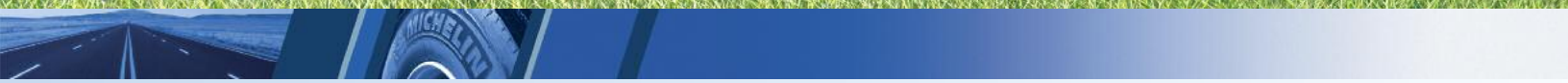


MICHELIN® Truck Tire Data Book

June 2015



If you require information for MICHELIN® products not listed in this data book, please contact your Michelin representative or your Michelin dealer.

Load and inflation industry standards are in a constant state of change. Michelin continually updates its product information to reflect these changes. Therefore, printed material may not reflect the current load and inflation information. Always refer to the tire sidewall markings for maximum load and pressure information.

Never exceed the wheel manufacturer's maximum pressure limitation.

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Mounting and Safety Instructions



General Instructions



PART 1: SAFETY – MOUNTING THE TIRE

IMPORTANT: BE SURE TO READ THIS SAFETY INFORMATION.

Make sure that everyone who services tires or vehicles in your operation has read and understands these warnings. **SERIOUS INJURY OR DEATH CAN RESULT FROM FAILURE TO FOLLOW SAFETY WARNINGS.**

No matter how well any tire is constructed, punctures, impact damage, improper inflation, improper maintenance, or service factors may cause tire failure creating a risk of property damage and serious or fatal injury. Truck operators should examine their tires frequently for snags, bulges, excessive treadwear, separations, or cuts. If such conditions appear, demount the tire and see a truck tire dealer immediately.

The US Department of Labor Occupational Safety and Health Administration (OSHA) provides regulations and publications for safe operating procedures in the servicing

of wheels. Please refer to OSHA Standard 29 CFR Part 1910.177 (Servicing Multi-Piece and Single Piece Rim Wheels). This can be found in the Section Nine, Appendix (Pages 136-138) of the MICHELIN® Truck Tire Service Manual at www.michelintruck.com/toolbox/reference-material.jsp

Specifically, note that the employer shall provide a program to train all employees who service wheels in the hazards involved in servicing those wheels and the safety procedures to be followed. The employer shall ensure that no employee services any wheel unless the employee has been trained and instructed in correct procedures of servicing the type of wheel being serviced, and shall establish safe operating procedures for such service.

Michelin provides the following information to further assist employers to comply with that initiative.



Tire and wheel servicing can be dangerous and must be done only by trained personnel using proper tools and procedures. Failure to read and comply with all procedures may result in serious injury or death to you or others.

Re-inflation of any type of tire and wheel assembly that has been operated in a run-flat or underinflated condition (80% or less of recommended operating pressure) can result in serious injury or death. The tire may be damaged on the inside and can explode during inflation. The wheel parts may be worn, damaged, or dislodged and can explosively separate. Refer to RMA Tire Information Service Bulletin on potential “zipper ruptures” – TISB Volume 33, Number 3 (December 2007).

RMA (Rubber Manufacturers Association) recommends that any tire suspected of having been run underinflated and/or overloaded must remain in the safety cage, be inflated to 20 psi OVER maximum pressure marked on the sidewall, and then be inspected. Do not exceed the maximum inflation pressure for the wheel.

Be sure to reduce pressure to regular operating pressure before placing back in service if the tire has been deemed serviceable.

Use of starting fluid, ether, gasoline, or any other flammable material to lubricate, seal, or seat the beads of a tubeless tire can cause the tire to explode or can cause the explosive separation of the tire and wheel assembly resulting in serious injury or death. The use of any flammable material during tire servicing is absolutely prohibited.

Any inflated tire mounted on a wheel contains explosive energy. The use of damaged, mismatched, or improperly assembled tire and wheel parts can cause the assembly to burst apart with explosive force. If you are struck by an exploding tire, wheel part, or the blast, you can be seriously injured or killed.

Re-assembly and inflation of mismatched wheel parts can result in serious injury or death. Just because parts fit together does not mean they belong together. Check for proper matching of all wheel parts before putting any parts together.

Mismatching tire and wheel components is dangerous. A mismatched tire and wheel assembly may explode and can result in serious injury or death. This warning applies to any combination of mismatched components and wheel combinations. Never assemble a tire and wheel unless you have positively identified and correctly matched the parts.

ZIPPER RUPTURES

A fatigue-related damage, with or without a rupture, occurs in the sidewall flex area of steel radial light and medium truck tires when it is subjected to excessive flexing or heat. This zipper rupture is a spontaneous burst of compressed gas, and the resulting rupture can range in length anywhere from 12 inches to 3 feet circumferentially around the tire. This is caused by the damage and weakening of the radial steel cables as a result of run-flat, underinflation, or overload. Eventually, the pressure becomes too great for the weakened cables to hold, and the area ruptures with tremendous force.

The RMA (Rubber Manufacturers Association) states that permanent tire damage due to underinflation and/or overloading cannot always be detected. Any tire known or suspected of having been run at less than 80% of normal recommended operating pressure and/or overloaded, could possibly have permanent structural damage (steel cord fatigue).

The RMA has issued a revised Tire Industry Service Bulletin for procedures to address zipper ruptures in certain commercial vehicle tires. The purpose of the bulletin is to describe the inspection procedures for identifying potential sidewall circumferential ruptures (also known as “zipper ruptures”) on truck/bus tires and light-truck tires of steel cord radial construction. Zipper ruptures can be extremely hazardous to tire repair

technicians. Careful adherence to proper repair procedures is crucial.

For more information contact RMA at info@rma.org or visit www.rma.org.

TIRE INSPECTION

Tire inspection should always include a thorough inspection of both sidewalls and inner liner, as this may reveal any potential damage condition that would cause the tire to become scrap. Examine the inner liner for creases, wrinkling, discoloration, or insufficient repairs, and examine the exterior for signs of bumps or undulations, as well as broken cords, any of which could be potential out of service causes. Proper OSHA regulations must be followed when putting any tire and wheel back in service. After the tire has been inflated to 20 psi in a safety cage, it should undergo another sidewall inspection for distortions, undulations, or popping noises indicating a breaking of the steel cords. If this is the case, immediately fully deflate and scrap the tire. If no damage is detected, continue to inflate to the maximum pressure marked on the sidewall. Do not exceed the maximum inflation pressure for the wheel. Any tire suspected of having been run underinflated and/or overloaded must remain in the safety cage, be inflated to 20 psi OVER maximum pressure marked on the sidewall, and then be inspected.

PART 2: MOUNTING AND DEMOUNTING TUBELESS TIRES

In order for a tire to perform properly, it must be mounted on the correct size wheel. The following are general instructions for mounting and demounting MICHELIN® tubeless tires, including the MICHELIN® X ONE® tires.

Specifics for 19.5" wheels are detailed in the Mounting Tubeless Tire section (Page 5). For additional detailed instructions on mounting and demounting truck tires on particular types of wheels, refer to the instructions of the wheel manufacturer or the RMA wall charts.

TUBELESS TIRE MOUNTING/DEMOUNTING USING A MOUNTING MACHINE

There are several tire changing machines available for the mount and demount procedure. Consult the manufacturer's user manual for the machine you are using as each operates differently. Full lubrication of the wheel and beads is still required. Inflation process requirements remain the same.

DIRECTIONAL TIRES

Truck tires featuring directional tread designs have arrows molded into the shoulder/edge of the outer ribs to indicate the intended direction of tire rotation. It is important, to maximize tire performance, that directional tires be mounted correctly on wheels to ensure that the directionality is respected when mounted on the vehicle.

For example, when mounting directional drive tires on a set of 8 wheels, use the drop centers as a reference. Four tires should be mounted with the arrows pointing to the left of the technician and four tires with the arrows pointing to the right. This ensures that when the assemblies are fitted onto the vehicle that all tires can be pointed in the desired direction of rotation.

Directional steer tires should be mounted in a similar fashion, one each direction, to ensure both are pointed forward.

Once directional tires are worn greater than 50%, there is generally no negative effect of running them in a direction opposite to the indicated direction of rotation.

Operating directional tires from new to 50% worn in the opposite direction of that indicated on the tire will result in the premature onset of irregular wear, excessive noise levels, and significantly reduced tread life.

1. SELECTION OF PROPER COMPONENTS AND MATERIALS

- All tires must be mounted on the proper wheel as indicated in the specification tables. For complete tire specifications, refer to application specific data books.
- Make certain that wheel is proper for the tire dimension.**
- Always install new valve cores and metal valve caps containing plastic or rubber seals.**
- Always replace the rubber valve stem on a 16" through 19.5" wheel.**
- Always use a safety device such as an inflation cage** or other restraining device that will constrain all wheel components during the sudden release of the contained gas of a single piece wheel. Refer to current OSHA standards for compliance. **Do not bolt safety cages to the floor nor add any other restraints or accessories. Cage should be placed 3 feet from anything, including the wall.** Never stand over a tire or in front of a tire when inflating. Always use a clip-on valve chuck with an in-line valve fitted with a pressure gauge or use a presettable regulator. **Additionally, ensure there is a sufficient length of hose between the clip-on chuck and the in-line valve (if one is used) to allow the service technician to stand outside the trajectory zone when inflating.** Trajectory zone means any potential path or route that a wheel component may travel during an explosive separation or the sudden release of the pressurized gas, or an area at which the blast from a single piece wheel may be released. The trajectory may deviate from paths that are perpendicular to the assembled position of the wheel at the time of separation or explosion. See Rubber Manufacturers Association Tire Information Service Bulletin Volume 33, Number 3 (December 2007) for more information.

2. TIRE AND WHEEL LUBRICATION

It is essential that an approved tire mounting lubricant be used. Preferred materials for use as bead lubricants are vegetable based and mixed with proper water ratios per manufacturer's instructions. Never use antifreeze, silicones, or petroleum-base lubricants as this will damage the rubber. Lubricants not mixed to the manufacturer's specifications may have a harmful effect on the tire and wheel.

The lubricant serves the following three purposes:

- Helps minimize the possibility of damage to the tire beads from the mounting tools.
- Helps ease the insertion of the tire onto the wheel by lubricating all contacting surfaces.
- Assists proper bead seating (tire and wheel centering) and helps to prevent eccentric mountings.

The MICHELIN product, Tiger Grease 80, MSPN 25817, is specifically formulated for commercial truck tire mounting. It can be obtained through any authorized MICHELIN Truck Tire dealer or by contacting MICHELIN Consumer Care (1-888-622-2306).

For tube-type tires apply a clean lubricant to all portions of the tire bead area and the exposed portion of the flap using sufficient but sparing quantities of lubricant.

Also, lubricate the entire rim surface of the wheel.

Avoid using excessive amounts of lubricant, which can become trapped between the tire and tube and can result in tube damage and rapid tire pressure loss.

CAUTION: It is important that tire lubricant be clean and free of dirt, sand, metal shavings, or other hard particles. The following practice is recommended:

- Use a fresh supply of tire lubricant each day, drawing from a clean supply source and placing the lubricant in a clean portable container.
- Provide a cover for the portable container and/or other means to prevent contamination of the lubricant when not in use. For lubricants in solution, we suggest the following method that has proven to be successful in helping to minimize contamination and prevent excess lubricant from entering the tire casing: provide a special cover for the portable container that has a funnel-like device attached. The small opening of the funnel should be sized so that when a swab is inserted through the opening into the reserve of lubricant and then withdrawn, the swab is compressed, removing excess lubricant. This allows the cover to be left in place providing added protection. A mesh false bottom in the container is a further protection against contaminants. The tire should be mounted and inflated promptly before lubricant dries.

3. PREPARATION OF WHEELS AND TIRES

- Always wear safety goggles or face shields when buffing or grinding wheels.
- Inspect wheel assemblies for cracks, distortion, and deformation of flanges. Using a file and/or emery cloth, smooth all burrs, welds, dents, etc. that are present on the tire side of the wheel. Inspect the condition of bolt holes on the wheels. Rim flange gauges and ball tapes are available for measuring wear and circumference of aluminum wheels.
- Remove rust with a wire brush and apply a rust inhibiting paint on steel wheels. The maximum paint thickness is 0.0035" on the disc face of the wheel.
- Remove any accumulation of rubber or grease that might be stuck to the tire, being careful not to damage it. Wipe the beads down with a dry rag.

MOUNTING TUBELESS

- Inspect the condition of the bolt holes on the wheels, and look for signs of fatigue. Check flanges for excessive wear by using the wheel manufacturer's flange wear indicator.
- Replace valve core, and inspect valve stem for damage and wear. Michelin recommends always replacing the valve stem and using a new valve stem grommet. Ensure valve stem is installed using the proper torque value. 80-125 in/lbs (7-11 ft/lbs) for standard aluminum

wheels and 35-55 in/lbs (3-5 ft/lbs) for standard tubeless steel wheels. Ensure the valve core is installed using the proper torque value of 1.5 – 4 in/lbs.

To prevent galvanic corrosion on aluminum wheels, lubricate the threads and O-ring of the valve stem with a non-waterbased lubricant before installation.

3. Apply the tire and wheel lubricant to the rim surface of the wheel and bead area of the tire. When applying lubricant to the wheel, lubricate the entire rim surface from flange to flange. The tire should be mounted and inflated before the lubricant dries.
4. With short ledge up, lay the tire over the wheel opposite the valve side and work it on with proper tubeless tire tools, making full use of the drop center well. Drop center wheels are typically designed with an off-set drop center to accommodate wheel width and brake clearance. This creates a “short side” and a “long side” on the wheel. (Some drop center wheels are designed with a symmetric wheel profile facilitating tire mounting from either side.) It is imperative that the tire always be mounted and dismounted only from the short side. Failure to do this will likely result in damaged tire beads that could eventually cause rapid gas loss due to casing rupture. This is particularly important on 19.5 inch RW (reduced well) aluminum wheels which, contrary to the norm, have their drop center located close to the disc side. Do not use a 19.5 x 7.50 wheel for the 305/70R19.5 tire size. All 19.5 inch tubeless wheels should be mounted from the short side. Care should be taken to ensure that any internal monitoring system molded in the tire or on the wheel is not damaged or dislodged during this service.
5. **Do not use any kind of hammer.** Severe inner liner damage may occur resulting in sidewall separation and tire destruction. Use only proper mounting levers; **DO NOT USE A DUCK BILL HAMMER.**
6. The MICHELIN® X ONE® tire is designed to replace dual tires on the drive and trailer positions of tandem over the road vehicles, and the tires must be mounted on 22.5 x 14.00" size wheels. Position the tire and wheel assembly so the valve stem is facing outward, away from the vehicle.

INFLATION OF TUBELESS TIRES

1. Lay tire/wheel assembly horizontally and inflate to no more than 5 psi to position the beads on the flanges. **OSHA dictates no more than 5 psi outside the cage to seat the beads.**
2. To complete the seating of the beads, place the assembly in an OSHA (Occupational Safety and Health Administration) compliant inflation restraining device (i.e. safety cage) and inflate to 20 psi. Check the assembly carefully for any signs of distortion or irregularities from run-flat. If run-flat is detected, scrap the tire.
3. If no damage is detected, continue to inflate to the maximum pressure marked on the sidewall. RMA (Rubber Manufacturers Association) recommends that if any tire suspected of having been underinflated and/or



Re-inflation of any type of tire and wheel assembly that has been operated in a run-flat or underinflated condition (less than 80% of normal recommended operating pressure) can result in serious injury or death. The tire may be damaged on the inside and can explode during inflation. The wheel parts may be worn, damaged or dislodged and can explosively separate.

overloaded must remain in the safety cage at 20 psi over the maximum pressure marked on the sidewall. Do not exceed the maximum inflation pressure for the wheel. RMA requires that all steer sidewall tires are inflated without a valve core.

4. Ensure that the guide rib (GG Ring/mold line) is positioned concentrically to the wheel flange with no greater than 2/32" of difference found circumferentially. Check for this variation by measuring at four sidewall locations (12, 3, 6, 9 o'clock). If bead(s) did not seat, deflate tire, re-lubricate the bead seats and re-inflate. **Note:** As a general guide in vibration analysis, the 30/60/90 rule may apply:
 - .030-.060 (1/32 to 2/32 inch)** = No action is required. Limited possibility for vibration exists, and this range maximizes the ability to balance properly.
 - .061-.090 (2/32 to 3/32 inch)** = Corrective action would be to perform the 3 R's, after deflating the tire.
 - Rotate the tire on the wheel
 - Re-lubricate the tire and wheel (ensure the wheel is very clean)
 - Re-inflate ensuring your initial inflation is with the tire lying horizontal (3-5 psi max)
 - >.090 (>3/32 inch)** = Perform 3 R's if mismatch is indicated; however, when the reading is this high, it usually requires checking runout on these component parts: wheels/hubs/drums/wheel bearings.
5. After beads are properly seated, place the tire in safety cage and inflate assembly to maximum pressure rating shown on the sidewall, then reduce to operating pressure. Check valve core for leakage, then install suitable valve cap. Consider the use of inflate-thru or double seal valve caps for easier pressure maintenance.

DEMOUNTING OF TUBELESS TIRES

1. If still fitted on the vehicle, completely deflate the tire by removing the valve core. In the case of a dual assembly, completely deflate both tires before removing them from the vehicle (OSHA requirement). Run a wire or a pipe cleaner through the valve stem to ensure complete deflation.
2. With the tire assembly lying flat (after deflating the tire), break the bead seat of both beads with a bead breaking tool. Do not use hammers of any type to seat the bead. Striking a wheel assembly with a hammer of any type can damage the tire or wheel and endanger the installer.

Use a steel duck bill hammer only as a wedge. Do not strike the head of a hammer with another hard faced hammer – use a rubber mallet.

3. Apply the vegetable-based lubricant to all surfaces of the bead area of the tire.
4. Beginning at the valve, remove the tire from the wheel. Starting at the valve will minimize chances of damaging the valve assembly. Make certain that the rim flange with the tapered ledge that is closest to the drop center is facing up. Insert the curved ends of the tire irons

between the tire and rim flange. Step forward into the drop center and drop the bars down, lifting the tire bead over the rim flange. Hold one tire iron in position with your foot. Pull the second tire iron out and reposition it about 90 degrees from the first iron. Pull the second tire iron towards the center of the wheel. Continue to work tools around wheel until first bead is off the wheel.

5. Lift the assembly, place and rotate the tire iron to lock on the back rim flange, allow the tire to drop, and with a rocking motion remove the tire from the wheel.

PART 3: MOUNTING AND DEMOUNTING TUBE-TYPE TIRES

A tire cannot perform properly unless it is mounted properly on the correct size wheel. The following are general instructions for demounting and mounting MICHELIN® tube-type tires. For detailed instructions on mounting and demounting truck tires on particular types of wheels, refer to the instructions of the wheel manufacturer or the RMA (Rubber Manufacturers Association) wall charts.



WARNING

Do not re-inflate any tires that have been run underinflated or flat without careful inspection for damage. If run-flat damage is detected, scrap the tire. A tire is considered run-flat if it is found to be less than 80% of normal recommended operating pressure. This can result in serious injury or death. The tire may be damaged on the inside and can explode during inflation. The wheel parts may be worn, damaged or dislodged and can explosively separate.

1. SELECTION OF PROPER COMPONENTS AND MATERIALS

- a. **All tires must be mounted with the proper MICHELIN® tube and flap (if required) and wheel** as indicated in the specification tables on Page 98 of the MICHELIN Truck Tire Service Manual at www.michelintruck.com/toolbox/reference-material/jsp. For complete tire specifications, refer to application specific data books.
- b. **Make certain that wheel components are properly matched and of the correct dimensions for the tire.**
- c. **Always fit a new MICHELIN® tube in a new mounting.** Since a tube will exhibit growth in size through normal use, an old tube used in a new mounting increases the possibility of tube creasing and chafing, possibly resulting in failure.
- d. **Always install a new flap in a new mounting.** A flap, through extended use, becomes hard and brittle. After a limited time, it will develop a set to match the tire and wheel in which it is fitted. Therefore, it will not exactly

match a new tire and wheel combination.

- e. **Always install new valve cores and metal valve caps containing plastic or rubber seals.** For tires requiring O-rings, be sure to properly install a new silicone O-ring at every tire change.
- f. **Always use a safety device such as an inflation cage** or other restraining device that will constrain all wheel components during an explosive separation of a multi-piece wheel, or during the sudden release of the contained gas of a single piece wheel that is in compliance with OSHA (Occupational Safety and Health Administration) standards. Do not bolt restraining device to the floor. Never stand over a tire or in front of a tire when inflating. Always use a clip-on valve chuck with an in-line valve with a pressure gauge or a presettable regulator. Additionally, ensure there is a sufficient length of hose between the clip-on chuck and the in-line valve (if one is used) to allow the service technician to stand outside the trajectory path when inflating. Trajectory zone means any potential path or route that a wheel component may travel during an explosive separation, or the sudden release of the pressurized gas, or an area at which the blast from a single piece wheel may be released. The trajectory may deviate from paths that are perpendicular to the assembled position of the wheel at the time of separation or explosion.

NEVER WELD OR APPLY HEAT TO A WHEEL ON WHICH A TIRE IS MOUNTED.

2. TIRE AND WHEEL LUBRICATION

It is essential that an approved tire mounting lubricant be used. Preferred materials for use as bead lubricants are vegetable based and mixed with proper water ratios per manufacturer's instructions. Never use antifreeze, silicones, or petroleum-base lubricants as this will damage the rubber. Lubricants not mixed to the manufacturer's specifications may have a harmful effect on the tire and wheel.

The lubricant serves the following three purposes:

- Helps minimize the possibility of damage to the tire beads from the mounting tools.
- Helps ease the insertion of the tire onto the wheel by

lubricating all contacting surfaces.

- Assists proper bead seating (tire and wheel centering) and helps to prevent eccentric mountings.

The MICHELIN® product, Tiger Grease 80, MSPN 25817, is specifically formulated for commercial truck tire mounting. It can be obtained through any authorized MICHELIN Truck Tire dealer or by contacting MICHELIN Consumer Care (1-888-622-2306).

Apply a clean lubricant to all portions of the tire bead area and the exposed portion of the flap using sufficient but sparing quantities of lubricant. **Also, lubricate the entire rim surface. Avoid using excessive amounts of lubricant, which can become trapped between the tire and tube and can result in tube damage and rapid gas loss.**

CAUTION: It is important that tire lubricant be clean and free of dirt, sand, metal shavings, or other hard particles. The following practice is recommended:

- Use a fresh supply of tire lubricant each day, drawing from a clean supply source and placing the lubricant in a clean portable container.
- Provide a cover for the portable container and/or other means to prevent contamination of the lubricant when not in use. For lubricants in solution, we suggest the following method, which has proven to be successful in helping to minimize contamination and prevent excess lubricant from entering the tire casing: provide a special cover for the portable container that has a funnel-like device attached. The small opening of the funnel should be sized so that when a swab is inserted through the opening into the reserve of lubricant and then withdrawn, the swab is compressed, removing excess lubricant. This allows the cover to be left in place providing added protection. A mesh false bottom in the container is a further protection against contaminants. The tire should be mounted and inflated promptly before lubricant dries.

3. PREPARATION OF WHEELS AND TIRES

- Always wear safety goggles or face shields when buffing or grinding wheels.
- Inspect wheel assemblies for cracks, distortion, and deformation of flanges. Using a file and/or emery cloth, smooth all burrs, welds, dents, etc. that are present on the tire side of the wheel. Inspect the condition of bolt holes on the wheels. Rim flange gauges and ball tapes are available for measuring wear and circumference of aluminum wheels.
- Remove rust with a wire brush and apply a rust inhibiting paint on steel wheels. The maximum paint thickness is .0035" (3.5 mils) on the disc face of the wheel.
- Remove any accumulation of rubber or grease stuck to the tire, being careful not to damage it. Wipe the beads down with a dry rag.

DEMOUNTING TUBE-TYPE TIRE

- Before loosening any nuts securing the wheel assembly

to the vehicle, remove the valve core and deflate completely. If working on a dual assembly, completely deflate both tires. Run a wire or pipe cleaner through the valve stem to ensure complete deflation. This is to prevent a possible accident.

- Remove the tire and wheel assembly from the vehicle and place on the floor with the side ring up.
- Run a wire or pipe cleaner through the valve stem to clear the valve stem.
- Apply lubricant to all surfaces of the bead area of the tire. Use the duck bill hammer, with the rubber mallet as a wedge, or a slide hammer.
- For two-piece wheels**, remove the side ring by pushing the tire bead down. Insert the tapered end of the rim tool into the notch and pry the side ring out of the gutter. Pry progressively around the tire until the side ring is free of the gutter.
- For three-piece wheels**, remove the lock ring by pushing the side rings and the tire bead down. Insert the tapered end of the rim tool into the notch near the split in the lock ring, push the tool downward, and pry the lock ring outward to remove the lock ring from the gutter. Use the hooked end of the rim tool progressively around the tire to complete the removal, then lift off the side ring.
- Turn the assembly over.
- Unseat the remaining tire bead from the rim, and lift the rim from the tire.



Any inflated tire mounted on a wheel contains explosive energy. The use of damaged, mismatched or improperly assembled tire and wheel parts can cause the assembly to burst apart with explosive force. If you are struck by an exploding tire, wheel part or the blast, you can be seriously injured or killed. Do not attempt to dismount the tire while the assembly is still installed on the vehicle. Use proper tools to demount or mount wheel parts. Never use a steel hammer to seat wheel parts – use only rubber, plastic, or brass-tipped mallets. Striking a wheel assembly with a hammer of any type can damage the tire or wheel and endanger the installer. Use a steel duck bill hammer only as a wedge. Do not strike the head of a hammer with another hard-faced hammer – use a rubber mallet.

MOUNTING TUBE-TYPE TIRE

- Insert the proper size MICHELIN® tube into the tire and partially inflate (3 psi) to round out the tube (with larger sizes it may be necessary to use bead spreaders – see Page 8 for mounting instructions).
- Insert the valve through the flap valve hole. (Make sure the reinforced patch that is directly over the flap valve hole is facing outwards.) Then insert the remainder of the flap into the tire.

3. Check the flap wings to ensure against folding. This is easily accomplished by placing your hand into one tire side, then the other, and then running your hand along the entire flap wing.
4. Inflate the tube until the flap is secured against the tire wall and the beads start to spread apart, making sure **not to exceed 3 psi**.
5. Apply a proper tire lubricant to both beads, exposed flap, and fully to the rim. Make sure that excess lubricant does not run down into the tire.
6. Lay the wheel flat on the floor with the gutter side up. Place tire, tube, and flap on the wheel, taking care to center the valve in the slot.
7. For two-piece wheels, place the side ring on the rim base so that the ring split is opposite the valve stem by placing the leading end (end without the notch) of the ring into the groove in the rim, and progressively walk the side ring into place. Ensure the ring is fully seated in the gutter.
8. For three-piece wheels, place the side ring on the rim base and stand on the ring to position it below the gutter rim base. Snap the leading end (end without the notch) of the lock ring into the gutter of the rim base, and progressively walk the lock ring into place. Ensure the ring is fully seated in the gutter.



WARNING

Re-assembly and inflation of mismatched parts can result in serious injury or death. Just because parts fit together does not mean they belong together. Check for proper matching of all wheel parts before putting any parts together. Inspect the tire and the wheel for any damage that would require them to be placed out of service.

