



WWW.TORNADOTIRE.COM

TRUCK TIRE CATALOGUE





ABOUT US

Making Your Safety Our Priority Since 1958

Established in 1958, GTC (Guizhou Tyre Co., Ltd) is one of the leading tire manufacturers, the home of TORNADO brand with production oases in China and Vietnam.

GTC relies on the strong R&D strength and focuses on new Industrialization and continuously drives the Internationalized, Intelligent, green and high-quality development.

GTC has a complete product specifications and models and the products have been popularly sold to 130 + countries and regions.

The company's products have been authenticated by ISO9001 quality system certificate, ISO/TS 16949 quality system certificate, 3C, DOT, E-MARK, GCC, SNI, Bis and INME IKO certificates.



NO.1

Leading Specialty Tire and
TBR Manufacturer in China



30

Ranked #30 worldwide in
Top Tire Manufacturers in
2023 China

WHY CHOOSE TORNADO

■ One-stop Business Solutions Provider

4 major categories
9 subcategories
3000+ SKUs

■ Value Solutions Provider

The quality of the product is between tier 1&2, the price of the product is between tier 3&4

■ Technical Solutions Provider

≥3% R&D investment annually
1 national tire technology R&D center and a postdoctoral workstation
30+ FE support in the field
1000+ R&D personnel undertaking high-quality products and technologies

■ Market Oriented & Best Customer Experience

Issuing PI: in 48h after getting the orders
Leading time: 30-45 working days
Claim: reply in 7 working days
Warranty: 8 years from DOT

■ Intelligent Manufacturing

5G and AI built smart and lean production management processes.
Achieving intelligent manufacturing is our pursuit and strategy.

■ Sustainability

We are committed to reaching all **carbon neutral** and **social responsibility** goals.

■ Global Localized

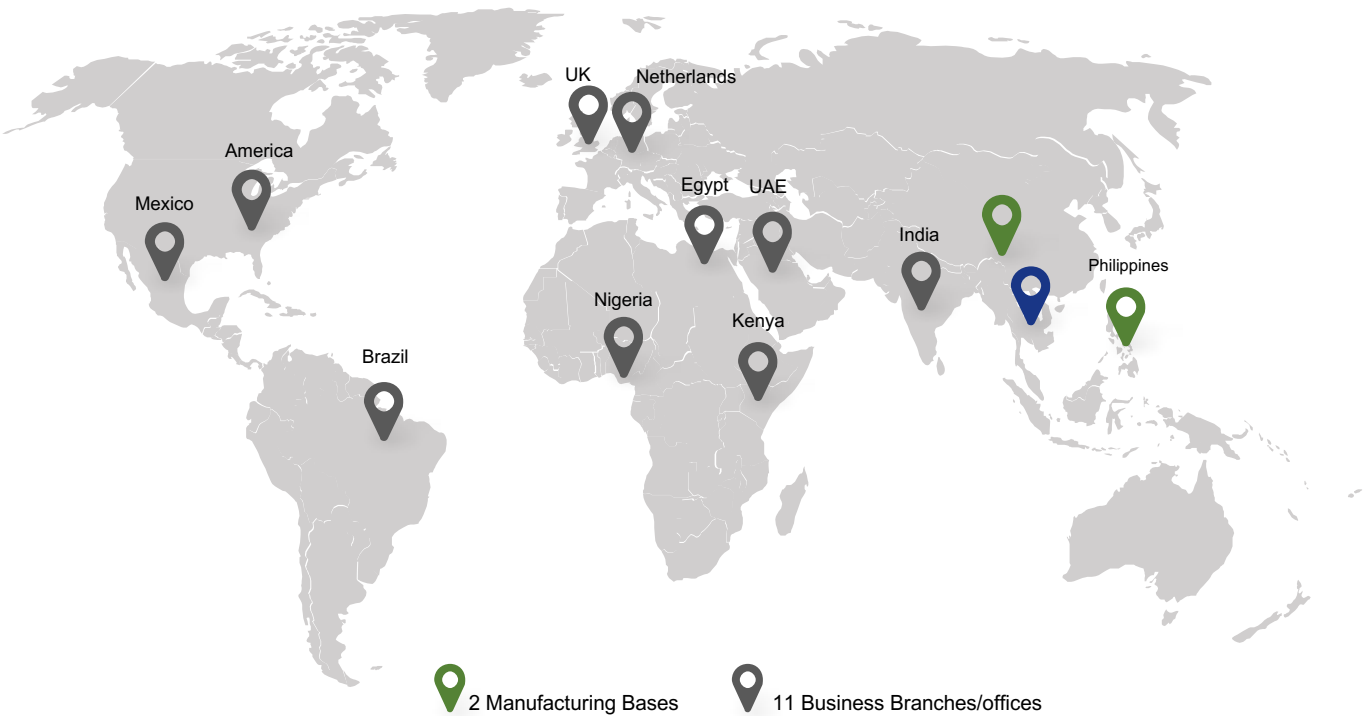
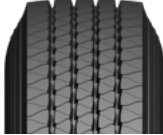
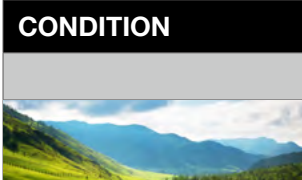
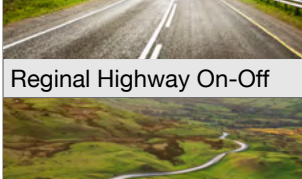


TABLE OF CONTENTS

CONDITION		STEER POSITION	
	Premium Patterns	First Generation Patterns	
	 TLS305X 10	 TLS352 1	
Long Haul			
CONDITION		ALL POSITION	
	Premium Patterns	First Generation Patterns	
	 TCA354X 14	 TMA316X 15	
Regional Highway On-Off			
		 TRA314 16	 TRA345 17
Mid/Long Haul Highway		 TRA350 18	 TLA338 20
	 TRA361X 22	 TRA348 21	 TRA347 24
Regional Highway			
		 TRA318 25	 TRA302 26
Heavy-Duty Truck			

ALL POSITION		
CONDITION	Premium Patterns	First Generation Patterns
		 TRA380 27 TRA310 28  TRA356 30  TMA333 31 TRA311 32
Mid/Short Haul Mixed Road		
DRIVE POSITION		
CONDITION	Premium Patterns	First Generation Patterns
	 TWD329X 36	
All Season		
	  TCD341X 37 TCD321X 38	
Reginal Highway On-Off		
	  TRD353X 39 TRD339X 40	  TRD389 41 TRD363 42
Regional		
	 TLD386X 43	
Long Haul		

DRIVE POSITION		
CONDITION	Premium Patterns	First Generation Patterns
		  TRD307 44 TLD323 45
Mid/Long Haul Highway		
		  TRD331 46 TRD304 47
Mixed Road		
		 TRD334 48
Mid/Short Haul Mixed Road		
		 TMD309 49
Mixed Road		
		 TRD313 50
Mid/Short Haul Mixed Road		
TRAILER POSITION		
CONDITION	Premium Patterns	First Generation Patterns
	  TRT315X 54 TRT308X 55	  TRT346 56 TRT332 57
Reginal Highway On-Off		
		  TLT327 58 TLT317 59
Mid/Long Haul Highway		
		 TRT312 61
On/Off Road		



STEER POSITION

Long Haul

TLS305X -10

TLS352 - 11



TLS305X



Long Haul

- Our most advanced compounding for fuel efficiency and tread durability
- Enhanced siping provides superior traction throughout tread life
- Upgraded tread groove design helps maintain integrity as the tread wears, providing water evacuation throughout life
- Enhanced siping design to help reduce irregular wear, maximizing usable tread life

