel chafer bead offers improved durability.
- Advanced casing design and heat-resistant compounding deliver extended casing life and improved retreadability.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
215/75R17.5	306100	G / 14	126/124M	<b>(6.00)</b> -6.75	58	16	30.6	8.3	14.2	3750	3530	105	105	679	81
225/70R19.5	562060	F / 12	125/123N	<b>(6.00)</b> -6.75	65	16	32.1	8.3	14.7	3640	3415	95	95	647	87
225/70R19.5	562050	G / 14	128/126N	<b>(6.00)</b> -6.75	65	16	32.1	8.3	14.7	3970	3750	110	110	647	87
245/70R19.5	562020	H / 16	136/134N	6.75- <b>(7.50)</b>	77	16	33.2	9.6	15.1	4940	4675	120	120	626	87
265/70R19.5	562070	G / 14	140/138M	6.75- <b>(7.50)</b> -8.25	87	16	34.3	10.0	15.9	5510	5205	110	110	605	81
285/70R19.5	562120	H / 16	145/143M	7.50- <b>(8.25)</b> -9.00	95	17	35.1	10.8	16.3	6395	6005	125	125	590	81

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## REGIONAL ALL-POSITION

The M144 is designed to deliver high mileage in regional and urban bus applications as well as other heavy hauling. Optimized tread delivers excellent traction, even wear, and ride comfort, while four-belt construction extends tire and casing life.

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



SmartWay



### 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.

### EXCELLENT PERFORMANCE AND SAFETY

- Wide solid outer rib improves stability and handling performance.
- Unique tread design delivers quiet, comfortable ride.
- Exceptional uniformity and balance contribute to smooth ride.

### MAXIMUM FUEL EFFICIENCY

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

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- Four-steel-belt construction braces the tread area, improving durability, while a high-elongation top belt protects casing integrity.
- Advanced casing design and heat-resistant compounding deliver extended casing life and improved retreadability.



M144

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
295/80R22.5	548080	H / 16	152/148M	8.25-(9.00)	128	19	41.5	11.9	19.3	7830	6940	125	125	501	81
305/70R22.5	548970	L / 20	152/150L	8.25-(9.00)	137	19	39.5	12.1	17.9	7830	7390	130	130	526	75
315/80R22.5	548370	L / 20	158/156L	(9.00)-9.75	147	19	42.6	12.3	19.1	9370	8820	130	130	488	75

## URBAN ALL-POSITION

The M149 is designed to deliver superior wear performance in tough operations, ranging from urban front axles to regional trailers. Optimized construction and tread design deliver high uniformity, even wear, and excellent wet traction.

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

### 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.

### EXCELLENT PERFORMANCE AND SAFETY

- Five wide grooves with siping on ribs provide outstanding wet traction.
- Exceptional uniformity and balance contribute to a smooth ride.

### 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.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
385/65R22.5	562010	L / 20	160K	<b>(11.75)</b> -12.25	167	20	42.5	14.8	19.8	9920	-	130	-	489	68
425/65R22.5	562090	L / 20	165K	11.75- <b>(12.25)</b> -13.00	191	21	44.7	16.3	19.9	11400	-	120	-	464	68

Bold designates measuring rim width.  
\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## URBAN ALL-POSITION

The M153 is optimized for extremely high-scrub applications, in which tread wear is the primary reason for tire removal. State-of-the-art design and compounding deliver superior wear performance and excellent durability with a 10,000-lb. load-carrying capacity. The M153 is an excellent refuse tire for tough operations.

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



### MAXIMUM REMOVAL MILES

- E-balance provides optimum footprint wear to increase mileage performance.
- Deep tread depth delivers longer wear life under high-scrub conditions.
- Extremely wide tread pattern distributes heavy loads evenly to improve mileage.

### EXCELLENT PERFORMANCE AND SAFETY

- Z-shaped siping in tread increases traction in wet conditions.

### EXCELLENT RETREADABILITY AND CASING DURABILITY

- Unique buttress protector reduces cutting and curb damage to the sidewall.
- Wide steel-belt construction braces the tread area, improving durability, and the high-elongation top belt protects casing integrity.
- High-tensile, open-cord construction keeps moisture and oxygen from entering the cord bundle to combat corrosion.
- Stone-ejector grooves minimize stone retention to maintain casing integrity.



M153

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
315/80R22.5	500040	L / 20	157/154L	(9.00)-9.75	168	26	43	12.3	19.2	10000	9090	130	130	484	75

## URBAN AND REGIONAL ALL-POSITION

The M156 delivers long, even wear and excellent fuel efficiency. It has a 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 in high-scrub environments.

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



### MAXIMUM REMOVAL MILES

- Four-rib pattern and patented sidewall design even pressure on the contact patch to reduce irregular wear.
- E-balance improves fuel efficiency, stability, and casing durability.

### MAXIMUM FUEL EFFICIENCY

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

### EXCELLENT PERFORMANCE AND SAFETY

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

### MAXIMUM RETREADABILITY AND CASING DURABILITY

- E-balance minimizes the 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.

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESURE (PSI)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
225/70R19.5	549470	G/14	128/126N	<b>(6.0)</b> -6.75	71	16	32.1	8.3	14.9	3970	3750	110	110	647	87
245/70R19.5	549480	H/16	136/134N	6.75- <b>(7.5)</b>	83	17	33.2	9.9	15.4	4940	4675	120	120	626	87
11R22.5	549430	G/14	144/142L	7.5- <b>(8.25)</b>	127	22	41.6	11.1	19.4	6175	5840	105	105	499	75
11R22.5	549440	H/16	146/143L	7.5- <b>(8.25)</b>	128	22	41.6	11.1	19.4	6610	6005	120	120	499	75
245/75R22.5	549450	G/14	134/131L	6.75- <b>(7.5)</b>	91	19	36.9	9.5	17.2	4675	4300	110	110	563	75
265/75R22.5	549460	G/14	138/135L	<b>(7.5)</b> -8.25	99	19	38.4	9.8	17.8	5205	4805	110	110	541	75
295/75R22.5	549410	G/14	144/141L	<b>(8.25)</b> -9.0	120	22	40.2	11.1	18.7	6175	5675	110	110	517	75
295/75R22.5	549420	H/16	149/146L	<b>(8.25)</b> -9.0	121	22	40.2	11.1	18.7	7160	6610	125	125	517	75
11R24.5	549490	G/14	146/143L	7.5- <b>(8.25)</b>	134	22	43.6	11.1	20.3	6610	6005	105	105	477	75
11R24.5	549500	H/16	149/146L	7.5- <b>(8.25)</b>	133	22	43.6	11.1	20.3	7160	6610	120	120	477	75
285/75R24.5	549510	G/14	144/141L	7.5- <b>(8.25)</b> -9.0	123	22	41.5	10.8	19.3	6175	5675	110	110	501	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits. \*SmartWay excludes 19.5 sizes.



## LONG HAUL TRAILER

The M157 is designed for operations running high miles per 32nd, from which tires are typically pulled prematurely due to irregular wear. Designed as a fuel-efficient, free-rolling axle tire, it is acceptable for steer axle use. The high miles per 32nd, with minimized irregular wear, results in maximum removal miles.

APPLICATION	RECOMMENDED	SUITABLE
LONG HAUL	TRAILER	STEER
REGIONAL	TRAILER	-



SmartWay

### MAXIMUM REMOVAL MILES

- Optimized tread depth with top decoupler groove is engineered to reduce free-rolling wear and tread squirm, delivering the highest miles per 32nd.

### MAXIMUM FUEL EFFICIENCY

- Industry-leading, 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, deep sipes, and multi-pitch grooves, provides enhanced wet and dry traction while also reducing road noise.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- E-balance profile minimizes growth of the tread profile and maintains uniform and flatter tread radius for the entire life of the casing.
- Enhanced, high-speed casing design resists casing fatigue.
- High-elongation top belt protects casing integrity.
- Four-steel-belt construction contributes to casing durability.



M157

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	541420	G / 14	144/142L	7.50-(8.25)	107	13	41.0	11.1	19.1	6175	5840	105	105	506	75
295/75R22.5	541400	G / 14	144/141L	(8.25)-9.00	99	13	39.8	11.1	18.5	6175	5675	110	110	521	75
11R24.5	541430	G / 14	146/143L	7.50-(8.25)	112	13	43.0	11.1	20.0	6610	6005	105	105	482	75
285/75R24.5	541410	G / 14	144/141L	8.25	104	13	41.0	10.8	19.1	6175	5675	110	110	506	75

## REGIONAL ALL-POSITION

The M170 is designed for demanding regional and urban operations, in which treadwear is the primary reason for tire removal. Excellent even wear in miles per 32nd with a deep tread depth results in maximum removal miles. With high fuel efficiency and even wear, the M170 can deliver a return on investment within a year.

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



### EXCELLENT REMOVAL MILES

- 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.

### HIGH FUEL EFFICIENCY

- Low-rolling-resistance construction minimizes fuel consumption.

### EXCELLENT RETREADABILITY AND CASING DURABILITY

- 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.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
10R22.5	548350	G / 14	141/139L	6.75-( <b>7.50</b> )-8.25	99	19	40.0	10.0	18.1	5675	5355	115	115	519	75
11R22.5	546000	H / 16	146/143L	7.50-( <b>8.25</b> )	115	19	41.3	11.1	18.6	6610	6005	120	120	503	75
12R22.5	546090	H / 16	150/147L	8.25-( <b>9.00</b> )	134	19	42.4	12.0	19.0	7390	6780	120	120	490	75
295/75R22.5	546020	H / 16	149/146L	( <b>8.25</b> )-9.00	110	19	40.2	11.1	18.1	7160	6610	125	125	517	75
9R22.5	546030	F / 12	133/131L	6.00-( <b>6.75</b> )-7.50	86	17	38.2	9.1	17.8	4540	4300	105	105	544	75
11R24.5	546010	H / 16	149/146L	7.50-( <b>8.25</b> )	133	19	43.4	11.1	19.6	7160	6610	120	120	479	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## REGIONAL ALL-POSITION

The M171+ is specifically designed to provide long wear, exceptional fuel efficiency, and superior traction. Toyo's Nano Balance Technology results in exceptional fuel efficiency and resistance to irregular wear. An advanced design reduces strain at the bead area and belt edge to deliver a long life.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	STEER	DRIVE, TRAILER



SmartWay

NANOENERGY<sup>®</sup>

### IMPROVED TREAD COMPOUND

- Maximizes removal miles while maintaining low rolling resistance and traction.