Mismatching tire and wheel components is dangerous. A mismatched tire and wheel assembly may explode and can result in serious injury or death. This warning applies to any combination of mismatched components and wheel combinations. Never assemble a tire and wheel unless you have positively identified and correctly matched the parts.

MOUNTING OF TUBE-TYPE TIRES USING MANUAL SPREADERS

1. Follow Steps 1 through 3 of the “Mounting of Tube-Type Tires.” However, before inserting the flap into the tire, position two bead spreaders in the following manner:
 - a. Place the first at a 90° angle to the valve. (Flap is positioned between the spreader and the tube.)
 - b. Place the second directly opposite the first.
 - c. Spread the beads and insert the flap.
 - d. Close the beads, remove spreaders.
2. Follow Steps 4 through 8 of the “Mounting of Tube-Type Tires.”

MOUNTING OF TUBE-TYPE TIRES USING AUTOMATIC SPREADERS

1. Spread the tire beads.
2. Inflate the tube to approximately 3 psi.
3. Insert the tube into the tire.
4. Insert the valve through the flap valve hole. (As mentioned, the flap reinforced valve area must face outwards.) Insert the remainder of the flap into the tire.
5. Close the beads.
6. Apply a proper tire lubricant to the inside and outside surfaces of both beads and to that portion of the flap that appears between the beads. **Make sure that excess lubricant does not run down into the tire.**
7. Follow Steps 4 through 8 of the “Mounting of Tube-Type Tires.”

INFLATION OF TUBE-TYPE TIRES

1. An inflation line with an extension (30" minimum), in-line gauge, and a clip-on valve chuck should be used for inflation. Remove valve core and lay the assembly flat on the ground. Using an approved restraining device, inflate partially to seat beads to no more than 3 psi. While the tire is still in the restraining device, make sure all wheel components are centered and locked properly. If not, the tire must be deflated, broken down, relubricated and reinflated. Do not attempt to seat the lock ring by means of a hammer.
2. Deflate the tire by removing the inflation line. This is to allow the tube to relax, thus, eliminating any wrinkles or uneven stretching that may have occurred during primary inflation.
3. **With the valve core still removed, place the tire and wheel assembly into an approved safety cage or other approved restraining device meeting OSHA (Occupational Safety and Health Administration) standards**, and reinflate the tire to the pressure shown on the sidewall in order to ensure proper bead seating. Then adjust the tire to the proper operating pressure. Never stand over a tire or in front of a tire when inflating. Always use a clip-on valve chuck with an in-line valve with a pressure gauge or a presettable regulator and a sufficient length of hose between the clip-on chuck and in-line valve (if one is used) to allow the employee to stand outside the trajectory path when inflating. RMA (Rubber Manufacturers Association) requires that all steel sidewall radial tires are inflated without a valve core.
4. Reinspect the assembly for proper positioning and seating of all components.
5. Check for leaks, and install a suitable valve cap.

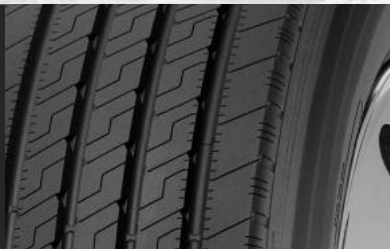


WARNING

Do not re-inflate any tires that have been run under-inflated or flat without careful inspection for damage. If run-flat damage is detected, scrap the tire. A tire is considered run-flat if it is found to be less than 80% of normal recommended operating pressure.



RV Tires



RV Tires

MICHELIN® RV TIRE REFERENCE CHART

RV Tires

SIZE	Load Range	Tread	Catalog Number	Tread Depth 32nds	Max. Load and Pressure Single				Max. Load and Pressure Dual			
					lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
LT215/85R16	E	XPS RIB	39510	15	2680	80	1215	550	2470	80	1120	550
LT225/75R16	E	XPS RIB	08404	14	2680	80	1215	550	2470	80	1120	550
LT235/85R16	E	XPS RIB	13080	15	3042	80	1380	550	2778	80	1260	550
LT245/75R16	E	XPS RIB	26848	15	3042	80	1380	550	2778	80	1260	550
10R17.5	G	XZA	05008	16	4805	115	2180	790	4540	115	2060	790
225/70R19.5	F	XRV	58916	13	3640	95	1650	660	3415	95	1550	660
	F	XZE	81473	17	3640	95	1650	660	3415	95	1550	660
	G	XZE	91043	17	3970	110	1800	760	3750	110	1700	760
245/70R19.5	F	XRV	67140	14	4080	95	1850	660	3860	95	1750	660
	H	XZE	75997	18	4940	120	2240	830	4675	120	2120	830
9R22.5	F	XZE	75473	18	4540	105	2060	720	4300	105	1950	720
10R22.5	F	XZE	79883	21	5205	100	2360	690	4940	100	2240	690
	G	XZE	99141	21	5675	115	2575	790	5355	115	2430	790
11R22.5	G	XZA3+ EVERTREAD	25041	19	6175	105	2800	720	5840	105	2650	720
	G	XZE2	78390	22	6175	105	2800	720	5840	105	2650	720
	H	XZA3+ EVERTREAD	38479	19	6610	120	3000	830	6005	120	2725	830
	H	XZE2	67042	22	6610	120	3000	830	6005	120	2725	830
12R22.5	H	XZE *	85335	22	7390	120	3350	830	6780	120	3075	830
235/80R22.5	G	XRV	87511	16	4675	110	2120	760	4410	110	2000	760
	G	XZE	68749	19	4675	110	2120	760	4410	110	2000	760
255/70R22.5	H	XZE *	61737	18	5510	120	2500	830	5070	120	2300	830
255/80R22.5	G	XRV	59634	16	5205	110	2360	760	4805	110	2180	760
	G	XZE	94390	20	5205	110	2360	760	4805	110	2180	760
275/70R22.5	J	XZA2 ENERGY	90059	18	6940	130	3150	900	6395	120	2900	830
	J	XZE2+	78395	19	6940	130	3150	900	6395	120	2900	830
275/80R22.5	G	XZA3+ EVERTREAD	26413	19	6175	110	2800	760	5675	110	2575	760
	G	XZE2	55895	22	6175	110	2800	760	5675	110	2575	760
	H	XZA3+ EVERTREAD	39174	19	7160	120	3250	830	6610	120	3000	830
	H	XZE	01637	22	7160	120	3250	830	6610	120	3000	830
295/60R22.5	J	XZA2 ENERGY	33215	16	7390	130	3550	900	6780	130	3075	900
295/80R22.5	H	X COACH HL Z	31078	18	8270	123	3750	850	7160	123	3250	850
	H	XZA2 ENERGY	76807	16	7830	120	3550	830	6940	120	3150	830
305/70R22.5	L	XRV	93499	16	7830	120	3550	830	6940	120	3150	830
315/80R22.5	L	XZA1	47056	18	9090	130	4125	900	8270	130	3750	900
	L	XZA2 ENERGY	76184	17	9090	130	4125	900	8270	130	3750	900
365/70R22.5	L	XZA	71842	19	10500	125	4750	860	—	—	—	—
11R24.5	G	XZA3+ EVERTREAD	27983	19	6610	105	3000	720	6005	105	2725	720
	G	XZE2	91867	22	6610	105	3000	720	6005	105	2725	720
	H	XZA3+ EVERTREAD	06813	19	7160	120	3250	830	6610	120	3000	830
	H	XZE2	88507	22	7160	120	3250	830	6610	120	3000	830
275/80R24.5	G	XZA3+ EVERTREAD	28791	19	6175	110	2800	760	5675	110	2575	760
	G	XZE2	75519	22	6175	110	2800	760	5675	110	2575	760
	H	XZA3+ EVERTREAD	61185	19	6780	120	3075	830	6175	120	2800	830

* With chip and cut resistant tread compound.



All-position radial designed specifically for exceptional performance on recreational vehicles and motorhomes

- Wide, “see-through” grooves promote drainage efficiency to help improve traction on wet surfaces
- Multi-siping helps deliver dependable grip and long, even wear
- Enlarged sidewall characters makes load/pressure information easier to read, facilitating proper use and maintenance
- Stable tread with cool running compound engineered to reduce squirm and lower heat for improved handling and durability



RV Tires

LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (+)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph		in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
225/70R19.5 (1)	F	58916	13	75	14.9	379	32.0	813	8.7	222	6.00, 6.75	9.7	246	648	3640	95	1650	660	3415	95	1550	660	
245/70R19.5 (1)	F	67140	14	75	15.5	393	33.3	846	9.6	245	6.75, 7.50	10.7	272	625	4080	95	1850	660	3860	95	1750	660	
235/80R22.5 (1)	G	87511	16	75	17.4	443	37.1	942	9.2	233	6.75, 7.50	10.3	262	556	4675	110	2120	760	4410	110	2000	760	
255/80R22.5 (1)	G	59634	16	75	17.9	456	38.2	972	9.9	251	7.50, 8.25	11.2	284	541	5205	110	2360	760	4805	110	2180	760	
305/70R22.5 (2)	L	93499	16	75	18.1	460	39.1	994	12.3	312	9.00, 8.25	13.5	343	531	7830	120	3550	830	6940	120	3150	830	

(1, 2) Tread design as indicated above the tire picture.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

MICHELIN® tires and tubes are subject to a continuous development program. Michelin North America, Inc. reserves the right to change product specifications at any time without notice or obligations.

Please consult wheel manufacturer’s load and inflation limits. Never exceed wheel manufacturer’s limits without permission of component manufacturer.

MICHELIN INFLATION CHARTS FOR RV USAGE

For RV use only, Michelin displays tire loads **per axle end** in the load and inflation tables, as we recommend weighing each axle end separately and using the heaviest end weight to determine the axle's cold inflation tire pressure. **For control of your RV, it is critical the tire pressures be the same across an axle, while NEVER exceeding the maximum pressure limit stamped on the wheels.**

To select the proper load and inflation table, locate your tire size in the following pages, then match your tire's sidewall markings to the table with the same sidewall markings. If your tire's sidewall markings do not match any table listed, please contact your Michelin dealer for the applicable load and inflation table.

Industry load and inflation standards are in a constant state of change, and Michelin continually updates its product information to reflect these changes. Printed material may not reflect the latest load and inflation standards.

In the load and inflation tables, **SINGLE** means an axle with one tire mounted on each end, while **DUAL** means an axle with two tires mounted on each end. In an RV application, the loads indicated represent the total weight of an axle end. When one axle end weighs more than the other, use the heaviest of the two end weights to determine the unique tire pressure for all tires on the axle. The maximum cold pressure for each axle may vary, depending on their weights. These tables are applicable for all RV axles, whether or not they are power-driven.

Wheel Diameter 16"	PSI	35	40	45	50	55	60	65	70	75	80	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	250	280	310	350	380	410	450	480	520	550	
LT215/85R16 LRE XPS RIB	LBS SINGLE	1495	1640	1785	1940	2050	2180	2335	2430	2550	2680	S 2680 LBS at 80 PSI
	LBS DUAL	2720	2980	3250	3530	3730	3970	4300	4420	4640	4940	D 2470 LBS at 80 PSI
	KG SINGLE	695	745	810	880	930	990	1060	1100	1155	1215	S 1215 KG at 550 kPa
	KG DUAL	1260	1350	1475	1600	1690	1800	1950	2005	2105	2240	D 1120 KG at 550 kPa
LT225/75R16 LRE XPS RIB	LBS SINGLE	1500	1650	1790	1940	2060	2190	2335	2440	2560	2680	S 2680 LBS at 80 PSI
	LBS DUAL	2730	3000	3260	3530	3750	3990	4300	4440	4660	4940	D 2470 LBS at 80 PSI
	KG SINGLE	700	750	813	880	935	995	1060	1108	1160	1215	S 1215 KG at 550 kPa
	KG DUAL	1270	1360	1480	1600	1700	1810	1950	2015	2115	2240	D 1120 KG at 550 kPa
LT235/85R16 LRE XPS RIB	LBS SINGLE	1700	1870	2030	2205	2335	2485	2625	2765	2905	3042	S 3042 LBS at 80 PSI
	LBS DUAL	3090	3400	3690	4010	4250	4520	4760	5030	5290	5556	D 2778 LBS at 80 PSI
	KG SINGLE	790	850	920	1000	1060	1130	1190	1255	1320	1380	S 1380 KG at 550 kPa
	KG DUAL	1440	1545	1675	1820	1930	2050	2160	2280	2400	2520	D 1260 KG at 550 kPa
LT245/75R16 LRE XPS RIB	LBS SINGLE	1700	1865	2030	2205	2335	2480	2625	2765	2900	3042	S 3042 LBS at 80 PSI
	LBS DUAL	3090	3390	3690	4010	4250	4510	4763	5030	5280	5556	D 2778 LBS at 80 PSI
	KG SINGLE	790	845	920	1000	1060	1125	1190	1255	1315	1380	S 1380 KG at 550 kPa
	KG DUAL	1440	1540	1675	1820	1930	2045	2160	2280	2395	2520	D 1260 KG at 550 kPa

Wheel Diameter 17.5"	PSI	85	90	95	100	105	110	115	120	125	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	590	620	660	690	720	760	790	830	860	
10R17.5 LRG XZA	LBS SINGLE	3860	4005	4150	4300	4470	4640	4805			S 4805 LBS at 115 PSI
	LBS DUAL	7280	7570	7860	8160	8470	8780	9080			D 4540 LBS at 115 PSI
	KG SINGLE	1750	1820	1890	1950	2030	2110	2180			S 2180 KG at 790 kPa
	KG DUAL	3300	3440	3580	3700	3840	3980	4120			D 2060 KG at 790 kPa

MICHELIN INFLATION CHARTS FOR RV USAGE

In the load and inflation tables, **SINGLE** means an axle with one tire mounted on each end, while **DUAL** means an axle with two tires mounted on each end. In an RV application, the loads indicated represent the total weight of an axle end. When one axle end weighs more than the other, use the heaviest of the two end weights to determine the unique tire pressure for all tires on the axle. The maximum cold pressure for each axle may vary, depending on their weights. These tables are applicable for all RV axles, whether or not they are power-driven.

Wheel Diameter 19.5"	PSI	65	70	75	80	85	90	95	100	105	110	115	120	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	450	480	520	550	590	620	660	690	720	760	790	830	
225/70R19.5 LRF XRV XZE	LBS SINGLE	2755	2895	3040	3195	3315	3450	3640						S 3640 LBS at 95 PSI
	LBS DUAL	5200	5440	5720	6000	6230	6490	6830						D 3415 LBS at 95 PSI
	KG SINGLE	1250	1310	1380	1450	1500	1570	1650						S 1650 KG at 660 kPa
	KG DUAL	2360	2460	2600	2720	2820	2940	3100						D 1550 KG at 660 kPa
225/70R19.5 LRG XZE	LBS SINGLE	2755	2895	3040	3195	3315	3450	3640	3715	3845	3970			S 3970 LBS at 110 PSI
	LBS DUAL	5200	5440	5720	6000	6230	6490	6830	6980	7230	7500			D 3750 LBS at 110 PSI
	KG SINGLE	1250	1310	1380	1450	1500	1570	1650	1690	1740	1800			S 1800 KG at 760 kPa
	KG DUAL	2360	2460	2600	2720	2820	2940	3100	3160	3280	3400			D 1700 KG at 760 kPa
245/70R19.5 LRF XRV	LBS SINGLE				3640	3740	3890	4080						S 4080 LBS at 95 PSI
	LBS DUAL				6830	7030	7310	7720						D 3860 LBS at 95 PSI
	KG SINGLE				1650	1700	1770	1850						S 1850 LBS at 660 kPa
	KG DUAL				3100	3180	3320	3500						D 1750 LBS at 660 kPa
245/70R19.5 LRH XZE	LBS SINGLE			3390	3570	3750	3925	4100	4270	4440	4610	4775	4940	S 4940 LBS at 120 PSI
	LBS DUAL			6420	6760	7100	7430	7760	8080	8400	8720	9040	9350	D 4675 LBS at 120 PSI
	KG SINGLE			1540	1620	1700	1780	1860	1935	2015	2090	2165	2240	S 2240 KG at 830 kPa
	KG DUAL			2910	3065	3220	3370	3520	3665	3810	3955	4100	4240	D 2120 KG at 830 kPa

Wheel Diameter 22.5"	PSI	70	75	80	85	90	95	100	105	110	115	120	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	480	520	550	590	620	660	690	720	760	790	830	850	900	
9R22.5 LRF XZE	LBS SINGLE	3370	3560	3730	3890	4080	4235	4390	4540						S 4550 LBS at 105 PSI
	LBS DUAL	6540	6820	7100	7380	7720	8010	8300	8600						D 4300 LBS at 105 PSI
	KG SINGLE	1530	1615	1690	1760	1850	1920	1990	2060						S 2060 KG at 720 kPa
	KG DUAL	2960	3100	3220	3340	3500	3640	3780	3900						D 1950 KG at 720 kPa
10R22.5 LRF XZE	LBS SINGLE	4080	4280	4480	4675	4850	5025	5205							S 5205 LBS at 100 PSI
	LBS DUAL	7720	8090	8460	8820	9170	9520	9880							D 4940 LBS at 100 PSI
	KG SINGLE	1850	1940	2030	2120	2200	2280	2360							S 2360 KG at 690 kPa
	KG DUAL	3500	3660	3820	4000	4160	4320	4480							D 2240 KG at 690 kPa
10R22.5 LRG XZE	LBS SINGLE	4080	4280	4480	4685	4850	5025	5205	5360	5515	5675				S 5675 LBS at 115 PSI
	LBS DUAL	7720	8090	8460	8820	9170	9520	9880	10150	10420	10710				D 5355 LBS at 115 PSI
	KG SINGLE	1850	1940	22030	2120	2200	2280	2360	2430	2500	2575				S 2575 KG at 790 kPa
	KG DUAL	3500	3660	3820	4000	4160	4320	4480	4600	4720	4860				D 2430 KG at 790 kPa
11R22.5 LRG XZA3+ EVERTREAD XZE2	LBS SINGLE	4530	4770	4990	5220	5510	5730	5950	6175						S 6175 LBS at 105 PSI
	LBS DUAL	8760	9160	9520	9900	10410	10830	11250	11680						D 5840 LBS at 105 PSI
	KG SINGLE	2050	2160	2260	2370	2500	2600	2700	2800						S 2800 KG at 720 kPa
	KG DUAL	3980	4160	4320	4500	4720	4920	5120	5300						D 2650 KG at 720 kPa
11R22.5 LRH XZA3+ EVERTREAD XZE2	LBS SINGLE		4770	4990	5220	5510	5730	5950	6175	6320	6465	6610			S 6610 LBS at 120 PSI
	LBS DUAL		9160	9520	9900	10410	10830	11250	11680	11790	11900	12010			D 6005 LBS at 120 PSI
	KG SINGLE		2160	2260	2370	2500	2600	2700	2800	2870	2940	3000			S 3000 KG at 830 kPa
	KG DUAL		4160	4320	4500	4720	4920	5120	5300	5360	5420	5450			D 2725 KG at 830 kPa
12R22.5 LRH XZE *	LBS SINGLE		5200	5450	5690	6005	6205	6405	6610	6870	7130	7390			S 7390 LBS at 120 PSI
	LBS DUAL		9980	10380	10780	11350	11570	11790	12010	12530	13050	13560			D 6780 LBS at 120 PSI
	KG SINGLE		2360	2470	2580	2725	2820	2910	3000	3120	3240	3350			S 3350 KG at 830 kPa
	KG DUAL		4520	4700	4880	5150	5260	5360	5450	5680	5920	6150			D 3075 KG at 830 kPa

* With chip and cut resistant tread compound.

More Wheel Diameter 22.5" continues on the next page.

MICHELIN INFLATION CHARTS FOR RV USAGE

In the load and inflation tables, SINGLE means an axle with one tire mounted on each end, while DUAL means an axle with two tires mounted on each end. In an RV application, the loads indicated represent the total weight of an axle end. When one axle end weighs more than the other, use the heaviest of the two end weights to determine the unique tire pressure for all tires on the axle. The maximum cold pressure for each axle may vary, depending on their weights. These tables are applicable for all RV axles, whether or not they are power-driven.

RV Tires

Wheel Diameter 22.5"	PSI	70	75	80	85	90	95	100	105	110	115	120	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	480	520	550	590	620	660	690	720	760	790	830	850	900	
235/80R22.5 LRG XRV XZE	LBS SINGLE	3470	3645	3860	3975	4140	4300	4455	4610	4675					S 4675 LBS at 110 PSI
	LBS DUAL	6320	6630	7050	7230	7530	7940	8110	8390	8820					D 4410 LBS at 110 PSI
	KG SINGLE	1570	1650	1750	1800	1880	1950	2020	2090	2120					S 2120 KG at 760 kPa
	KG DUAL	2860	3000	3200	3280	3420	3600	3680	3800	4000					D 2000 KG at 760 kPa
255/70R22.5 LRH XZE *	LBS SINGLE			4190	4370	4550	4675	4895	5065	5205	5400	5510			S 5510 LBS at 120 PSI
	LBS DUAL			7940	8220	8550	8820	8910	9220	9350	9830	10140			D 5070 LBS at 120 PSI
	KG SINGLE			1900	1980	2060	2120	2220	2300	2360	2450	2500			S 2500 KG at 830 kPa
	KG DUAL			3600	3720	3880	4000	4040	4180	4240	4460	4600			D 2300 KG at 830 kPa
255/80R22.5 LRG XRV XZE	LBS SINGLE	3875	4070	4300	4440	4620	4805	4975	5150	5205					S 5205 LBS at 110 PSI
	LBS DUAL	7050	7410	7720	8080	8410	8820	9050	9370	9610					D 4805 LBS at 110 PSI
	KG SINGLE	1760	1850	1950	2010	2100	2180	2260	2340	2360					S 2360 KG at 760 kPa
	KG DUAL	3200	3360	3500	3660	3820	4000	4100	4260	4360					D 2180 KG at 760 kPa
275/70R22.5 LRJ XZA2 ENERGY XZE2+	LBS SINGLE				4940	5170	5400	5625	5850	6070	6290	6510	6730	6940	S 6940 LBS at 130 PSI
	LBS DUAL				9710	10160	10610	11050	11490	11930	12360	12790			D 6395 LBS at 120 PSI
	KG SINGLE				2240	2345	2450	2550	2655	2755	2855	2955	3055	3150	S 3150 KG at 900 kPa
	KG DUAL				4405	4610	4815	5010	5210	5410	5605	5800			D 2900 KG at 830 kPa
275/80R22.5 LRG XZA3+ EVERTREAD XZE2	LBS SINGLE	4500	4725	4940	5155	5370	5510	5780	5980	6175					S 6175 LBS at 110 PSI
	LBS DUAL	8190	8600	9080	9380	9770	10140	10520	10880	11350					D 5675 LBS at 110 PSI
	KG SINGLE	2040	2140	2240	2340	2440	2500	2620	2710	2800					S 2800 KG at 760 kPa
	KG DUAL	3720	3900	4120	4260	4440	4600	4780	4940	5150					D 2575 KG at 760 kPa
275/80R22.5 LRH XZA3+ EVERTREAD XZE	LBS SINGLE		4915	5175	5435	5690	5940	6190	6435	6680	6920	7160			S 7160 LBS at 120 PSI
	LBS DUAL		9080	9560	10030	10500	10970	11430	11880	12330	12780	13220			D 6610 LBS at 120 PSI
	KG SINGLE		2230	2345	2465	2580	2695	2810	2920	3030	3140	3250			S 3250 KG at 830 kPa
	KG DUAL		4120	4335	4550	4765	4975	5185	5390	5595	5795	6000			D 3000 KG at 830 kPa
295/60R22.5 LRJ XZA2 ENERGY	LBS SINGLE				5260	5505	5750	5990	6230	6465	6700	6930	7160	7390	S 7390 LBS at 130 PSI
	LBS DUAL				9650	10100	10550	10990	11430	11860	12290	12720	13140	13560	D 6780 LBS at 130 PSI
	KG SINGLE				2385	2495	2610	2715	2825	2930	3040	3145	3230	3350	S 3350 KG at 900 kPa
	KG DUAL				4375	4580	4785	4985	5185	5380	5575	5770	5940	6150	D 3075 KG at 900 kPa
295/80R22.5 LRH XZA2 ENERGY	LBS SINGLE		5375	5660	5940	6220	6495	6770	7040	7300	7570	7830			S 7830 LBS at 120 PSI
	LBS DUAL		9530	10030	10530	11030	11510	12000	12470	12950	13420	13880			D 6940 LBS at 120 PSI
	KG SINGLE		2440	2550	2700	2810	2960	3060	3170	3310	3410	3550			S 3550 KG at 830 kPa
	KG DUAL		4340	4540	4800	4980	5240	5440	5620	5880	6060	6300			D 3150 KG at 830 kPa
305/70R22.5 LRL XRV	LBS SINGLE		5375	5660	5940	6220	6495	6770	7040	7300	7570	7830			S 7830 LBS at 120 PSI
	LBS DUAL		9530	10030	10530	11030	11510	12000	12470	12950	13420	13880			D 6940 LBS at 120 PSI
	KG SINGLE		2440	2550	2700	2810	2960	3060	3170	3310	3410	3550			S 3550 KG at 830 kPa
	KG DUAL		4340	4540	4800	4980	5240	5440	5620	5880	6060	6300			D 3150 KG at 830 kPa

* With chip and cut resistant tread compound.
More Wheel Diameter 22.5" continues on the next page.

MICHELIN INFLATION CHARTS FOR RV USAGE

In the load and inflation tables, **SINGLE** means an axle with one tire mounted on each end, while **DUAL** means an axle with two tires mounted on each end. In an RV application, the loads indicated represent the total weight of an axle end. When one axle end weighs more than the other, use the heaviest of the two end weights to determine the unique tire pressure for all tires on the axle. The maximum cold pressure for each axle may vary, depending on their weights. These tables are applicable for all RV axles, whether or not they are power-driven.

Wheel Diameter 22.5"	PSI	75	80	85	90	95	100	105	110	115	120	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	520	550	590	620	660	690	720	760	790	830	860	900	
315/80R22.5 LRL XZA1 XZA2 ENERGY on 9.00" wheel (design wheel)	LBS SINGLE			6415	6670	6940	7190	7440	7610	7920	8270	8690	9090	S 9090 LBS at 130 PSI
	LBS DUAL			11680	12140	12790	13090	13540	13880	14420	15220	15820	16540	D 8270 LBS at 130 PSI
	KG SINGLE			2910	3030	3150	3260	3370	3450	3590	3750	3940	4125	S 4125 KG at 900 kPa
	KG DUAL			5300	5500	5800	5940	6140	6300	6540	6900	7180	7500	D 3750 KG at 900 kPa
315/80R22.5 LRL XZA1 XZA2 ENERGY on 8.25" wheel (alternate wheel)	LBS SINGLE	5495	5785	6070	6355	6640	6910	7190	7460	7730	8000			S 9090 LBS at 130 PSI
	LBS DUAL	10450	11000	11550	12090	12630	13150	13680	14200	14720	15220			D 8270 LBS at 130 PSI*
	KG SINGLE	2490	2625	2755	2885	3010	3135	3260	3385	3505	3630			S 4125 KG at 900 kPa*
	KG DUAL	4740	4990	5240	5485	5730	5965	6205	6440	6675	6905			D 3750 KG at 900 kPa*
365/70R22.5 LRL XZA	LBS SINGLE		7350	7710	8070	8430	8780	9130	9480	9820	10200	10500		S 10500 LBS at 125 PSI
	KG SINGLE		3335	3495	3660	3825	3985	4140	4300	4455	4625	4750		S 4750 KG at 860 kPa

* When mounting the 315/80R22.5 LRL on an 8.25" wheel, do not load or inflate to the maximum load or inflation pressure indicated on the sidewall. The maximum load per tire for the 315/80R22.5 LRL, single mount on an 8.25" wheel, is 8000 lbs at 120 PSI (3630 kg at 830 kPa).