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.50	100	6175/5840	8.25	18.3
11R22.5	16	146/143	L	TL	11.00	41.50	120	6610/6005	8.25	18.3
11R24.5	16	149/146	L	TL	11.00	43.40	120	7160/6610	8.25	18.3
275/80R22.5	14	147/144	M	TL	10.90	39.80	110	6175/5675	8.25	18.3
275/80R22.5	16	149/146	L	TL	10.90	39.80	120	7160/6610	8.25	18.3
285/75R24.5	16	147/144	L	TL	11.10	41.30	120	6780/6175	8.25	18.3
295/75R22.5	14	144/141	L	TL	11.60	39.90	110	6175/5675	9.00	18.3
295/75R22.5	16	146/143	L	TL	11.60	39.90	120	6610/6005	9.00	18.3

TLS352



Long Haul

- Premium 19/32nds long haul highway steer tire with decoupler groove to help resist irregular wear for an even footprint.
- Technologically Advanced tread compound for low rolling resistance and improved fuel economy.
- Enhanced bead and belt package for increased tire performance and multiple retreads.
- Mid/Long Haul Highway Service

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.50	105	6175/5840	8.25	18.9
11R22.5	16	146/143	M	TL	11.00	41.50	120	6610/6005	8.25	18.9
11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	18.9
295/75R22.5	14	144/141	M	TL	11.14	41.34	110	6175/5675	8.25	18.9
295/75R22.5	16	147/144	L	TL	11.14	41.34	120	6780/6175	8.25	18.9
285/75R24.5	14	144/141	M	TL	11.73	39.92	110	6175/5675	9.00	18.9
285/75R24.5	16	146/143	L	TL	11.73	39.92	120	6610/6005	9.00	18.9

TORNADO



ALL POSITION

Reginal Highway On-Off

TCA354X - 14 TMA316X - 15

Mid/Long Haul Highway

TRA314- 16 TRA350 18
TRA345 - 17 TLA338 - 20

Regional Highway

TRA348 - 21 TRA347 - 24
TRA361X- 22

Heavy-Duty Truck

TRA318 - 25 TRA302 - 26

Mid/Short Haul Mixed Road

TRA380 - 27 TRA356- 29 TRA311 - 31
TRA310- 28 TMA333- 30

TCA354X



Reginal Highway On-Off

- Built with durability and extended life, the TCA354X delivers. With a variety of wide base on- and off-highway applications, this tire is ideal for concrete mixers, dump trucks and waste/sanitation trucks.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.50	100	6175/5840	8.25	23.9
11R22.5	16	146/143	L	TL	11.00	41.50	120	6610/6005	8.25	23.9
11R24.5	16	149/146	L	TL	11.00	43.50	120	7160/6610	8.25	23.9
13R22.5	20	156/150	k	TL	12.6	44.3	125	8820/7390	9.75	21.4
255/70R22.5	16	140/137	M	TL	10.00	36.60	120	5510/5070	7.50	21.4
275/70R22.5	18	148/145	M	TL	10.87	37.72	130	6940/6400	8.25	22.0
295/80R22.5	18	152/148	K	TL	11.7	41.1	125	7830/6940	9.00	20.8
315/80R22.5	20	156/150	K	TL	12.3	42.4	125	8820/7390	9.00	20.2

TMA316X



Reginal Highway On-Off

- The tire features a large block pattern design for excellent traction performance.
- The high-end contour design ensures even ground pressure distribution, resulting in high wear mileage.
- With a new formula design, the tire exhibits superior resistance to cutting and tearing.
- The optimized distribution of bead materials enhances the durability of the tire’s bead.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	G	TL	11.00	41.93	120	6610/6005	8.25	31.9
11R24.5	16	149/146	G	TL	11.00	43.94	120	7160/6610	8.25	31.9
315/80R22.5	22	158/156	G	TL	12.28	42.36	130	9370/8820	9.00	29.6

TRA314



Mid/Long Haul Highway

- Optimized belt structure strengthens the rigidity and flex at crown area which can guarantee the uniform wear.
- Four “Z” circumferential grooves at center make tire have excellent handling property.
- Completely new concept of tread compound designing guarantees excellent abrasion property.
- Lateral small grooves at the pattern of both sides can strengthen traction on wet road surface.
- Reasonable pattern shape designing and contact shape can guarantee the uniform wear.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
9R22.5	14	136/134	M	TL	9.02	38.35	120	4940/4675	6.75	17.6
10R22.5	14	141/139	M	TL	10.00	40.16	115	5675/5355	7.50	18.3

TRA345



Mid/Long Haul Highway

- Low rolling resistance designing makes the fuel consumption of the vehicle significantly decrease and the cost of the truckload effectively decrease.
- Optimized shoulder profile designing improves tire’s heat dispersion and increases crown durability.
- Completely new crown designing largely strengthens tire puncture resistance and effectively improves safety.
- Optimized groove designing guarantees tire wet grip performance.
- Mid/Long Haul Highway Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	17.5
295/80R22.5	18	152/148	M	TL	11.73	41.10	125	7830/6940	9.00	18.6
315/70R22.5	18	154/150	L	TL	12.28	39.92	130	8270/7390	9.00	18.6
315/80R22.5	18	154/151	M	TL	12.28	42.36	120	8270/7390	9.00	19.3

TRA350

Mid/Long Haul Highway

- Dual compound tread with heat resistant material ensures suitability for long distance hauling.
- Specialized bead toe designed for improved durability.
- Mid/Long Haul Highway Service.



	Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
	10.00R20	18	149/146	J	TT	10.83	41.42	135	7160/6610	7.50	19.5
	10R17.5	16	139/137	K	TL	10.00	33.60	125	5355/5070	7.50	16.4
	11.00R20	18	152/149	J	TT	11.54	42.72	135	7830/7160	8.00	20.2
	11R22.5	14	144/142	M	TL	11.00	41.34	105	6175/5840	8.25	18.9
	11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	18.9
	11R24.5	14	146/143	M	TL	10.98	43.46	105	6610/6005	8.25	18.9
	11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	18.9
	215/75R17.5	16	135/133	L	TL	8.35	30.20	125	4805/4540	6.00	15.1
	225/70R19.5	14	128/126	N	TL	8.90	31.93	100	3970/3750	6.75	16.4
	235/75R17.5	16	143/141	L	TL	9.17	31.38	125	6005/5675	6.75	16.4
	245/70R19.5	16	136/134	M	TL	9.76	33.03	120	4940/4675	7.50	17.6
	255/70R22.5	16	140/137	M	TL	10.04	36.61	115	5510/5070	7.50	17.6
	265/70R19.5	16	140/138	M	TL	10.31	34.13	110	5510/5205	7.50	16.4
	275/70R22.5	16	144/141	M	TL	10.87	37.72	120	6175/5675	8.25	18.9
	275/70R22.5	18	148/145	M	TL	10.87	37.72	130	6940/6400	8.25	18.9
	275/80R22.5	16	147/144	M	TL	10.87	39.84	120	6780/6175	8.25	18.9
	295/75R22.5	14	144/141	M	TL	11.73	39.92	110	6175/5675	9.00	18.9
	295/75R22.5	16	146/143	L	TL	11.73	39.92	120	6610/6005	9.00	18.9
	ST215/75R17.5	16	135/133	L	TL	8.35	30.20	125	4805/4540	6.00	15.1
	ST225/90R16	14	129/124	L	TL	8.46	31.69	120	4080/3520	6.00	17.6
	ST235/75R17.5	16	143/141	L	TL	9.17	31.38	125	6005/5675	6.75	16.4
	ST265/70R19.5	16	140/138	M	TL	10.31	34.13	110	5510/5205	7.50	16.4