### MAXIMUM FUEL EFFICIENCY

- Nano Balance Technology increases fuel efficiency and provides long, even wear.

### EXCELLENT REMOVAL MILES

- An advanced tread design provides good traction and a smooth ride.
- A wide belt package minimizes the growth of the tread profile and maintains a flatter tread radius.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- E-balance technology retains the tread profile while reducing strain at the bead area and belt edge.
- Stone ejectors prevent casing damage.
- Steel chafer bead improves durability and retreadability.



M171+

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	520070	H / 16	146/143L	7.50-(8.25)	122	20	41.5	11.1	19.3	6610	6005	120	120	501	75
11R22.5	520080	G / 14	144/142L	7.50-(8.25)	121	20	41.5	11.1	19.3	6175	5840	105	105	501	75
295/75R22.5	520050	H / 16	149/146L	(8.25)-9.00	116	20	40.1	11.1	18.7	7160	6610	123	123	518	75
295/75R22.5	520060	G / 14	144/141L	(8.25)-9.00	115	20	40.1	11.1	18.7	6175	5675	110	110	518	75

## LONG HAUL TRAILER

The NanoEnergy® M175 maximizes fuel efficiency and mileage in long haul applications. This is the most fuel-efficient trailer tire in Toyo's commercial tire lineup, delivering low rolling resistance and excellent wear in miles per 32nd.

APPLICATION	RECOMMENDED	SUITABLE
LONG HAUL	TRAILER	-



SmartWay **NANOENERGY®**

M175

### MAXIMUM FUEL EFFICIENCY

- Nano Balance Technology maximizes fuel efficiency while maintaining overall durability.

### EXCELLENT REMOVAL MILES

- Extra-wide tread provides optimum footprint to increase mileage.
- Seven-groove design optimizes contact pressure for long and even wear.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- E-balance profile minimizes growth of the tread profile and maintains a uniform and flatter tread radius for the entire life of the casing.
- Enhanced, high-speed casing design resists casing fatigue.
- Unique belt package protects casing integrity.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
445/50R22.5	500470	L / 20	161L	<b>(14.00)</b> -15.00	187	13	39.8	17.4	18.5	10200	-	120	-	521	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## LONG HAUL STEER

The M177 delivers maximum fuel efficiency and even wear for long-haul operations. A deep tread, low-rolling-resistance tread compound, and excellent retreadability make the M177 a leading steer tire for long haul applications.

APPLICATION	RECOMMENDED	SUITABLE
LONG HAUL	STEER	TRAILER



SmartWay

### 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, deep sipes, and multi-pitch 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.
- High-elongation top belt protects casing integrity.



M177

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
11R22.5	547270	G / 14	144/142L	7.50-(8.25)	108	18	41.3	11.1	18.6	6175	5840	105	105	503	75
11R22.5	547280	H / 16	146/143L	7.50-(8.25)	108	18	41.3	11.1	18.6	6610	6005	120	120	503	75
295/75R22.5	547090	G / 14	144/141L	(8.25)-9.00	114	18	40.1	11.5	18.1	6175	5675	110	110	518	75
295/75R22.5	547130	H / 16	149/146L	(8.25)-9.00	114	18	40.1	11.5	18.1	7160	6610	125	125	518	75
11R24.5	547290	G / 14	146/143L	7.50-(8.25)	121	18	43.3	11.1	19.6	6610	6005	105	105	480	75
11R24.5	547400	H / 16	149/146L	7.50-(8.25)	121	18	43.3	11.1	19.6	7160	6610	120	120	480	75
285/75R24.5	547180	G / 14	144/141L	8.25	114	18	41.4	10.9	18.8	6175	5675	110	110	502	75
285/75R24.5	547170	H / 16	147/144L	8.25	114	18	41.4	10.9	18.8	6780	6175	120	120	502	75

## ON/OFF-ROAD ALL-POSITION

The M320 is built for multiple applications in the most demanding high-traction, high-torque environments. Designed for logging, mining, concrete mixers, and refuse trucks, this cut- and chip-resistant tire delivers extended tread life, superb traction, and exceptional durability.

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

### MAXIMUM REMOVAL MILES

- Tough tread compound resists cuts and chips to extend tire life.
- DSOC II™ technology optimizes footprint design for even wear and long 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.

### ENHANCED RETREADABILITY AND CASING DURABILITY

- High-elongation top belt protects casing integrity.
- Stone-ejector grooves minimize stone retention to maintain casing integrity.
- Four-steel-belt construction contributes to casing durability.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
12R22.5	549060	H / 16	150/147K	8.25-( <b>9.00</b> )	144	23	42.8	11.6	19.9	7390	6780	120	120	484	68

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## ON/OFF-ROAD HEAVY-DUTY ALL-POSITION

The M325 is the cornerstone of our construction line. It provides full coverage for mixed-service fleets serving the construction, mining, energy, and logging industries. A tough casing developed through several years of real-world testing in severe-duty applications, a wide footprint with specially designed stone ejectors in every groove, and a cut- and chip-resistant tread compound deliver durability, retreadability and a high return on investment.

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



### EXCELLENT 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.

### EXCELLENT RETREADABILITY AND CASING DURABILITY

- Specially designed stone ejectors in every groove minimize casing damage.
- 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.

**M325™**



**M325™**  
WIDE BASE



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	546250	H / 16	146/143K	7.50-(8.25)	134	25	41.8	11.1	19.4	6610	6005	120	120	497	68
255/70R22.5	546270	H / 16	140/137L	(7.50)-8.25	99	21	36.8	9.9	17.1	5510	5070	120	120	564	75
275/70R22.5	546260	J / 18	148/145J	7.50-(8.25)	118	22	38.2	10.8	17.4	6940	6395	130	130	543	75
315/80R22.5	546280	L / 20	K	(9.00)-9.75	157	24	43.0	12.3	20.0	10200	9090	130	130	484	68
11R24.5	546190	H / 16	149/146K	7.50-(8.25)	141	25	43.9	11.1	19.8	7160	6610	120	120	473	68

### WIDE BASE

385/65R22.5	546230	J / 18	158K	(11.75)-12.25	170	23	42.6	14.8	20.7	9370	-	120	-	487	68
425/65R22.5	546210	L / 20	165K	(12.25)-14.0	196	23	44.9	16.3	21.1	11400	-	120	-	463	68

## ON/OFF-ROAD HEAVY-DUTY ALL-POSITION

M325 CR spec tires feature an extra tough cut-and-chip resistant compound and sidewall for the most severe duty jobs. A sturdy casing developed through several years of real-world testing and a wide footprint with specially designed stone ejectors in every groove delivers durability, retreadability, and a high return on investment.

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



### MAXIMUM REMOVAL MILES

- Extra tough cut- and chip-resistant compound extends tire life.
- Extra tough sidewall built to handle cuts and scrapes.

### EXCELLENT PERFORMANCE AND SAFETY

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



### EXCELLENT RETREADABILITY AND CASING DURABILITY

- Specially designed stone ejectors in every groove minimize casing damage.
- 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.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R24.5	546220	H / 16	149/146K	7.50-( <b>8.25</b> )	141	25	43.9	11.1	19.8	7160	6610	120	120	473	68

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## ON/OFF-ROAD DRIVE

The M503 delivers excellent traction and dependability in tough off-road conditions. A deep lug tread provides traction on muddy and unimproved roads and V-shaped grooves eject stones to prevent stone drilling.

APPLICATION	RECOMMENDED	SUITABLE
ON/OFF-ROAD	DRIVE	-

### EXCELLENT 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.



M503

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	549100	H / 16	146/143K	8.25	127	26	42.0	11.1	19.5	6610	6005	120	120	494	68
11R24.5	549120	H / 16	149/146K	8.25	136	26	44.0	11.1	20.4	7160	6610	120	120	472	68

## URBAN AND ON/OFF-ROAD DRIVE

The M506 is built for severe on/off-road applications. Deep tread, exceptional durability, and extended casing life make it the ideal tire for logging, construction, and refuse vehicles.

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

### MAXIMUM REMOVAL MILES

- Tough tread compound resists cuts and chips to extend tire life.
- DSOC II™ technology optimizes footprint design for even wear and long 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.

### ENHANCED RETREADABILITY AND CASING DURABILITY

- High-elongation top belt protects casing integrity.
- Stone-ejector grooves minimize stone retention to maintain casing integrity.
- Four-steel-belt construction contributes to casing durability.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	549280	H / 16	148/145G	8.25	134	30	42.2	11.1	19.6	6610	6005	120	120	492	55
11R24.5	549300	H / 16	149/146G	8.25	146	30	44.3	11.1	20.6	7160	6610	120	120	469	55

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## ON/OFF-ROAD DRIVE

The M588 is built for severe service applications including oil, gas, mining, and logging operations. Deep tread, tough construction, and a special cut- and chip-resistant compound deliver long tire life for severe-use vehicles.

APPLICATION	RECOMMENDED	SUITABLE
ON/OFF-ROAD	DRIVE	-



### LONG TREAD LIFE

- Extra-deep tread for traction and long life.
- Durable belt package and tread design provides even contact pressure and distribution across the tread surface to resist irregular wear.

### ENHANCED RETREADABILITY AND CASING DURABILITY

- Special cut- and chip-resistant compound.
- Stone ejectors in all channels help protect the casing from stone damage.