Wheel Diameter 24.5"	PSI	70	75	80	85	90	95	100	105	110	115	120	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	480	520	550	590	620	660	690	720	760	790	830	
11R24.5 LRG XZA3+ EVERTREAD XZE2	LBS SINGLE	4820	5070	5310	5550	5840	6095	6350	6610				S 6610 LBS at 105 PSI
	LBS DUAL	9320	9740	10140	10520	11020	11350	11680	12010				D 6005 LBS at 105 PSI
	KG SINGLE	2190	2300	2410	2520	2650	2770	2890	3000				S 3000 KG at 720 kPa
	KG DUAL	4220	4420	4600	4780	5000	5160	5320	5450				D 2725 KG at 720 kPa
11R24.5 LRH XZA3+ EVERTREAD XZE2	LBS SINGLE		5070	5310	5550	5840	6095	6350	6610	6790	6970	7160	S 7160 LBS at 120 PSI
	LBS DUAL		9740	10140	10520	11020	11350	11680	12010	12410	12810	13220	D 6610 LBS at 120 PSI
	KG SINGLE		2300	2410	2520	2650	2770	2890	3000	3080	3160	3250	S 3250 KG at 830 kPa
	KG DUAL		4420	4600	4780	5000	5160	5320	5450	5640	5820	6000	D 3000 KG at 830 kPa
275/80R24.5 LRG XZA3+ EVERTREAD XZE2	LBS SINGLE	4545	4770	4940	5210	5420	5675	5835	6040	6175			S 6175 LBS at 110 PSI
	LBS DUAL	8270	8680	9080	9480	9860	10410	10620	10990	11350			D 5675 LBS at 110 PSI
	KG SINGLE	2060	2160	2240	2360	2460	2575	2650	2740	2800			S 2800 KG at 760 kPa
	KG DUAL	3740	3940	4120	4300	4480	4720	4820	4980	5150			D 2575 KG at 760 kPa
275/80R24.5 LRH XZA3+ EVERTREAD	LBS SINGLE		4770	4940	5210	5420	5675	5835	6040	6175	6440	6780	S 6780 LBS at 120 PSI
	LBS DUAL		8680	9080	9480	9860	10410	10620	10990	11350	11720	12350	D 6175 LBS at 120 PSI
	KG SINGLE		2160	2240	2360	2460	2575	2650	2740	2800	2920	3075	S 3075 KG at 830 kPa
	KG DUAL		3940	4120	4300	4480	4720	4820	4980	5150	5320	5600	D 2800 KG at 830 kPa

RV FRONT AXLE OVERLOAD

275/70R22.5 LRJ – 7.00" and 8.25" Wheel, Max Speed 75 mph^(1,2)

The 275/70R22.5 MICHELIN® XZE²⁺ and MICHELIN® XZA2® ENERGY LRJ truck tires have a maximum single tire load of 6,940 lbs at 130 psi with a maximum speed rating of 75 mph⁽¹⁾. See Load and Inflation table below. Overloading the 275/70R22.5 LRJ tires (or any highway tire) and/or exceeding the speed rating of the tire is dangerous and may lead to tire failure.

7.50" or 8.25" Wheel, Max Speed 75 mph ^(1,2)	PSI	DESIGN MAXIMUM LOAD AND PRESSURE										PER AXLE END		PER TIRE	
		85	90	95	100	105	110	115	120	125	Single	Dual	Single	Dual	
		kPa	590	620	660	690	720	760	790	830	860	130	120	130	120
275/70R22.5 LRJ	LBS SINGLE	4940	5170	5400	5625	5850	6070	6290	6510	6730	6940		6940		
	LBS DUAL	9710	10160	10610	11050	11490	11930	12360	12790			12790		6395	
XZA2 ENERGY XZE2+	KG SINGLE	2240	2345	2450	2550	2655	2755	2855	2955	3055	3150		3150		
	KG DUAL	4405	4610	4815	5010	5210	5410	5605	5800			5800		2900	

295/60R22.5 LRJ – 9.00" Wheel, Max Speed 65 mph⁽¹⁾

The recommended alternative fitment is the 295/60R22.5 MICHELIN® XZA2® ENERGY, which is designed to be used on a 9.00 x 22.5" wheel and at a maximum speed of 65 mph⁽¹⁾.
(Note that the maximum load and pressure under these conditions match those indicated on the sidewall.)

9.00" Wheel, Max Speed 65 mph ^(1,2)	PSI	DESIGN MAXIMUM LOAD AND PRESSURE										PER AXLE END		PER TIRE	
		85	90	95	100	105	110	115	120	125	130	130	130	130	
		kPa	590	620	660	690	720	760	790	830	860	900	900	900	900
295/60R22.5 LRJ	LBS SINGLE	5260	5505	5750	5990	6230	6465	6700	6930	7160	7390		7390		
	LBS DUAL	9650	10100	10550	10990	11430	11860	12290	12720	13140	13560		6780		
XZA2 ENERGY	KG SINGLE	2385	2495	2610	2715	2825	2930	3040	3145	3230	3350		3350		
	KG DUAL	4375	4580	4785	4985	5185	5380	5575	5770	5940	6150		3075		

295/60R22.5 LRJ – 9.00" Wheel, Max Speed 75 mph⁽¹⁾

The maximum speed of the 295/60R22.5 MICHELIN® XZA2® ENERGY LRJ on a 9.00 x 22.5" wheel may be increased to 75 mph⁽¹⁾ by applying the following reduced load and pressure table.
(Note that the maximum load under these conditions is less than that indicated on the sidewall.)

9.00" Wheel, Max Speed 75 mph ^(1,2)	PSI	ADJUSTED MAXIMUM LOAD AND PRESSURE										PER AXLE END		PER TIRE	
		90	95	100	105	110	115	120	125	130	130	130	130		
		kPa	620	660	690	720	760	790	830	860	900	900	900	900	
295/60R22.5 LRJ	LBS SINGLE	5260	5505	5750	5990	6230	6465	6700	6930	7160		7160			
	LBS DUAL	9650	10100	10550	10990	11430	11860	12290	12720	13140		6570			
XZA2 ENERGY	KG SINGLE	2385	2495	2610	2715	2825	2930	3040	3145	3230		3230			
	KG DUAL	4375	4580	4785	4985	5185	5380	5575	5770	5940		2970			

295/60R22.5 LRJ – 8.25" Wheel, Max Speed 75 mph⁽¹⁾

In addition to running at 75 mph⁽¹⁾, the 295/60R22.5 MICHELIN® XZA2® ENERGY LRJ may be mounted on an 8.25 x 22.5" wheel by applying the following further reduced load and pressure table.

(Note that the maximum load and pressure under these conditions are less than that indicated on the sidewall.)

8.25" Wheel, Max Speed 75 mph ^(1,2)	PSI	ADJUSTED MAXIMUM LOAD AND PRESSURE										PER AXLE END		PER TIRE	
		70	75	80	85	90	95	100	105	110	115	120	120	120	120
		kPa	480	520	550	590	620	660	690	720	760	790	830	830	830
295/60R22.5 LRJ	LBS SINGLE	4300	4515	4675	4925	5125	5355	5520	5710	5840	6085	6175		6175	
	LBS DUAL	8080	8490	8820	8960	9330	9880	10050	10390	10710	11070	11350		5675	
XZA2 ENERGY	KG SINGLE	1950	2050	2120	2230	2330	2430	2500	2590	2650	2760	2800		2800	
	KG DUAL	3660	3860	4000	4060	4240	4480	4560	4720	4860	5020	5150		2575	

(1) Exceeding the legal speed limit is neither recommended nor endorsed.

(2) Matches maximum load and pressure indicated on tire sidewall

Load and inflation industry standards are in a constant state of change. Michelin continually updates its product information to reflect these changes.

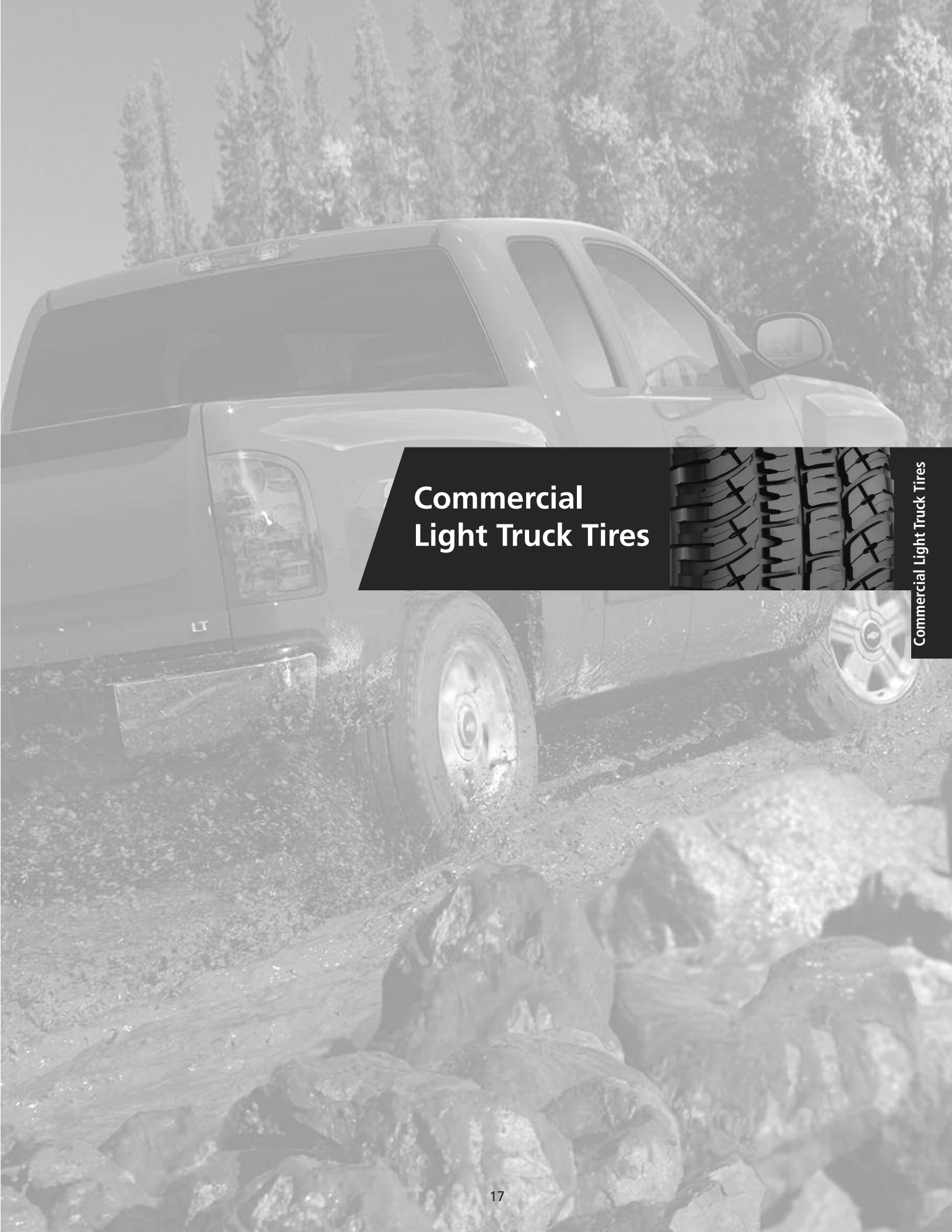
Therefore, printed material may not reflect the current load and inflation information.

Note: The actual load and inflation pressure used must not exceed the wheel manufacturer's maximum conditions.

Never exceed a wheel manufacturer's limits without permission of the component manufacturer.

Single configuration = 2 tires per axle. Dual configuration = 4 tires per axle. Loads are indicated per axle end for RV applications.

Always refer to the MICHELIN® Truck Tire Data Book (MWL40731) and MICHELIN® Truck Tire Service Manual (MWL40732) for proper tire selection, inflation and maintenance. Both manuals can be found at www.michelintruck.com > Reference Materials > Manuals, Bulletins, & Warranties.



Commercial Light Truck Tires

Commercial Light Truck Tires

MICHELIN® COMMERCIAL LIGHT TRUCK TIRE REFERENCE CHART

Size	Tread Name	Load Range (1)	Load Index	Speed Rating	Catalog Number	Tread Depth	Wheel Range	Max. Tire Load And Pressure Single				Max. Tire Load And Pressure Dual			
								lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
LT215/85R16	LTX A/T2	E	115/112	R	11565	16	5.5" - 7.0"	2680	80	1215	550	2470	80	1120	550
	LTX M/S2	E	115/112	R	02397	14	5.5" - 7.0"	2680	80	1215	550	2470	80	1120	550
	XPS RIB	E	115/112	Q	39510	15	5.5" - 7.0"	2680	80	1215	550	2470	80	1120	550
	XPS TRACTION	E	115/112	Q	35260	17	5.5" - 7.0"	2680	80	1215	550	2470	80	1120	550
LT225/75R16	LTX A/T2	E	115/112	R	94398	16	6.0" - 7.0"	2680	80	1215	550	2470	80	1120	550
	XPS RIB	E	115/112	Q	08404	14	6.0" - 7.0"	2680	80	1215	550	2470	80	1120	550
LT235/85R16	LTX A/T2	E	120/116	R	80300	16	6.0" - 7.5"	3042	80	1380	550	2778	80	1260	550
	LTX M/S2	E	120/116	R	27679	14	6.0" - 7.0"	3042	80	1380	550	2778	80	1260	550
	XPS RIB	E	120/116	Q	13080	15	6.0" - 7.0"	3042	80	1380	550	2778	80	1260	550
	XPS TRACTION	E	120/116	Q	36496	15	6.0" - 7.0"	3042	80	1380	550	2778	80	1260	550
LT245/75R16	LTX A/T2	E	120/116	R	08115	16	6.5" - 8.0"	3042	80	1380	550	2778	80	1260	550
	XPS RIB	E	120/116	Q	26848	15	6.5" - 8.0"	3042	80	1380	550	2778	80	1260	550
LT265/75R16	LTX A/T2	E	123/120	R	06924	16	7.0" - 8.0"	3415	80	1550	550	3085	80	1400	550
	LTX M/S ^v	E	123/120	R	23388	14	7.0" - 8.0"	3415	80	1550	550	3085	80	1400	550
LT235/80R17	LTX A/T2	E	120/117	R	01569	14.5	6.0" - 7.5"	3085	80	1400	550	2835	80	1285	550
	LTX M/S2	E	120/117	R	14157	14	6.0" - 7.5"	3085	80	1400	550	2835	80	1285	550
LT245/70R17	LTX M/S2	E	119/116	R	00644	14	6.5" - 8.0"	3000	80	1360	550	2755	80	1250	550
LT245/75R17	LTX M/S2	E	121/118	R	31733	14	6.0" - 7.5"	3195	80	1450	550	2910	80	1320	550
LT265/70R17	LTX M/S2	E	121/118	R	14221	14	7.0" - 8.5"	3195	80	1450	550	2910	80	1320	550
LT265/70R18	LTX A/T2	E	124/121	R	18801	14.5	7.0" - 9.0"	3525	80	3525	80	1600	550	3195	80
LT275/70R18	LTX A/T2	E	125/122	R	29367	14.5	7.0" - 8.5"	3640	80	3604	80	1655	550	3305	80

(1) A letter entry indicates the load range(s) in which Michelin markets a particular tread design and size.

LIGHT TRUCK TIRE WARRANTY STANDARD LIMITED WARRANTY WHAT'S COVERED

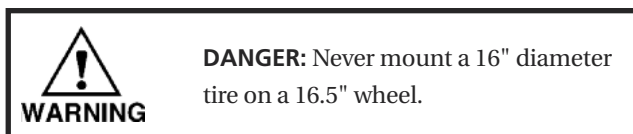
All MICHELIN® Light Truck Tires have a Standard Manufacturer's Limited Warranty, which covers defects in workmanship and materials for the life of the original usable tread, or for 6 years from date of purchase, whichever occurs first. See Tire Dealer for details.

The owner's manual/limited warranty booklet also includes an additional limited warranty for tread life or mileage.

NOTES AND WARNING

NOTE: All comparisons are between MICHELIN tires within this category.

- (1) Sizes listed do not include P-metric and floatation dimensions. For full range of products refer to "MICHELIN® Data Book" No. MDL41080.
- (2) Exceeding the lawful speed limit is neither recommended nor endorsed.
- (3) Tire section widths and overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.
- (4) Range of approved wheel widths. For specific wheel profiles and measuring wheel, refer to "MICHELIN® Data Book" No. MDL41780.



WARNING: Serious or fatal injury may result from tire failure due to underinflation/overinflation/overloading. To ensure correct pressure and vehicle load, refer to vehicle owner's manual or tire information placard in the vehicle. Serious injury or death may result from explosion of tire/wheel assembly due to improper mounting. Only tire professionals should mount tires, and they should never inflate beyond 40 psi to seat the beads. See Tire Dealer for proper mounting. Before mixing types of tires in any configuration on any vehicle, be sure to check the vehicle owner's manual for recommendations.

MICHELIN® tires and tubes are subject to a continuous development program. Michelin North America, Inc. reserves the right to change product specifications at any time without notice or obligation.



MICHELIN® LTX® A/T2 tires provide excellent off-road traction and durability with uncompromising on-road comfort and handling

- Excellent Off-Road Traction – MICHELIN Biting Edges™ - notched blocks in the tread pattern - dig into nearly any surface for better off-road traction on dirt, mud, gravel, and wet grass
- MICHELIN® Comfort Control Technology™ uses computer-optimized design and precision manufacturing to offer greatly reduced vibrations and road noise
- The optimized contact patch shape, provided by MaxTouch Construction™, helps deliver exceptionally long tire life under the toughest conditions
- 60,000-Mile Limited Warranty⁽²⁾



Size ⁽¹⁾	Load Range	Catalog Number	Tread Depth 32nds	Overall Width ⁽¹⁾			Load/Speed Rating	Overall Diameter		Wheel Width Range ⁽¹⁾	Min. Dual Spacing		Revs Per Mile (at 45 mph)	Max. Tire Load Single				Max. Tire Load Dual			
				in	mm	wheel		in	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
LT215/85R16	E	11565	16	8.5	216	6.0"	115/112R	30.4	772	5.5" - 7.0"	10.3	262	684	2680	80	1215	550	2470	80	1120	550
LT225/75R16	E	94398	16	8.8	223	6.0"	115/112R	29.3	744	6.0" - 7.0"	10.2	259	710	2680	80	1215	550	2470	80	1120	550
LT235/85R16	E	80300	16	9.3	236	6.5"	120/116R	31.7	806	6.0" - 7.5"	10.8	273	656	3042	80	1380	550	2778	80	1260	550
LT245/75R16	E	08115	16	9.8	248	7.0"	120/116R	30.5	774	6.5" - 8.0"	11.3	288	683	3042	80	1380	550	2778	80	1260	550
LT265/75R16	E	06924	16	10.5	267	7.5"	123/120R	31.7	804	7.0" - 8.0"	12.4	315	657	3415	80	1550	550	3085	80	1400	550
LT235/80R17 ⁽³⁾	E	01569	14.5	9.3	236	6.5"	120/117R	31.8	808	6.0" - 7.5"	10.8	273	654	3085	80	1400	550	2835	80	1285	550
LT265/70R18	E	18801	14.5	10.2	259	8.0"	124/121R	32.7	831	7.0" - 9.0"	12.4	316	637	3525	80	1600	550	3195	80	1450	550
LT275/70R18	E	29367	14.5	11.2	284	8.0"	125/122R	33.2	843	7.0" - 8.5"	12.8	324	628	3640	80	1655	550	3305	80	1500	550

(1) See Warranty, Notes and Warning on Page 18.
 (2) See Michelin Owner's Manual for details.
 (3) Tread design not shown.

Commercial Light Truck Tires



MICHELIN® LTX® M/S2 tires offer an exceptional combination of enhanced performances in wet and snow traction, as well as durability

- Special rubber compounds and improved lateral water evacuation for shorter stopping distances.
- Better snow traction than the legendary MICHELIN® LTX® M/S tire. Greater density of full-depth 3D Active Sipes allow 8% more biting edges than its predecessor for improved grip in snow
- The new 3D Active Sipes and optimized contact patch of MaxTouch Construction™ combine to deliver more miles
- 70,000-Mile Limited Warranty⁽²⁾



Size ⁽¹⁾	Load Range	Catalog Number	Tread Depth 32nds	Overall Width ⁽¹⁾			Load/Speed Rating	Overall Diameter		Wheel Width Range ⁽¹⁾	Min. Dual Spacing		Revs Per Mile (at 45 mph)	Max. Tire Load Single				Max. Tire Load Dual			
				in	mm	wheel		in	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
LT215/85R16	E	02397	13.5	8.5	216	6.0"	115/112R	30.4	772	5.5" - 7.0"	9.9	251	684	2680	80	1215	550	2470	80	1120	550
LT235/85R16	E	27679	13.5	9.3	236	6.5"	120/116R	31.7	805	6.0" - 7.5"	10.8	274	656	3042	80	1380	550	2778	80	1260	550
LT265/75R16	E	23388	13.5	10.5	267	7.5"	123/120R	31.7	805	7.0" - 8.0"	12.4	315	657	3415	80	1550	550	3085	80	1400	550
LT235/80R17	E	14157	13.5	9.3	236	6.5"	120/117R	31.8	808	6.0" - 7.5"	10.8	273	654	3085	80	1400	550	2835	80	1285	550
LT245/70R17	E	00644	13.5	9.8	249	7.0"	119/116R	30.6	776	6.5" - 8.0"	11.3	288	681	3000	80	1360	550	2755	80	1250	550
LT245/75R17	E	31733	13.5	9.8	249	7.0"	121/118R	31.5	800	6.0" - 7.5"	11.3	288	660	3195	80	1450	550	2910	80	1320	550
LT265/70R17	E	14221	13.5	10.7	272	8.0"	121/118R	31.7	804	7.0" - 8.5"	12.4	316	657	3195	80	1450	550	2910	80	1320	550

(1) See Warranty, Notes and Warning on Page 18.
 (2) See Michelin Owner's Manual for details.

MICHELIN® tires and tubes are subject to a continuous development program. Michelin North America, Inc. reserves the right to change product specifications at any time without notice or obligations. Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



MICHELIN® XPS® RIB tires offer long wear life with steel casing strength and retreadability

- Tread compounds specifically developed for commercial applications help tires last longer so your business dollars go farther
- Steel casing adds strength and allows retreading to greatly extend the life of the tire and keep it on the job
- 60,000-Mile Limited Warranty⁽²⁾



Size ⁽¹⁾	Load Range	Catalog Number	Tread Depth 32nds	Overall Width ⁽¹⁾			Load/Speed Rating	Overall Diameter		Approved Wheels ⁽¹⁾ (Measuring wheel listed first.)	Min. Dual Spacing		Revs Per Mile (at 45 mph)	Max. Tire Load Single				Max. Tire Load Dual			
				in	mm	wheel		in	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
LT215/85R16	E	39510	15	8.9	225	6.0"	115/112/Q	30.5	775	6.00, 5.50, 7.00	9.9	251	681	2680	80	1215	550	2470	80	1120	550
LT225/75R16	E	08404	14	9.0	229	6.0"	115/112/Q	29.4	746	6.50, 6.00, 7.00	10.4	264	706	2680	80	1215	550	2470	80	1120	550
LT235/85R16	E	13080	15	9.7	246	7.0"	120/116/Q	32.2	818	6.00, 7.00	10.6	269	655	3042	80	1380	550	2778	80	1260	550
LT245/75R16	E	26848	15	9.6	244	7.0"	120/116/Q	30.6	777	7.00, 6.50, 8.00	11.3	288	676	3042	80	1380	550	2778	80	1260	550

(1) See Warranty, Notes and Warning on Page 18.
 (2) See Michelin Owner's Manual for details.

Commercial Light Truck Tires



MICHELIN® XPS® TRACTION tires offer extreme off-road traction with steel casing puncture resistance and retreadability

- An aggressive tread design and anti-chip compound help provide the off-road traction needed on gravel and rocky terrain
- Steel casing adds strength and allows retreading to greatly extend the life of the tire and keep it on the job
- 50,000-Mile Limited Warranty⁽²⁾



Size ⁽¹⁾	Load Range	Catalog Number	Tread Depth 32nds	Overall Width ⁽¹⁾			Load/Speed Rating	Overall Diameter		Approved Wheels ⁽¹⁾ (Measuring wheel listed first.)	Min. Dual Spacing		Revs Per Mile (at 45 mph)	Max. Tire Load Single				Max. Tire Load Dual			
				in	mm	wheel		in	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
LT215/85R16	E	35260	17	8.8	224	6.0"	115/112/Q	30.7	780	6.00, 5.50, 7.00	9.9	251	681	2680	80	1215	550	2470	80	1120	550
LT235/85R16	E	36496	15	9.6	245	6.5"	120/116/Q	32.0	813	6.50, 6.00, 7.00	10.8	274	655	3042	80	1380	550	2778	80	1260	550

(1) See Warranty, Notes and Warning on Page 18.
 (2) See Michelin Owner's Manual for details.

MICHELIN INFLATION CHARTS FOR LIGHT TRUCK TIRES

To select the proper load and inflation table, locate your tire size in the following pages, then match your tire's sidewall markings to the table with the same sidewall markings. If your tire's sidewall markings do not match any table listed, please contact your MICHELIN® dealer for the applicable load and inflation table.

Industry load and inflation standards are in a constant state of change, and Michelin continually updates its product information to reflect these changes. Printed material may not reflect the latest load and inflation standards.