TLA338



Mid/Long Haul Highway

- Unique tread pattern with straight grooves.
- Mid/Long Haul Highway Service.
- S shaped siping allows for excellent stability.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
295/80R22.5	16	150/147	M	TL	11.73	41.10	115	7390/6780	9.00	19.5
295/80R22.5	18	152/148	M	TL	11.73	41.10	125	7830/6940	9.00	19.5
315/80R22.5	18	154/151	M	TL	12.28	42.36	120	8270/7610	9.00	20.8
315/80R22.5	20	156/150	L	TL	12.28	42.36	125	8820/7390	9.00	20.8

TRA348



Regional Highway

- Beefy, buttressed shoulders help resist tearing and accelerated wear in high scrub applications.
- Extra strong sidewalls to help protect against most impacts and abrasions for long casing life.
- Tapered grooves help deliver additional defense against stone drilling.
- High scrub compound (chip and cut resistant) makes the TRA348 our longest wear regional steer tire.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
10R22.5	16	144/142	L	TL	10.00	40.16	130	6175/5840	7.5	19.5
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	22.7
11R24.5	16	149/146	L	TL	10.90	43.46	120	7160/6610	9	22.7
275/80R22.5	16	147/144	M	TL	10.90	39.84	120	6780/6175	8.25	22.7
285/75R24.5	16	147/144	L	TL	11.10	41.34	120	6780/6175	8.25	22.7

TRA361X

Regional Highway

- Designed to stand up to the high scrub conditions of life in the city, the TRA361X is an all-position workhorse offering premium performance and durable construction for the most demanding applications.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.50	100	6175/5840	8.25	21.4
11R22.5	16	146/143	L	TL	11.00	41.50	120	6610/6005	8.25	21.4
11R24.5	16	149/146	L	TL	11.00	43.50	120	7160/6610	8.25	21.4
215/75R17.5	12	126/124	M	TL	8.35	30.20	100	3750/3520	6.00	16.0
215/75R17.5	16	135/133	J	TL	8.35	30.20	125	4805/4540	6.00	16.0
225/70R19.5	14	128/126	L	TL	8.90	31.93	110	3970/3750	6.75	17.6
235/75R17.5	14	132/130	M	TL	9.17	31.38	110	4400/4180	6.75	17.4
235/75R17.5	16	143/141	J	TL	9.17	31.38	125	6005/5675	6.75	17.4



Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
245/70R17.5	16	136/134	M	TL	9.76	31.06	125	4940/4675	7.5	15.7
245/70R17.5	18	143/141	J	TL	9.76	31.06	127	6005/5675	7.5	15.7
245/70R19.5	16	136/134	M	TL	9.76	33.03	120	4940/4675	7.5	17.6
255/70R22.5	16	140/137	M	TL	10.00	36.60	120	5510/5070	7.50	21.4
265/70R19.5	16	140/138	M	TL	10.31	34.13	110	5510/5205	7.50	15.1
275/70R22.5	18	148/145	M	TL	10.87	37.72	130	6940/6400	8.25	18.9
275/80R22.5	14	144/141	L	TL	10.90	39.80	110	6175/5675	8.25	21.4
275/80R22.5	16	149/146	L	TL	10.90	39.80	120	7160/6610	8.25	21.4
285/70R19.5	16	146/144	L	TL	11.14	35.24	130	6610/6175	8.25	15.7
285/70R19.5	18	150/148	J	TL	11.14	35.24	130	7390/6940	8.25	15.7
285/75R24.5	16	147/144	L	TL	11.10	41.30	120	6780/6175	8.25	18.3
295/60R22.5	18	150/147	K	TL	11.50	36.46	130	7390/6780	9.00	17.6
295/75R22.5	14	144/141	L	TL	11.60	39.90	110	6175/5675	9.00	21.4
295/75R22.5	16	146/143	L	TL	11.60	39.90	120	6610/6005	9.00	21.4
295/80R22.5	18	152/148	M	TL	11.73	41.10	125	7830/6940	9.00	19.5
295/80R22.5	20	154/149	M	TL	11.73	41.10	130	8270/7160	9.00	19.5
315/60R22.5	20	154/150	L	TL	12.32	37.40	130	8270/7390	9.75	18.3
315/70R22.5	20	156/150	L	TL	12.28	39.92	125	8820/7390	9.00	18.3
315/80R22.5	20	156/150	L	TL	12.28	42.36	125	8820/7390	9.00	20.2

TRA347



Regional Highway

- Specialized tread compound designed for excellent wear at highway speeds.
- Tread pattern provides for superior drainage and slip resistance.
- Fine grooves ensure regular wear and improve stability.
- Mid/Long Haul Highway Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
385/55R22.5	20	160	K	TL	15.20	39.21	130	9920	12.25	18.3
385/65R22.5	24	164	k	TL	15.20	42.20	130	11000	11.75	19.3
425/65R22.5	20	165	K	TL	16.93	44.25	120	11400	12.25	20.8

TRA318



Heavy-Duty Truck

- Unique corner design of the groove can avoid irregular wear .
- Unique groove bottom makes tire good self- clean property, which can effectively protect crown.
- Larger lateral groove at shoulder area guarantees tire better traction and grip.
- Optimized belt structure designing strengthens the rigidity and flflex at crown, Designed for uniform wear.
- Mid/Long Haul Highway Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
12.00R24	20	160/157	K	TL/TT	12.72	47.87	130	9920/9090	8.50	20.2

TRA302

Heavy-Duty Truck



- It is designed for exceptional off-road traction such as mining applications .
- Unique groove design for higher self-cleaning ability.
- Deep tread prolongs service life for tire.
- Superior stability and resistance when running on mining road.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	G	TL	11.00	41.34	120	6610/6005	8.25	29.6
11R24.5	16	149/146	G	TL	10.98	43.46	120	7160/6610	8.25	29.0
12.00R20	22	158/155	F	TTF	12.32	44.17	120	9370/8550	8.50	31.5
12.00R24	★★★	164/162	G	TL	12.72	49.45	130	11000/10500	8.50	39.1

TRA380

Mid/Short Haul Mixed Road



- Aggressive on/off road, all position radial.
- Designed for the extra traction with cut and chip resistant compound.
- Short/Mid Haul Mixed Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	19.3
11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	19.3

TRA310



Mid/Short Haul Mixed Road

- Deeper tread makes tire longer service life.
- Special pattern designing makes tire stronger traction.
- Lateral groove at shoulder area, which can strengthen heat dispersion, has higher durability.
- Completely new tread compound makes wear and tear resistance reach the optimum compromise.
- On & Off Road ALL-position Radial.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
13R22.5	18	154/150	K	TL	12.60	44.25	125	8270/7390	9.75	22.0
13R22.5	20	156/150	K	TL	12.60	44.25	130	8820/7390	9.75	22.0
315/80R22.5	20	157/154	L	TL	12.28	42.36	130	9090/8270	9.00	22.7

TRA356



Mid/Short Haul Mixed Road

- Rugged 4-rib design delivers outstanding off-road and wet traction.
- Designed with special tear resistant compound.
- Shoulder lug grooves designed to aid in excellent traction.
- Short/Mid Haul Mixed Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	20.2
11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	20.8
255/70R22.5	16	140/137	M	TL	10.04	36.61	120	5510/5070	7.5	18.3
ST225/90R16	14	129/124	L	TL	8.46	31.69	120	4080/3520	6	13.9