### MAXIMUM TRACTION

- Large blocks with a high-void-ratio design improve traction in both on/off-road applications.
- Ejectors in the shoulder help keep the tread channels clean for enhanced grip.



M588

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	549210	H / 16	146/143K	7.50-(8.25)	144	33	42.7	11.1	19.8	6610	6005	120	120	487	68
11R24.5	549190	H / 16	149/146K	7.50-(8.25)	153	33	44.5	11.1	20.7	7160	6610	120	120	467	68

## URBAN AND ON/OFF-ROAD DRIVE

The M608 is designed for regional and urban pickup and delivery service. 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.

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

### EXCEPTIONAL TRACTION

- Extra-wide lug and block pattern offers superior traction in snow, mud, and sand.
- Top-selling 225/70R19.5 size (see below) accepts TSMI #15 studs for use in extreme winter conditions.

### EXCELLENT REMOVAL MILEAGE

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

### ENHANCED RETREADABILITY AND CASING DURABILITY

- Four-steel-belt construction contributes to casing durability.



Pinned for studs (225/70R19.5 only)



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
215/75R17.5	316080	F / 12	124/123L	<b>(6.00)</b> -6.75	61	19	30.8	8.5	14.3	3530	3420	100	100	674	75
225/70R19.5	556230	F / 12	125/123N	<b>(6.00)</b> -6.75	68	20	32.3	8.3	14.8	3640	3415	95	95	643	87
225/70R19.5	556170	G / 14	128/126N	<b>(6.00)</b> -6.75	68	20	32.3	8.3	14.8	3970	3750	110	110	643	87
265/70R19.5	556190	G / 14	140/138L	6.75- <b>(7.50)</b> -8.25	82	20	34.4	10.2	16.0	5510	5205	110	110	602	75
285/70R19.5	556120	H / 16	145/143L	7.50- <b>(8.25)</b> -9.00	95	21	35.4	11.0	16.5	6395	6005	125	125	586	75
9R22.5	556000	G / 14	136/134L	6.75	85	19	38.3	8.9	17.8	4940	4675	120	120	542	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## URBAN DRIVE

The M610 delivers high traction, high torque, and cut and chip resistance plus high mileage. The tire comes with a 28/32" tread depth which adds to its long life and preference among fleets.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	DRIVE	-
URBAN	DRIVE	-

### MAXIMUM TRACTION

- Deep open-shoulder tread provides traction in both wet and dry conditions.
- High-traction, high-torque tread design prevents block tearing.

### EXCELLENT REMOVAL MILES

- DSOC II™ technology optimizes footprint design for even wear and long life.
- Deep tread depth delivers longer life.
- Tie bars in shoulder bridge reduce tread block movement.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- Four-steel-belt construction braces the tread area, improving durability.
- V-shaped groove design ejects packed stone at low speeds to prevent stone drilling.
- High-elongation top belt protects casing integrity.



M610

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	556350	G / 14	144/142L	7.50-(8.25)	125	28	42.0	11.1	18.8	6175	5840	105	105	495	75
11R22.5	556330	H / 16	146/143L	7.50-(8.25)	124	28	42.0	11.1	18.8	6610	6005	120	120	495	75
295/75R22.5	556380	G / 14	144/141L	(8.25)-9.00	120	28	40.7	11.1	18.4	6175	5675	110	110	510	75
11R24.5	556460	G / 14	146/143L	8.25	138	28	44.0	11.1	20.4	6610	6005	105	105	471	75
11R24.5	556470	H / 16	149/146L	8.25	138	28	44.0	11.1	20.4	7160	6610	120	120	471	75
285/75R24.5	556500	G / 14	144/141L	8.25	130	28	42.0	11.1	19.5	6175	5675	110	110	494	75

## REGIONAL DRIVE

The M647 is ideal for urban to long haul operations, where tread wear is the primary reason tires are removed from service. Excellent miles per 32nd, combined with excellent traction and control and minimal irregular wear, make it the drive tire of choice in multiple applications. These benefits result in a lower cost per mile for urban, regional, and long haul vehicles.

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



### MAXIMUM REMOVAL MILES

- Deep tread depth delivers maximum miles.
- E-balance provides optimum footprint wear to increase mileage performance.
- Four-groove tread design, combined with an optimized void ratio, contributes to high mileage.
- High-rigidity shoulder reduces edge wear to prevent early removal.

### 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 the entire life of the casing.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	558070	G / 14	144/142L	7.50-( <b>8.25</b> )	124	30	42.1	11.1	19.6	6175	5840	105	105	493	75
11R22.5	558090	H / 16	146/143L	7.50-( <b>8.25</b> )	124	30	42.1	11.1	19.6	6610	6005	120	120	493	75
12R22.5	558360	H / 16	150/147L	8.25-( <b>9.00</b> )	143	29	43.2	12.0	20.1	7390	6780	120	120	481	75
255/70R22.5	558350	H / 16	140/137L	( <b>7.50</b> )-8.25	99	25	37.1	9.9	17.2	5510	5070	120	120	560	75
295/75R22.5	558300	G / 14	144/141L	( <b>8.25</b> )-9.00	120	30	40.9	11.1	19.0	6175	5675	110	110	507	75
11R24.5	558170	G / 14	146/143L	7.50-( <b>8.25</b> )	123	30	44.1	11.1	20.5	6610	6005	105	105	471	75
11R24.5	558180	H / 16	149/146L	7.50-( <b>8.25</b> )	123	30	44.1	11.1	20.5	7160	6610	120	120	471	75
285/75R24.5	558160	G / 14	144/141L	8.25	123	30	42.1	10.8	19.6	6175	5675	110	110	494	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## URBAN DRIVE

The M650 is designed for high-torque applications. It delivers traction and high mileage while providing great cut and chip resistance. The tire comes with a 28/32" tread depth, which adds to its long life. These benefits, plus a low-rolling-resistance tread compound, make the SmartWay-verified M650 preferred by fleets.

APPLICATION	RECOMMENDED	SUITABLE
REGIONAL	DRIVE	-
URBAN	DRIVE	-



SmartWay

### EXCELLENT FUEL EFFICIENCY

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

### MAXIMUM TRACTION

- Deep 28/32" open-shoulder tread provides traction in both wet and dry conditions.
- High-traction, high-torque tread design prevents block tearing.

### EXCELLENT REMOVAL MILES

- E-balance provides optimum footprint wear to increase mileage performance.
- Deep 28/32" tread depth delivers longer life.
- Tie bars in shoulder bridge reduce tread block movement.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- E-balance profile minimizes growth of the tread profile and maintains uniform and flatter tread radius for the entire life of the casing.
- V-shaped groove design ejects packed stones at low speeds to prevent stone drilling.
- High-elongation top belt protects casing integrity.



M650

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	558820	G / 14	144/142L	7.50-(8.25)	125	28	42.0	11.1	18.8	6175	5840	105	105	495	75
11R22.5	558830	H / 16	146/143L	7.50-(8.25)	125	28	42.0	11.1	18.8	6610	6005	120	120	495	75
295/75R22.5	558800	G / 14	144/141L	(8.25)-9.00	120	28	40.7	11.1	18.4	6175	5675	110	110	510	75

## URBAN AND ON/OFF-ROAD DRIVE

The all-weather M655 is a tough, mixed-service commercial tire built for year-round use in local and regional operations. This tire is highly capable both on and off the road, and suitable for both drive and steer applications. A Three-Peak Mountain Snowflake confirms its ability to perform in snow and ice, while durable construction helps keep it in service day after day.

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



Three-Peak Mountain Snowflake qualified.

### SUPERIOR ALL-WEATHER PERFORMANCE

- Wide, aggressive tread design delivers optimal traction in snow, mud, and sand.
- Multi-wave sipes improve braking on icy, wet, and dry roads
- Accepts TSMI #15 studs for use in extreme winter conditions.

### EXCELLENT 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.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- E-balance profile minimizes growth of the tread profile and maintains uniform and flatter tread radius for the entire life of the casing.
- Special cut- and chip-resistant tread compound.
- Stone ejectors in all major grooves prevent casing damage.
- Aggressive sidewall protector reduces cutting and curb damage.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
225/70R19.5	556640	G / 14	128/126N	<b>(6.00)</b> -6.75	70	20	32.3	8.5	14.8	3970	3750	110	110	643	87
245/70R19.5	556650	H / 16	136/134N	6.75- <b>(7.50)</b>	82	21	33.5	9.9	15.2	4940	4675	120	120	621	87
265/70R19.5	111390	G / 14	140/138L	<b>(7.50)</b> -8.25	84	20	34.5	10.0	16.1	5510	5205	112	112	602	99

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## REGIONAL DRIVE

The M671A+ provides long, even wear and superior traction. A 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. Plus, an optimized tread pattern with 3D sipes provides even contact pressure and wear for longer tire life.

APPLICATION	RECOMMENDED	SUITABLE
LONG HAUL	DRIVE	-
REGIONAL	DRIVE	-



SmartWay **NANOENERGY®**

### EXCELLENT FUEL EFFICIENCY

- Uniformity of the cap and base compound increases fuel efficiency and wear resistance.
- Advanced pad and sidewall compounds contribute to increased 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.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- A high elongation top belt protects the casing from cuts.
- Stone ejectors prevent casing damage.
- Steel chafer bead improves durability and retreadability.

**M671A™**  
19.5



**M671A+™**  
22.5



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
225/70R19.5	500740	G / 14	128/126N	<b>(6.00)</b> -6.75	72	15	32.2	8.4	14.9	3970	3750	110	110	645	87
245/70R19.5	500760	H / 16	136/134N	6.75- <b>(7.50)</b>	83	19	33.3	9.5	15.5	4940	4675	120	120	623	87

### 22.5

11R22.5	500820	G / 14	144/142L	7.50- <b>(8.25)</b>	135	26	41.9	11.1	19.5	6175	5840	105	105	496	75
11R22.5	500810	H / 16	146/143L	7.50- <b>(8.25)</b>	136	26	41.9	11.1	19.5	6610	6005	120	120	496	75
295/75R22.5	500800	G / 14	144/141L	<b>(8.25)</b> -9.00	127	26	40.4	11.1	18.8	6175	5675	110	110	514	75

## LONG HAUL DRIVE

The NanoEnergy® M675 is an even-wearing drive tire that maximizes fuel efficiency and mileage in long haul applications. This is the most fuel-efficient drive tire in the Toyo lineup, with low rolling resistance and excellent wear.