Note: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 16"	PSI	35	40	45	50	55	60	65	70	75	80	MAX LOAD & PRESSURE ON SIDEWALL	
	kPa	250	280	310	350	380	410	450	480	520	550		
LT215/85R16 LRE	LBS SINGLE	2990	3280	3570	3880	4100	4360	4670	4860	5100	5360	S	2680 LBS at 80 PSI
	LBS DUAL	5440	5960	6500	7060	7460	7940	8600	8840	9280	9880	D	2470 LBS at 80 PSI
LTX A/T2 LTX M/S2 XPS RIB XPS TRACTION	KG SINGLE	1356	1488	1619	1760	1864	1978	2118	2204	2313	2430	S	1215 KG at 550 kPa
	KG DUAL	2468	2703	2948	3202	3378	3602	3901	4010	4209	4480	D	1120 KG at 550 kPa
LT225/75R16 LRE	LBS SINGLE		3300	3580	3880	4120	4380	4670	4880	5120	5360	S	2680 LBS at 80 PSI
	LBS DUAL		6000	6520	7060	7500	7980	8600	8880	9320	9880	D	2470 LBS at 80 PSI
LTX A/T2 XPS RIB	KG SINGLE		1497	1624	1760	1869	1987	2118	2214	2322	2431	S	1215 KG at 550 kPa
	KG DUAL		2722	2957	3202	3402	3620	3901	4028	4228	4482S	D	1120 KG at 550 kPa
LT235/85R16 LRE	LBS SINGLE	3480	3725	3970	4410	4630	4850	5246	5510	5820	6084	S	3042 LBS at 80 PSI
	LBS DUAL	6340	6780	7220	8024	8422	8820	9524	10028	10592	11112	D	2778 LBS at 80 PSI
LTX A/T2 LTX M/S2 XPS RIB XPS TRACTION	KG SINGLE	1580	1690	1800	2000	2100	2200	2380	2500	2640	2760	S	1380 KG at 550 kPa
	KG DUAL	2880	3080	3280	3640	3820	4000	4320	4540	4800	5040	D	1260 KG at 550 kPa
LT245/75R16 LRE	LBS SINGLE	3400	3730	4060	4410	4670	4960	5250	5530	5800	6084	S	3042 LBS at 80 PSI
	LBS DUAL	6180	6780	7380	8024	8500	9020	9525	10060	10560	11112	D	2778 LBS at 80 PSI
LTX A/T2 XPS RIB	KG SINGLE	1580	1690	1840	2000	2120	2250	2380	2510	2630	2760	S	1380 KG at 550 kPa
	KG DUAL	2880	33075	3350	3640	3855	4090	4320	4560	4790	5040	D	1260 KG at 550 kPa
LT265/75R16 LRE	LBS SINGLE	3820	4200	4560	4940	5250	5580	6000	6210	6520	6830	S	3415 LBS at 80 PSI
	LBS DUAL	6960	7640	8300	9080	9560	10160	11020	11300	11860	12340	D	3085 LBS at 80 PSI
LTX A/T2 LTX M/S2	KG SINGLE	1780	1905	2070	2240	2380	2530	2720	2815	2960	3100	S	1550 KG at 550 kPa
	KG DUAL	3240	3465	3765	4120	4340	4610	5000	5125	5380	5600	D	1400 KG at 550 kPa

MICHELIN INFLATION CHARTS FOR LIGHT TRUCK TIRES

To select the proper load and inflation table, locate your tire size in the following pages, then match your tire's sidewall markings to the table with the same sidewall markings. If your tire's sidewall markings do not match any table listed, please contact your MICHELIN® dealer for the applicable load and inflation table.

Industry load and inflation standards are in a constant state of change, and Michelin continually updates its product information to reflect these changes. Printed material may not reflect the latest load and inflation standards.

Note: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 17"	PSI	35	40	45	50	55	60	65	70	75	80	MAX LOAD & PRESSURE ON SIDEWALL	
	kPa	250	280	310	350	380	410	450	480	520	550		
LT235/80R17 LRE LTX A/T2 LTX M/S2	LBS SINGLE	3450	3790	4110	4540	4740	5030	5360	5610	5880	6170	S	3085 LBS at 80 PSI
	LBS DUAL	6280	6900	7480	8160	8620	9160	9880	10220	10700	11340	D	2835 LBS at 80 PSI
	KG SINGLE	1600	1720	1865	2060	2150	2281	2430	2545	2670	2800	S	1400 KG at 550 kPa
	KG DUAL	2920	3130	3390	3700	3910	4155	4480	4635	4855	5140	D	1285 KG at 550 kPa
LT245/75R17 LRE LTX M/S2	LBS SINGLE	3540	3890	4220	4540	4860	5160	5510	5750	6040	6170	S	3195 LBS at 80 PSI
	LBS DUAL	6440	7080	7680	8160	8840	9400	10140	10460	11000	11340	D	2910 LBS at 80 PSI
	KG SINGLE	1650	1765	1915	2060	2205	2340	2500	2608	2740	2900	S	1450 KG at 550 kPa
	KG DUAL	3000	3210	3485	3700	4010	4265	4600	4745	4990	5280	D	1320 KG at 550 kPa
LT265/70R17 LRE LTX A/T2 LTX M/S2	LBS SINGLE	3780	4150	4510	4940	5190	5520	5820	6010	6200	6390	S	3195 LBS at 80 PSI
	LBS DUAL	6880	7560	8200	9080	9440	10040	10720	10940	11280	11640	D	2910 LBS at 80 PSI
	KG SINGLE	1760	1880	2044	2240	2360	2500	2640	2730	2800	2900	S	1450 KG at 550 kPa
	KG DUAL	3200	3440	3720	4120	4280	4560	4860	4960	5120	5280	D	1320 KG at 550 kPa

Wheel Diameter 18"	PSI	35	40	45	50	55	60	65	70	75	80	MAX LOAD & PRESSURE ON SIDEWALL	
	kPa	250	280	310	350	380	410	450	480	520	550		
LT265/70R18 LRE LTX A/T2	LBS SINGLE	3920	4310	4680	5070	5380	5720	6170	6370	6690	7050	S	3525 lbs at 80 PSI
	LBS DUAL	7140	7840	8520	9340	9800	10420	11340	11600	12180	12780	D	3195 lbs at 80 PSI
	KG SINGLE	1780	1960	2130	2305	2445	2600	2805	2895	3040	3200	S	1600 kg at 550 kPa
	KG DUAL	3245	3565	3875	4245	4455	4735	5155	5275	5535	5800	D	1450 kg at 550 kPa
LT275/70R18 LRE LTX A/T2	LBS SINGLE	4140	4540	4940	5360	5680	6040	6390	6720	7060	7280	S	3640 lbs at 80 PSI
	LBS DUAL	7540	8260	9000	9880	10340	11000	11640	12240	12840	13220	D	3305 lbs at 80 PSI
	KG SINGLE	1880	2065	2245	2435	2580	2745	2905	3055	3210	3310	S	1655 kg at 550 kPa
	KG DUAL	3430	3755	4090	4490	4700	5000	5290	5565	5835	6000	D	1500 kg at 550 kPa



Truck Tires



Truck Tires

PRODUCT NAMING AND SEGMENTATION

The specific tread design used should only be considered after the vehicle type and user vocation has been examined. There are several categories of tire service applications:

SEGMENT	APPLICATION NAME	PICTOGRAMS	APPLICATIONS	VOCATIONS
Line Haul	A X [®] LINE™		Heavy loads and high speeds for extended periods of time. Primarily interstate or divided highway.	• Truckload Carrier
Regional	E X [®] MULTI™		Regional is medium to heavy loads, frequently on 2-lane roads. Vehicles generally return to home base at night. Emerging Super Regional application combines driving conditions seen in Line Haul and Regional applications.	• LTL Dry Van • Parcel • Food & Beverage • Pick-up & Delivery
On/Off Road	Y X [®] WORKS™		Heavy loads and slower speeds, operating on a mixture of improved secondary and aggressive road surface.	• Construction and Mining
Off Road	L X [®] FORCE™		Very heavy loads normally on poor or unimproved surfaces. ⁽²⁾	• Forestry and Logging • Oil Field
Urban	U X [®] INCITY™		Stop-and-go delivery ... service within a limited radius – metro and suburban.	• Urban Buses • Sanitation and Refuse
Coach and Recreational	X [®] COACH™		Buses and recreational vehicles	• Buses • RV

D = Drive Positions, T = Trailer Positions, Z = All-Wheel Positions

(1) A, E, Y, L, U = Traditional Application Designations. X[®] LINE™, X[®] MULTI™, X[®] WORKS™, X[®] FORCE™, X[®] INCITY™, X[®] COACH™ = New Application Designations. Michelin will progressively replace the traditional application designations with the new ones.

(2) Off Road Tires can also be used On Road if DOT is present.

PROPER APPLICATION OF URBAN TIRES

U or X[®] INCITY™ (*)

The tires with the “U” or “X[®] INCITY™” designation are designed and optimized for **urban applications** and should not be used in non-urban applications including but not limited to, line haul and RV/motorhomes/coaches. These aforementioned applications may subject the tires to

continuous use over an extended period of time. This could lead to heat build up and may cause the tire to fail prematurely and/or suddenly.

Always refer to this MICHELIN Truck Tire Data Book and match the tire to the application when making tire selections.

PROPER APPLICATION OF ON/OFF ROAD TIRES

Y or X[®] WORKS™ and L or X[®] FORCE™ (*)

The tires with “Y” or “X[®] WORKS™” and “L” or “X[®] FORCE™” in the tread designations are designed and optimized for on/off road applications and are speed restricted. These tires should not be used in applications that operate the tires continuously on highway over an extended period of time or at speeds that exceed the speed rating of the tire. This could lead to heat build up and cause premature or sudden tire failure.

Tires with the “Y” or “X[®] WORKS™” designation are for applications expected to be 80% On-road use and 20% Off-road use. They have a maximum speed of 65 mph.

Tires with the “L” or “X[®] FORCE™” designation are for applications expected to be 20% On-road use and 80% Off-road use. Some of the “L” or “X[®] FORCE™” designated tires have a maximum speed of 50 mph while others have maximum speeds of 55, 60 and of 70 mph.

The Tire and Rim Association (TRA) permits operating a 65 mph rated tire at higher speeds with a reduced load and increased inflation. No such permission is granted by TRA for tires with speed rating below 65 mph.

Always refer to this MICHELIN Truck Tire Data Book and match the tire to the application when making tire selections.

* Michelin will progressively replace the traditional application designations “U”, “Y”, or “L” with new application designations X[®] INCITY™, X[®] WORKS™ and X[®] FORCE™.

PRODUCT AVAILABILITY — LINE HAUL



SIZE	LOAD RANGE	TREAD NAME	SMARTWAY® VERIFIED	CATALOG NUMBER	TREAD DEPTH 32ND	WHEEL POSITION			DIRECTIONAL	RV USE
						AWP	DRIVE	TRAILER		
10.00R15	J	XTA		70667	14			■		
215/75R17.5	J	XTA		82636	15			■		
245/70R17.5	J	XTA2 ENERGY		78370	13			■		
225/70R19.5	F	XRV		58916	13	■				■
245/70R19.5	F	XRV		67140	14	■				■
265/70R19.5	H	X LINE ENERGY T		40936	13			■		
445/45R19.5	M	XTA2+ ENERGY (wb)		21329	16			■		
11R22.5	G	X LINE ENERGY D	■	35887	23		■			
	G	X LINE ENERGY T	■	92005	12			■		
	G	XDA5+		14003	30		■			
	G	XDN2		72805	27		■			
	G	XZA3+ EVERTREAD	■	25041	19	■			■	■
	H	XDN2		64321	27		■			
	H	XZA3+ EVERTREAD	■	38479	19	■			■	■
12R22.5	H	XDN2		51753	27		■			
235/80R22.5	G	XRV		87511	16	■				■
255/70R22.5	H	XD2		74493	25		■			
255/80R22.5	G	XRV		59634	16	■				■
275/70R22.5	J	XZA2 ENERGY	■	90059	18	■				■
275/80R22.5	G	X LINE ENERGY D	■	36859	23		■			
	G	X LINE ENERGY T	■	92052	12			■		
	G	XDA ENERGY	■	42564	26		■			
	G	XDA5+		61310	30		■			
	G	XDN2		63465	27		■			
	G	XZA3+ EVERTREAD	■	26413	19	■			■	■
	H	XZA3+ EVERTREAD	■	39174	19	■			■	■
295/60R22.5	J	XZA2 ENERGY	■	33215	16	■				■
295/80R22.5	H	XZA2 ENERGY	■	76807	16	■				■
	H	X COACH HL Z		31078	18	■				
305/70R22.5	L	XRV		93499	16	■				■
315/80R22.5	L	XDN2 GRIP		04355	28		■		■	
	L	XZA1		47056	18	■				■
	L	XZA2 ENERGY	■	76184	17	■				■
365/70R22.5	L	XZA		52215	19	■				■
445/50R22.5	L	X ONE LINE ENERGY D	■	96678	24		■		■	
	L	X ONE LINE ENERGY T	■	84085	13			■		
	L	X ONE MULTI ENERGY T	■	33836	16			■	■	
	L	X ONE XDN2	■	36587	27		■			
455/55R22.5	L	X ONE MULTI ENERGY T (1)	■	47798	16			■	■	
	L	X ONE XDN2	■	31535	27		■			
11R24.5	G	X LINE ENERGY D	■	36069	23		■			
	G	XDA5+		63702	30		■			
	G	XDN2		87459	27		■			
	G	XZA3+ EVERTREAD	■	27983	19	■			■	■
	H	XZA3+ EVERTREAD	■	06813	19	■			■	■
	H	X LINE ENERGY T	■	92448	12			■		
	H	XDA5+		97973	30		■			
275/80R24.5	G	X LINE ENERGY D	■	36992	23		■			
	G	X LINE ENERGY T	■	92981	12			■		
	G	XDA5+		01376	30		■			
	G	XDN2		75684	27		■			
	G	XZA3+ EVERTREAD	■	28791	19	■			■	■
	H	XZA3+ EVERTREAD	■	61185	19	■			■	■
305/75R24.5	J	XDA5		30987	30		■			

(1) Available 2nd Quarter 2015.

PRODUCT AVAILABILITY — REGIONAL



SIZE	LOAD RANGE	TREAD NAME	SMARTWAY® VERIFIED	CATALOG NUMBER	TREAD DEPTH 32ND	WHEEL POSITION			DIRECTIONAL	RV USE
						AWP	DRIVE	TRAILER		
10R17.5	G	XZA		05008	16	■				■
215/75R17.5	G	XZE2		19502	16	■				
235/75R17.5	J	XTE2		01963	15			■		
225/70R19.5	F	XDS2		91423	18		■			
	F	XZE		81473	17	■				■
	G	XDS2		00691	18		■			
	G	XZE		91043	17	■				■
245/70R19.5	H	XDS2		05797	19		■			
	H	XZE		75997	18	■				■
265/70R19.5	G	XDE2+		95319	20		■		■	
	G	XZE2+		46194	17	■				
285/70R19.5	H	XDE2+		79456	21		■		■	
	H	XZE2+		68419	18	■				
	J	XTE2		37840	18			■		
305/70R19.5	J	XZA		50505	18	■				
10R22.5	G	XDE M/S		87357	23		■			
	G	XZE		99141	21	■				■
11R22.5	G	X MULTI ENERGY D	■	58300	24		■			
	G	X MULTI ENERGY Z	■	59190	20		■		■	
	G	XDE M/S		73493	26		■			
	G	XTE		21307	16			■		
	G	XZE 2		78390	22	■				■
	H	X MULTI ENERGY Z	■	03168	20		■		■	
	H	XDE M/S ☼ (1)		73927	28		■			
	H	XDS2		05359	26		■		■	
12R22.5	H	XDS		62208	26		■		■	
	H	XZE ☼ (1)		85335	22	■				■
235/80R22.5	G	XZE		68749	19	■				■
255/70R22.5	H	XZE ☼ (1)		61737	18	■				■
255/80R22.5	G	XZE		94390	20	■				■
275/70R22.5	J	XZE2+		78395	19	■				■
275/80R22.5	G	X MULTI ENERGY D	■	63049	24		■			
	G	XDE M/S		61426	26		■			
	G	XTE		17706	16			■		
	G	XZE 2		55895	22	■				■
	H	X MULTI ENERGY Z	■	26902	20	■			■	
	H	XZE		01637	22	■				■
295/60R22.5	J	X MULTIWAY XD		06376	23		■		■	■
	H	X MULTIWAY 3D XZE		07719	19	■				
385/55R22.5	L	X MULTI T		33359	16			■		
11R24.5	G	XDE M/S		51273	26		■			
	G	XTE		07025	16			■		
	G	XZE 2		91867	22	■				■
	H	X MULTI ENERGY D	■	61739	24		■			
	H	XDE M/S ☼ (1)		46695	28		■			
	H	XDS2		06613	25		■		■	
275/80R24.5	G	XTE		33965	16			■		
	G	XZE 2		75519	22	■				■
305/75R24.5	J	XZE2		67251	22	■				

Truck Tires

(1) ☼Cut & chip resistant tread compound

PRODUCT AVAILABILITY — ON/OFF ROAD AND SPECIALTY TIRES



SIZE	LOAD RANGE	TREAD NAME	CATALOG NUMBER	TREAD DEPTH 32ND	WHEEL POSITION				DIRECTIONAL
					AWP	STEER	DRIVE	TRAILER	
325/85R16	D	XML	37984	21	■				
14.00R20	M	XZL	59177	29	■				
16.00R20	M	XZL	06306	34	■				
395/85R20	G	XML	99131	30	■				
	J	XZL	56389	28	■				
	J	XZL	54331	33	■				
	J	XZL+	94675	26	■				
24R20.5	H	X5	23002	21	■				
24R21	H	XZL	76025	31	■				
11R22.5	G	XZY3	84455	24	■				
	H	X WORKS XDY	89725	30			■		■
	L	XDY3	97079	31			■		
	H	XZY3	80927	24	■				
12R22.5	H	XZY3	47947	24	■				
275/70R22.5	J	XTY2	42407	21				■	
315/80R22.5	L	X WORKS XDY	55576	28			■		■
	L	XZY3	40200	23	■				
385/65R22.5	J	XZY3 (wb)	53779	22	■				
	L	XFE (wb) (Steer)	36991	21		■			
425/65R22.5	L	XFE (wb) (Steer)	11829	21		■			
	L	XZL (wb)	53254	26	■				
	L	XZY3 (wb)	40321	23	■				
445/65R22.5	L	XZL (wb)	84103	27	■				
	L	XZY3 (wb)	83691	23	■				
	L	XFE (wb) (Steer)	10805	21		■			
455/55R22.5	M	X ONE XZY3	11629	23	■				
12.00R24	H	XZY	29163	23	■				
	J	XDL	30049	38			■		
11R24.5	G	XZY3	47945	24	■				
	H	X WORKS XDY	90022	30			■		■
	H	XDY-EX2	23274	32			■		
	H	XDY3	47962	31			■		
	H	XZY3	79250	24	■				
12R24.5	H	XZY3	47951	24	■				

Truck Tires

PRODUCT AVAILABILITY — URBAN



SIZE	LOAD RANGE	TREAD NAME	CATALOG NUMBER	TREAD DEPTH 32ND	WHEEL POSITION				DIRECTIONAL
					AWP	STEER	DRIVE	TRAILER	
11R22.5	H	XZU3	32873	25	■				
275/70R22.5	J	X INCITY Z	59714	21	■				
305/70R22.5	L	X INCITY Z	30255	22	■				
305/85R22.5	J	X INCITY Z	36530	24	■				
315/80R22.5	L	XZU S2	77510	23	■				
425/65R22.5	L	XZU S (wb)	03785	23	■				
455/55R22.5	M	X ONE XZU S	28513	23	■				



← Directional tread

Next generation ultra-fuel-efficient⁽¹⁾ radial that delivers our longest original tread life in line haul steer service.

- Even wear to the end of tread life due to directional miniature sipes in the groove walls (directional to half life)
- Longest mileage without compromising fuel efficiency⁽¹⁾ with the patented Dual Compound Tread
- Maximum retreadability backed up with a 3-Retread Manufacturing Limited Casing Warranty: 3 retreads or 700,000 miles or 7 years⁽²⁾ for MICHELIN® XZA3®+ EVERTREAD® tires when retreaded by an authorized Michelin Retread Technologies (MRT) Dealer
- Optimum handling and responsiveness due to a wide, flat tread
- Excellent casing protection from bruising and penetrations with a full-width, elastic protector ply



7 Year

7 YEAR 700,000-MILE
3-RETREAD LIMITED WARRANTY (3)

**SmartWay®
Verified**

LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)		Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R22.5 (3)	G	25041	19	75	19.3	489	41.3	1048	11.1	282	8.25, 7.50	12.5	318	502	6175	105	2800	720	5840	105	2650	720	
11R22.5 (3)	H	38479	19	75	19.1	485	41.3	1049	11.2	284	8.25, 7.50	12.5	318	503	6610	120	3000	830	6005	120	2725	830	
275/80R22.5 (3)	G	26413	19	75	18.6	473	40.1	1018	10.9	277	8.25, 7.50	12.2	311	518	6175	110	2800	760	5675	110	2575	760	
275/80R22.5 (3)	H	39174	19	75	18.7	474	40.1	1018	10.9	278	8.25, 7.50	12.2	311	518	7160	120	3250	830	6610	120	3000	830	
11R24.5 (3)	G	27983	19	75	20.2	513	43.3	1099	11.1	282	8.25, 7.50	12.5	318	479	6610	105	3000	720	6005	105	2725	720	
11R24.5 (3)	H	06813	19	75	20.2	513	43.3	1099	11.1	282	8.25, 7.50	12.5	318	479	7160	120	3250	830	6610	120	3000	830	
275/80R24.5 (3)	G	28791	19	75	19.3	491	41.3	1049	10.7	272	8.25, 7.50	12.2	311	501	6175	110	2800	760	5675	110	2575	760	
275/80R24.5 (3)	H	61185	19	75	19.3	491	41.3	1049	10.7	272	8.25, 7.50	12.2	311	501	6780	120	3075	830	6175	120	2800	830	

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) 7/7/3 Manufacturer's Limited Casing Warranty: 7 Year or 700,000 Mile or 3-Retread Limited Warranty for MICHELIN® XZA3®+ EVERTREAD® tire when retreaded by an authorized Michelin Retread Technologies (MRT) Dealer only. See limited warranty for details.
 (3) Directional tread design.



Fuel-efficient⁽¹⁾, all-position radial designed for long life in highway steer axle service

- Advanced Technology™ Compounding helps reduce rolling resistance promoting low fuel consumption⁽¹⁾ in balance with mileage, durability and casing endurance
- Over 7,000 trapezoidal micro sipes on groove edges help break water surface tension to promote traction on wet and slippery surfaces
- Original shoulder groove design offers enhanced resistance to uneven shoulder wear



Truck Tires
Steer / All-position Tires

LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
365/70R22.5	L	52215	19	75	19.6	497	42.5	1080	14.3	363	10.50	490	10500	125	4750	860

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Fuel-efficient⁽³⁾, all-position radial designed for long life in highway steer axle service⁽⁴⁾

- Unique intermediate rib design helps combat the onset of irregular wear in highway service
- Exceptional handling and responsiveness through optimized shoulder design
- Traction and lateral control offered by miniature sipes and variable groove angles



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
					in.	mm	in.	mm	in.	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
275/70R22.5 ^(1,5)	J	90059	18	75	17.6	448	38.0	966	10.9	277	7.50, 8.25	11.9	303	545	6940	130	3150	900	6395	120	2900	830
295/60R22.5 ⁽²⁾	J	33215	16	65	16.7	424	36.1	918	11.4	290	9.00 ⁽⁶⁾	13.0	329	575	7390	130	3350	900	6780	130	3075	900
295/80R22.5 ⁽¹⁾	H	76807	16	75	19.1	486	41.3	1048	11.8	299	9.00, 8.25	13.2	335	503	7830	120	3550	830	6940	120	3150	830
315/80R22.5 ⁽¹⁾	L	76184	17	75	19.5	496	42.3	1074	12.5	318	9.00, 8.25 ⁽⁷⁾	13.8	351	492	9090	130	4125	900	8270	130	3750	900

- (1, 2) Tread design as indicated above the tire picture.
 (3) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (4) "No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels." US Code of Federal Regulations: Title 49, Transportation; Part 393.75.
 (5) For more information about Front Axle Overload on Auto Hauler, see Page 94.
 (6) For further instructions on proper usage of the 295/60R22.5, see Page 95.
 (7) For use with 8.25 x 22.5 wheels, see Page 93.



Even-wearing, all-position tire optimized for heavy axle loads in highway and limited regional service⁽¹⁾

- Miniature sipes in groove walls and variable groove angles help reduce irregular wear and improve overall performance
- Full-width elastic protector ply helps protect the working plies from bruising and penetrations
- Flat crown radius helps enhance wear and treadlife



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
					in.	mm	in.	mm	in.	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
315/80R22.5	L	47056	18	75	19.6	499	42.5	1079	12.5	317	9.00, 8.25 ⁽²⁾	13.8	351	489	9090	130	4125	900	8270	130	3750	900

- (1) "No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels." US Code of Federal Regulations: Title 49, Transportation; Part 393.75.
 (2) For use with 8.25 x 22.5 wheels, see Page 93.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

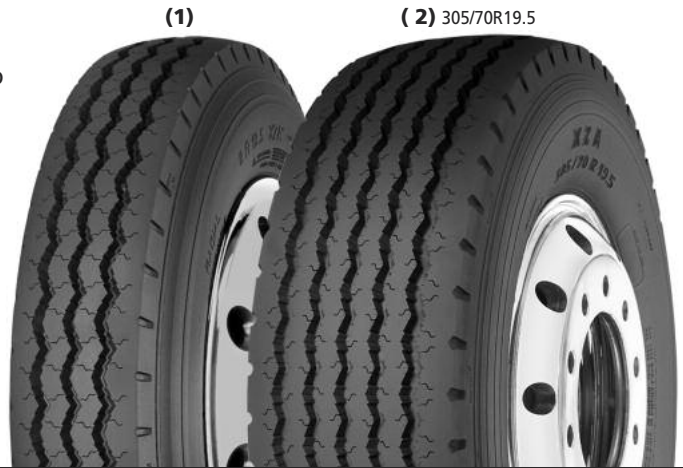
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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



All-position radial with proven versatility

- Massive shoulders and application specific compound help resist scrub and abrasion, promoting extended tread life
- Wide zig-zag groove design for true all-position use and good grip



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
10R17.5 (1)	G	05008	16	65	15.6	397	33.9	861	9.5	241	6.75, 7.50	11.1	282	615	4805	115	2180	790	4540	115	2060	790
305/70R19.5 (2)	J	50505	18	75	16.7	424	36.3	922	11.8	300	8.25, 9.00	13.1	334	575	6940	120	3150	830	6395	120	2900	830

(1, 2) Tread design as indicated above the tire picture.