TMA333



Mid/Short Haul Mixed Road

- Robust open shoulder provides outstanding traction and self-cleaning ability.
- Continuous center block pattern guarantees a stability drive on on&off road.
- Stone rejection design reduces stone retention and maximizes casing durability.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
12.00R24	20	160/157	K	TL	12.40	48.11	130	9920/9090	8.50	23.3

TRA311



Mid/Short Haul Mixed Road

- Specialized Z shaped grooves provide for excellent traction and braking abilities.
- Compound is specifically designed to ensure tear-resistance.
- The deep-grooved tread pattern allows for long service life.
- Short/Mid Haul Mixed Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
385/65R22.5	20	160	K	TL	15.3	42.2	130	9920	11.75	23.3
425/65R22.5	20	165	K	TL	16.9	44.3	120	11400	12.25	23.3
445/65R22.5	20	169	K	TL	17.5	45.3	130	12800	13.00	23.3



DRIVE POSITION

All Season	Reginal Highway On-Off	Regional	Long-Haul	Mid/Long Haul Highway			Mixed Road	Mid/Short Haul Mixed Road
TWD329X- 36	TCD321X- 37	TRD353X- 39 TRD389 -41	TLD386X- 43	TRD307 - 44	TRD331 - 46	TRD334 - 48	TMD309 - 49	TRD313 - 50
	TCD341X - 38	TRD339X- 40 TRD363 - 42		TLD323 - 45	TRD304 - 47			

TWD329X

All Season

- Unique groove design effectively drains snow for improved grip and slip-resistance on ice and snow.
- Tread grooves and sipes improve driving safety on ice and snow.
- Unique snow tread compound maintains flexibility and normal capabilities in low temperatures.
- 3D siping make the tread blocks contact the road surface more stable and keep more contact area when the force is applied.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	L	TL	11.00	41.93	120	6610/6005	8.25	28.3
11R24.5	16	149/146	L	TL	11.00	43.94	120	7160/6610	8.25	28.3
295/75R22.5	16	146/143	L	TL	11.73	40.39	120	6610/6005	9.00	28.1



TCD321X

Reginal Highway On-Off

- Outstanding traction and excellent on/off road wear performance.
- Features a robust 4-belt layer casing for maximum retreadability.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	L	TL	11.00	41.50	120	6610/6005	8.25	27.7
11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	27.7
13R22.5	20	156/150	K	TL	12.60	44.25	125	8820/7390	9.75	26.5
285/75R24.5	16	147/144	L	TL	11.14	41.34	120	6780/6175	8.25	27.7
295/75R22.5	16	146/143	L	TL	11.73	39.92	120	6610/6005	9.00	27.7
295/80R22.5	18	152/148	K	TL	11.73	41.10	125	7830/6940	9.00	23.9
315/80R22.5	20	156/150	K	TL	12.28	42.36	125	8820/7390	9.00	27.1

TCD341X

Reginal Highway On-Off

- Outstanding traction and excellent on/off road wear performance.
- Features a robust 4-belt layer casing for maximum retreadability.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	L	TL	11.00	41.50	120	6610/6005	8.25	30.0
11R24.5	16	149/146	L	TL	11.00	43.94	120	7160/6610	8.25	30.0
225/70R19.5	14	128/126	L	TL	8.90	32.17	110	3970/3750	6.75	20.0
245/70R19.5	16	136/134	M	TL	9.76	33.27	120	4940/4675	7.5	20.0



TRD351X

Regional

- An open shoulder regional drive tire engineered for fuel efficiency, longer wear, and exceptional retreadability, the TRD353x delivers performance and value in this high demand application

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.90	100	6175/5840	8.25	27.7
11R22.5	16	146/143	L	TL	11.00	41.90	120	6610/6005	8.25	27.7
11R24.5	16	149/146	L	TL	11.00	43.90	120	7160/6610	8.25	27.7
285/75R24.5	16	147/144	L	TL	11.10	41.60	120	6780/6175	8.25	27.7
295/75R22.5	14	144/141	L	TL	11.60	40.20	110	6175/5675	9.00	27.7
295/75R22.5	16	146/143	L	TL	11.60	40.20	120	6610/6005	9.00	27.7
295/80R22.5	20	154/149	M	TL	11.73	41.10	130	8270/7160	9.00	24.6
315/70R22.5	20	156/150	L	TL	12.28	39.92	125	8820/7390	9.00	18.3
315/80R22.5	20	156/150	L	TL	12.28	42.36	125	8820/7390	9.00	25.2

TRD339X

Regional

- Excellent mileage performance.
 - Versatile multipurpose drive tire suitable for a wide range of conditions.
- Excellent traction.
 - High resistance to irregular wear.
 - Excellent durability and retreadability.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
215/75R17.5	16	135/133	J	TL	8.35	30.20	125	4805/4540	6.00	18.9
225/70R19.5	14	128/126	L	TL	8.90	31.93	110	3970/3750	6.75	18.9
235/75R17.5	14	132/130	M	TL	9.17	31.38	110	4400/4180	6.75	20.8
245/70R19.5	16	136/134	M	TL	9.76	33.03	120	4940/4675	7.5	19.5
265/70R19.5	16	140/138	M	TL	10.31	34.13	110	5510/5205	7.50	19.5
255/70R22.5	16	140/137	M	TL	10.00	36.60	120	5510/5070	7.50	22.7
275/70R22.5	18	148/145	M	TL	10.87	37.72	130	6940/6400	8.25	20.8
285/70R19.5	16	146/144	L	TL	11.14	35.24	130	6610/6175	8.25	19.5
295/60R22.5	18	150/147	K	TL	11.50	36.46	130	7390/6780	9.00	22.7
315/60R22.5	20	154/150	L	TL	12.32	37.40	130	8270/7390	9.75	22.4



TRD389

Regional

- Premium 28/32nds regional haul open shoulder drive tire for long mileage and even tread wear.
 - Advanced tread compound for low rolling resistance and increased fuel economy.
 - Tapered groove technology and stone ejectors to minimize stone retention and increasing casing life.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	M	TL	11.00	41.50	120	6610/6005	8.25	28.3
11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	28.3
295/75R22.5	16	147/144	L	TL	11.14	41.34	120	6780/6175	8.25	28.3
295/75R22.5	14	144/141	M	TL	11.73	39.92	110	6175/5675	9.00	28.3
285/75R24.5	16	146/143	L	TL	11.73	39.92	120	6610/6005	9.00	28.3

TRD363

Regional

- TRD363 uses the double tread structure to make tire produce less heat.
- Optimized pattern shape designing guarantees tire excellent wet grip performance.
- Wider and deeper pattern makes tire have more excellent abrasion resistance and longer service life.
- Unidirectional pattern designing and unique block designing provide excellent driving properties.
- Strong blocks provide strong traction.
- Tread rock ejectors designing provide a good self-cleaning performance.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
255/70R22.5	16	140/137	M	TL	10.04	36.85	120	5510/5070	7.5	25.8



TLD386X

Long-Haul

- A fuel-efficient drive tire that delivers even treadwear and extended service life.
- The TLD386X addresses the most important factors when choosing a long-haul drive tire.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.90	100	6175/5840	8.25	23.9
11R22.5	16	146/143	L	TL	11.00	41.90	120	6610/6005	8.25	23.9
11R24.5	14	146/143	M	TL	11.00	43.90	105	6610/6005	8.25	23.9
11R24.5	16	149/146	L	TL	11.00	43.90	120	7160/6610	8.25	23.9
275/80R22.5	14	147/144	M	TL	10.90	40.10	110	6175/5675	8.25	20.8
275/80R22.5	16	149/146	L	TL	10.90	40.10	120	7160/6610	8.25	20.8
285/75R24.5	16	147/144	L	TL	11.10	41.60	120	6780/6175	8.25	23.9
295/75R22.5	14	144/141	L	TL	11.60	40.20	110	6175/5675	9.00	23.9
295/75R22.5	16	146/143	L	TL	11.60	40.20	120	6610/6005	9.00	23.9