APPLICATION	RECOMMENDED	SUITABLE
LONG HAUL	DRIVE	-



SmartWay **NANOENERGY®**

### MAXIMUM FUEL EFFICIENCY

- Nano Balance Technology maximizes fuel efficiency while improving overall durability.

### EXCELLENT REMOVAL MILES

- Extra-wide tread provides optimum footprint to increase mileage.
- Six-groove design optimizes contact pressure for long, even wear.
- Deep tread depth maximizes tread life.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- E-balance profile minimizes growth of the tread profile and maintains uniform and flatter tread radius for the entire life of the casing.
- Enhanced, high-speed casing design resists casing fatigue.
- Unique belt package protects casing integrity.



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
445/50R22.5	500460	L / 20	161L	<b>(14.00)</b> -15.00	200	24	40.4	17.4	18.8	10200	-	120	-	515	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.



## LONG HAUL DRIVE

The M677+ is designed to maximize removal miles, fuel efficiency, and deliver great traction. Excellent wear performance and exceptional retreadability make it preferred by fleets.

APPLICATION	RECOMMENDED	SUITABLE
LONG HAUL	DRIVE	-
REGIONAL	DRIVE	-



### IMPROVED TREAD COMPOUND

- Maximizes removal miles while maintaining low rolling resistance and traction.

### EXCELLENT FUEL EFFICIENCY

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

### EXCELLENT REMOVAL MILES

- E-balance provides optimum footprint wear to increase mileage performance.
- High-rigidity shoulder reduces the likelihood of early removal due to irregular wear.

### EXCEPTIONAL RETREADABILITY AND CASING DURABILITY

- E-balance profile minimizes the growth of the tread profile and maintains uniform and flatter tread radius for the entire life of the casing.
- Enhanced, high-speed casing design resists casing fatigue.
- High-elongation top belt protects casing integrity.



M677+

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
11R22.5	540350	G / 14	144/142L	7.50-(8.25)	127	28	42.0	11.1	18.8	6175	5840	105	105	495	75
11R22.5	540360	H / 16	146/143L	7.50-(8.25)	128	28	42.0	11.1	18.8	6610	6005	120	120	495	75
295/75R22.5	540330	G / 14	144/141L	(8.25)-9.00	117	28	40.7	11.1	18.4	6175	5675	110	110	510	75
295/75R22.5	540340	H / 16	146/143L	(8.25)-9.00	122	28	40.7	11.1	18.4	6610	6005	120	120	510	75
11R24.5	540310	G / 14	146/143L	7.50-(8.25)	136	28	44.0	11.1	19.8	6610	6005	105	105	472	75
11R24.5	540320	H / 16	149/146L	7.50-(8.25)	137	28	44.0	11.1	19.8	7160	6610	120	120	472	75
285/75R24.5	540300	G / 14	144/141L	8.25	124	28	41.9	10.8	19.0	6175	5675	110	110	495	75

## REGIONAL DRIVE

The M920A delivers superb all-weather traction and high mileage for year-round use in regional and urban operations. This unique tire features a Three-Peak Mountain Snowflake plus a wider tread width for even load distribution and improved stability. The deep tread ensures maximum mileage on pickup and delivery vehicles, while the N-speed rating matches OE 19.5 specifications. Computer-optimized design, all-weather traction, and high mileage make the M920A the leading tire for pickup and delivery vehicles.

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



Three-Peak Mountain Snowflake qualified.

### EXCELLENT REMOVAL MILES

- Deep tread depth delivers maximum miles.
- E-balance provides optimum footprint wear to increase mileage performance.
- Wider tread width for even load distribution, improved stability, and excellent profile retention.

### 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.

**M920A™**  
19.5



**M920A™**  
22.5-24.5



TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
225/70R19.5	540040	G / 14	128/126N	<b>(6.00)</b> -6.75	68	21	32.4	8.3	14.8	3970	3750	110	110	642	87
245/70R19.5	540050	G / 14	133/131N	6.75- <b>(7.50)</b>	79	22	33.6	9.9	15.2	4540	4300	110	110	619	87
<b>22.5-24.5</b>															
11R22.5	540100	G / 14	144/142L	7.50- <b>(8.25)</b>	128	27	41.9	11.1	19.5	6175	5840	105	105	495	75
11R22.5	540090	H / 16	146/143L	7.50- <b>(8.25)</b>	128	27	41.9	11.1	19.5	6610	6005	120	120	495	75
295/75R22.5	540170	G / 14	144/141L	<b>(8.25)</b> -9.00	127	27	40.7	11.1	18.9	6175	5675	110	110	510	75
315/80R22.5	540190	L / 20	157/154L	<b>(9.00)</b> -9.75	174	29	43.1	12.3	20.1	9090	8270	130	130	481	75
11R24.5	540140	H / 16	149/146L	7.50- <b>(8.25)</b>	139	27	43.9	11.1	20.4	7160	6610	120	120	473	75
285/75R24.5	540160	G / 14	144/141L	8.25	132	27	41.9	10.8	19.5	6175	5675	110	110	496	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.

## LOW-PLATFORM TRAILER

The M1430 is the ideal 17.5" tire for low-platform and high-cube trailers in regional, urban, and long haul applications. The high miles per 32nd, with minimized irregular wear, results in excellent removal miles.

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

### EXCELLENT REMOVAL MILES

- DSOC II™ technology optimizes footprint design for even wear and long life.
- Five-rib, four-groove pattern with a solid outer rib and tread depth combine for long, even wear.

### 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.

### EXCEPTIONAL CASING DURABILITY

- Stone-ejector grooves minimize stone retention to maintain casing integrity.
- High-elongation top belt protects casing integrity.



M1430

TIRE SIZE	PRODUCT CODE	LOAD RANGE & PLY RATING	LI/SS	APPROVED RIM WIDTH RANGE (IN.) (DESIGN RIM)	TIRE WEIGHT (LBS.)	TREAD DEPTH	INFLATED DIMENSIONS*		STATIC LOADED RADIUS (IN.)	MAX LOAD (LBS.)		MAX PRESSURE (LBS.)		REVS PER MILE	MAX SPEED (MPH)
							OVERALL DIAMETER (IN.)	OVERALL WIDTH (IN.)		SINGLE	DUAL	SINGLE	DUAL		
215/75R17.5	520090	H / 16	135/133L	<b>(6.00)</b> -6.75	59	15	30.5	8.3	14.2	4805	4540	125	125	682	75
235/75R17.5	111370	J / 18	143/141L	<b>(6.75)</b> -7.50	65	15	31.6	9.2	14.7	6005	5675	125	125	657	75
245/70R17.5	520100	J / 18	143/141L	<b>(6.75)</b> -7.50	71	16	31.4	9.4	14.6	6005	5675	125	125	662	75

Bold designates measuring rim width.

\*Inflated dimensions. Never exceed wheel manufacturer's load and inflation limits.

For the latest tire information, please visit [toyotires.com/commercial](http://toyotires.com/commercial)

**TOYO TIRES®**





# LIGHT COMMERCIAL



TRUCK/  
SPECIAL VAN



## COMMERCIAL VAN ALL-SEASON

The Toyo H08+ is built for the rigorous demands placed on modern commercial vans. Its commercial grade construction and unique tread design provide durability and long tread life for passenger transportation, delivery hauling and commercial applications. The H08+ also delivers confident handling in both dry and wet conditions.

### POPULAR FITMENTS

Modern commercial vans, such as the Ford Transit.

### COMMERCIAL-GRADE CONSTRUCTION

- Stands up to the rigorous demands placed on modern commercial vans.

### DEEP TREAD DEPTH

- Delivers long tread life and enhanced water evacuation.

### CONTINUOUS TREAD BLOCK DESIGN

- Increases straight-line stability and resists irregular wear.

### WIDE TREAD BLOCKS AND CLOSED SHOULDERS

- Provide increased stability under load.



WHEEL DIA.	TIRE SIZE	LOAD/SPEED	LOAD ID	SIDEWALL	PRODUCT CODE	APPROVED RIM WIDTH RANGE (IN.)	TIRE WEIGHT (LBS.)	TREAD DEPTH (1/32")	OVERALL DIA. (IN.)*	OVERALL WIDTH (IN.)*	MAX LOAD (LBS.)		MAX PRESSURE (PSI)	REVS PER MILE
											SINGLE	DUAL		
15	185/60R15C	94/92T	C	BSW	369720	<b>(5.5)</b> -6.0	22	12.0	23.7	7.4	1475	1390	54	875
16	195/75R16C	107/105R	D	BSW	369010	5.0- <b>(5.5)</b> -6.0	29	12.6	27.5	7.7	2150	2040	69	756
	205/75R16C	113/111R	E	BSW	369020	<b>(5.5)</b> -6.5	31	12.7	28.1	8.0	2535	2405	76	739
	LT225/75R16	115/112R	E	BSW	369700	<b>(6.0)</b> -7.5	39	14.1	29.3	8.8	2680	2470	80	709
	225/75R16C	121/120R	E	BSW	369750	<b>(6.0)</b> -7.0	36	13.0	29.3	8.8	3197	3086	83	709
	235/65R16C	121/119R	E	BSW	360960	6.5- <b>(7.0)</b> -7.5	38	12.9	28.0	9.4	3195	3000	83	741
	LT245/75R16	120/116S	E	BSW	369710	6.5- <b>(7.0)</b> -8.0	38	14.4	30.5	9.8	3042	2778	80	682

Speed rated "Q" = 99mph, "R" = 106mph, "S" = 112 mph, "T" = 118 mph, "C" = 6-ply rating, "D" = 8-ply rating, "E" = 10-ply rating, "BSW" = Black Sidewall. Bold designates measuring rim width. \*Inflated dimensions.