Engineered for SmartWay® fuel efficiency,⁽¹⁾ long tread life and durability in all types of regional applications

- 15% reduction in rolling resistance⁽²⁾ from Michelin's new Energy Casing. The Energy Casing delivers a cool running bead and sidewall for lower rolling resistance and improved fuel efficiency
- No compromise fuel efficiency and tread life through Dual Compound Tread technology, featuring a top mileage layer above a bottom fuel and durability layer
- Excellent mileage comes from using the Dual Compound Tread, and a specifically designed tread sculpture, that delivers outstanding mileage in all types of regional applications

Directional tread



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R22.5 (3)	G	59190	20	75	19.3	491	41.3	1050	11.2	285	8.25, 7.50	12.5	318	501	6175	105	2800	720	5840	105	2650	720
11R22.5 (3)	H	03168	20	75	19.3	491	41.3	1048	11.2	285	8.25, 7.50	12.5	318	501	6610	120	3000	830	6005	120	2725	830
275/80R22.5 (3)	H	26902	20	75	18.8	476	40.2	1022	11.0	279	8.25, 7.50	12.2	311	515	7160	123	3250	850	6610	123	3000	850

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) Compared to the MICHELIN® XZE®2 tire.
 (3) Directional tread design.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Exceptional all-position radial with extra-wide, extra-deep tread designed to help deliver our best wear in high scrub applications

- Beefy, buttressed shoulders help resist tearing and accelerated wear in high scrub applications
- Extra strong curb guards help protect sidewalls against most impacts and abrasions for long casing life
- Groove bottom protectors help deliver additional defense against stone drilling
- Application specific high scrub compound (chip and cut resistant in LRH versions with ⊛ designation) make the MICHELIN® XZE® tire our longest wearing regional steer tire
- Deep, wide tread and optimized footprint shape help deliver long, even tread wear



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single			Max. Load and Pressure Dual				
					in.	mm	in.	mm	in.	mm		in	mm		lbs.	psi	kPa	lbs.	psi	kg.	kPa	
225/70R19.5	F	81473	17	75	14.9	378	32.2	819	8.9	227	6.00, 6.75	9.7	246	646	3640	95	1650	660	3415	95	1550	660
225/70R19.5	G	91043	17	75	14.9	378	32.2	819	8.9	227	6.00, 6.75	9.7	246	646	3970	110	1800	760	3750	110	1700	760
245/70R19.5	H	75997	18	75	15.6	396	33.6	853	9.7	247	6.75, 7.50	10.7	272	619	4940	120	2240	830	4675	120	2120	830
10R22.5	G	99141	21	75	18.7	475	40.1	1018	10.2	259	6.75, 7.50, 8.25	11.1	282	517	5675	115	2575	790	5355	115	2430	790
12R22.5 ⊛	H	85335	22	75	19.8	503	42.6	1082	11.4	290	8.25, 9.00	13.2	335	486	7390	120	3350	830	6780	120	3075	830
235/80R22.5	G	68749	19	75	17.4	443	37.4	949	9.3	236	6.75, 7.50	10.3	262	555	4675	110	2120	760	4410	110	2000	760
255/70R22.5 ⊛	H	61737	18	75	17.2	437	36.7	932	10.2	260	8.25, 7.50	11.6	295	563	5510	120	2500	830	5070	120	2300	830
255/80R22.5	G	94390	20	75	17.9	455	38.5	979	10.0	254	7.50, 8.25	11.3	287	538	5205	110	2360	760	4805	110	2180	760
275/80R22.5	H	01637	22	75	18.7	475	40.2	1022	11.1	282	8.25, 7.50	12.2	311	516	7160	120	3250	830	6610	120	3000	830

⊛ With chip and cut resistant tread compound.



Exceptional regional, all-position radial with extra-wide, extra-deep tread designed to help deliver our best wear in high scrub applications

- Enhanced application specific compound to promote resistance to aggression and longer tread life
- 6% wider tread for improved wear and handling⁽¹⁾
- *Matrix™* Siping technology and micro sipes protect against irregular wear
- Zig-zag grooves and sipes help increase traction in new and worn tire conditions



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single			Max. Load and Pressure Dual				
					in.	mm	in.	mm	in.	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R22.5	G	78390	22	75	19.3	491	41.3	1050	11.2	285	8.25, 7.50	12.5	318	501	6175	105	2800	720	5840	105	2650	720
11R22.5	H	67042	22	75	19.2	488	41.4	1051	11.3	286	8.25, 7.50	12.5	318	501	6610	120	3000	830	6005	120	2725	830
275/80R22.5	G	55895	22	75	18.6	473	40.2	1021	11.1	282	8.25, 7.50	12.2	311	517	6175	110	2800	760	5675	110	2575	760
11R24.5	G	91867	22	75	20.3	516	43.5	1104	11.1	281	8.25, 7.50	12.5	318	476	6610	105	3000	720	6005	105	2725	720
11R24.5	H	88507	22	75	20.3	516	43.5	1104	11.1	281	8.25, 7.50	12.5	318	476	7160	120	3250	830	6610	120	3000	830
275/80R24.5	G	75519	22	75	19.3	490	41.3	1050	10.8	274	8.25, 7.50	12.2	311	501	6175	110	2800	760	5675	110	2575	760

(1) When compared to the MICHELIN® XZE® tire.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

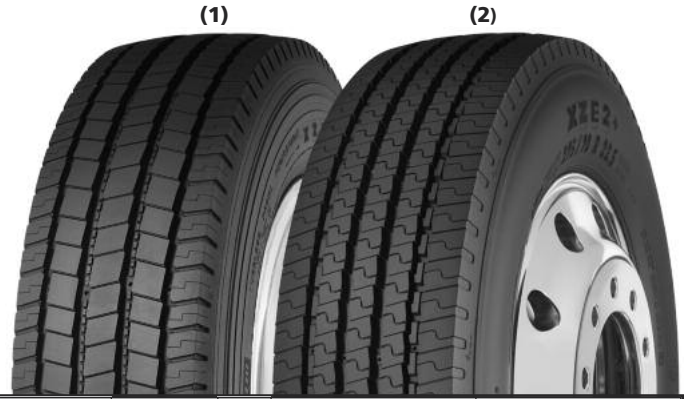
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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



All-position radial optimized for steer axles in regional and limited highway service

- Buttressed shoulder helps resist wear in high scrub applications
- Full depth sipes offer enhanced traction throughout the usable tire life
- Full-width protector ply helps protect the working plies from bruises and penetrations
- **European design**



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*) mph	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
					in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
XZE2 (European design)																						
215/75R17.5 (1)	G	19502	16	75	14.1	357	30.5	774	8.5	217	6.00, 6.75	9.4	239	684	3750	100	1700	690	3525	100	1600	690
305/75R24.5 (4)	J	67251	22	65	19.8	504	42.7	1084	11.6	294	8.25	13.1	334	486	8270	120	3750	830	7160	120	3250	830
XZE2+																						
265/70R19.5 (2)	G	46194	17	75	15.8	402	34.3	870	10.4	263	7.50, 6.75, 8.25	11.6	295	607	5510	110	2500	760	5205	110	2360	760
285/70R19.5 (2)	H	68419	18	75	16.2	412	35.2	895	11.1	283	7.50, 8.25, 9.00	12.2	311	592	6395	120	2900	830	6005	120	2725	830
275/70R22.5 (2,5)	J	78395	19	75	17.6	448	38.0	966	10.9	276	7.50, 8.25	11.9	303	545	6940	130	3150	900	6395	120	2900	830

- (1, 2) Tread design as indicated above the tire pictures.
 (3) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.
 (4) Tread design not shown. Limited Availability in US and CA.
 (5) For more information about Front Axle Overload on Auto Hauler, see Page 94.

X MULTIWAY 3D XZE[®]



Improved fuel economy and mileage in an all-position tire for regional and coach applications.(1)

- Outstanding driving safety from improved braking, that reduces braking distances by up to 25%⁽²⁾ and excellent traction from full-depth Delta Sipes that deliver improved grip⁽³⁾ in challenging conditions.
- Outstanding fuel economy using an optimized tread design and compounds.
- Extended casing life through Michelin exclusive full-width elastic protector ply, and rectangular bead bundles – providing added casing protection and reduced heat and fatigue.



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*) mph	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
					in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
295/80R22.5 (2)	H	07719	19	75	19.2	488	41.5	1054	11.7	297	8.25 (4), 9.00	12.8	326	501	7830	120	3550	830	6940	120	3150	830

- (1) "No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels." US Code of Federal Regulations: Title 49, Transportation; Part 393.75.
 (2) Internal Michelin study. Vehicle fitted with MICHELIN[®] X[®] MULTIWAY 3D XZE[®] tires two-thirds worn compared with similarly worn MICHELIN[®] XZE[®]2+ tires for emergency braking (18 mph to 0 mph) on a wet, smooth, concrete surface.
 (3) Compared to MICHELIN[®] XZE[®]2+ tire.
 (4) For use with 8.25 x 22.5 wheels, consult Michelin.

Explanation of the meaning of the arrows for MICHELIN[®] X[®] MULTIWAY 3D XZE[®] tire

The arrow with the larger head indicates the Michelin preferred direction of rotation for the tire, optimizing tread wear performance. We strongly recommend that, especially when new, MICHELIN[®] tires marked with a bi-directional arrow should be run in the direction of rotation indicated by the larger arrow head.

However, if a tire marked with the bi-directional arrow shows an irregular wear profile, (for example, a sloped wear pattern) then it may be turned on the rim and run in the direction of the smaller arrow head with no detriment to any other performance criteria. In cases such as this, Michelin recommends that all tires on the same axle should be turned on the rim such that all arrows face in the same direction.

When turning these tires on the rim or moving from side to side on a vehicle, they should be treated in the same way as any other. Please remember that tires on the same axle must always be compatible with each other.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

MICHELIN[®] tires and tubes are subject to a continuous development program. Michelin North America, Inc. reserves the right to change product specifications at any time without notice or obligations.

Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



MICHELIN® all-position radial innovation designed for significant weight and fuel savings⁽¹⁾ in on/off road operations

- Long tread life and outstanding chip and cut resistance in on/off road service with 23/32nds original tread depth of application specific compound
- Flat, stable contact area for long, even wear provided by Michelin's Infini-Coil Technology™, featuring a 1/4 mile of steel cable to help eliminate casing growth
- Enhanced protection against stone drilling from variable pitch groove walls and groove bottom protectors in center grooves
- Great bead durability and resistance to heat from reinforced bead package featuring a wide metallic chafer



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
455/55R22.5	M	11629	23	75	19.4	492	41.9	1065	17.8	452	14.00 ⁽²⁾	496	11700	130	5300	900		

(1) Fuel savings are estimates based on comparative rolling resistance. Actual on-road savings may vary.
 (2) For use on 13" wheel, see Page 93.



All-position radial designed for exceptional wear and traction in mixed on/off road service

- 24/32nd tread depth for long life (315/80R22.5 has 23/32nd's)
- +11% increase in tread volume for increased mileage and improved durability, +5% in tread width, +4% in tread depth, +2% in net contact area⁽³⁾
- New tread compound formulation offers excellent protection against aggression, chipping and scaling
- Maximized soft soil and mud traction throughout the tire life as ribs and shoulder edges retain their aggressive notches
- Rounded bead toe for easy mount and demount as well as help in reducing bead damage
- Extra-robust four steel belt construction for excellent retreadability (315/80R22.5 has three steel belts)



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)	Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm				in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
11R22.5 ⁽¹⁾	G	84455	24	65	19.6	498	41.8	1061	11.3	288	8.25, 7.50	12.5	318	496	6175	105	2800	720	5840	105	2650	720	
11R22.5 ⁽¹⁾	H	80927	24	65	19.6	498	41.8	1061	11.3	288	8.25, 7.50	12.5	318	496	6610	120	3000	830	6005	120	2725	830	
12R22.5 ⁽¹⁾	H	47947	24	65	20.1	509	42.9	1089	11.4	290	8.25, 9.00	13.2	335	483	7390	120	3350	830	6780	120	3075	830	
315/80R22.5 ⁽²⁾	L	40200	23	65	19.8	502	42.9	1088	12.5	318	9.00, 8.25 ⁽⁴⁾	13.8	351	486	9090	130	4125	900	8270	130	3750	900	
11R24.5 ⁽¹⁾	G	47945	24	65	20.5	520	43.7	1110	11.3	288	8.25, 7.50	12.5	318	473	6610	105	3000	720	6005	105	2725	720	
11R24.5 ⁽¹⁾	H	79250	24	65	20.5	520	43.7	1111	11.4	289	8.25, 7.50	12.5	318	473	7160	120	3250	830	6610	120	3000	830	
12R24.5 ⁽¹⁾	H	47951	24	65	21.0	533	44.9	1140	11.5	291	8.25, 9.00	13.2	335	461	7830	120	3550	830	7160	120	3250	830	

(1, 2) Tread design as indicated above the tire picture.
 (3) When compared to MICHELIN® XZY-2™ tire.
 (4) For use with 8.25 x 22.5 wheels, see Page 93.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

MICHELIN® tires and tubes are subject to a continuous development program. Michelin North America, Inc. reserves the right to change product specifications at any time without notice or obligations.

Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Exceptional all-position wide base radial designed for heavy front axle service in mixed service applications

- Improved traction in soft soil and mud promoted by aggressive new tread design⁽¹⁾
- Improved flotation offered by wider tread (almost 1 inch wider than MICHELIN[®] XZY[®] Wide Base tire)
- Great resistance to shocks, bruising and penetrations fostered by new four-belt design featuring full-width elastic protector ply
- Added sidewall and shoulder protection from thicker rubber and new aggressive shoulder design
- Improved wet traction throughout the tread life cultivated by deep, wide circumferential grooves and minimized bridging between tread elements



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm	lbs.	psi			kg.	kPa		
385/65R22.5	J	53779	22	65	19.6	499	42.4	1078	14.9	379	11.75, 12.25	491	9370	120	4250	830		
425/65R22.5	L	40321	23	65	20.6	524	44.7	1137	16.6	421	13.00, 12.25	465	11400	120	5150	830		
445/65R22.5	L	83691	23	65	21.1	536	45.8	1164	17.8	451	14.00, 13.00	455	12800	130	5800	900		

(1) When compared to the MICHELIN[®] XZY[®] Wide Base tire.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Michelin’s all-position radial innovation designed for significant weight and fuel savings⁽¹⁾ in urban regional operations

- Long tread life and outstanding scrub resistance in urban/regional service with 23/32nd original tread depth of application specific compound
- Flat, stable contact area for long, even wear provide by Michelin’s Infini-Coil Technology™, featuring a 1/4 mile of steel cable to help eliminate casing growth
- Enhanced protection against stone drilling from variable pitch groove walls and groove bottom protectors in all grooves
- Outstanding bead durability and resistance to heat from reinforced bead package featuring a wide metallic chafer



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
455/55R22.5	M	28513	23	75	19.4	492	41.9	1065	17.8	452	14.00	496	11700	130	5300	900

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.



Improved mileage⁽¹⁾ and durability in an all-position tire designed for the challenges of urban conditions⁽³⁾

- 20% additional mileage⁽²⁾ delivered using a combination of a durable scrub resistant compound, a wear resistant tread pattern, and a wide footprint
- Casing life is extended with sidewalls that are 20% thicker vs. MICHELIN® XZU®2 tire, providing strong protection against shocks and curb scrub
- Outstanding traction and handling throughout the life of the tire comes from the use of *Matrix™* Sipes
- Excellent fuel efficiency comes from an optimized tread design, that combines compound and tread pattern, to deliver low rolling resistance without compromising tread life



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
275/70R22.5 ⁽⁴⁾	J	59714	21	65	17.7	453	38.1	969	11.4	289	8.25, 7.50	11.9	303	542	6940	130	3150	900	6395	130	2900	900
305/70R22.5 ^(3,4)	L	37658	22	65	18.4	468	39.5	1003	12.3	312	9.00, 8.25	13.4	341	525	7830	130	3550	900	7390	130	3350	900
305/85R22.5 ⁽³⁾	J	36530	24	68	20.0	507	42.7	1085	11.7	298	9.00, 8.25	13.2	335	485	7830	120	3550	830	7160	120	3250	830

(1) Compared to MICHELIN® XZU®2 and XZU®3 tires.
 (2) When compared to MICHELIN® XZU®2 (12R22.5) and XZU®3 (305/85R22.5) tires vs MICHELIN® X® INCITY™ Z tires (305/70R22.5) in direct comparison fleet testing.
 (3) "No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels." US Code of Federal Regulations: Title 49, Transportation; Part 393.75.
 (4) Limited availability. Will be replaced by 305/70R22.5 L Catalog Number 30255.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer’s load and inflation limits. Never exceed wheel manufacturer’s limits without permission of component manufacturer.



Next generation all-position tire with high carrying capacity designed for exceptional treadlife in high scrub urban applications such as waste vehicles

- Up to 20% increase in removal mileage⁽¹⁾ due to new 4-rib tread design
- Improved retreadability⁽¹⁾ due to a more robust tread design
- Increased resistance⁽¹⁾ to high brake temperatures common in urban stop/start service due to updated bead design
- Fosters reduced mounting and dismounting damages with Michelin's rounded bead toe design



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph		in.	mm	in.	mm	in.	mm			in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
315/80R22.5	L	77510	23	65	19.6	498	42.8	1087	12.5	318	9.00, 8.25 ⁽²⁾	488	10000	130	4535	900	8270	130	3750	900	

(1) When compared with MICHELIN[®] XZU[®]S tire.
 (2) For use with 8.25 x 22.5 wheels, see Page 93.



All-position radial with high carrying capacity designed for exceptional tread life in high scrub urban applications, such as waste vehicles

- Significant increase in tread life with new scrub-resistant, application-specific tread compounds and increased tread volume
- 65 mph* rating with optimized scrub resistance and reduced operating temperatures in the crown area
- Fosters reduced mounting and dismounting damages with Michelin's rounded bead toe design



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph		in.	mm	in.	mm	in.	mm			in.	mm	lbs.	psi
425/65R22.5	L	03785	23	65	20.6	524	44.7	1137	16.6	421	13.00, 12.25	465	11400	120	5150	830	

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Increased load capacity without compromising mileage, in an all-position tire designed for line haul and regional bus applications⁽¹⁾

- Extended load capacity provided by Michelin patented Infini-Coil Technology™, featuring patented 0 degree steel cable for improved load capacity. In addition, wide shoulder ribs and an improved distribution of pressure across the tire width enable the greater load capacity.
- Exceptional handling comes from wide shoulder ribs and four wide longitudinal grooves that provide optimized traction in all conditions
- Longer casing life and retreadability is also a benefit of the Infini-Coil Technology™, along with the full width protector ply and rectangular bead bundles



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
295/80R22.5	H	31078	18	75	19.3	491	41.5	1055	11.8	299	9.00, 8.25	12.8	326	499	8270	123	3750	850	7160	123	3250	850

(1) "No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels." US Code of Federal Regulations: Title 49, Transportation; Part 393.75.
 * Tire meets SmartWay® requirements.



The wide-base radial designed to deliver high mileage and a quiet ride on heavy front axle in regional and highway applications

- Dual Compound Tread rubber helps ensure cool operating temperatures, while keeping tire wear rate low
- Deep, wide channels help provide excellent water evacuation throughout the life of the tire
- Lateral siping along rib edges help enhance traction and braking in adverse weather conditions
- Robust crown design with four-steel belt package



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (+)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
385/65R22.5	L	36991	21	65	19.6	499	42.2	1072	14.9	379	11.75, 12.25	491	9920	130	4500	900		
425/65R22.5	L	11829	21	65	20.6	522	44.5	1130	16.6	421	13.00, 12.25	468	11400	120	5150	825		
445/65R22.5	M	10805	21	65	21.0	534	45.6	1158	17.8	451	14.00, 13.00	457	12800	130	5800	900		

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

MICHELIN® tires and tubes are subject to a continuous development program. Michelin North America, Inc. reserves the right to change product specifications at any time without notice or obligations.

Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



All-wheel-position radial for urban operations involving frequent stopping and starting⁽¹⁾

- Significant increase in mileage with deeper, wider tread and application specific compounds
- Exceptional traction on wet and slippery surfaces through *Matrix™* Siping technology
- Outstanding resistance to high scrub applications from large solid shoulder
- Reduced damage from mount/dismount with Michelin's rounded bead toe design
- Extended retreadability with extra robust casing design and special elongated metallic chaffer in bead
- Extra thick sidewalls with depth indicators resist the curb scrub in urban service and allow for timely tire rotation ensuring maximum casing utilization



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R22.5 ⁽¹⁾	H	32873	25	62	19.5	494	41.9	1065	10.8	275	7.50, 8.25	11.9	301	499	6940	120	3150	830	6395	120	2900	830

(1) "No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels." US Code of Federal Regulations: Title 49, Transportation; Part 393.75.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



← Directional tread

Leading SmartWay® fuel economy⁽¹⁾ and improved mileage in a next generation wide base single drive tire for line haul applications.

- No compromise fuel efficiency and mileage delivered by the Dual Energy Compound Tread, with a precisely balanced Fuel and Mileage layer on top of a cool running Fuel and Durability layer
- 15% longer tread life than MICHELIN® X ONE® XDA® Energy from the Dual Energy Compound Tread, wide footprint and solid shoulder for force distribution, and Infini-Coil Technology™ which wraps 1/4 mile of steel cable around the casing to eliminate casing growth and insure a consistent footprint.
- Excellent handling due to optimized traction and stability from full depth *Matrix*™ Sipes
- Extended casing life delivered through the Dual Energy Compound Tread, rectangular bead bundle and full-width elastic protector ply



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm	lbs.	psi			kg.	kPa		
445/50R22.5 ⁽²⁾	L	96678	24	75	18.6	471	40.2	1021	17.1	435	14.00	517	10200	120	4625	830		

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) Directional tread design.



SmartWay® verified fuel economy⁽¹⁾ with leading tread life and traction in a line haul energy drive tire

- Fuel efficiency⁽¹⁾ provided through Michelin's use of a Dual Compound Tread, coupling a top fuel and mileage layer, with a cool running bottom layer of tread rubber
- 20% longer tread life⁽²⁾ due to the Dual Compound Tread, a wider footprint and solid shoulder, as well as wear benefits from *Matrix*™ Siping technology
- Driver confidence due to exceptional handling from MICHELIN® *Matrix*™ Siping technology, providing both traction and stability
- Extended casing life through Michelin exclusive full-width elastic protector ply and rectangular bead bundles – providing added casing protection and reduced heat and fatigue



LH	R	O/O	U
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7 Year 7 YEAR 700,000-MILE 3-RETREAD LIMITED WARRANTY⁽³⁾

Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)	Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm				lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R22.5	G	35887	23	75	19.4	493	41.3	1050	11.2	286	8.25, 7.50	12.5	318	500	6175	105	2800	720	5840	105	2650	720	
275/80R22.5	G	36859	23	75	18.9	480	40.2	1020	11.0	280	8.25, 7.50	12.2	311	514	6175	110	2800	760	5675	110	2575	760	
11R24.5	G	36069	23	75	20.4	518	43.4	1102	11.3	287	8.25, 7.50	12.5	318	476	6610	105	3000	720	6005	105	2725	720	
275/80R24.5	G	36992	23	75	19.5	494	41.3	1050	10.8	275	8.25, 7.50	12.2	311	499	6175	110	2800	760	5675	110	2575	760	

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) Compared to the MICHELIN® XDA® ENERGY tire.
 (3) 7/7/3 Manufacturer's Limited Casing Warranty: 7 Year or 700,000 Mile or 3-Retread Limited Warranty for MICHELIN® X ONE™ ENERGY D tire when retreaded by an authorized Michelin Retread Technologies (MRT) Dealer only. See limited warranty for details.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Ground-breaking, fuel-efficient⁽¹⁾, ultra-low profile drive axle radial truck tire especially designed for long even wear, good traction, and a quiet ride for line haul 6x4s

- Latest Advanced Technology™ Tread Compounds for outstanding fuel efficiency⁽¹⁾
- Alternating groove wall angles help resist stone retention and improve traction throughout the life of the tire
- Wide circumferential grooves quickly evacuate water
- 7 Year / 700,000 Mile / 3-Retread Manufacturer's Limited Casing Warranty⁽²⁾



7 Year 7 YEAR 700,000-MILE
3-RETREAD LIMITED WARRANTY⁽²⁾



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
275/80R22.5	G	42564	26	75	18.9	481	40.5	1028	10.9	278	8.25, 7.50	12.2	311	511	6175	110	2800	760	5675	110	2575	760

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) 7/7/3 Manufacturer's Limited Casing Warranty: 7 Year or 700,000 Mile or 3-Retread Limited Warranty for MICHELIN® XDA® ENERGY tire when retreaded by an authorized Michelin Retread Technologies (MRT) Dealer only. See limited warranty for details.



Our longest wearing line haul drive tire featuring regenerating tread features that deliver excellent traction late in life

- Extra wide tread width for excellent stability and long wearlife
- Regenerating tread features from MICHELIN® Durable Technologies for excellent traction throughout the life of the tire
- *Matrix™* Siping technology helps provide exceptional traction on dry and slippery surfaces. The 3D *Matrix™* Sipes lock together for the stability normally associated with solid tread blocks
- Full 30/32nds tread depth helps provide unmatched original treadlife
- Strong, solid shoulders give excellent stability and handling



Truck Tires
Drive Tires

LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
11R22.5	G	14003	30	75	19.5	495	41.7	1058	11.3	287	8.25, 7.50	12.5	318	497	6175	105	2800	720	5840	105	2650	720
275/80R22.5	G	61310	30	75	19.0	483	40.6	1031	11.1	281	8.25, 7.50	12.2	311	510	6175	110	2800	760	5675	110	2575	760
11R24.5	G	63702	30	75	20.5	521	43.8	1112	11.2	284	8.25, 7.50	12.5	318	472	6610	105	3000	720	6005	105	2725	720
11R24.5	H	97973	30	75	20.6	523	43.8	1113	11.3	286	8.25, 7.50	12.5	318	471	7160	120	3250	830	6610	120	3000	830
275/80R24.5	G	01376	30	75	19.7	499	41.8	1062	10.8	273	8.25, 7.50	12.2	311	494	6175	110	2800	760	5675	110	2575	760
305/75R24.5 ⁽¹⁾	J	30987	30	75	20.1	510	43.3	1100	11.5	293	8.25, 9.00	13.5	343	480	8270	120	3750	830	7160	120	3250	830

(1) MICHELIN® XDA®5 tread design. Limited availabilities.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Fuel-efficient⁽¹⁾, standard drive tire that helps deliver long, even tread wear and a smooth quiet ride

- Advanced Technology Compounding helps reduce rolling resistance delivering low fuel costs with no compromise in wet traction, mileage, durability and even wear.
- Wide grooves quickly evacuate water for good wet weather handling to foster driver confidence and productivity.
- Alternating groove wall angles help resist stone retention and help improve traction throughout the tire's life.



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (#)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (#)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
				mph	in.	mm	in.	mm	in.	mm	in		mm	lbs.		psi	kg.	kPa	lbs.	psi	kg.	kPa	
255/70R22.5	H	74493	25	75	17.4	442	37.2	944	10.2	258	8.25, 7.50	11.6	295	558	5510	120	2500	830	5070	120	2300	830	

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.