TRD307



Mid/Long Haul Highway

- The design purpose of the Super Single Tire is to replace the traditional dual-tire setup.
- The design of the Super Single Tire provides a larger contact area, enhances lateral stability, ensures more even tire wear, and improves product lifespan.
- Replacing the traditional dual-tire with Super Single Tires reduces the weight of the tire/wheel assembly, decreases rolling resistance, and saves energy.
- The tire tread utilizes a new compound formula and innovative belt layer technology, enhancing tread rigidity, reducing rolling resistance, optimizing ground contact distribution, and significantly improving wear performance.
- Simplifying tire replacement and maintenance processes reduces operational costs, promotes sustainable development, and offers economic and environmental benefits.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
445/50R22.5	20	161	L	TL	17.52	40.08	120	10200	14	26.5



TLD323



Mid/Long Haul Highway

- Premium closed shoulder design.
- Tread depth of up to 32/32” provide maximum traction, and long service life, lowering cost per mile.
- Mid/Long Haul Highway Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.34	105	6175/5840	8.25	32.1
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	32.1
295/75R22.5	14	146/143	M	TL	10.98	43.46	105	6610/6005	8.25	32.1
295/75R22.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	32.1
11R24.5	14	144/141	M	TL	11.14	41.34	110	6175/5675	8.25	32.1
11R24.5	16	147/144	L	TL	11.14	41.34	120	6780/6175	8.25	32.1
285/75R24.5	14	144/141	M	TL	11.73	40.98	110	6175/5675	9.00	32.1
285/75R24.5	16	146/143	L	TL	11.73	40.98	120	6610/6005	9.00	32.1

TRD331

Mid/Long Haul Highway

- Completely optimized structure and compound design improves tire cost performance ratio.
- The tread design is divided into two layers, utilizing different tread compounds to reduce tire heat generation.
- Optimized pattern shape design guarantees tire excellent wet grip performance.
- Unidirectional pattern designing and unique block designing provide excellent driving properties.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
295/80R22.5	18	152/148	M	TL	11.73	41.10	125	7830/6940	9.00	22.4
315/70R22.5	18	154/150	L	TL	12.28	39.92	130	8270/7390	9.00	22.4
315/80R22.5	18	154/150	M	TL	12.28	42.36	120	8270/7390	9.00	22.4
315/80R22.5	20	156/150	L	TL	12.28	42.36	125	8820/7390	9.00	22.4



TRD304

Mid/Long Haul Highway

- Premium open shoulder with directional tread pattern.
- Deep tread with siping allows for superior traction in varying road conditions.
- SmartWay approved.
- Low Emission Technology.
- Mid/Long Haul Highway Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.34	105	6175/5840	8.25	25.8
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	25.8
225/70R19.5	14	128/126	N	TL	8.90	31.93	100	3970/3750	6.75	21.4
245/70R19.5	16	136/134	M	TL	9.76	33.03	120	4940/4675	7.5	21.4

TRD334



Mid/Long Haul Highway

- Enhanced tread shape allows for uniformed pressure distribution.
- Optimized bead construction provides excellent load capability.
- Wider tread allows for excellent wear.
- Mid/Long Haul Highway Service

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.34	105	6175/5840	8.25	24.6
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	24.6
11R24.5	14	146/143	M	TL	10.98	43.46	105	6610/6005	8.25	24.2
11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	24.2



TMD309



Mixed road

- Premium open shoulder with directional tread pattern.
- Deep tread with siping allows for superior traction in varying road conditions.
- SmartWay approved.
- Low Emission Technology.
- Mid/Long Haul Highway Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
225/70R19.5	14	128/126	L	TL	8.9	31.9	110	3970/3750	6.75	18.9
245/70R19.5	16	136/134	M	TL	9.8	33.0	120	4940/4675	7.50	18.9
295/80R22.5	18	152/148	K	TL	11.7	41.3	130	7830/7160	9.00	25.8
315/80R22.5	20	156/150	K	TL	12.3	42.4	125	8820/7390	9.00	26.5

TRD313

Mid/Short Haul Mixed Road

- Aggressive 32/32nds tread design for the most demanding applications.
- Special compound helps resist cuts and chips.
- Stone ejectors prevent stone retention.
- Short/Mid Haul Mixed Service.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	16	146/143	G	TL	11.00	41.34	120	6610/6005	8.25	30.9
11R24.5	16	149/146	G	TL	10.98	43.46	120	7160/6610	8.25	30.9



TRAILER POSITION

Reginal Highway

TRT315X- 54 TRT346 - 56
TRT308X- 55 TRT332 - 57

Mid/Long Haul Highway

TLT327 - 58
TLT317 - 60

ON/OFF Road

TRT312 - 61



TRT315X



Regional Highway

- Features new rubber compounds to minimize heat development in the tread.
- The tread compound improves rolling resistance and fuel efficiency.
- Robust casing for longer tire life and excellent retreadability

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
215/75R17.5	16	135/133	J	TL	8.35	30.20	125	4805/4540	6.00	16.0
235/75R17.5	16	143/141	J	TL	9.17	31.38	125	6005/5675	6.75	17.4
245/70R17.5	18	143/141	J	TL	9.76	31.06	127	6005/5675	7.5	15.7
245/70R19.5	18	141/140	J	TL	9.76	33.03	125	5675/5510	7.5	17.6
265/70R19.5	18	143/141	K	TL	10.31	34.13	125	6005/5675	7.50	15.1
275/70R22.5	18	148/145	M	TL	10.87	37.72	130	6940/6400	8.25	18.9
285/70R19.5	18	150/148	J	TL	11.14	35.24	130	7390/6940	8.25	15.7

TRT308X



Mid/Short Haul Mixed Road

- Features new rubber compounds to minimize heat development in the tread.
- The tread compound improves rolling resistance and fuel efficiency.
- Robust casing for longer tire life and excellent retreadability.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
385/55R22.5	20	160	K	TL	15.20	39.21	130	9920	12.25	17.6
385/65R22.5	20	160	K	TL	15.31	42.20	130	9920	11.75	19.5



TRT336



Long Haul

- Engineered to replace duals on highway and regional trailer axle fitments.
- Advanced tread compounds offer fuel efficiency balanced with wet traction and long even wear.
- The new generation wide base tire for trailer axles that deliver exceptional weight savings and fuel efficiency in regional and long-haul applications.
- Trailer Use Only.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
385/55R19.5	20	156	J	TL	15.20	36.18	130	S8820	12.25	16.4
435/50R19.5	20	160	J	TL	17.24	36.65	130	S9920	14.00	16.0
445/45R19.5	22	160	J	TL	17.56	35.24	130	S9920	15.00	17.3
445/50R22.5	20	161	L	TL	17.52	40.08	120	10200	14	16.0
455/40R22.5	20	160	J	TL	17.83	36.85	130	9920	15.00	17.3