## COMMERCIAL GRADE ALL-WEATHER

Celsius Cargo delivers long-lasting year-round reliability. A durable sidewall protects against curb damage and a sturdy casing delivers predictable handling and stability during frequent stops and starts.

### POPULAR FITMENTS

Ford Transit, Trucks and Vans  
Chevrolet Express  
Ram Trucks and Vans  
Mercedes-Benz Sprinter  
Nissan NV



Three-Peak Mountain  
Snowflake qualified for  
severe snow conditions.

### ALL-WEATHER TREAD DESIGN

- Maximizes wet and dry traction with a circumferential rib and low void ratio on the outside tread.
- Optimizes snow, slush and ice traction with zigzag shaped tread blocks containing a high sipe density on the inside tread.

### SNOW CLAWS

- Grip the snow and ice to improve traction.

### SLUSH GROOVES

- Evacuate snow and ice to maximize traction.

### MULTI-WAVE SIPES

- Minimize irregular wear for a smooth ride and long tread life.
- Improve braking on icy, wet and dry roads.



LT / SUV / CUV / COM VAN

WHEEL DIA.	TIRE SIZE	LOAD/SPEED	LOAD ID	SIDEWALL	PRODUCT CODE	APPROVED RIM WIDTH RANGE (IN.)	TIRE WEIGHT (LBS.)	TREAD DEPTH (1/32")	OVERALL DIA. (IN.)*	OVERALL WIDTH (IN.)*	MAX LOAD (LBS.)		MAX PRESSURE (PSI)	REVS PER MILE
15	185/60R15C	94/92T	C	BSW	238390	(5.5)-6.0	23	12.1	23.7	7.4	1475	1390	54	875
	195/75R16C	107/105R	D	BSW	238440	5.0-(5.5)-6.0	30	12.7	27.5	7.7	2150	2040	69	756
	205/75R16C	113/111R	E	BSW	238570	(5.5)-6.5	31	12.9	28.1	8.0	2535	2405	76	739
	LT215/85R16	115/112Q	E	BSW	238460	5.5-(6.0)-7.0	42	14.2	30.4	8.5	2680	2470	80	683
16	LT225/75R16	115/112R	E	BSW	238490	(6.0)-7.5	38	14.1	29.3	8.8	2680	2470	80	709
	225/75R16C	121/120R	E	BSW	238470	(6.0)-7.0	36	13.1	29.3	8.8	3195	3085	83	709
	235/65R16C	121/119R	E	BSW	238410	6.5-(7.0)-7.5	35	13.0	28.0	9.4	3195	3000	83	741
	LT245/75R16	120/116S	E	BSW	238500	6.5-(7.0)-8.0	40	14.4	30.5	9.8	3042	2778	80	682
17	LT245/70R17	119/116S	E	BSW	238510	6.5-(7.0)-8.0	43	14.2	30.6	9.8	3000	2755	80	680
	LT245/75R17	121/118S	E	BSW	238530	6.5-(7.0)-8.0	41	14.4	31.5	9.8	3195	2910	80	660
18	LT265/70R18	124/121S	E	BSW	238540	7.0-(8.0)-9.0	43	14.5	32.6	10.7	3525	3195	80	636
	LT275/65R18	123/120S	E	BSW	238550	(8.0)-9.5	52	14.5	32.1	11.0	3415	3085	80	647
20	LT275/65R20	126/123S	E	BSW	238430	(8.0)-9.5	50	14.5	34.1	11.0	3750	3415	80	609

## ON/OFF-ROAD LIGHT TRUCK COMMERCIAL GRADE

The Open Country C/T boasts all-terrain light truck commercial grade durability, plus a Three-Peak Mountain Snowflake qualifies it for severe snow conditions. Developed for balanced on- and off-road work year-round, its unique tread design and tough construction deliver long tread life and traction in gravel, mud and snow. Contrary to its aggressive appearance, the Open Country C/T also provides a quiet, comfortable highway ride.

### POPULAR FITMENTS

Chevrolet Silverado  
Ford F-Series  
Nissan Titan  
Ram Series  
Toyota Tundra



Three-Peak Mountain  
Snowflake qualified for  
severe snow conditions.

### HIGH TURN-UP, 3-PLY POLYESTER CONSTRUCTION

- Contributes to excellent durability, impact resistance and handling.

### BALANCED TREAD COMPOUND

- Helps resist cutting, chipping and stone drilling while remaining flexible in lower temperatures.
- Extends tire life and provides dependable year-round service.

### DUAL-ANGLE SHOULDER BLOCKS

- Enhance traction in snow, mud and rutted road conditions.

### OPEN SHOULDER DESIGN

- Helps provide traction in mild mud, slush and snow.

### PINNED FOR STUDS

- Able to accept TSMI #15 studs to aid in ice traction.





WHEEL DIA.	TIRE SIZE	LOAD/SPEED	LOAD ID	SIDEWALL	PRODUCT CODE	APPROVED RIM WIDTH RANGE (IN.)	TIRE WEIGHT (LBS.)	TREAD DEPTH (1/32")	OVERALL DIA. (IN.)*	OVERALL WIDTH (IN.)*	MAX LOAD (LBS.) SINGLE DUAL	MAX PRESSURE (PSI)	REVS PER MILE
16	LT215/85R16	115/112Q	E	BSW	345220	5.5-(6.0)-7.0	46	17.0	30.4	8.5	2680 2470	80	683
	LT225/75R16	115/112Q	E	BSW	345180	(6.0)-7.0	45	17.0	29.3	8.8	2680 2470	80	709
	LT235/85R16	120/116Q	E	BSW	345160	6.0-(6.5)-7.5	55	18.3	31.7	9.3	3042 2778	80	655
	LT245/75R16	120/116Q	E	BSW	345050	6.5-(7.0)-8.0	51	18.3	30.7	9.8	3042 2778	80	676
	LT265/75R16	123/120Q	E	BSW	345170	7.0-(7.5)-8.0	57	18.4	31.7	10.5	3415 3085	80	656
	LT285/75R16	116/113Q	C	BSW	345190	7.5-(8.0)-9.0	62	18.4	32.8	11.3	2755 2535	50	633
17	LT225/75R17	116/113Q	E	BSW	345210	(6.0)-7.5	49	17.0	30.3	8.8	2755 2535	80	685
	LT235/80R17	120/117Q	E	BSW	345090	6.0-(6.5)-7.5	53	18.3	32.0	9.3	3085 2835	80	648
	LT245/70R17	119/116Q	E	BSW	345070	6.5-(7.0)-8.0	51	18.3	30.8	9.8	3000 2755	80	675
	LT245/75R17	121/118Q	E	BSW	345030	6.5-(7.0)-7.5	54	18.3	31.7	9.8	3195 2910	80	655
	LT265/70R17	121/118Q	E	BSW	345010	7.0-(8.0)-8.5	58	18.4	31.9	10.7	3195 2910	80	651
	LT285/70R17	121/118Q	E	BSW	345000	7.5-(8.5)-9.0	61	18.4	33.0	11.5	3195 2910	80	630
	LT285/70R17	116/113Q	C	BSW	345250	7.5-(8.5)-9.5	63	18.4	33.0	11.5	2755 2535	50	630
	35X12.50R17LT	121Q	E	BSW	345120	8.5-(10.0)-11.0	77	19.3	34.8	12.5	3195 -	65	598
	LT265/70R18	124/121Q	E	BSW	345060	7.0-(8.0)-9.0	57	18.4	32.9	10.7	3525 3195	80	632
	LT275/65R18	123/120Q	E	BSW	345040	7.5-(8.0)-9.0	59	18.4	32.3	11.0	3415 3085	80	643
18	LT275/70R18	125/122Q	E	BSW	345020	7.0-(8.0)-8.5	62	18.4	33.4	11.0	3640 3305	80	621
	LT295/70R18	129/126Q	E	BSW	345240	7.5-(8.5)-10.0	71	18.4	34.5	11.8	4080 3750	80	602
	35X12.50R18LT	128Q	E	BSW	345260	8.5-(10.0)-11.0	79	19.3	34.8	12.5	3415 -	65	598
	LT265/60R20	121/118Q	E	BSW	345110	7.5-(8.0)-9.5	61	18.4	32.8	10.7	3195 2910	80	634
	LT275/55R20	115/112Q	D	BSW	345100	7.5-(8.5)-9.5	62	18.4	32.1	11.2	2680 2470	65	647
20	LT275/65R20	126/123Q	E	BSW	345080	7.5-(8.0)-9.5	65	18.4	34.3	11.0	3750 3415	80	605
	LT285/55R20	122/119Q	E	BSW	345150	8.0-(9.0)-10.0	65	18.4	32.6	11.7	3305 3000	80	637
	LT285/60R20	125/122Q	E	BSW	345200	8.0-(8.5)-10.0	64	18.4	33.5	11.5	3640 3305	80	621
	LT295/65R20	129/126Q	E	BSW	345230	8.0-(8.5)-10.0	78	18.4	35.4	11.8	4080 3750	80	588
	35X12.50R20LT	125Q	E	BSW	345270	8.5-(10.0)-11.0	73	19.3	34.8	12.5	3195 -	65	598

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## OFF-ROAD LIGHT TRUCK COMMERCIAL GRADE

The iconic M-55 might be the hardest-working member of your crew. This light truck commercial grade tire was built to handle the toughest off-road jobs in snow, mud and rough terrain. Its extreme durability and long tread life provide heavy-duty truck owners with dependable year-round service.

### POPULAR FITMENTS

Chevrolet Silverado 2500  
Ford E-Series  
Ford F-250/F-350  
Ram Series



Three-Peak Mountain  
Snowflake qualified for  
severe snow conditions.\*

### AGGRESSIVE LUG AND BLOCK TREAD DESIGN

- Provides solid handling and traction.