Leading edge, ultra fuel-efficient⁽¹⁾ drive tire designed for optimized traction and treadlife in all types of regional applications

- Exceptional fuel-efficiency⁽¹⁾ and tread/casing life due to the Dual Compound Tread, which provides low rolling resistance, anti-scrub properties and minimizes internal casing temperatures
- Outstanding traction and even wear are conveyed by the inter-locking action of full depth *Matrix™* Siping
- Long tread life and stability are enabled by a wide, optimized footprint, which eliminates the need for additional tread depth
- Additional traction is provided in adverse weather conditions due to shoulder siping



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (#)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (#)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
				mph	in.	mm	in.	mm	in.	mm	in		mm	lbs.		psi	kg.	kPa	lbs.	psi	kg.	kPa	
11R22.5	G	58300	24	75	19.4	493	41.4	1051	11.3	287	8.25, 7.50	12.5	318	499	6175	105	2800	720	5840	105	2650	720	
275/80R22.5	G	63049	24	75	18.9	480	40.2	1022	11.0	281	8.25, 7.50	12.2	311	514	6175	110	2800	760	5675	110	2575	760	
11R24.5	H	61739	24	75	20.4	518	43.4	1103	11.3	287	8.25, 7.50	12.5	318	476	7160	120	3250	830	6610	120	3000	830	

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(#) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Michelin's longest-wearing, best traction X ONE® drive tire for highway and regional operations

- Engineered to replace duals
- *Matrix™* Siping technology helps provide exceptional traction on dry and slippery surfaces. The 3D *Matrix™* Sipes lock together for the stability normally associated with solid tread blocks.
- Multiple tread compounds to keep the casing cooler and optimize retreadability
- Infini-Coil Technology™ incorporates 1/4 mile of steel cable to stabilize the footprint and minimize casing growth
- Extra wide tread width for excellent stability and long wearlife
- Open shoulder design helps provide exceptional traction on dry, wet and snow covered surfaces



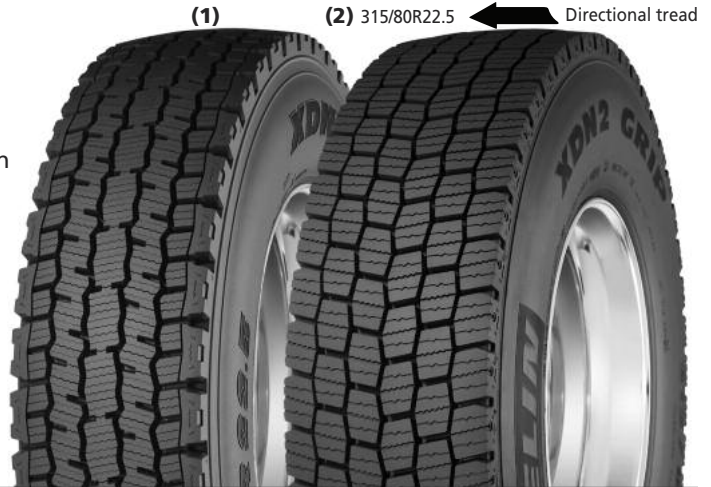
LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph		in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
445/50R22.5	L	36587	27	75	75	18.7	474	40.4	1026	17.1	435	14.00	515	10200	120	4625	830
455/55R22.5	L	31535	27	75	75	19.6	497	42.4	1076	17.6	448	14.00	491	11000	120	5000	830



All weather premium drive tire optimized for exceptional traction and mileage

- *Matrix™* Siping technology helps provide exceptional traction on dry and slippery surfaces. Over 1,300 biting edges combine to help provide excellent levels of traction while the 3 dimensional *Matrix™* Sipes lock together for the stability normally associated with solid tread blocks
- Extra wide tread helps provide stability while helping to improve handling and mileage
- Full 27/32nds tread depth helps provide long original tread life (MICHELIN® XDN®2 GRIP tire has 28/32nds original tread depth)
- Wide, open shoulder grooves help deliver additional traction balanced with tread life



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph		in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R22.5 (1)	G	72805	27	75	75	19.5	495	41.7	1060	11.2	284	8.25, 7.50	12.5	318	496	6175	105	2800	720	5840	105	2650	720
11R22.5 (1)	H	64321	27	75	75	19.5	495	41.7	1060	11.2	284	8.25, 7.50	12.5	318	496	6610	120	3000	830	6005	120	2725	830
12R22.5 (1)	H	51753	27	75	75	20.0	508	42.9	1089	11.3	287	8.25, 9.00	13.2	335	483	7390	120	3350	830	6780	120	3075	830
275/80R22.5 (1)	G	63465	27	75	75	18.9	481	40.6	1030	11.0	279	8.25, 7.50	12.2	311	511	6175	110	2800	760	5675	110	2575	760
315/80R22.5 (2)	L	04355	28	75	75	20.0	507	43.1	1094	12.5	317	9.00, 8.25 (3)	13.8	351	486	9090	130	4125	900	8270	130	3750	900
11R24.5 (1)	G	87459	27	75	75	20.4	519	43.7	1111	11.2	284	8.25, 7.50	12.5	318	473	6610	105	3000	720	6005	105	2725	720
11R24.5 (1)	H	87129	27	75	75	20.5	522	43.8	1112	11.2	284	8.25, 7.50	12.5	318	473	7160	120	3250	830	6610	120	3000	830
275/80R24.5 (1)	G	75684	27	75	75	19.6	497	41.8	1061	10.6	270	8.25, 7.50	12.2	311	495	6175	110	2800	760	5675	110	2575	760

(1) MICHELIN® XDN®2 tread design (non-directional).
 (2) MICHELIN® XDN®2 GRIP tread design (directional).
 (3) For use with 8.25 x 22.5 wheels, see Page 93.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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The versatile, all-season drive tire for all types of roads

- Excellent durability due to a new long wearing rubber compound and a new directional tread pattern that reduces stone retention
- Up to 19% more grip on wet and slippery roads and improved braking distance after 2/3 worn⁽¹⁾, due to double wave and raindrop sipe technologies
- Up to 30% increased mileage⁽¹⁾ from a deeper, wider tread featuring MICHELIN® Durable Technologies

← Directional tread



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
295/60R22.5 ⁽²⁾	J	06376	23	68	16.9	430	36.5	927	11.4	289	9.00 ⁽³⁾ , 9.75	13.0	330	569	7390	130	3350	900	6780	130	3075	900

(1) When compared to the MICHELIN® XDE®2+ tire.
 (2) Directional tread design.
 (3) For further instructions on proper usage of the 295/60R22.5, see Page 95.



Open shoulder drive axle radial engineered for excellent mileage and traction across a wide range of applications

- Aggressive open shoulder design with deep tapered lateral grooves help provide outstanding year round traction and excellent water and mud dispersion
- Application specific compounds help resist the effects of scrubbing in standard LRG sizes. LRH sizes with a ⊗ designation feature a special chip and cut resistant compound.
- Full depth sipes help provide additional traction on wet and slippery surfaces in LRG sizes
- Offset shoulder blocks for excellent traction in mud and soft soil conditions



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
10R22.5	G	87357	23	75	18.8	477	40.2	1022	10.2	259	6.75, 7.50, 8.25	11.1	282	515	5675	115	2575	790	5355	115	2430	790
11R22.5	G	73493	26	75	19.4	492	41.6	1057	11.2	285	8.25, 7.50	12.5	318	498	6175	105	2800	720	5840	105	2650	720
11R22.5 ⊗	H	73927	28	75	19.4	493	41.7	1060	11.2	285	8.25, 7.50	12.5	318	497	6610	120	3000	830	6005	120	2725	830
275/80R22.5	G	61426	26	75	18.7	476	40.5	1028	11.1	282	8.25, 7.50	12.2	311	513	6175	110	2800	760	5675	110	2575	760
11R24.5	G	51273	26	75	20.4	518	43.8	1112	11.1	281	8.25, 7.50	12.5	318	475	6610	105	3000	720	6005	105	2725	720
11R24.5 ⊗	H	46695	28	75	20.4	519	43.9	1115	11.1	281	8.25, 7.50	12.5	318	474	7160	120	3250	830	6610	120	3000	830

⊗ With chip and cut resistant tread compound.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Open shoulder drive axle radial designed for regional and line haul service

← Directional tread

- Tread block design featuring five longitudinal sipes for optimized grip and traction
- New damage resistant rubber compound for improved removal mileage
- Tread designed to minimize irregular wear
- Directional tread pattern to minimize stone retention



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
265/70R19.5 (1)	G	95319	20	75	15.9	404	34.4	875	10.3	262	7.50, 6.75, 8.25	11.6	295	605	5510	110	2500	760	5205	110	2360	760
285/70R19.5 (1)	H	79456	21	75	16.3	414	35.4	899	10.8	274	7.50, 8.25, 9.00	12.2	311	587	6395	120	2900	830	6005	120	2725	830
275/80R22.5 (1)	H	36993	28	75	19.0	482	40.8	1036	11.0	280	7.50, 8.25	12.5	317	509	7160	120	3250	830	6610	120	3000	830

(1) Directional tread design.



Drive axle radial for year-round traction and optimized for severe winter conditions

← Directional tread

- Rugged, directional tread design helps boost snow and ice traction and helps reduce heel/toe wear typically associated with open shoulder designs
- MICHELIN® Durable Technology 3D *Matrix*™ Siping helps provide exceptional traction on dry and slippery surfaces(1)
- Over 450 full-depth, zig-zag sipes interlock to enhance block stability under torque while providing extra bite, especially in deep snow
- Extra-robust, four-belt crown package with extra-wide working plies help deliver exceptional casing life
- Full-width, elastic protector ply and extra-thick rubber under the tread help protect the working plies from shocks, bruises and impacts
- Application-specific compound designed to provide maximum snow traction



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
XDS®2																						
11R22.5 (1,2)	H	05359	26	65	19.6	498	41.9	1065	11.4	289	8.25, 7.50	12.5	318	494	6610	120	3000	830	6005	120	2725	830
11R24.5 (1,2)	H	06613	26	65	20.5	521	43.9	1114	11.0	279	8.25, 7.50	12.5	318	472	7160	120	3250	830	6610	120	3000	830
XDS®																						
12R22.5 (3)	H	62208	26	65	19.9	506	42.8	1087	11.8	300	8.25, 9.00	13.2	335	484	7390	120	3350	830	6780	120	3075	830

(1) Only MICHELIN® XDS®2 standard sizes carry the MICHELIN® Durable Technology logo.

(2) Directional tread design.

(3) Tread design is slightly different from the picture.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Truck Tires

Drive Tires



The drive axle radial for year-round traction, optimized for winter conditions and limited all-position service

- Outstanding traction on wet and slippery surfaces from over 700 3D *Matrix™* Sipes
- Optimized for stone rejection with variable angled groove walls and groove bottom protectors
- Traction in demanding surface conditions from open shoulder design
- Protection from impacts through robust curb guard features and sidewall scallops
- Self-cleaning tread pattern through zig-zag groove angles and wide, open shoulder grooves



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
225/70R19.5	F	91423	18	75	15.2	386	32.4	824	9.2	234	6.75, 6.00	10.0	254	638	3640	95	1650	660	3415	95	1550	660
225/70R19.5	G	00691	18	75	15.2	386	32.4	824	9.2	234	6.75, 6.00	10.0	254	637	3970	110	1800	760	3750	110	1700	760
245/70R19.5	H	05797	19	75	15.7	395	33.6	854	9.7	247	6.75, 7.50	10.7	272	615	4940	120	2240	830	4675	120	2120	830



Next generation on/off road drive tire optimized for exceptional traction and wear in mixed and severe on/off road service

- Improved durability⁽¹⁾ due to a more robust center region of the tread
- 10% improved removal mileage⁽¹⁾ due to the wider tread width
- More efficient mud evacuation⁽¹⁾ due to a new tread design
- Excellent protection from shocks, snags and impacts due to extra-thick sidewall

← Directional tread



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
11R22.5 ⁽²⁾	H	89725	30	65	19.7	499	41.9	1065	11.3	287	8.25, 7.50	12.5	318	493	6610	120	3000	830	6005	120	2725	830
315/80R22.5 ^(2,3)	L	55576	28	68	20.0	507	43.3	1091	12.5	317	9.00, 8.25 ⁽²⁾	13.8	351	480	9090	130	4125	900	8270	130	3750	900
11R24.5 ⁽²⁾	H	90022	30	65	20.7	526	44.0	1118	11.3	288	8.25, 7.50	12.5	318	469	7160	120	3250	830	6610	120	3000	830

(1) When compared to the MICHELIN® XDY®3 tire.
 (2) Directional tread design.
 (3) For use with 8.25 x 22.5 wheels, see Page 93.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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On/off road drive tire optimized for exceptional traction and wear in mixed and severe on/off road service

- Long original tread life offered from 31/32nds tread depth
- 12% increase in tread volume for increased mileage and durability, + 5% tread width⁽¹⁾, + 3% tread depth⁽¹⁾
- Maximized traction in soft soil and mud through massive, open lateral shoulder grooves
- Extra robust four-belt crown package with extra wide working plies helps deliver exceptional casing life



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R22.5	H	97079	31	65	19.8	503	42.2	1072	11.3	287	8.25, 7.50	12.5	318	490	6610	120	3000	830	6005	120	2725	830
11R24.5	H	47962	31	65	20.8	528	44.4	1127	11.3	287	8.25, 7.50	12.5	318	467	7160	120	3250	830	6610	120	3000	830

(1) When compared to the MICHELIN[®] XDY-2™ tire.



Our most aggressive drive axle tire designed for commercial vehicles operating in extreme off-road conditions where maximum traction is the priority

- Improved off-road and mud traction due to a more aggressive tread redesign with more void area⁽¹⁾
- Excellent crown durability and retreadability due to significantly reduced stone retention
- Excellent protection from shocks, snags and impacts due to extra-thick sidewall



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
11R24.5	H	23274	32	65	20.7	527	44.3	1125	11.3	287	8.25, 7.50	12.5	318	467	7160	120	3250	830	6610	120	3000	830

(1) When compared to the MICHELIN[®] XDY-EX™.

Truck Tires

Drive Tires

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel.

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Breakthrough Advanced Casing Technology delivers significant reduction in irregular wear⁽¹⁾ and improved fuel economy⁽²⁾ to Michelin's latest wide base single tire for line haul trailers

- New, Advanced Casing Technology delivers 15% improvement⁽¹⁾ in removal mileage using a unique design that fights irregular wear
- SmartWay® fuel efficiency⁽²⁾ comes from use of Advanced Technology™ Compounds to deliver low rolling resistance
- Casing life is extended using Michelin's rectangular bead bundle for reduced casing heat, and full width protector ply to help prevent punctures
- Infini-Coil Technology™ incorporates 1/4 mile of steel cable to stabilize the footprint and minimize casing growth



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
445/50R22.5	L	84085	13	75	18.3	465	39.5	1004	17.1	435	14.00	525	10200	120	4625	830

(1) Based on current pull point vs MICHELIN® X ONE® XTA® tire in field testing and observation.

(2) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.



SmartWay® fuel efficiency⁽¹⁾ with excellent mileage and casing durability in a trailer tire designed specifically for line haul conditions

- 10% improved rolling resistance over MICHELIN® XT-1® tires from use of Advanced Technology™ Tread Compound
- Excellent tread life from a solid sculpture that resists wear and a shoulder groove that resists irregular wear
- Exceptional water evacuation with the use of 4 circumferential grooves, delivering excellent braking on wet surfaces
- Extended casing life due to a curb guard for sidewall and shoulder protection, and a rectangular bead bundle that reduces casing heat and fatigue



7 YEAR 700,000-MILE
3-RETREAD LIMITED WARRANTY⁽²⁾



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)	Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual				
			32nds	mph	in.	mm	in.	mm	in.	mm				in.	mm	lbs.	psi	kg.	kPa	lbs.	psi	kg.
11R22.5	G	92005	12	75	19.1	485	40.9	1039	11.2	285	8.25, 7.50	12.5	318	493	6175	105	2800	720	5840	105	2650	720
275/80R22.5	G	92052	12	75	18.4	468	39.7	1008	11.1	281	8.25, 7.50	12.2	311	523	6175	110	2800	760	5675	110	2575	760
11R24.5	H	92448	12	75	20.0	508	43.0	1092	11.1	283	8.25, 7.50	12.5	318	482	7160	120	3250	830	6610	120	3000	830
275/80R24.5	G	92981	12	75	19.1	485	40.8	1036	10.8	274	8.25, 7.50	12.2	311	507	6175	110	2800	760	5675	110	2575	760

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

(2) 7/7/3 Manufacturer's Limited Casing Warranty: 7 Year or 700,000 Mile or 3-Retread Limited Warranty for MICHELIN® X® LINE™ ENERGY T tire when retreaded by an authorized Michelin Retread Technologies (MRT) Dealer only. See limited warranty for details.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Fuel-efficient⁽¹⁾, long wearing, small diameter trailer tire designed for high cube highway service

- 14% reduction in rolling resistance from Advanced Technology[™] rubber compound⁽²⁾
- Up to 14% improvement in tread life, delivered through a combination of a wider tread for better force distribution, massive shoulders to resist scuffing, and micro sipes to help prevent abnormal wear⁽³⁾
- Driving confidence is delivered through excellent traction provide by see-through circumferential grooves and hydro sipes for improved wet grip
- Casing life is extended through use of a rectangular bead bundle and extended metallic chafer that protects against mounting damage and brake heat



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
265/70R19.5	H	40936	13	75	15.7	399	33.9	862	10.4	265	11.8	265	7.50, 6.75	11.8	300	608	6005	123	2725	850	5675	123	2575	850

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) Based on ISO R 1222 testing vs. 265/70R19.5 MICHELIN[®] XTA[®]2 ENERGY tire.
 (3) Based on Lorca test vs. 265/70R19.5 MICHELIN[®] XTA[®]2 ENERGY tire.



Fuel-efficient⁽¹⁾, small diameter trailer tire that helps deliver long, even tread wear in high cube highway service

- Advanced Technology[™] compounds formulated to help provide low rolling resistance and cool operating temperatures
- See-through circumferential grooves promote efficient water evacuation for good wet braking throughout the life of the tire
- Improved retreadability from a stronger, more durable crown package (compared to the MICHELIN[®] ENERGY XTA[®] tire)



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
245/70R17.5 ⁽¹⁾	J	78370	13	62	14.2	361	31.2	792	9.5	241	9.5	241	6.75, 7.50	10.6	270	670	6005	125	2725	860	5675	125	2575	860

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

MICHELIN[®] tires and tubes are subject to a continuous development program. Michelin North America, Inc. reserves the right to change product specifications at any time without notice or obligations.

Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.

Truck Tires

Trailer Tires



The fuel efficient⁽¹⁾, high mileage trailer tire designed specifically for high cube line haul applications

- Exceptional fuel economy delivered through use of Advanced Technology™ Compounds and a tread design optimized for free rolling conditions
- 15% longer tread life than MICHELIN® XTA[®]2 ENERGY Wide Base tires from a wide footprint and solid shoulder
- Maximum retreadability comes from improved casing protection delivered by the full width elastic protector ply



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
445/45R19.5 ⁽³⁾	M	21329	16	62	16.3	414	35.6	903	17.2	436	14.00	—	—	587	9920	130	4500	900	—	—	—	—

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.



The highway trailer radial optimized for low bed, high cube trailers operations

- Application specific compound
- Significant groove angles to help release stones and reduces damages from stone drilling



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
10.00R15 ⁽¹⁾	J	70667	14	55	16.5	419	36.0	914	10.6	269	7.50, 7.00	12.5	318	579	6940	120	3150	830	6395	120	2900	830
215/75R17.5	J	82636	15	62	14.1	359	30.7	779	8.7	221	6.00, 6.75	9.4	239	679	4805	120	2180	830	4540	120	2060	830

(1) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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X ONE® MULTI™ ENERGY T REGIONAL & LINE HAUL APPLICATIONS

Breakthrough Advanced Casing Technology enables a significant reduction in irregular wear to Michelin's latest wide base single tire for highway and regional operations.

- Engineered to replace duals on regional and line haul trailer axle fitments
- Leading SmartWay® fuel economy⁽¹⁾ comes from use of Advanced Technology™ Compounds that deliver low rolling resistance
- Features Infini-Coil Technology™, incorporating 1/4 mile of steel cable to help eliminate casing growth and ensure a consistent footprint
- Directional sipes and solid shoulders help reduce irregular wear⁽²⁾



← Directional tread



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
445/50R22.5 (3,4)	L	33836	16	75	18.4	467	39.7	1008	17.1	434	14.00	523	10200	120	4625	830		
455/55R22.5 (3,5)	L	47798	16	75	19.3	490	41.6	1058	17.7	449	14.00	499	11000	120	5000	830		

(1) Based on industry standard rolling resistance testing of comparable tires or retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) Based on current pull points vs MICHELIN® X ONE® XTE® tire in field testing and observations.
 (3) Directional tread design.
 (4) Equivalent overall diameter to Michelin 275/80R22.5 trailer tire offering.
 (5) Equivalent overall diameter to Michelin 11R22.5 or 275/80R24.5 trailer tire offering.

XTE® REGIONAL APPLICATIONS



The robust trailer tire designed to withstand the demands of high scrub and spread axle service for regional applications

- Long tread life from 16/32nds of application specific compounds
- Smooth, even wear in high-scrub service from beefy, solid shoulders and trailer optimized design
- Protection from impacts and curbing promoted by sidewall scallops and curb guard features
- Standardized casing dimensions help ensure interchangeability with MICHELIN® line haul steer and drive casings for efficient casing management



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)	Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm				in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
11R22.5	G	21307	16	75	19.1	484	41.0	1041	11.3	288	8.25, 7.50	12.5	318	506	6175	105	2800	720	5840	105	2650	720	
275/80R22.5	G	17706	16	75	18.6	472	39.8	1012	11.0	280	8.25, 7.50	12.2	311	520	6175	110	2800	760	5675	110	2575	760	
11R24.5	G	07025	16	75	20.0	509	43.0	1093	11.3	286	8.25, 7.50	12.5	318	482	6610	105	3000	720	6005	105	2725	720	
275/80R24.5	G	33965	16	75	19.2	488	41.1	1043	10.7	272	8.25, 7.50	12.2	311	504	6175	110	2800	760	5675	110	2575	760	

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban
 Note: Wheel listed first is the measuring wheel
 (*) Exceeding the lawful speed limit is neither recommended nor endorsed.
 (‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.
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Truck Tires
Trailer Tires



More miles and exceptional handling, in a regional trailer tire

- Up to 15% more mileage than the MICHELIN® XTE2® tire, thanks to wider shoulders and an optimized tread pattern that delivers effective uniform wear and resists stone retention
- Driver confidence due to exceptional handling from tread pattern that promotes water drainage
- Extended casing life through Michelin exclusive full-width elastic protector ply, and rectangular bead bundles – providing added casing protection and reduced heat and fatigue.



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
385/55R22.5	L	33359	16	68	18.1	460	39.3	998	14.9	378	11.75, 12.25	16.9	428	530	9920	130	4500	900	-	-	-	-



Robust small diameter trailer tire designed to withstand the demands of high scrub and spread axle service on low platform and specialty trailers

- Dual compound rubber helps ensure cool operating temperatures while upper tread abrasion resistance helps keep wear rates low
- Deep, wide channels help provide excellent water evacuation throughout the life of the tire
- Lateral siping along rib edges help enhance traction and braking in adverse weather conditions
- Robust crown design with five steel belt package



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
235/75R17.5	J	01963	15	62	14.3	363	31.3	796	9.5	241	6.75, 7.50	10.3	262	668	6005	125	2725	860	5675	125	2575	860
285/70R19.5	J	37840	18	62	16.1	409	35.2	894	11.2	285	8.25, 9.00	12.7	323	594	7390	130	3350	900	6940	130	3150	900

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



Low profile radial designed for rugged, mixed trailer service

- Compound for chip and cut resistance to help resist the abusive conditions of on/off road applications
- Four steel belt construction helps deliver extra casing protection and added stability
- Extra wide protector ply extends under all major grooves and helps protect the working plies from most bruising and penetrations



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm		in	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
275/70R22.5	J	42407	21	62	17.7	450	38.2	970	10.9	276	7.50, 8.25	11.9	303	544	6940	120	3150	830	6395	120	2900	830

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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All-position radial for on/off road service

- Offset block shoulder design promotes soft soil mobility
- Application specific compound to help resist aggressions from chipping and cutting
- Zig-zag groove angles help resist stone retention and drilling



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*) mph	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
					in.	mm	in.	mm	in.	mm		in.	mm		in.	mm	lbs.	psi	kg.	kPa	lbs.	psi
12.00R24 (1)	H	29163	23	65	22.4	568	48.1	1222	12.3	313	8.50	14.1	358	431	8820	110	4000	760	8050	110	3650	760

(1) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.



All-terrain, all-position radial for special service in extremely demanding applications

- Self-cleaning, open shoulder tread design features offset elements to help enhance traction and floatation capabilities on varied terrains including snow, sand, mud and highway
- Non-directional design for versatility
- Tread pattern designed for cooler operation and robust performance
- Tubeless construction compatible with Automated Tire Inflation System (ATIS) and bead locks



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*) mph	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single			
					in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
395/85R20 (1)	J	94675	26	55	21.1	537	46.3	1176	15.4	391	10.00W, 10.00	451	12300	120	5600	830

(1) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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Please consult wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.



All-terrain, all-position radial for special service such as Emergency Response vehicles

- Self-cleaning, open shoulder tread design features offset elements to help enhance traction and flotation capabilities on varied terrains including snow, sand, mud and highway
- Non-directional design for versatility
- Full-width steel belts and elastic protector ply help provide added casing protection against most off road hazards
- Tubeless construction compatible with Automated Tire Inflation System (ATIS) and bead locks



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
16.00R20 ⁽¹⁻²⁾	M	06306	34	55	23.9	607	52.9	1343	17.2	439	10.00W, 10.00V, 10.00	19.5	495	397	14540	110	6595	760	-	-	-	-		
365/85R20	J	56389	28	55	20.4	519	45.0	1144	14.5	368	9.0, 10.0	16.4	416	465	11000	115	5000	790	-	-	-	-		
395/85R20	J	54331	33	55	21.3	542	46.8	1189	15.3	388	10.00W, 10.00V, 10.00			447	12300	120	5600	830	-	-	-	-		
24R21	H	76025	31	55	24.8	631	54.6	1388	23.9	608	18.00			383	15700	85	7100	590	-	-	-	-		

(1) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.
 (2) Limited availabilities.



All-position wide base radial designed for optimized on/off road traction

- Self-cleaning, open-shoulder tread design features offset elements to help enhance traction and flotation capabilities on soft soils
- Stable block design helps ensure a consistent footprint, even in free rolling positions, to help deliver smooth even wear and a quiet ride
- Application specific compounds help provide resistance to aggressions and abrasion common in off road service
- Full-width steel belts and elastic protector ply help protect the casing against shocks, bruising and penetrations
- Conventional 22.5" commercial sizes



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
425/65R22.5	L	53254	26	60	20.6	524	44.8	1139	16.6	421	13.00, 12.25	467	11400	120	5150	830		
445/65R22.5	L	84103	27	60	21.2	538	46.0	1168	17.6	448	14.00, 13.00	453	12300	120	5600	830		

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

Note: Wheel listed first is the measuring wheel

(*) Exceeding the lawful speed limit is neither recommended nor endorsed.

(‡) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

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The next generation all terrain radial for commercial and tactical wheeled vehicles, engineered to offer world wide mobility, enhanced tread life and improved handling in off road applications.

- Optimized tread design to provide superb highway performance as well as enhanced mobility over a wide range of terrains and conditions.
- Improved, cooler running tread compound for higher speed operations still maintaining excellent chip resistance.
- Radial design delivers a smooth, quiet ride that helps insulate occupants and shock sensitive equipment.
- Full width steel belts and elastic protector ply help provide extra casing protection against off-road hazards.
- Non directional tread design for added versatility.
- Tubeless construction compatible with Automated Tire Inflation System (ATIS) and bead locks



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
365/80R20 MPT ^(1,2)	F	36655	21	68	19.7	501	42.9	1090	14.6	372	11.00	486	7830	90	3550	620
395/85R20 ^(1,2)	J	83808	25	68	21.1	535	46.3	1176	15.3	389	10.00	452	12300	120	5600	850

(1) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.
 (2) Limited availabilities.