TRT332



Regional Highway

- Excellent compound improves tyre abrasion resistance and high speed performance.
- Four straight lines forming circumferential groove at center give tyre an excellent overall property on the trailer position.
- Unique sipes and lateral patterns improve tyre traction on wet road surfaces.
- Unique decoupling design at shoulder can effectively prevent tire from irregular wear.
- Improved rolling resistance design for increased fuel economy.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
385/55R22.5	20	160	K	TL	15.20	39.21	130	9920	12.25	18.5



TLT327

Mid/Long Haul Highway

- Specialized tread compound designed for superb with enhanced wear at highway speeds.
- Tread pattern provides for excellent drainage and slip resistance.
- SmartWay approved. Low Emission Technology.
- Mid/Long Haul Trailer Service – Trailer Use Only.
- All-Steel Casing.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
11R22.5	14	144/142	M	TL	11.00	41.34	105	6175/5840	8.25	12.0
11R22.5	16	146/143	M	TL	11.00	41.34	120	6610/6005	8.25	12.0
11R24.5	14	146/143	M	TL	10.98	43.46	105	6610/6005	8.25	12.0
11R24.5	16	149/146	L	TL	10.98	43.46	120	7160/6610	8.25	12.0
285/75R24.5	14	144/141	M	TL	11.14	41.34	110	6175/5675	8.25	12.0
285/75R24.5	16	147/144	L	TL	11.14	41.34	120	6780/6175	8.25	12.0
295/75R22.5	14	144/141	M	TL	11.73	39.92	110	6175/5675	9.00	12.0
295/75R22.5	16	146/143	L	TL	11.73	39.92	120	6610/6005	9.00	12.0
ST225/75R15	14	124/121	L	TL	8.80	28.30	110	3525/3200	6J	10.7
ST225/75R15	10	117/112	L	TL	8.80	28.30	80	2835/2470	6J	10.7
ST235/80R16	14	129/125	M	TL	9.25	31.10	105	4080/3640	6.5	11.3
ST235/85R16	14	132/127	M	TL	9.30	31.70	110	4400/3860	6.5	10.0



TLT317



Mid/Long Haul Highway

- Specialized tread compound designed for excellent wear at highway speeds.
- Tread pattern provides for superior drainage and slip resistance.
- Fine grooves ensure regular wear and improve stability.
- Mid/Long Haul Trailer Service – Trailer Use Only.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
385/65R22.5	20	160	K	TL	15.31	42.20	130	9920	11.75	19.5
425/65R22.5	20	165	K	TL	16.93	44.25	120	11400	12.25	20.8

TRT312

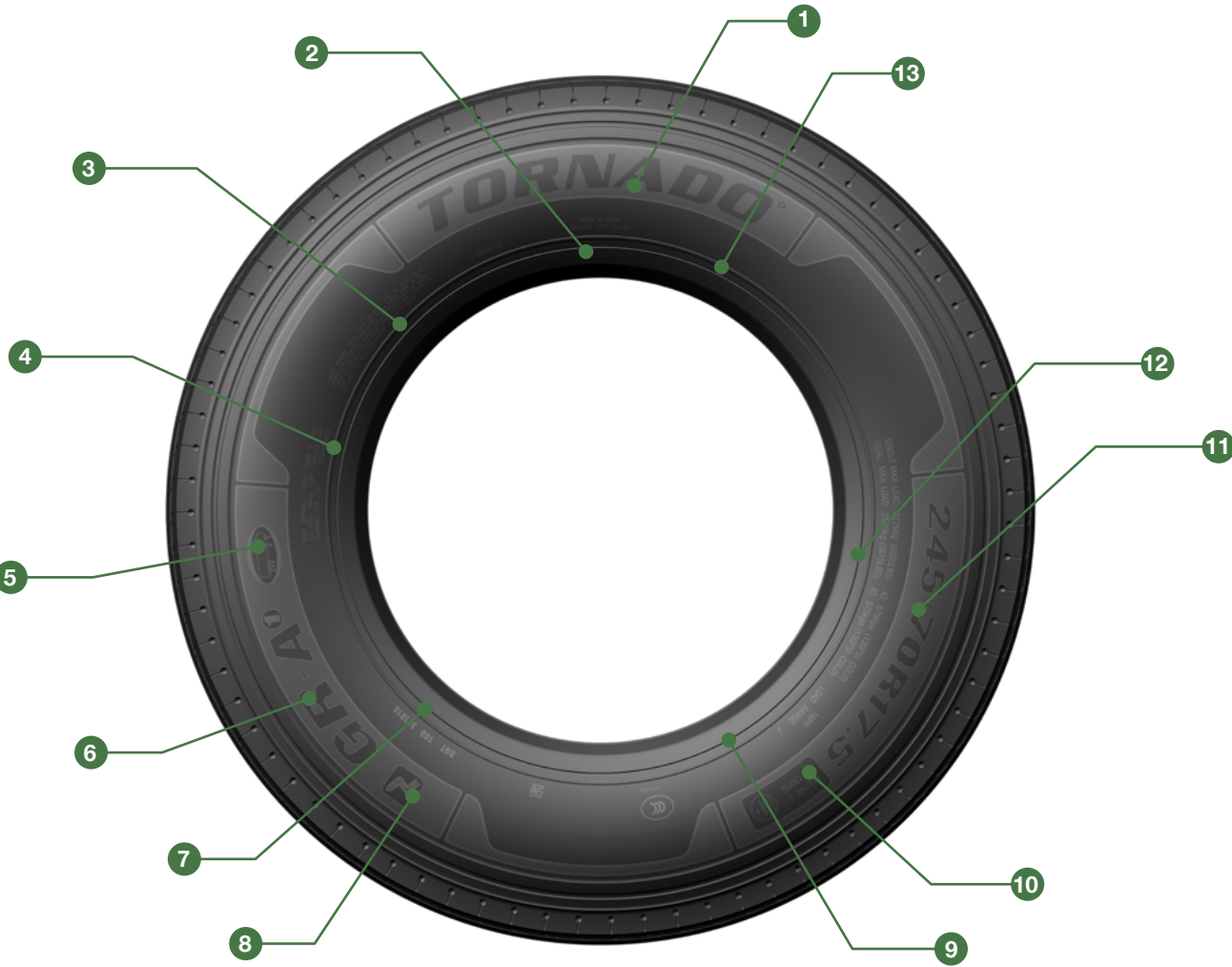


ON/OFF Road

- Open shoulder design improves tire adaptability to transportation under various mixed road conditions.
- Good heat dispersion gives tire excellent durability.
- Excellent compound makes tire super strong abrasion resistance.
- Optimized crown designing gives tire good puncture resistance.
- Strengthened carcass design gives tire longer service life and can be retreated several times.
- Trailer Use Only.

Size	Ply Rating	Load Index	Speed Symbol	Type	Section Width (in)	Overall Diam. (in.)	Infl. (PSI)	Max. Load (lb.)	Design Rim Width	Tread Depth (32n)
385/65R22.5	20	160	K	TL	15.31	42.20	130	9920	11.75	21.4
445/65R22.5	20	169	K	TL	17.48	45.28	130	12800	13	21.4

TORNADO TIRE SIDEWALL MARKS INSTRUCTION



- 1

Brand Name
- 2

Manufacturing Country
- 3

Safety Warning
- 4

Carcass Struction, Tire Type, Rim, Regroovable
- 5

Recommended Vehicle Type & Position
- 6

Pattern Name
- 7

Dot Code
- 8

Application
- 9

M+S
- 10

Load index, Speed Symbol Tire
- 11

Size
- 12

Ply rating, Load Range Blank
- 13

For Retread Tire Brand

TREAD PATTERN DESIGNATIONS

T R T 312

① ② ④ ③

① Tornado Tire Manufacturer ② Application ③ Serial Number ④ Position ⑤ Benefit

For example:

Application	1 = Long Haul Highway Service
	2 = Regional Service
	6 = On & Off Road Service
	7 = Snow Service
	8 = Urban Buses Service
	9 = Off Road Service
Position	0 = Special Service
	S = Steer
	A = All Position
	D = Drive
Benefit	T = Trailer
	X = Premium Design

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

SPEED SYMBOL		
SPEED SYMBOL	SPEED CATEGORY (KM / H)	MPH
F	80	50
G	90	55
J	100	62
K	110	68
L	120	75
M	130	81
N	140	87

TIRE MAINTENANCE&SERVICE TIPS FOR COMMERCIAL TRUCK TYRES

- Never exceed your tire’s maximum recommended speed which maybe lower than posted speed limits.
- Select the suitable tire on the basis of proper tire size, load carrying capacity, acceleration capability and service type.
- Set and maintain proper cold inflation pressure.
- Check your tires frequently for damage such as cuts, cracks, bulges and penetrations.