### OPEN SHOULDER DESIGN

- Maximizes water evacuation for excellent all-terrain traction and stability.

### AGGRESSIVE SIPING

- Improves wet and snow traction.

### PINNED FOR STUDS

- Able to accept TSMI #15 studs to aid in ice traction.



WHEEL DIA.	TIRE SIZE	LOAD/SPEED	LOAD ID	SIDEWALL	PRODUCT CODE	APPROVED RIM WIDTH RANGE (IN.)	TIRE WEIGHT (LBS.)	TREAD DEPTH (1/32")	OVERALL DIA. (IN.)**	OVERALL WIDTH (IN.)**	MAX LOAD (LBS.) SINGLE	MAX LOAD (LBS.) DUAL	MAX PRESSURE (PSI)	REVS PER MILE
15	LT215/75R15	100/97Q	C	BSW	309290	5.5- <del>(6.0)</del> -7.0	30	17.0	27.7	8.5	1765	1610	50	751
	LT235/75R15	104/101Q	C	BSW	309270	6.0- <del>(6.5)</del> -7.0	37	17.6	28.9	9.3	1985	1820	50	720
16	LT215/85R16	115/112Q	E	BSW	312270	5.5- <del>(6.0)</del> -7.0	43	17.0	30.7	8.7	2680	2470	80	676
	LT225/75R16	115/112Q	E	BSW	312350	<del>(6.0)</del> -7.0	40	17.0	29.4	8.7	2680	2470	80	705
	LT235/85R16	120/116Q	E	BSW	312290	6.0- <del>(6.5)</del> -7.5	49	17.5	32.0	9.3	3042	2770	80	650
	LT245/75R16	120/116Q	E	BSW	312330	6.5- <del>(7.0)</del> -8.0	46	17.5	30.8	9.8	3042	2778	80	675
	LT255/85R16	123/120Q	E	BSW	312230	6.5- <del>(7.0)</del> -8.0	59	18.1	33.4	10.4	3415	3085	80	622
	LT265/75R16	123/120Q	E	BSW	312250	7.0- <del>(7.5)</del> -8.0	58	18.3	32.0	10.8	3415	3085	80	649
	LT285/75R16	126/123Q	E	BSW	312240	7.5- <del>(8.0)</del> -9.0	60	18.9	33.2	11.2	3740	3415	80	626
	LT235/80R17	120/117Q	E	BSW	312210	6.0- <del>(6.5)</del> -7.5	49	17.6	32.0	9.3	3085	2835	80	649
17	LT245/75R17	121/118Q	E	BSW	312190	6.5- <del>(7.0)</del> -7.5	49	17.6	31.9	9.7	3195	2910	80	651
	LT265/70R17	121/118Q	E	BSW	312220	7.0- <del>(8.0)</del> -8.5	53	18.3	32.0	10.6	3195	2910	80	648
	LT285/70R17	121/118Q	E	BSW	302200	7.5- <del>(8.5)</del> -9.0	53	18.9	33.1	11.4	3195	2910	80	627
18	LT265/70R18	124/121Q	E	BSW	312200	7.0- <del>(8.0)</del> -9.0	57	18.3	33.0	10.6	3525	3195	80	629
	LT275/65R18	123/120Q	E	BSW	312300	7.5- <del>(8.0)</del> -9.0	57	18.9	32.4	11.0	3415	3085	80	640
	LT275/70R18	125/122Q	E	BSW	312310	7.0- <del>(8.0)</del> -8.5	60	18.8	33.6	11.0	3640	3305	80	619

\*Three Peak Mountain Snowflake rating excludes sizes LT215/75R15 and LT235/75R15.

Speed rated "Q" = 99mph, "C" = 6-ply rating, "E" = 10-ply rating, "BSW" = Black Sidewall. Bold designates measuring rim width. \*\*Inflated dimensions.

## ON/OFF-ROAD LIGHT TRUCK COMMERCIAL GRADE

The M655 LT for light commercial trucks provides confident traction under heavy loads for mining, energy, agriculture, construction, and forestry use. It has a sturdy sidewall, a cut-and-chip-resistant cap compound, and a heat-resistant base compound that withstands stresses under load on unimproved roads. A deep tread and flat crown radius reduce irregular wear, while the groove and notch design protect the casing from stone damage. Plus, it carries the Three-Peak Mountain Snowflake designation for traction in snow and ice.

### POPULAR FITMENTS

Chevrolet Silverado 2500  
Ford E-Series  
Ford F-250/F-350  
Ram Series



Three-Peak Mountain  
Snowflake qualified for  
severe snow conditions.

### ALL-WEATHER TRACTION

- A wide contact patch provides traction and even wear.
- Deep tread improves traction and provides long wear.
- Three-Peak Mountain Snowflake confirms its performance in snow and ice.
- Waved sipes enhance all-weather traction.
- Pinned to accept TSMI #15 studs.

### SPECIALIZED CAP AND BASE COMPOUND

- Delivers long tread life.
- Protects from cuts and chips.

### THICK AND STURDY SIDEWALL

- Extra buttress protects the sidewall from cuts and abrasions.

### MAXIMUM REMOVAL MILES

- Saddle notch and stone ejectors protect the casing and reinforce the tread blocks.



LT / SUV / CUV / COM VAN

WHEEL DIA.	TIRE SIZE	LOAD/SPEED	LOAD ID	SIDEWALL	PRODUCT CODE	APPROVED RIM WIDTH RANGE (IN.)	TIRE WEIGHT (LBS.)	TREAD DEPTH (1/32")	OVERALL DIA. (IN.)**	OVERALL WIDTH (IN.)**	MAX LOAD (LBS.) SINGLE DUAL	MAX PRESSURE (PSI)	REVS PER MILE
17	LT235/80R17	120/117Q	E	BSW	556730	6.0- <b>(6.5)</b> -8.0	51	18.5	32.0	9.3	3085 2835	80	649
	LT245/75R17	121/118Q	E	BSW	556720	6.5- <b>(7.0)</b> -8.0	52	18.5	31.9	9.7	3195 2910	80	651
	LT245/70R17	119/116Q	E	BSW	556780	6.5- <b>(7.0)</b> -8.0	47	18.5	30.8	9.7	3000 -	80	674
	LT265/70R17	123/120Q	E	BSW	556830	7.0- <b>(8.0)</b> -9.0	54	18.5	32.0	10.6	3195 2910	80	648
	LT285/70R17	126/123Q	E	BSW	556710	7.5- <b>(8.5)</b> -9.5	58	18.5	33.1	11.6	3750 3415	80	628
18	LT265/70R18	124/121Q	E	BSW	556750	7.0- <b>(8.0)</b> -9.0	56	18.5	33.0	10.6	3525 3195	80	629
	LT275/65R18	123/120Q	E	BSW	556770	<b>(8.0)</b> -9.5	57	18.5	32.4	10.7	3415 3085	80	640
	LT275/70R18	125/122Q	E	BSW	556740	7.0- <b>(8.0)</b> -9.0	60	18.5	33.6	10.9	3640 3305	80	619
	LT295/70R18	129/126Q	E	BSW	556760	7.5- <b>(8.5)</b> -10.0	64	18.5	34.6	11.7	4080 3750	80	600



# GLOSSARY

## TREAD PATTERNS

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



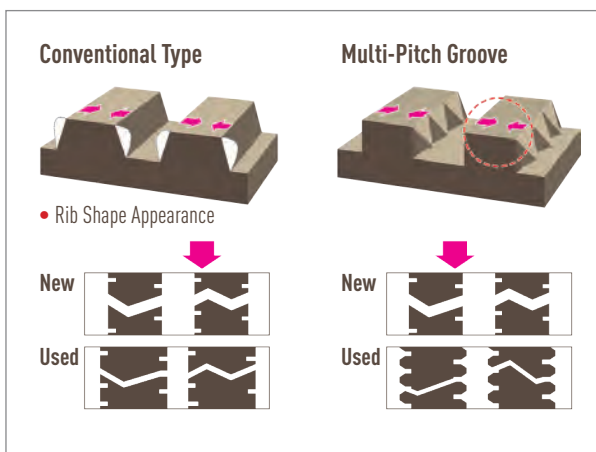
## ICONS



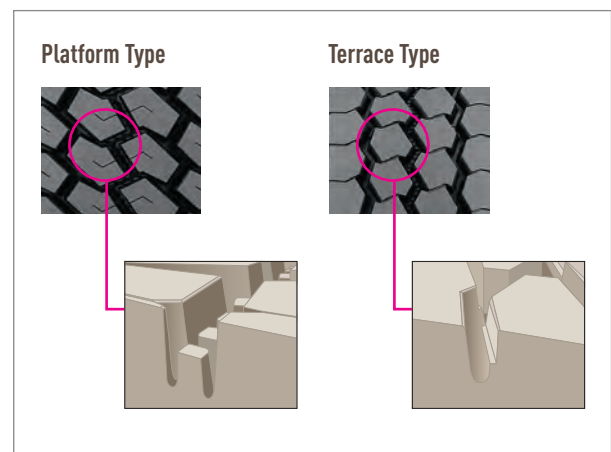
## MULTI-PITCH GROOVE AND STONE EJECTORS

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



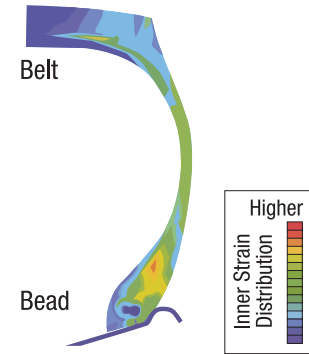
### STONE EJECTORS



## E-BALANCE

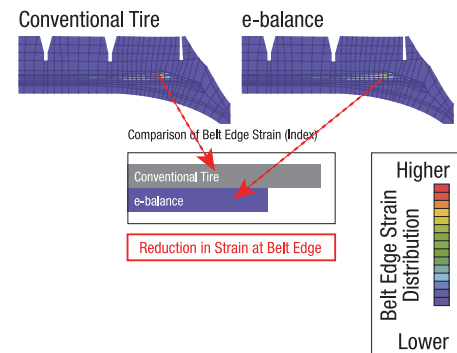


Toyo Tires e-balance technology for commercial truck tires incorporates improvements in the areas of tread profile retention, bead profile retention, and overall simulation for optimum tire design.