All-terrain, all-position radial optimized for soft- soil/mud mobility

- All-terrain non-directional computer enhanced tread design delivers exceptional soft soil mobility, through enhanced self-cleaning capabilities
- Full-width belt protection and elastic protector ply helps protect the casing from bruising and penetrations
- Offset shoulder designed for increased traction in soft soil
- Radial casing design optimized to operate at lower pressures to offer exceptional mobility and enhanced enveloping capabilities to resist impacts



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm			lbs.	psi	kg.	kPa
325/85R16 ⁽²⁾	D	37984	21	62	17.7	450	38.7	984	12.9	327	9.00	540	5070	70	2300	480
395/85R20 ^(1,2)	G	99131	30	60	21.3	541	46.7	1187	15.4	390	10.0W, 10.00, 10.00V	448	10200	100	4625	690

(1) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.
 (2) Limited availabilities.

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 Note: Wheel listed first is the measuring wheel

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High capacity tube-type drive tire designed for mostly off road application such as logging and mining

- Open shoulder design for enhanced self-cleaning capability and soft soil mobility
- Massive tread elements offer exceptional resistance to cuts and penetrations
- Application specific compound helps resist cutting, chipping and chunking common in severe off road service
- Maximum speed 50 mph*

20% Highway / 80% Off road



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (‡)		Revs Per Mile	Max. Load and Pressure Single				Max. Load and Pressure Dual			
			32nds	mph	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm		lbs.	psi	kg.	kPa	lbs.	psi	kg.	kPa
12.00R24 ⁽¹⁾	J	30049	38	50	23.1	586	49.4	1255	12.7	323	8.50, 8.00	14.1	358	422	9370	120	4250	830	8540	120	3875	830		

(1) Please refer to the Tubes and Flaps Table on Page 86. All Tubes and Flaps must be ordered separately.



Soft soil, all-position radial for special service such as Emergency Response vehicles

- Tread design optimized to minimize sandy surface disturbance
- Efficient grip with exceptional flotation capabilities



LH	R	O/O	U
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Size	Load Range	Catalog Number	Tread Depth		Max. Speed (*)		Loaded Radius		Overall Diameter		Overall Width (‡)		Approved Wheel	Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm	lbs.	psi			kg.	kPa		
24R20.5	H	23002	21	50	24.4	620	54.1	1374	23.7	602	18.00	388	15700	85	7100	590		

LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

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NOTES

Truck Tires

Trailer Tires

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

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NOTE: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 15"	PSI	75	80	85	90	95	100	105	110	115	120	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	520	550	590	620	660	690	720	760	790	830		
10.00R15 LRJ	LBS SINGLE	9530	10030	10530	11030	11510	12000	12470	12950	13420	13880	S	6940 LBS AT 120 PSI
	LBS DUAL	17560	18500	19420	20320	21220	22100	22980	23860	24720	25580	D	6395 LBS AT 120 PSI
XTA	KG SINGLE	4320	4550	4780	5000	5220	5440	5660	5870	6090	6300	S	3150 KG AT 830 kPa
	KG DUAL	7970	8390	8810	9220	9630	10020	10420	10820	11210	11600	D	2900 KG AT 830 kPa

Wheel Diameter 16"	PSI	25	30	35	40	45	50	55	60	65	70	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	170	210	45	50	310	340	380	410	450	480		
325/85R16 LRD XML	LBS SINGLE	4450	5150	5820	6480	7120	7750	8360	8960	9560	10140	S	5070 LBS at 70 PSI
	KG SINGLE	2020	2340	2640	2940	3230	3520	3790	4060	4340	4600	S	2300 KG at 480 kPa

Wheel Diameter 17.5"	PSI	55	60	65	70	75	80	85	90	95	100	105	110	115	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	380	410	450	480	520	550	590	620	660	690	720	760	790		
10R17.5 LRG	LBS SINGLE							7720	8010	8300	8600	8940	9280	9610	S	4805 LBS at 115 PSI
	LBS DUAL							14560	15140	15720	16320	16940	17560	18160	D	4540 LBS at 115 PSI
XZA	KG SINGLE							3500	3640	3780	3900	4060	4220	4360	S	2180 KG at 790 kPa
	KG DUAL							6600	6880	7160	7400	7680	7960	8240	D	2060 KG at 790 kPa
215/75R17.5 LRG	LBS SINGLE	4650	4980	5310	5640	5960	6270	6590	6890	7200	7500				S	3750 LBS at 100 PSI
	LBS DUAL	8740	9380	9980	10600	11200	11800	12380	12960	13540	14100				D	3525 LBS at 100 PSI
XZE2	KG SINGLE	2110	2240	2410	2560	2700	2840	2990	3130	3270	3400				S	1700 KG at 690 kPa
	KG DUAL	3960	4240	4530	4810	5080	5350	5620	5880	6140	6400				D	1600 KG at 690 kPa

Wheel Diameter 17.5"	PSI	75	80	85	90	95	100	105	110	115	120	125	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	520	550	590	620	660	690	720	760	790	830	860		
215/75R17.5 LRJ	LBS SINGLE	6750	7080	7390	7720	8020	8360	8660	8990	9300	9610		S	4805 LBS AT 120 PSI
	LBS DUAL	12790	13400	14000	14590	15190	15780	16380	16980	17570	18160		D	4540 LBS AT 120 PSI
XTA	KG SINGLE	3062	3211	3352	3502	3638	3792	3928	4078	4218	4360		S	2180 KG AT 830 kPa
	KG DUAL	5802	6078	6350	6618	6890	7158	7430	7702	7970	8240		D	2060 KG AT 830 kPa
235/75R17.5 LRJ	LBS SINGLE		8400	8820	9230	9640	10050	10450	10840	11240	11620	12010	S	6005 LBS AT 125 PSI
	LBS DUAL		15880	16680	17460	18220	18980	19740	20500	21240	21980	22700	D	5675 LBS AT 125 PSI
XTE2	KG SINGLE		3820	4040	4200	4400	4560	4720	4940	5100	5300	5450	S	2725 KG AT 860 kPa
	KG DUAL		7200	7600	7920	8320	8640	8920	9320	9640	10000	10300	D	2575 KG AT 860 kPa
245/70R17.5 LRJ	LBS SINGLE		8400	8820	9230	9640	10050	10450	10840	11240	11620	12010	S	6005 LBS AT 125 PSI
	LBS DUAL		15880	16680	17460	18220	18980	19740	20500	21240	21980	22700	D	5675 LBS AT 125 PSI
XTA2 ENERGY	KG SINGLE		3820	4040	4200	4400	4560	4720	4940	5100	5300	5450	S	2725 KG AT 860 kPa
	KG DUAL		7200	7600	7920	8320	8640	8920	9320	9640	10000	10300	D	2575 KG AT 860 kPa

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

To select the proper load and inflation table, locate your tire size in the following pages, then match your tire's sidewall markings to the table with the same sidewall markings. If your tire's sidewall markings do not match any table listed, please contact your Michelin dealer for the applicable load and inflation table.

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NOTE: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 19.5"	PSI	65	70	75	80	85	90	95	100	105	110	115	120	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	450	480	520	550	590	620	660	690	720	760	790	830	
225/70R19.5 LRF XDS2 XZE	LBS SINGLE	5510	5790	6080	6390	6630	6900	7280						S 3640 LBS at 95 PSI
	LBS DUAL	10400	10880	11440	12000	12460	12980	13660						D 3415 LBS at 95 PSI
	KG SINGLE	2500	2620	2760	2900	3000	3140	3300						S 1650 KG at 660 kPa
	KG DUAL	4720	4920	5200	5440	5640	5880	6200						D 1550 KG at 660 kPa
225/70R19.5 LRG XDS2 XZE	LBS SINGLE	5510	5790	6080	6390	6630	6900	7280	7430	7690	7940			S 3970 LBS at 110 PSI
	LBS DUAL	10400	10880	11440	12000	12460	12980	13660	13960	14460	15000			D 3750 LBS at 110 PSI
	KG SINGLE	2500	2620	2760	2900	3000	3140	3300	3380	3480	3600			S 1800 KG at 760 kPa
	KG DUAL	4720	4920	5200	5440	5640	5880	6200	6320	6560	6800			D 1700 KG at 760 kPa
245/70R19.5 LRH XDS2 XZE	LBS SINGLE			6780	7140	7500	7850	8200	8540	8880	9220	9550	9880	S 4940 LBS at 120 PSI
	LBS DUAL			12840	13520	14200	14860	15520	16160	16800	17440	18080	18700	D 4675 LBS at 120 PSI
	KG SINGLE			3080	3240	3400	3560	3720	3870	4030	4180	4330	4480	S 2240 KG at 830 kPa
	KG DUAL			5820	6130	6440	6740	7040	7330	7620	7910	8200	8480	D 2120 KG at 830 kPa
265/70R19.5 LRG XDE2+ XZE2+	LBS SINGLE	7230	7680	8110	8540	8970	9390	9800	10210	10620	11020			S 5510 LBS at 110 PSI
	LBS DUAL	13660	14500	15320	16140	16940	17740	18520	19300	20060	20820			D 5205 LBS at 110 PSI
	KG SINGLE	3280	3480	3700	3860	4080	4240	4460	4620	4780	5000			S 2500 KG at 760 kPa
	KG DUAL	6200	6520	6960	7280	7720	8040	8440	8720	9040	9440			D 2360 KG at 760 kPa
265/70R19.5 LRJ X LINE ENERGY T	LBS SINGLE			8250	8680	9110	9540	9960	10380	10790	11200	11610	12010	S 6005 LBS at 123 PSI
	LBS DUAL			15580	16420	17220	18040	18840	19620	20400	21180	21940	22700	D 5675 LBS at 123 PSI
	KG SINGLE			3740	3920	4140	4320	4540	4700	4860	5080	5240	5450	S 2725 KG at 850 kPa
	KG DUAL			7070	7400	7840	8160	8560	8880	9200	9600	9920	10300	D 2575 KG at 850 kPa
285/70R19.5 LRH XDE2+ XZE2+	LBS SINGLE			8780	9250	9710	10160	10610	11050	11490	11930	12360	12790	S 6395 LBS at 120 PSI
	LBS DUAL			16500	17360	18220	19080	19920	20760	21580	22400	23220	24020	D 6005 LBS at 120 PSI
	KG SINGLE			3980	4180	4420	4600	4820	5000	5180	5400	5580	5800	S 2900 KG at 830 kPa
	KG DUAL			7480	7840	8280	8640	9080	9400	9720	10160	10480	10900	D 2725 KG at 830 kPa

Truck Tires

Wheel Diameter 19.5"	PSI	75	80	85	90	95	100	105	110	115	120	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	520	550	590	620	660	690	720	760	790	830	860	900	
285/70R19.5 LRJ XTE2	LBS SINGLE			10520	11010	11500	11980	12460	12930	13400	13860	14320	14780	S 7390 LBS at 130 PSI
	LBS DUAL			19760	20680	21600	22500	23400	24280	25160	26040	26920	27760	D 6940 LBS at 130 PSI
	KG SINGLE			4770	4990	5220	5430	5650	5860	6080	6290	6500	6700	S 3350 KG at 900 kPa
	KG DUAL			8960	9380	9800	10210	10610	11010	11410	11810	12210	12600	D 3150 KG at 900 kPa
305/70R19.5 LRJ XZA	LBS SINGLE	9530	10030	10530	11030	11510	12000	12470	12950	13420	13880			S 6940 LBS at 120 PSI
	LBS DUAL	17560	18500	19420	20320	21220	22100	22980	23860	24720	25580			D 6395 LBS at 120 PSI
	KG SINGLE	4340	4540	4800	4980	5240	5440	5620	5880	6060	6300			S 3150 KG at 830 kPa
	KG DUAL	7960	8360	8840	9200	9640	1000	10360	10800	11160	11600			D 2900 KG at 830 kPa
445/45R19.5 LRM XTA2+ ENERGY	LBS SINGLE			14120	14780	15440	16080	16720	17360	17980	18600	19220	19840	S 9920 LBS at 130 PSI
	KG SINGLE			6420	6680	7020	7280	7520	7860	8100	8440	8680	9000	S 4500 KG at 900 kPa

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

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NOTE: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 20"	PSI	45	50	55	60	65	70	75	80	85	90	95	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	310	340	380	410	450	480	520	550	590	620	660	
365/80R20 MPT LRF	LBS SINGLE	8990	9790	10560	11320	12070	12810	13540	14260	14960	15660		S 7830 LBS AT 90 PSI
XZL2	KG SINGLE	4080	4400	4800	5100	5500	5780	6160	6460	6820	7100		S 3550 KG AT 620 kPa

Wheel Diameter 20"	PSI	65	70	75	80	85	90	95	100	105	110	115	120	125	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	450	480	520	550	590	620	660	690	720	760	790	830	850	
16.00R20 LRM	LBS SINGLE	19100	20200	21400	22600	23600	24800	25800	27000	28000	29080				S 14540 LBS at 110 PSI
XZL	KG SINGLE	8680	9140	9740	10180	10780	11200	11780	12200	12640	13190				S 6595 KG at 760 kPa
365/80R20 LRJ	LBS SINGLE		14780	15620	16460	17280	18080	18880	19680	20400	21200	22000			S 11000 LBS at 115 PSI
XZL	KG SINGLE		6720	7160	7480	7920	8240	8660	8980	9280	9700	10000			S 5000 KG at 790 kPa
395/85R20 LRG	LBS SINGLE	14460	15340	16200	17060	17920	18760	19580	20400						S 10200 LBS at 100 PSI
XML	KG SINGLE	6580	6920	7380	7220	8160	8500	8920	9250						S 4625 KG at 690 kPa
395/85R20 LRJ	LBS SINGLE			16900	17780	18660	19540	20400	21200	22200	23000	23800	24600		S 12300 LBS at 125 PSI
XZL XZL+	KG SINGLE			7700	8060	8520	8860	9320	9660	10000	10440	10760	11200		S 5600 KG at 860 kPa
395/85R20 LRJ	LBS SINGLE				17220	18060	18920	19760	20600	21400	22200	23000	23800	24600	S 12300 LBS at 125 PSI
XZL2	KG SINGLE				7810	8190	8580	8960	9340	9710	10700	10430	10800	11200	S 5600 KG at 850 kPa

Wheel Diameter 20.5"	PSI	40	45	50	55	60	65	70	75	80	85	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	280	310	340	380	410	450	480	520	550	590	
24R20.5 LRH	LBS SINGLE	17180	18880	20600	22200	23800	25400	26800	28400	30000	31400	S 15700 LBS at 85 PSI
XS	KG SINGLE	7820	8480	9140	9980	10620	11440	12040	12840	13420	14200	S 7100 KG AT 590 kPa

Wheel Diameter 21"	PSI	40	45	50	55	60	65	70	75	80	85	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	280	310	340	380	410	450	480	520	550	590	
24R21 LRH	LBS SINGLE	17180	18880	20600	22200	23800	25400	26800	28400	30000	31400	S 15700 LBS at 85 PSI
XZL	KG SINGLE	7820	8480	9140	9980	10620	11440	12040	12840	13420	14200	S 7100 KG at 590 kPa

Truck Tires

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

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D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 22.5"	PSI	70	75	80	85	90	95	100	105	110	115	120	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	480	520	550	590	620	660	690	720	760	790	830	
10R22.5 LRG XDE M/S XZE	LBS SINGLE	8160	8560	8960	9350	9700	10050	10410	10720	11030	11350		S 5675 LBS AT 115 PSI
	LBS DUAL	15440	16180	16920	17640	18340	19040	19760	20300	20840	21420		D 5355 LBS AT 115 PSI
	KG SINGLE	3700	3880	4060	4240	4400	4560	4720	4860	5000	5150		S 2575 KG AT 790 kPa
	KG DUAL	7000	7320	7640	8000	8320	8640	8960	9200	9440	9720		D 2430 KG AT 790 kPa
11R22.5 LRG X LINE ENERGY D X LINE ENERGY T X MULTI ENERGY D X MULTI ENERGY Z XDA5+ XDE M/S XDN2 XTE XZA3+ EVERTREAD XZE2 (Standard) XZY3	LBS SINGLE	9060	9540	9980	10440	11020	11460	11900	12350				S 6175 LBS AT 105 PSI
	LBS DUAL	17520	18320	19040	19800	20820	21660	22500	23360				D 5840 LBS AT 105 PSI
	KG SINGLE	4100	4320	4520	4740	5000	5200	5400	5600				S 2800 KG AT 720 kPa
	KG DUAL	7960	8320	8640	9000	9440	9840	10240	10600				D 2650 KG AT 720 kPa
11R22.5 LRH X MULTI ENERGY Z X WORKS XDY XDY3 XDE M/S * XDN2 XDS2 (Standard) XZA3+ EVERTREAD XZE2 (Standard) XZY3	LBS SINGLE		9540	9980	10440	11020	11460	11900	12350	12640	12930	13220	S 6610 LBS AT 120 PSI
	LBS DUAL		18320	19040	19800	20820	21660	22500	23360	23580	23800	24020	D 6005 LBS AT 120 PSI
	KG SINGLE		4320	4520	4740	5000	5200	5400	5600	5740	5880	6000	S 3000 KG AT 830 kPa
	KG DUAL		8320	8640	9000	9440	9840	10240	10600	10720	10840	10900	D 2725 KG AT 830 kPa
11R22.5 LRH XZU 3	LBS SINGLE		9530	10030	10530	11030	11510	12000	12470	12950	13420	13880	S 6940 LBS AT 120 PSI
	LBS DUAL		17560	18500	19420	20320	21220	22100	22980	23860	24720	25580	D 6395 LBS AT 120 PSI
	KG SINGLE		4320	4540	4800	4980	5240	5440	5620	5880	6060	6300	S 3150 KG AT 830 kPa
	KG DUAL		7960	8360	8840	9200	9640	10000	10360	10800	11600	11600	D 2900 KG AT 830 kPa
12R22.5 LRH XDN2 XDS XZE * XZY3	LBS SINGLE		10400	10900	11380	12010	12410	12810	13220	13740	14260	14780	S 7390 LBS AT 120 PSI
	LBS DUAL		19960	20760	21560	22700	23140	23580	24020	25060	26100	27120	D 6780 LBS AT 120 PSI
	KG SINGLE		4720	4940	5160	5450	5640	5820	6000	6240	6480	6700	S 3350 KG AT 830 kPa
	KG DUAL		9040	9400	9760	10300	10520	10720	10900	11360	11840	12300	D 3075 KG AT 830 kPa

* With chip and cut resistant tread compound.
More Wheel Diameter 22.5" continues on the next page.

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

To select the proper load and inflation table, locate your tire size in the following pages, then match your tire's sidewall markings to the table with the same sidewall markings. If your tire's sidewall markings do not match any table listed, please contact your Michelin dealer for the applicable load and inflation table.

Industry load and inflation standards are in a constant state of change, and Michelin continually updates its product information to reflect these changes. Printed material may not reflect the latest load and inflation standards.

NOTE: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 22.5"	PSI	70	75	80	85	90	95	100	105	110	115	120	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	480	520	550	590	620	660	690	720	760	790	830	860	900	
235/80R22.5 LRG XZE	LBS SINGLE	6940	7290	7720	7950	8280	8600	8910	9220	9350					S 4675 LBS at 110 PSI
	LBS DUAL	12640	13260	14100	14460	15060	15880	16220	16780	17640					D 4410 LBS AT 110 PSI
	KG SINGLE	3140	3300	3500	3600	3760	3900	4040	4180	4240					S 2120 KG AT 760 kPa
	KG DUAL	5720	6000	6400	6560	6840	7200	7360	7600	8000					D 2000 KG AT 760 kPa
255/70R22.5 LRH XD2 XZE *	LBS SINGLE			8380	8740	9100	9350	9790	10130	10410	10800	11020			S 5510 LBS AT 120 PSI
	LBS DUAL			15880	16440	17100	17640	17820	18440	18700	19660	20280			D 5070 LBS AT 120 PSI
	KG SINGLE			3800	3960	4120	4240	4440	4600	4720	4900	5000			S 2500 KG AT 830 kPa
	KG DUAL			7200	7440	7760	8000	8080	8360	8480	8920	9200			D 2300 KG AT 830 kPa
255/80R22.5 LRG XZE	LBS SINGLE	7750	8140	8600	8880	9240	9610	9950	10300	10410					S 5205 LBS AT 110 PSI
	LBS DUAL	14100	14820	15440	16160	16820	17640	18100	18740	19220					D 4805 LBS AT 110 PSI
	KG SINGLE	3520	3700	3900	4020	4200	4360	4520	4680	4720					S 2360 KG AT 760 kPa
	KG DUAL	6400	6720	7000	7320	7640	8000	8200	8520	8720					D 2180 KG AT 760 kPa
275/70R22.5 LRJ XTY2	LBS SINGLE		9530	10030	10530	11030	11510	12000	12470	12950	13420	13880			S 6940 LBS AT 120 PSI
	LBS DUAL		17560	18500	19420	20320	21220	22100	22980	23860	24720	25580			D 6395 LBS AT 120 PSI
	KG SINGLE		4340	4540	4800	4980	5240	5440	5620	5880	6060	6300			S 3150 KG AT 830 kPa
	KG DUAL		7960	8360	8840	9200	9640	10000	10360	10800	11160	11600			D 2900 KG AT 830 kPa
275/70R22.5 LRJ XZA2 ENERGY XZE2+	LBS SINGLE				9880	10340	10800	11250	11700	12140	12580	13020	13460	13880	S 6940 LBS AT 130 PSI
	LBS DUAL				19420	20320	21220	22100	22980	23860	24720	25580			D 6395 LBS AT 120 PSI
	KG SINGLE				4480	4690	4900	5100	5310	5510	5710	5910	6110	6300	S 3150 KG AT 900 kPa
	KG DUAL				8810	9220	9630	10020	10420	10820	11210	11600			D 2900 KG AT 830 kPa
275/70R22.5 LRJ X INCITY Z	LBS SINGLE				9880	10340	10800	11250	11700	12140	12580	13020	13460	13880	S 6940 LBS AT 130 PSI
	LBS DUAL				18200	19060	19900	20740	21560	22380	23299	24000	24780	25580	D 6395 LBS AT 120 PSI
	KG SINGLE				4500	4680	4920	5100	5280	5500	5680	5900	6080	6300	S 3150 KG AT 900 kPa
	KG DUAL				8280	8600	9040	9360	9720	10120	10440	10880	11200	11600	D 2900 KG AT 830 kPa
275/80R22.5 LRG X LINE ENERGY D X LINE ENERGY T X MULTI ENERGY D XDA ENERGY XDA5+ XDE M/S XDN2 XTE XZA3+ EVERTREAD XZE2 (Standard)	LBS SINGLE	9000	9450	9880	10310	10740	11020	11560	11960	12350					S 6175 LBS AT 110 PSI
	LBS DUAL	16380	17200	18160	18760	19540	20280	21040	21760	22700					D 5675 LBS AT 110 PSI
	KG SINGLE	4080	4280	4480	4680	4880	5000	5240	5420	5600					S 2800 KG AT 760 kPa
	KG DUAL	7440	7800	8240	8520	8880	9200	9560	9880	10300					D 2575 KG AT 760 kPa
275/80R22.5 LRH X MULTI ENERGY Z XDE2+ XZA3+ EVERTREAD XZE	LBS SINGLE		9830	10350	10870	11380	11880	12380	12870	13360	13840	14320			S 7160 LBS AT 120 PSI
	LBS DUAL		18160	19120	20060	21000	21940	22860	23760	24660	25560	26440			D 6610 LBS AT 120 PSI
	KG SINGLE		4480	4680	4940	5140	5420	5600	5800	6060	6240	6500			S 3250 KG AT 830 kPa
	KG DUAL		8240	8640	9120	9520	10000	10360	10720	11200	11520	12000			D 3000 KG AT 830 kPa

* With chip and cut resistant tread compound.
More Wheel Diameter 22.5" continues on the next page.

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

To select the proper load and inflation table, locate your tire size in the following pages, then match your tire's sidewall markings to the table with the same sidewall markings. If your tire's sidewall markings do not match any table listed, please contact your Michelin dealer for the applicable load and inflation table.