TIRE INSPECTION

- Every tire (including the spare tire) should be inspected prior to driving the vehicle. For example, check the tires for cuts, bruises, cracks, bulges and penetrations. If any damage is found, the tire should be inspected by an authorized Tornado Tire. The damaged tire shall be repaired as soon as possible in order to avoid further deterioration of the tire structure
- As regulated by Federal law that front-axle tires on the truck over 10,000 lbsin gross weight shall have a tread depth of at least 4/32” Tread wear indicators contained in the tread of Tornado Tire truck tire and become visible when the tread depth reaches 2/32’ in two adjacent major grooves.
- Drive and trailer tires should be replaced when the tread depth reaches 2/32” or the wear bars appear. Since 2/32” is the minimum and allowable legal tread depth on all axles except the front.
- Tires should also be inspected before being fitting to the rims. Tornado Tires steeltubed truck tires are shipped with the flap in the tire. It is essential to disassemble and check the tire thoroughly prior to mounting to insure the inside surfaces are completely dry and clean.
- Water in the casing of steel radial tire may cause tire failure. In normal operation, heat build-up inside the tire will turn water into vapor which may permeate the inner liner and enter the steel casing cord, leading to rust, deterioration possible sudden tire failure, property damage and/or personal injury.

INTERNATIONAL LOAD INDEX NUMBER								
LOAD INDEX	KGS	LBS	LOAD INDEX	KGS	LBS	LOAD INDEX	KGS	LBS
90	600	1325	117	1285	2835	144	2800	6175
91	615	1355	118	1320	2910	145	2900	6395
92	630	1390	119	1360	3000	146	3000	6610
93	650	1435	120	1400	3085	147	3075	6780
94	670	1475	121	1450	3195	148	3150	6940
95	690	1520	122	1500	3305	149	3250	7160
96	710	1565	123	1550	3415	150	3350	7390
97	730	1610	124	1600	3525	151	3450	7610
98	750	1655	125	1650	3640	152	3550	7830
99	775	1710	126	1700	3750	153	3650	8050
100	800	1765	127	1750	3860	154	3750	8270
101	825	1820	128	1800	3970	155	3875	8540
102	850	1875	129	1850	4080	156	4000	8820
103	875	1930	130	1900	4190	157	4125	9090
104	900	1985	131	1950	4300	158	4250	9370
105	925	2040	132	2000	4410	159	4375	9650
106	950	2095	133	2060	4540	160	4500	9920
107	975	2150	134	2120	4675	161	4625	10200
108	1000	2205	135	2180	4805	162	4750	10500
109	1030	2270	136	2240	4940	163	4875	10700
110	1060	2335	137	2300	5070	164	5000	11000
111	1090	2405	138	2360	5205	165	5150	11400
112	1120	2470	139	2430	5355	166	5300	11700
113	1150	2535	140	2500	5510	167	5450	12000
114	1180	2600	141	2575	5675	168	5600	12300
115	1215	2680	142	2650	5840	169	5800	12800
116	1250	2755	143	2725	6005	170	6000	13200

LIMITED WARRANTY AGAINST DEFECTS-NON-PRORATED

Lucy's Tire America Inc. shall replace an eligible tire, covered by this limited warranty that becomes unserviceable due to a defect in design, workmanship, or material during the first 50% of the original usable tread life (defined as the original tread depth minus 2/32") with a comparable new tire from Lucy's Tire Americas Inc. without charge. If a new comparable tire is not available, Lucy's Tire America Inc., shall replace it with a comparable tire marketed by Lucy's Tire America Inc. authorized distributor without charge for the tire. Fees and/or taxes associated with the mounting and balancing of the replacement tire may apply. Please see the service provider for cost details.

LIMITED WARRANTY AGAINST DEFECTS-PRORATED

Lucy's Tire America Inc. shall replace an eligible tire covered by this limited warranty that becomes unserviceable due to a defect in design, workmanship, or material after the first 50% of the original tread life on a prorated basis. The amount of the allowance is determined based on the percentage of the original "Useable Tread" remaining when the tire is presented for adjustment. The percentage allowance is applied to the purchase price of a comparable new tire from Lucy's Tire Americas Inc., or another comparable tire brand marketed by Lucy's Tire America Inc. You are responsible for paying the price of the warranty replacement tire after the appropriate warranty allowance is deducted plus the charges for the mounting and balancing as well as any applicable fees and/or taxes. The benefits of this limited warranty for defects in design, material and workmanship terminate once the Useable Tread of the tire has been exhausted or eight (8) years from date of manufacture indicated on the tire, whichever is earlier.

COMPUTING REMAINING USEFUL TREAD

The remaining "Useful Tread" of the tire is computed as a percentage of the original tire's usable tread depth. These depths vary by tire size.

The original usable tread does not include the last 2/32nd inch (1.6 millimeters) of tread depth because tires become unsafe for use and must be replaced to avoid accident or injury when the tread depth remaining is 2/32" or less. Because tires do not always wear evenly, tread depth may vary depending where on the tire's tread depth is measured. The lowest depth on the tire is used to determine the remaining tread life for purposes of warranty replacement.

WARRANTY EXCLUSIONS AND LIMITATIONS (NON-ELIGIBLE)

The exclusions and limitations on the applicability of this limited warranty with respect to defects in material, workmanship or design set forth in this section and other sections should be read carefully because they may determine whether you are entitled to a warranty replacement or a warranty replacement allowance. The limited warranty with respect to defects in material, workmanship or design provided for the tire you purchased does not apply if the tire failed because of any one of the following:

- Tires installed on a vehicle registered or normally used outside the United States.
- The tire was transferred to another vehicle after it was originally installed.
- The tire is branded as "Blemish" or "NA", or the molded DOT number has been removed or disfigured.
- The tire was repaired only with a self-vulcanizing plug, improper section repairs or in a manner that does not comply with U.S. Tire Manufacturers Association standards: tire failures caused by road hazard, potholes, or collision damage.
- Vandalism, theft, off-road use, long-term improper storage, or other abuse.
- Improper mounting procedures or applications
- Over and under inflation, overloading, or failure to maintain proper tire pressure.
- Addition of liquids, solids, or gases (other than air, nitrogen, carbon dioxide) such as sealers or balancing materials.
- Ozone or weather cracks or checking occurring four (4) years after the date of purchase or, if that proof is not available, four (4) years after the DOT serial date.
- Mechanical failures of the vehicle on which the tires were originally installed, improper alignment, or brake and shock failure of said vehicle.
- The rim on which the tire is mounted is defective or fails.
- Tires with "irregular tread wear" (which is defined as tread groove depth differences of 2/32nds of an inch or more on the same tire).