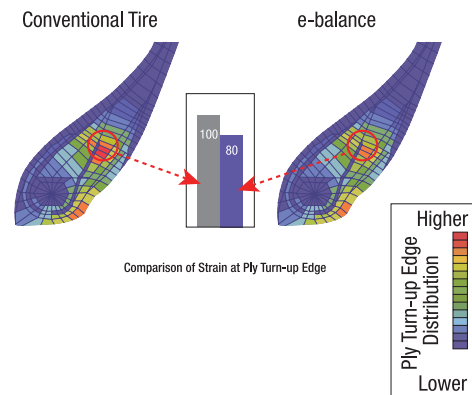
## TREAD PROFILE RETENTION

Tires that utilize e-balance exhibit improved tread profile retention, resulting in 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.



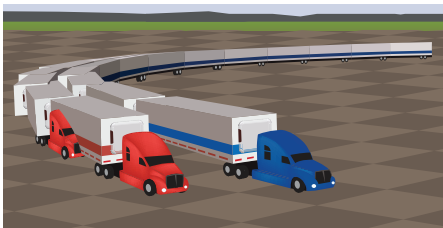
## BEAD PROFILE RETENTION

Tires that utilize e-balance have higher bead stiffness to achieve improvements in bead profile retention. This leads to a reduction in irregular wear and an improvement in endurance. The bead area profile is retained even after service. Increased bead stiffness is achieved through the use of a high-stiffness bead core, which is then surrounded by high-stiffness rubber. A low-heat buildup rubber is also used in the bead filler area. Strain at the ply turn-up edge is reduced by approximately 20% over conventional tires.



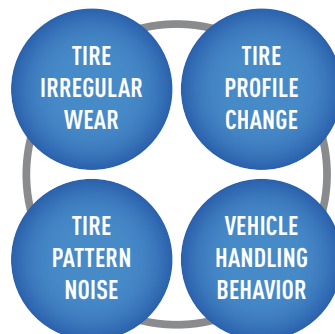
## SIMULATION

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



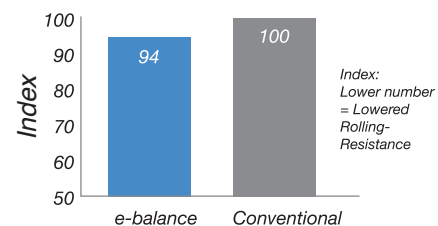
Blue Truck: e-balance / Red Truck: without e-balance.  
V:40km/h Steering Angle 90°

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



## Rolling Resistance

e-balance vs. Conventional



Test tire: 11R22.5 rib type  
Test results at 60km/h



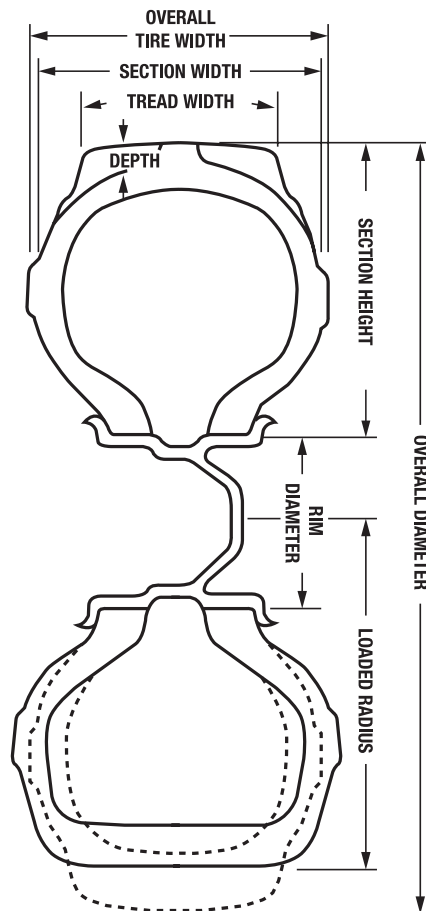
# TIRE SIZE AND DIMENSION DEFINITIONS

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

For example:

**11 R 22.5 14PR** — Ply Rating  
 — Nominal Rim Diameter (inches)  
 — Radial Construction  
 — Nominal Section Width (inches)

**295/75R22.5 14G**  
 — Load Range  
 — Ply Rating  
 — Tubeless Rim Diameter (inches)  
 — Radial Construction  
 — Aspect Ratio  
 — Nominal Section Width (millimeters)



## 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.

## COMPARISON OF DIMENSIONS

Low profile is metric. Standard is conventional.



TOYO

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# LOAD LIMITS

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:  
(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.





# SPEED SYMBOL AND LOAD INDEX

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 calculations 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.

SPEED SYMBOL

## 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 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)	-	-	-	-
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)	-	-
9R20	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)	-	-	-
10R20	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)	-	-
11R20	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)	-	-
12R20	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)	-	-
11R22	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)	-	-

\* Equivalent to Michelin 235/80R22.5

\*\* Equivalent to Michelin 255/80R22.5

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

\*\*\*\* For M144 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 Corporation for any damage or loss coming from any undetected errors or any misprint.

Tire Size	PSI		70	75	80	85	90	95	100	105	110	115	120	125	130
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)	-	-
295/80R22.5	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	8820(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)	-	-
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)	-	-



# LOAD AND INFLATION TABLES / TREAD PATTERN NAMES

## 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
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)	-	-
445/50R22.5	Single	lbs.	6570	6940	7310	7680	8030	8390	8740	9090	9370	9780	10200(L)	-	-

## LOW-PLATFORM TRAILER

Tire Size	PSI		70	75	80	85	90	95	100	105	110	115	120	125	130
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)	-

## TREAD PATTERN NAMING DESIGNATIONS

M	9	2	0	A, CR or +
Radial	Position	Sequential	Sequential	Version (If Applicable)
Position	M1XX = Steer All/Position On-Road M3XX = Steer All/Position On/Off-Road M5XX = Drive On/Off-Road M6XX = Drive On-Road M9XX = Drive Winter			
Index	M: Radial Prefix: NanoEnergy = Fuel Efficient Tire Suffix CR = Cut Resistant (Heavy Cut Chip Compound) Suffix A = new version Suffix + = new version			NanoEnergy M671A M325CR M920A M171+, M677+, M671A+



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TIRES

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SPEED RATING & LOAD INDEX

The load index and speed rating correspond to the maximum load-carrying capacity of the tire and its maximum speed capability. Replacement tires should have a load-carrying capacity and speed rating that meets or exceeds that of the original equipment (O.E.) tires.

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. The load index may not be used independent of speed rating to determine tire acceptability for load capacity. An equal or greater load index does not always correspond to equal or greater capacity at all inflation pressure settings, particularly when comparing P-metric and metric passenger car tires. Please see the Load and Inflation Table Application Guide at [toyotires.com](http://toyotires.com) for additional information.

EXAMPLES OF TIRE SIZE AND LOAD INDEX VALUE DIFFERENCES

TIRE SIZE	LOAD INDEX	Load Capacity (lbs.) at Various Inflation Pressures			
		26	29	32	35
Load capacity varies for different tire sizes with the same load index					
P205/65R15	92 (SL)	1213	1279	1334	1400
P225/55R15	92 (SL)	1224	1290	1345	1389
Load capacity varies for some tire sizes with different load index					
P205/55R16	89 (SL)	1091	1157	1213	1279
205/55R16	91 (SL)	1047	1135	1224	1312
205/55R16	94 (XL)	1003	1102	1179	1268

SPEED RATING

A speed rating is designated by a letter that indicates the maximum speed capability of a tire based on standardized laboratory tests under specific, controlled conditions. These ratings do not necessarily relate to actual tire performance on the road, but are instead intended to provide comparative performance measurements of tires with different ratings. Replacement tires should have a speed rating that is equal to or greater than that of the original equipment tires if the speed capability and handling characteristics of the vehicle are to be maintained.

SPEED RATING	SPEED (MPH)	SPEED RATING	SPEED (MPH)	SPEED RATING	SPEED (MPH)
P	93	T	118	W	168
Q	99	U	124	Y	186
R	106	H	130	(Y)	195
S	112	V	149	ZR*	OVER 149 MPH

\*Consult tire manufacturer for top speed capability.



## TIRE SPEED RATING

All Toyo Tires passenger, light truck and truck tires have a maximum speed rating based on size and type. Tires must never be operated in excess of their rated speed limit! Consult your tire dealer or contact Toyo Tires at (800) 442-8696 (Pacific Time) if you are not sure about the maximum speed rating of your tires.



**WARNING**

No tire, regardless of its design or speed rating, has an unlimited capacity for speed. Exceeding the tire's speed capability could cause overheating and sudden tire failure, possibly leading to loss of vehicle control and serious personal injury or death.

## SPEED-RATED TIRES

If the vehicle Tire Information Placard and/or the vehicle Owner's Manual specifies speed-rated tires, the replacement tires must have the same or higher speed rating to maintain vehicle speed capability.

- If a replacement tire has a lower speed capability than that specified by the vehicle manufacturer, the vehicle's speed must be restricted to that of the replacement tire. Vehicle handling could also be affected. Consult the vehicle Owner's Manual or tire manufacturer for recommendations.
- If tires with different speed ratings are used, it is recommended that the lower-speed-rated tires always be placed on the front axle. This is to prevent a potential oversteer condition.