Mail Claims to:

Lucy's Tire America Inc.
12940 NW South River Drive,
Medley FL 33178

This limited TBR warranty applies to all customers in the United States of America



LIMITED RADIAL CASING RETREAD WARRANTY

The Limited Radial Casing Retread Warranty terminates after an eligible Tire has been retreaded three (3) times or eight (8) years after the manufacture date on the Tire, whichever occurs first. Lucy's Tire America Inc. will apply a radial casing warranty allowance to the purchase price of a new tire from Lucy's Tire Americas Inc. or a comparable new tire if the tire cannot be retreaded due to defects in design, workmanship, or materials prior to termination of this Limited Radial Casing Retread Warranty. The number of times the Tire has been retreaded must be clearly identified on the casing sidewall. The limited retread warranty coverage of the radial casing of the new tire, may continue beyond the end of the tire's original useful tread life. Exclusion: tires used in off-highway service (such as mining & logging) are excluded and the tires are not covered under this limited Radial Casing Retread Warranty. Lucy's Tire America Inc. will provide the following predetermined radial casing allowances for the first retread if this limited warranty applies:

NOTE: THIS WARRANTY GIVE YOU SPECIFIC RIGHTS, WHICH VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE OR HOW LONG AN IMPLIED WARRANTY MAY LAST, SO CERTAIN LIMITATIONS OR EXCLUSIONS HEREIN MAY NOT APPLY TO YOU. HOWEVER, TO THE EXTENT PERMITTED BY THE LAWS OF YOUR STATE, Lucy's Tire America Inc. DISCLAIM ALL WARRANTIES EXPRESS OR IMPLIED OTHER THAN THE WARRANTIES STATED IN THIS LIMITED WARRANTY, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE IS LIMITED IN DURATION AND EXPIRES WHEN THE TIRE'S USEABLE TREAD IS EXHAUSTED AS SPECIFIED IN THIS LIMITED WARRANTY. TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY DOES NOT COVER AND EXPRESSLY EXCLUDES ANY COVERAGE OR LIABILITY FOR PUNITIVE DAMAGES, FOR LOSS OF TIME, INCONVENIENCE, LOSS OF USE OF YOUR VEHICLE OR TIRE, LOST PROFITS, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS IS THE ONLY WARRANTY THAT APPLIES TO TIRES PURCHASED BY YOU AND SUPERSEDES AND REPLACES THE TERMS OF ANY PREVIOUS WARRANTY. THIS WARRANTY, OR ANY WARRANTY STATED OR REFERRED TO HEREIN, IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY REGARDING THE QUALITY OF TORNADO TIRES, WHETHER EXPRESSED OR IMPLIED, AND REMEDIES FOR BREACH THEREOF SHALL BE LIMITED TO THOSE SPECIFICALLY PROVIDED HEREIN.

IMPORTANT SAFETY INFORMATION

Although any tire, no matter how well constructed, may fail due to many reasons, including but not limited to, road hazards like nails, potholes, or road debris and improper installation, maintenance or service, which could create the risk of property damage and/or serious or fatal injury, in an effort to help to keep you safe, here is a non-exhaustive list of practices with which you should comply:

- Only have professionally trained personnel mount and balance tires.
- Property damage and serious or fatal injury can also result

from improper tire mounting and inflation procedures which can cause the tire beads to break with explosive force during installation of the tire on the wheel rim. This can also occur when the tire size is not properly matched to the wheel's rim. Serious injury or damage can also occur if wheel rim and tire bead is not properly lubricated prior to installation or maximum tire pressure is exceeded when seating the tire bead on the rim.

- Never drive on tires that have less than 2/32nds of an inch of tread remaining; replace tires as soon as the tread reaches the tread wear indicators molded into the tread grooves of the tire which reveal when the tread depth remaining is 2/32nds of an inch.
- Proper tire inflation is essential. Under-inflation produces flexing of sidewalls and builds up heat to the point that premature tire failure may occur. Over-inflation can cause the tire to be more susceptible to impact damage, but don't reduce pressure when tires are hot.
- Check air pressure at least monthly when tires are "cold" - a "cold" tire is one that has been stationary typically for a minimum of 2 hours or driven less than 2 miles. Use an accurate tire air pressure gauge.
- Never overload the tires. The maximum load capacity and maximum inflation pressure is molded into the sidewall of the tire. Overloading a tire will result in the buildup of excessive heat, which can lead to early tire internal damage (which may not be visible externally) which can lead to serious/dangerous tire failure.
- Inspection and the determination of the internal damage to a tire requires dismounting of the tire from the wheel and examination - all of which should be done only by a tire professional.
- Excessive speeds create heat buildup in a tire, leading to possible tire failure. "Excessive speed" is a speed that does not take into consideration the weight of the load/and or the condition of the road you are traveling on. Never travel above the legal posted limit and slow down to a proper speed accordingly.
- Properly load and distribute the weight of the load in the vehicle. Improper weight distribution can have adverse effects on the safety of the vehicle and the performance of the tires.

This limited warranty provides two separate coverage benefits: (1) a limited warranty with respect to defects in material, workmanship, or design; and (2) a limited radial casing retread warranty. The limited warranty with respect to defects in material, workmanship or design has a full replacement period (minus taxes and some associated costs) and a prorated period. You are eligible for Lucy's Tire America Inc. limited warranty benefits if you purchased the Tire on or after June 1, 2021. And, in addition, you are the original owner of this Tire, it bears the prescribed Department of Transportation (DOT) identification number, it has been continuously installed on the vehicle on which it was originally installed, and no warranty exclusion or exception applies.

Tire Size	Casing Allowance
235/85r16, 215, 235/75r17.5	\$20.00
225, 245, 265/70R19.5	\$30.00
255, 275/70r22.5	\$65.00
10r22.5	\$50.00
11r22.5, 295/75r22.5	\$70.00
12r22.5	\$70.00
11r24.5, 285/75r24.5	\$65.00
315/80r22.5	\$65.00
385/65r22.5	\$75.00
425, 445/65r22.5	\$80.00
445/50r22.5*	\$80.00

Casing value is reduced by 50% of the above values after the second retread.

**445/50r22.5 casing warranty up to the point of buff for second retread.*

DEFINITION OF A COMPARABLE TIRE

For the purposes of the limited warranty against defects in design, workmanship, and materials and the limited radial casing warranty, a "comparable" tire will be supplied if a matching new tire is out of production or is unavailable when the tire is presented for warranty replacement. In such cases, the warranty replacement tire may be substituted and will be a tire of equal price and quality. A comparable tire may also have a different sidewall or tread configuration. If the purchaser requests a higher-priced replacement tire instead, the purchaser must pay the price difference for the "upgrade" after the appropriate prorated allowance has been deducted.

WARRANTY OBLIGATION

This Limited Warranty is the entire warranty given by - Lucy's Tire America Inc. - The complete obligations are set forth herein. No one has the authority to imply, suggest, agree, represent, warranty, or promise anything contrary to the terms of this Limited Warranty.

OWNERS OBLIGATIONS

To make a claim under this Limited Warranty, you must present the warranted tire to an authorized Lucy's Tire America Inc. dealer for adjustment along with the following items: proof of purchase showing that you purchased the tire and the vehicle on which the tire was originally installed. The original invoice when you purchased the Tire should contain this information. You are responsible for payment for any extra products, services, or upgrades, including any fees and taxes related thereto, that you request that are not covered by the Limited Warranty.



Lucy's Tire Inc.

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