## FOUR-WHEEL DRIVE (4WD) AND ALL-WHEEL DRIVE (AWD) VEHICLES

If no instructions for tire mixing appear in the vehicle Owner's Manual, follow these guidelines:

- Do not mix tire sizes. All four tires must be marked with the same tire size, unless otherwise specified by the vehicle manufacturer. This also applies to winter/snow tires.
- Do not mix tread pattern types such as all-terrain and all-season.

## STUDLESS WINTER/SNOW TIRES

- It is always preferable to apply winter/snow tires to all wheel positions, including dual tires, to maintain vehicle mobility and control.
- If winter/snow tires are applied to the front axle of any vehicle, winter/snow tires must also be installed on the rear axle. DO NOT apply winter/snow tires only to the front axle. This applies to all passenger and light truck vehicles, including front-wheel-drive, 4WD and AWD vehicles.
- If winter/snow tires are installed on the rear axle of any vehicle, it is recommended (but not required) that they also be installed on the front axle.



**WARNING**

Unless winter/snow tires on the rear axle have comparable traction qualities to the tires on the front axle, the vehicle may experience adverse handling characteristics. This may result in loss of vehicle control, which can lead to serious personal injury or death.

## STUDED WINTER/SNOW TIRES

- Studded winter/snow tires have higher traction qualities under most winter weather conditions.
- If studded winter/snow tires are installed on the front axle of any vehicle, studded winter/snow tires must also be installed on the rear axle. DO NOT apply studded winter/snow tires only to the front axle.
- If studded winter/snow tires are installed on the rear axle of any vehicle, it is strongly recommended that they should also be installed on the front axle. Only if studded winter/snow tires are installed on all wheel positions of a vehicle will optimum handling characteristics be achieved.

## SPEED RATING & LOAD INDEX

### WARNING

Installing only two studded winter/snow tires on the front axle of any vehicle (including front-wheel-drive vehicles) without studded winter/snow tires on the rear axle can cause adverse vehicle handling characteristics. This can result in a loss of vehicle control, which could cause serious personal injury or death.

### WINTER (SNOW TIRES)



Winter driving presents special challenges for vehicle handling. The use of winter tires, studs and chains, while improving traction performance in snow and ice, requires additional caution and care with regard to braking, cornering, and speed. It is important to drive with care not only on snow and ice, but on dry and wet roads as well.

### WARNING

Studded tires may require longer braking distances on dry or wet paved surfaces. Failure to allow for adequate braking distance could result in serious personal injury or death.

- Traction is considerably reduced as snow tires approach 50% tread wear, and replacement should be considered in order to maintain effectiveness in heavy snow conditions.
- Tire speed rating – When lower-speed-rated winter tires replace higher-speed-rated touring and high performance all-season radial tires, do not exceed the lower-rated speed.
- Follow recommendations in the vehicle Owner's Manual for winter tires, studs and chains.
- Consult your tire dealer, the U.S. Tire Manufacturers Association ([www.ustires.org](http://www.ustires.org)), or your state's Department of Transportation (DOT) for information regarding regulatory and seasonal restrictions for stud usage.
- Also see the "Tire Mixing" section in this manual for more details.
- Toyo Tires recommends that snow tires be installed in matched sets of four.

## PROPER SELECTION OF TIRES

When tires need to be replaced, don't guess what tire is right for your vehicle. First look at the vehicle Owner's Manual or the Tire Information Placard. They tell you the size of the tires that were on the vehicle as original equipment.

Replacement tires for any vehicle must be of a size, load range and load capacity (by inflation) that are capable of supporting the same load as the vehicle's originally installed (OE) tires. Avoid installing used tires on a vehicle. There is no way to determine what road hazards or abuse a previously owned tire may have incurred.

Based on consumer contact information, Toyo has noted an increasing trend on the part of some tire installers to disregard fundamental safety practices when replacing original tires on cars and light trucks.

The 'Golden Rule' for installing replacement tires on autos and light trucks:

"Replacement tires must be of a size, load range and load capacities (by inflation) that are capable of supporting the load of the vehicle's originally installed (O.E.) tires."



Failure to install tires with adequate load capacity will result in tire fatigue and sudden tire failure. This could lead to loss of vehicle control, possibly resulting in personal injury or death.

Certain vehicle performance parameters, including ride comfort and handling, may be affected by substitute tire sizes. In some cases, particularly for SUVs and light trucks, a failure to follow the vehicle manufacturer's recommendations for tire replacement could adversely affect the safe handling of the vehicle, possibly resulting in a loss of vehicle control leading, to personal injury or death.

## TIRE AND WHEEL MATCHING AND MOUNTING

Any attempt to mount a tire on a wheel with a different diameter will result in an explosion of the tire/wheel assembly that could cause severe personal injury or death. Prior to mounting any tire, always check the wheel identification stamp to verify the correct wheel diameter. Always check the tire size molded onto the sidewall. Never exceed 40 psi when seating the tire beads onto the wheel. Always stand well clear of any tire mounting operation. This is especially important when the service operator inflates the tire. If the tire has been improperly mounted, it could burst with explosive force causing serious personal injury or death. A new valve stem must be installed on the wheel each time a worn out passenger or light truck tire is replaced. Removing and replacing tires on wheels can be dangerous. Attempting to mount tires with improper tools or procedures could result in a tire explosion, causing serious personal injury or death. This is a job for your authorized Toyo Tires dealer or other qualified tire service location only.

Serious personal injury or death can result from:

- Failure to select the proper tire and wheel. The tire must match the width and diameter requirements of the wheel. When mounting truck type radial tires use only wheels approved for radial tires.
- Failure to inspect both the tire and wheel. The wheel must be free of cracks, dents, chips, and rust. The tire must be free of bead damage, cuts, and punctures.
- Failure to follow proper procedures. For proper mounting procedures, consult the U.S. Tire Manufacturers Association's publication, "Care and Service of Passenger and Light Truck Tires" (ref.: [www.ustires.org](http://www.ustires.org)).
- Exceeding the maximum bead seating pressure of 40 psi. Be absolutely certain beads are fully seated before adjusting the inflation pressure to the level recommended for vehicle operation.

Never put flammable substances in the tire/wheel assemblies at any time. Never put any flammable substance into a tire/wheel assembly and attempt to ignite it in order to seat the beads.

## NOTICE

In some cases, the vehicle manufacturer may specifically advise against replacing fewer than all four tires. Always check and follow the recommendations in the vehicle Owner's Manual. For 4WD and AWD vehicles, even small differences in outside diameter may cause drivetrain damage or mechanical malfunction.



## REPLACEMENT TIRES FOR LIGHT TRUCKS – P-METRIC VS. LT-TRUCK

Tire installers should exercise extreme caution when replacing tires on light trucks. The maximum load capacity stamped on the sidewall of a P-metric tire is reduced by a factor of 1.1 when used on a light truck, a sport utility vehicle or a trailer.



P-metric and LT-metric tires are not necessarily interchangeable. P-metric and LT-metric tires follow completely different Load/Inflation tables and are designed to carry different loads at different pressures. LT-metric tires carry their load at higher inflation pressures and do not always have adequate load capacity to replace P-metric tires of the same size. After reducing a P-metric tire's load rating by dividing by 1.1 for fitment on a Light Truck, the P-metric tire may not offer sufficient load capacity to replace an LT-metric tire of the same size. Contact your Toyo Tires dealer or Toyo Tires Technical Service for help determining how to choose a proper replacement size. Driving with underinflated or overloaded tires may result in immediate tire failure, which can cause an accident and could lead to serious personal injury or death. When a P-metric or metric tire is installed on a light truck (SUV, pickup, minivan), the load rating is reduced by dividing by 1.1.

(This load reduction factor is prescribed by Federal Motor Vehicle Safety Standards (FMVSS) and is based on the expectation that passenger-type tires may experience more severe loading and usage conditions when applied to light trucks.) For example, 305/50R20 has a maximum load capacity of 3086 lbs. If this tire is fitted to a light truck, the actual allowable load for the tire is 2805 lbs. (3086 lbs. divided by 1.1). Consult the load and inflation charts that can be found at [www.toyotires.com](http://www.toyotires.com). Contact Toyo Tires Technical Service with any tire replacement questions: (800) 442-8696 (Pacific Time)

### \*\*IF REPLACING FEWER THAN FOUR (4) TIRES\*\*

#### IMPORTANT!

In some cases, the vehicle manufacturer may specifically advise against replacing fewer than all four tires. Always check and follow the recommendations in the vehicle owner's manual. For 4WD and AWD vehicles, even small differences in outside diameter may cause drivetrain damage or mechanical malfunction.

When replacing tires on a vehicle, it is recommended and preferred that all four tires be replaced at the same time for continued optimal vehicle performance. However, for those cases where this is not feasible, below are some general guidelines to consider when replacing fewer than four tires for a light vehicle, whether it is one or two tires. If the vehicle manufacturer has alternate recommendations, always follow their recommendations.

**REPLACING TWO (2) TIRES** — When a pair of replacement tires is selected in the same size and construction as those on the vehicle, the two newer tires must be installed on the rear axle. All tires must be the same speed rating and must be of equal or higher speed rating than the tire that came as original equipment on the vehicle. New tires with deeper tread will provide better grip and evacuate water more effectively, which is important as a driver approaches (wet) hydroplaning situations. Placing greater traction on the rear axle on wet surfaces is necessary to prevent a possible oversteer condition and loss of vehicle stability and control.

**REPLACING ONE (1) TIRE** — Replacing a single tire on a vehicle can have an adverse effect on suspension systems, gear ratios, transmission and tire treadwear. If single-tire replacement is unavoidable, it is recommended that the single new tire be paired with the tire that has the deepest tread depth and both be placed on the rear axle. Placing greater traction on the rear axle on wet surfaces is necessary to prevent a possible oversteer condition and loss of vehicle stability and control.

# CONTACT INFORMATION



CONTACT INFORMATION

## CUSTOMER SERVICE CENTER

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### Office Hours

Monday through Friday

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## CORPORATE OFFICE

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