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NOTE: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 22.5"	PSI	75	80	85	90	95	100	105	110	115	120	123	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL
	kPa	520	550	590	620	660	690	720	760	790	830	850	860	900	
295/60R22.5 LRJ	LBS SINGLE			10520	11010	11500	11980	12460	12930	13400	13860		14320	14780	S 7390 LBS at 130 PSI
	LBS DUAL			19300	20200	21100	21980	22860	23720	24580	25440		26280	27120	D 6780 LBS at 130 PSI
X MULTIWAY XD XZA2 ENERGY	KG SINGLE			4770	4990	5220	5430	5650	5860	6080	6290		6460	6700	S 3350 KG at 900 kPa
	KG DUAL			8750	9160	9570	9970	10370	10760	11150	11540		11920	12300	D 3075 KG at 900 kPa
295/80R22.5 LRH X MULTIWAY 3D XZE XZA2 ENERGY XZE2+	LBS SINGLE	10750	11320	11880	12440	12990	13540	14080	14600	15140	15660				S 7830 LBS at 120 PSI
	LBS DUAL	19060	20060	21060	22060	23020	24000	24940	25900	26840	27760				D 6940 LBS at 120 PSI
	KG SINGLE	4880	5100	5400	5620	5920	6140	6390	6620	6870	7100				S 3550 KG at 830 kPa
	KG DUAL	8650	9100	9550	10010	10440	10890	11310	11750	12170	12600				D 3150 KG at 830 kPa
295/80R22.5 LRH X COACH HL Z			11270	12310	12880	13460	14620	14580	15120	15680	16220	16540			S 8270 LBS at 123 PSI
			20300	21320	22300	23300	24260	25240	26200	27120	28080	28640			D 7160 LBS at 123 PSI
			5300	5600	5820	6120	6340	6560	6860	7080	7360	7500			S 3750 KG at 850 kPa
			9160	9720	10120	10600	11000	11400	11880	12280	12760	13000			D 3250 KG at 850 kPa
305/70R22.5 LRL X INCITY Z	LBS SINGLE			11150	11670	12180	12700	13200	13700	14200	14680		15180	15660	S 7830 LBS at 120 PSI
	LBS DUAL			21040	22020	23000	23960	24920	25860	26800	27720		28640	29560	D 6940 LBS at 120 PSI
	KG SINGLE			5060	5260	5540	5740	5940	6288	6400	6660		6840	7100	S 3550 KG at 830 kPa
	KG DUAL			9560	9960	10440	10840	11200	11700	12080	12560		12920	13400	D 3150 KG at 830 kPa
305/85R22.5 LRJ X INCITY Z	LBS SINGLE		11680	12200	12700	13220	13660	14140	14780	15140	15660				S 7830 LBS at 120 PSI
	LBS DUAL		21420	22200	23120	24020	24860	25740	27120	27680	28640				D 7160 LBS at 120 PSI
	KG SINGLE		5300	5540	5760	6000	6200	6420	6700	6820	7100				S 3550 KG at 830 kPa
	KG DUAL		9720	10080	10480	10900	11280	11680	12300	12480	13000				D 3250 KG at 830 kPa
315/80R22.5 LRL X WORKS XDY XDN2 GRIP XZA1 XZA2 ENERGY XZY3	LBS SINGLE			12830	13340	13880	14380	14880	15220	15840	16540		17380	18180	S 9090 LBS at 130 PSI
	LBS DUAL			23360	24280	25580	26180	27080	27760	28840	30440		31640	33080	D 8270 LBS at 130 PSI
	KG SINGLE			5820	6060	6300	6520	6740	6900	7180	7500		7880	8250	S 4125 KG at 900 kPa
	KG DUAL			10600	11000	11600	11880	12280	12600	13080	13800		14360	15000	D 3750 KG at 900 kPa
315/80R22.5 LRL XZU S2	LBS SINGLE			14240	14900	15560	16220	16860	17500	18140	18760		19380	20000	S 10000 LBS at 130 PSI
	LBS DUAL			23540	24640	25740	26800	27880	28960	30000	31040		32040	33080	D 8270 LBS at 130 PSI
	KG SINGLE			6460	6740	7080	7340	7580	7920	8180	8500		8740	9070	S 4535 KG at 900 kPa
	KG DUAL			10680	11120	11720	12120	12560	13120	13520	14040		14480	15000	D 3750 KG at 900 kPa
365/70R22.5 LRL XZA	LBS SINGLE		14700	15420	16140	16860	17560	18260	18960	19640	20400		21000		S 10500 LBS at 125 PSI
	KG SINGLE		6640	7020	7320	7680	7960	8240	8600	8880	9240		9500		S 4750 KG at 860 kPa

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

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NOTE: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 22.5"	PSI	75	80	85	90	95	100	105	110	115	120	120	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	520	550	590	620	660	690	720	760	790	825	830	860	900		
385/55R22.5 LRL X MULTI T	LBS SINGLE			14120	14780	15440	16080	16720	17360	17980	18600		19220	19840	S	9920 LBS at 130 PSI
	KG SINGLE			6420	6680	7020	7280	7520	7860	8100	8440		8680	9000	S	4500 KG at 900 kPa
385/65R22.5 LRJ XZY3 WB	LBS SINGLE	13440	13880	14700	15300	16100	16460	17020	17640	18100	18740				S	9370 LBS at 120 PSI
	KG SINGLE	6120	6300	6700	6940	7300	7480	7700	8000	8200	8500				S	4250 KG at 830 kPa
385/65R22.5 LRL XFE WB STEER	LBS SINGLE			14120	14780	15440	16080	16720	17360	17980	18600		19220	19840	S	9920 LBS at 130 PSI
	KG SINGLE			6420	6680	7520	7280	7520	7860	8100	8440		8680	9000	S	4500 KG at 900 kPa
425/65R22.5 LRL XZL WB XZU S WB XZY3 WB	LBS SINGLE	15980	16540	17480	18200	18740	19580	20200	21000	21400		22800			S	11400 LBS at 120 PSI
	KG SINGLE	7280	7500	7960	8260	8500	8880	9160	9500	9760		10300			S	5150 KG at 830 kPa
425/65R22.5 LRL XFE WB STEER	LBS SINGLE	15660	16480	17300	18120	18920	19700	20400	21200	22000	22800				S	11400 LBS at 120 PSI
	KG SINGLE	7080	7420	7850	8220	8580	8940	9250	9620	9980	10300				S	5150 KG at 825 kPa
445/50R22.5 LRL X ONE LINE ENERGY D X ONE LINE ENERGY T X ONE MULTI ENERGY T X ONE XDN2	LBS SINGLE	13880	14620	15360	16060	16780	17480	18180	18740	19560		20400			S	10200 LBS at 120 PSI
	KG SINGLE	6300	6640	6960	7280	7620	7940	8240	8500	8860		9250			S	4625 KG at 830 kPa
445/65R22.5 LRL XZL WB	LBS SINGLE	17320	18180	18960	19740	20400	21200	22000	22800	23400		24600			S	12300 LBS at 120 PSI
	KG SINGLE	7900	8250	8640	8940	9250	9640	9920	10300	10580		11200			S	5600 KG at 830 kPa
445/65R22.5 LRL XZY3 WB	LBS SINGLE			18220	19080	19920	20800	21600	22400	23200		24000	24800	25600	S	12800 LBS at 130 PSI
	KG SINGLE			8280	8600	9060	9380	9700	10140	10460		10880	11180	11600	S	5800 KG at 900 kPa
445/65R22.5 LRM XFE WB STEER	LBS SINGLE			18220	19080	19920	20800	21600	22400	23200		24000	24800	25600	S	12800 LBS at 130 PSI
	KG SINGLE			8280	8600	9060	9380	9700	10140	10460		10880	11180	11600	S	5800 KG at 900 kPa
455/55R22.5 LRL X ONE XDN2 X ONE MULTI ENERGY T	LBS SINGLE	15000	15800	16580	17360	18120	18880	19640	20400	21200		22000			S	11000 LBS at 120 PSI
	KG SINGLE	6800	7160	7520	7880	8220	8560	8900	9250	9580		10000			S	5000 KG at 830 kPa
455/55R22.5 LRM X ONE XZU S X ONE XZY3	LBS SINGLE			16580	17360	18120	18880	19640	20400	21200		22000	22600	23400	S	11700 LBS at 130 PSI
	KG SINGLE			7520	7880	8220	8560	8900	9250	9580		10000	10240	10600	S	5300 KG at 900 kPa

MICHELIN INFLATION CHARTS FOR TRUCK TIRES

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NOTE: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration, or 2 tires per axle.

D = Dual configuration, or 4 tires per axle.

Loads are indicated per axle.

Wheel Diameter 24"	PSI	70	75	80	85	90	95	100	105	110	115	120	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	480	520	550	590	620	660	690	720	760	790	830		
12.00R24 LRH XZY	LBS SINGLE	12660	13320	13960	14560	15160	16100	16620	17140	17640			S	8820 LBS at 110 PSI
	LBS DUAL	24480	25560	26600	27640	28640	29560	30440	31320	32200			D	8050 LBS at 110 PSI
	KG SINGLE	5740	6040	6340	6600	6880	7300	7540	7780	8000			S	4000 KG at 760 kPa
	KG DUAL	11120	11440	12080	12560	13000	13400	13800	14200	14600			D	3650 KG at 760 kPa
12.00R24 LRJ XDL	LBS SINGLE		13320	13960	14560	15160	16100	16620	17140	17640	18200	18740	S	9370 LBS at 120 PSI
	LBS DUAL		25560	26600	27640	28640	29560	30440	31320	32200	33200	34160	D	8540 LBS at 120 PSI
	KG SINGLE		6040	6340	6600	6880	7300	7540	7780	8000	8260	8500	S	4250 KG at 830 kPa
	KG DUAL		11440	12080	12560	13000	13400	13800	14200	14600	15040	15500	D	3875 KG at 830 kPa

Wheel Diameter 24.5"	PSI	70	75	80	85	90	95	100	105	110	115	120	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	480	520	550	590	620	660	690	720	760	790	830		
11R24.5 LRG X LINE ENERGY D XDA5+ XDE M/S XDN2 XTE XZA3+ EVERTREAD XZE 2 XZY3	LBS SINGLE	9640	10140	10620	11100	11680	12190	12700	13220				S	6610 LBS at 105 PSI
	LBS DUAL	18640	19480	20280	21040	22040	22700	23360	24020				D	6005 LBS at 105 PSI
	KG SINGLE	4380	4600	4820	5040	5300	5540	5780	6000				S	3000 KG at 720 kPa
	KG DUAL	8440	8840	9200	9560	10000	10320	10640	10900				D	2725 KG at 720 kPa
11R24.5 LRH X MULTI ENERGY D X LINE ENERGY T X WORKS XDY XDA5+ XDE M/S* XDN2 XDS2 XDY3 XDY-EX2 XZE 2 XZY3	LBS SINGLE		10140	10620	11100	11680	12190	12700	13220	13580	13940	14320	S	7160 LBS at 120 PSI
	LBS DUAL		19480	20280	21040	22040	22700	23360	24020	24820	25620	26440	D	6610 LBS at 120 PSI
	KG SINGLE		4600	4820	5040	5300	5540	5780	6000	6160	6320	6500	S	3250 KG at 830 kPa
	KG DUAL		8840	9200	9560	10000	10320	10640	10900	11280	11640	12000	D	3000 KG at 830 kPa
12R24.5 LRH XZY3	LBS SINGLE		11040	11580	12080	12790	13300	13820	14320	14760	15200	15660	S	7830 LBS at 120 PSI
	LBS DUAL		21200	22080	22920	23360	24380	25400	26440	27160	27880	28640	D	7160 LBS at 120 PSI
	KG SINGLE		5000	5260	5480	5800	6040	6280	6500	6700	6900	7100	S	3550 KG at 830 kPa
	KG DUAL		9600	10000	10400	10600	11080	11560	12000	12320	12640	13000	D	3250 KG at 830 kPa
275/80R24.5 LRG X LINE ENERGY D X LINE ENERGY T XDA5+ XDN2 XTE XZA3+ EVERTREAD XZE 2	LBS SINGLE	9090	9540	9880	10420	10840	11350	11670	12080	12350			S	6175 LBS at 110 PSI
	LBS DUAL	16540	17360	18160	18960	19720	20820	21240	21980	22700			D	5675 LBS at 110 PSI
	KG SINGLE	4120	4320	4480	4720	4920	5150	5300	5480	5600			S	2800 KG at 760 kPa
	KG DUAL	7480	7880	8240	8600	8960	9440	9640	9960	10300			D	2575 KG at 760 kPa
305/75R24.5 LRJ XDA5 XZE 2	LBS SINGLE		11360	11960	12550	13140	13720	14300	14860	15420	15980	16540	S	8270 LBS at 120 PSI
	LBS DUAL		19660	20700	21740	22760	23760	24760	25740	26720	27680	28640	D	7160 LBS at 120 PSI
	KG SINGLE		5160	5400	5700	5940	6240	6460	6700	6980	7200	7500	S	3750 KG at 830 kPa
	KG DUAL		8960	9360	9880	10230	10840	11200	11600	12120	12480	13000	D	3250 KG at 830 kPa



Retread Products



Retread Products

MICHELIN® RETREADS QUICK REFERENCE TREAD GUIDE

Product Availability (Tread Depth in Shaded Boxes)

STANDARD SIZES

Tread Size	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280
Size \ # DIE			162\#4	168\#5	177\#6	194\#7	203\#8	211\#8.5N	219\#9	225\#9.5	232\#10	238\#10.5	252\#12		
Spread Axle Sizes ⁽¹⁾						185/225	195/235	205/245	215/255	225/265	245/285				
X® LINE™ ENERGY D									21	21	21				
XDA2® 23 AT*								23	23	23	23				
XDA2® 19 AT*									19	19					
XDA-HT <i>High Torque</i>							28	28	28	28	28	28	28		
XDA®														25	
XD4®								28	28	28					
XDN®2									27	27	27				
XDHT® ⁽²⁾					19	23	23	23	23	23	23	23			
XDC® LL								14	14						
XDC® 22						22	22	22	22	22					
XDC® 18									18	18					
XM+S4®				21	21	21	21	21	21	21					
XDE® M/S				18	18	20	20	22	22	22	26	26			
XDS®2								25	25	25	25	25			
XDU®S									32	32	32	32			32
XDY®							26	26	26	26	26	32	32		
XDY-1™								30	30	30	30	30			
XDY-EX™									32	32	32				
XZA® ⁽²⁾	13	13	13	13	13	15	15	15	15	15		20			
XZE® ⁽²⁾				16	18	18	18	18	18	18					
XZE2™												20	20	20	
XZE® SA						18	18	18	18	18	18				
XZU®2											24	24	24		
XZU®S									26	26	26	26			26
XZY®							18	18	18	18	18	18	20		
XZY®3								24	24	24	24	24	24		24
XT-1® AT* ⁽²⁾							12	12	12	12		12			
XTA®-1 ⁽²⁾						11	11	11	11	11		11			
XTA®												16		16	
XTY® SA							22	22	22						

Retread Products

For up-to-date product information please visit www.michelintruck.com

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

(2) Available siped. Consult Michelin Retread Technologies dealers for availability.

* AT designated Advanced Technology™ Compounds for fuel savings.

- Federal Motor Carrier Safety Regulations, 9 C.F.R. § 395.75 (d), specify that "no bus shall be operated with regrooved, recapped or retreaded tires on the front wheels."

- Retread tread selection should always consider the casing's original service application design and speed limit as published in that tire manufacturer's data book.

Applying treads intended for a more severe service / speed application than the original casing design or that would imply a higher speed service than the casing's original speed rating, is generally not recommended.

MICHELIN® RETREADS QUICK REFERENCE TREAD GUIDE

Product Availability (Tread Depth in Shaded Boxes)

WIDE BASE AND MICHELIN® X ONE® RETREAD SIZES

Tread Size	290/345 ⁽¹⁾	320/365 ⁽¹⁾	350/395 ⁽¹⁾	375/425 ⁽¹⁾	385/435 ⁽¹⁾	390	390/430 ⁽¹⁾	400
XTE2® Wide Base	20							
XZA® Wide Base	19	19	19					
XZH™ Wide Base			20					
XZL™ Wide Base			30					
XZY® Wide Base		20						
XZY®3 Wide Base	22							
X ONE® LINE™ ENERGY D				22				
X ONE® LINE™ ENERGY T				13				
X ONE® MULTI™ ENERGY T ⁽²⁾				15	15			
X ONE® XDA-HT						26		26
X ONE® XDN®2				27	27			
X ONE® XTA®				13				
X ONE® XTE®				16	16			
X ONE® XZU®S							23	

For up-to-date product information please visit www.michelintruck.com

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

(2) Coming soon.

– Retread tread selection should always consider the casing's original service application design and speed limit as published in that tire manufacturer's data book. Applying treads intended for a more severe service / speed application than the original casing design or that would imply a higher speed service than the casing's original speed rating, is generally not recommended.

CUSTOM MOLD™ TREAD GUIDE

Size	245/70R19.5	11R22.5	11R24.5	275/80R22.5	275/80R24.5	425/65R22.5	445/50R22.5
XDA2® 23 AT*		23	23	23	23		
XD4®				28	28		
XDN®		25					
XDHT®		23	23	23	23		
XDS®		25	25				
XZA®		15	15	15	15		
XZE®	18	18	18	18	18		
XT-1® AT		12	12	12	12		
XTA®-1		11	11	11	11		
XZY® Wide Base						20	
X ONE® XTA®							13
X ONE® XTE®							16

* AT designated Advanced Technology™ compounds for fuel savings.

Please contact your local MICHELIN representative or MRT franchise locations for size and tread design availability.

CASING FITMENT GUIDE

THIS DOCUMENT IS DESIGNED FOR USE AS A SALES TOOL ONLY AND SHOULD NOT BE USED AS OR CONSIDERED TO BE A TECHNICAL RECOMMENDATION. MRT plant will use the normal MRT production processes, which is to measure the width of the crown and apply the widest tread that will fit to most closely meet the original tire architecture, to determine the final tread size needed for each individual tire. This publication should be used as a general guide during the sales process to help select the MRT tread width that could optimally be used for a particular casing size.

Tread Width											
140	150	160	170	180	190	200	210	220		230	240
2	3/152	4/162	5/168	6/177	7/194	8/203	8.5N/211	9/219	9.5/225	10/232	10.5/238
Standard											
7.50R16	7.50R16	7.50R16	8.75R16.5	8.75R16.5	8.75R16.5	10R17.5	10.00R20	10.00R20	10.00R20	12.00R20	11.00R20
7.50R17	7.50R17	8.75R16.5	9R17.5	9.50R16.5	9.50R16.5	11R17.5	10.00R22	11.00R20	10.00R22	11.00R22	12.00R20
9R17.5	9R17.5	9.50R16.5	10R17.5	9.50R17.5	10R17.5	9.00R20	10R22.5	10R22.5	11R22.5	11R22.5	11.00R22
8R19.5	8R19.5	9R17.5	11R17.5	9R17.5	11R17.5	10.00R20	11R22.5	11R22.5	12R22.5	12R22.5	11R22.5
9R22.5	9R22.5	10R17.5	8R19.5	10R17.5	8R19.5	10R22.5	12R22.5	12R22.5	11.00R24	11.00R24	12R22.5
		8R19.5	8.25R20	11R17.5	9.00R20	11.00R24	13R22.5	13R22.5	12.00R24	12.00R24	12/80R22.5
		7.50R20	9R22.5	8R19.5	10.00R20	12.00R24	11.00R24	11.00R24	11R24.5	11R24.5	11.00R24
		9R22.5	10R22.5	7.50R20	9R22.5		12.00R24	12.00R24	12R24.5	12R24.5	12.00R24
				8.25R20	10R22.5		11R24.5	11R24.5			11R24.5
				9R22.5			12R24.5	12R24.5			12R24.5
				10R22.5							
Low Profile											
215/85R16	215/85R16	215/85R16	215/85R16	215/85R16	215/85R16	225/75R16	225/75R16	235/85R16	285/70R19.5	275/80R22.5	275/80R22.5
		225/75R16	225/75R16	225/75R16	225/75R16	235/85R16	235/85R16	235/75R17.5	275/80R22.5	275/80R24.5	295/80R22.5
		235/85R16	235/85R16	245/75R16	235/85R16	245/75R16	245/75R16	245/75R17.5	295/80R22.5		305/70R22.5
		215/75R17.5	245/75R16.5	235/85R16	245/75R16	215/75R17.5	235/75R17.5	245/70R19.5	275/80R24.5		315/80R22.5
		235/75R17.5	215/75R17.5	245/75R16.5	245/75R16.5	235/75R17.5	245/75R17.5	265/70R19.5			275/80R24.5
			235/75R17.5	215/75R17.5	215/75R17.5	245/75R17.5	225/70R19.5	285/70R19.5			
			225/70R19.5	235/75R17.5	235/75R17.5	225/70R19.5	245/70R19.5	255/70R22.5			
			235/80R22.5	225/70R19.5	225/70R19.5	245/70R19.5	265/70R19.5	255/80R22.5			
				245/70R19.5	245/70R19.5	265/70R19.5	285/70R19.5	275/70R22.5			
				235/80R22.5	265/70R19.5	235/80R22.5	235/80R22.5	275/80R22.5			
				255/70R22.5	235/80R22.5	255/70R22.5	255/70R22.5	295/80R22.5			
					255/70R22.5	255/80R22.5	255/80R22.5	275/80R24.5			
					255/80R22.5		275/70R22.5				
							275/80R22.5				
							275/80R24.5				

Tread Width												
250	260	270	280	290	320	350	375	380	385	390	395	400
12/252	13	14		15	16.5	18						
Standard												
13.00R20				15R22.5	16.5R19.5	18R19.5						
14.00R20					15R22.5	18R22.5						
12.00R24					16.5R22.5							
Low Profile												
335/80R20	315/80R22.5	315/80R22.5	315/80R22.5	365/80R20	365/80R20	445/65R22.5	445/50R22.5	445/50R22.5	445/50R22.5*	445/50R22.5	445/50R22.5	445/50R22.5
365/80R20	305/75R24.5	305/75R24.5		385/65R22.5	385/65R22.5	445/65R19.5			455/55R22.5	455/55R22.5	455/55R22.5	455/55R22.5
305/70R22.5					425/65R22.5	445/50R22.5						
315/80R22.5						425/65R22.5						

* Bridgestone® Greatec®

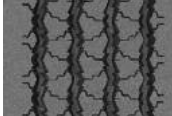
XZA® Pre-Mold™ Retread

- Solid shoulder to help withstand scrub and abrasion
- Designed for long mileage and even wear
- Available siped
- Also available as a Custom Mold™ retread

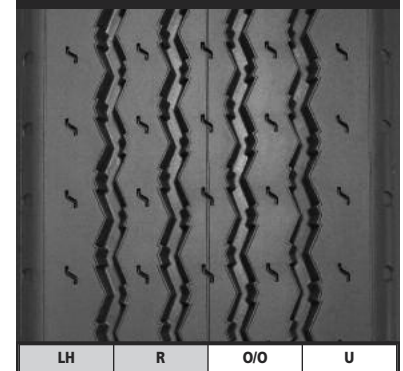
Tread Sizes	Metric	140	150	160	170	180	194	203	211	219	225
MSPN (MSPN Siped)		72464	95829	43903	48480	53906 (74087)	71005 (70659)	92719 (53937)	74565 (56193)	85773 (61685)	94169 (91816)
Tread Depth	Metric	10.5 mm					12 mm				
	Inches	13/32"					15/32"				

Available in the 240 mm - 20/32" width only.

Tread Sizes	Metric	240
MSPN		55653
Tread Depth	Metric	16 mm
	Inches	20/32"



ALL POSITION RETREAD



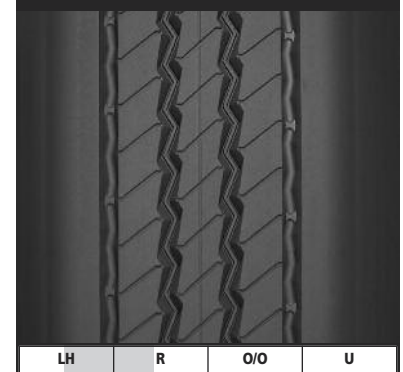
XZE® SA Pre-Mold™ Retread

- Rounded shoulders to help minimize scrub effects typical of spread axle applications
- Tapered tread extensions to help withstand shifting footprint stress typical of spread axle applications while helping to maintain casing durability

Tread Sizes	Metric	185/225 ⁽¹⁾	195/235 ⁽¹⁾	205/245 ⁽¹⁾	215/255 ⁽¹⁾	225/265 ⁽¹⁾	245/285 ⁽¹⁾	
MSPN		88535	41751	50852	77535	97320	25967	
Tread Depth	Metric	14 mm						
	Inches	18/32"						

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

ALL POSITION RETREAD

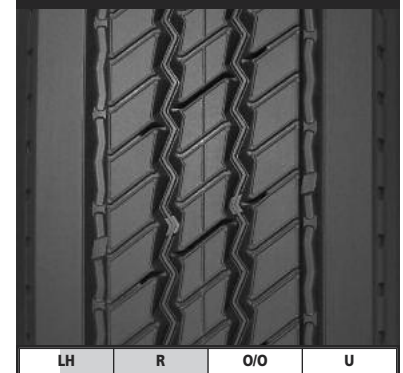


XZE® Pre-Mold™ Retread

- Solid shoulders to help withstand scrub and abrasion
- Deep siping for optimized traction
- Deep tread depth designed for long mileage
- Available siped
- Also available as a Custom Mold™ retread

Tread Sizes	Metric	168	177	194	203	211	219	225	
MSPN (MSPN Siped)		57118	62459	91791 (90947)	59028	86080 (78892)	51733 (50397)	55240 (70056)	
Tread Depth	Metric	13 mm	14 mm						
	Inches	16/32"	18/32"						

ALL POSITION RETREAD



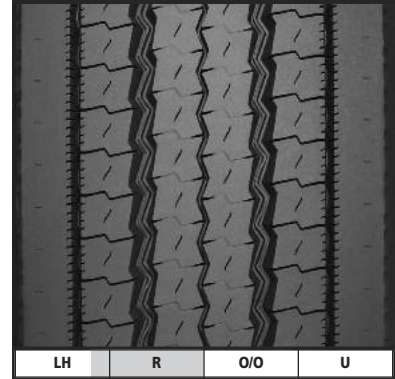
Exceeding the legal speed limit is neither recommended nor endorsed.
LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

XZE[®]2 Pre-Mold[™] Retread

- Good traction
- Compound optimized for regional and over-the-road operations
- Center grooves for good water evacuation
- Performs well in both high scrub and low scrub conditions

Tread Sizes	Metric	240	250	260
	MSPN	17469	38469	34463
Tread Depth	Metric	16 mm		
	Inches	20/32"		

ALL POSITION RETREAD



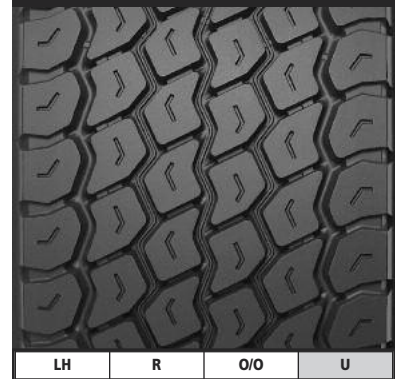
X ONE[®] XZU[®]S Pre-Mold[™] Retread

- Co-Ex Technology, unique two layer compound designed to minimize casing temperature for longer casing life
- Enhanced protection against stone drilling from variable pitch groove walls and groove bottom protectors in 3 center grooves
- Tread design optimized for all weather traction

Tread Sizes	Metric	390/430 ⁽¹⁾
	MSPN	20035
Tread Depth	Metric	18 mm
	Inches	23/32"

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

ALL POSITION RETREAD



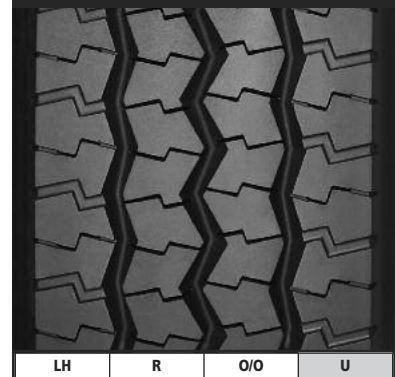
XZU[®]2 Pre-Mold[™] Retread

- Unique two compound design to help deliver long mileage and to help minimize internal casing temperatures
- Solid shoulder design optimized for long, smooth wear
- Fuel efficient compound to help contribute to greater fuel savings⁽¹⁾

Tread Sizes	Metric	230	240	250
	MSPN	11059	11107	11486
Tread Depth	Metric	20 mm		
	Inches	24/32"		

(1) Based on industry standard rolling resistance testing of comparable tires and retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

ALL POSITION RETREAD

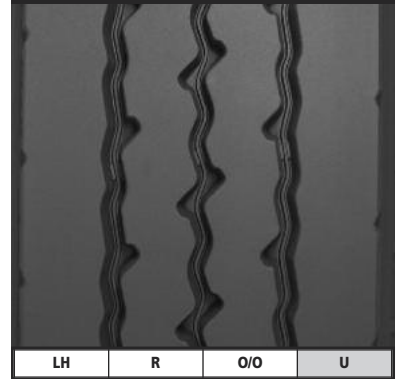


XZU®S Pre-Mold™ Retread

- More rubber mass to aid in scrub resistance
- Exclusive, unique two-layer compound designed to minimize internal casing temperatures for long tread and casing life
- Proprietary compound specifically formulated for demanding, high scrub operations
- Rib design optimized for high

Tread Sizes	Metric	220	230	240	250	270	280
MSPN		21300	15865	95666	17768	39959	68447
Tread Depth	Metric	21 mm					
	Inches	26/32"					

ALL POSITION RETREAD

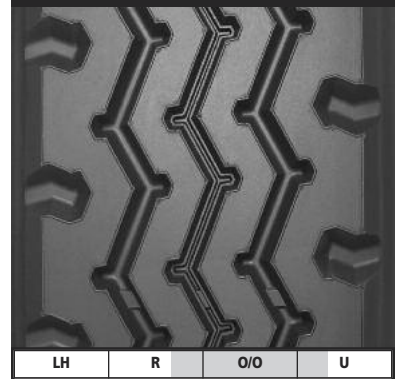


XZY® Pre-Mold™ Retread

- Compound for chip and cut resistance
- Rib design optimized for quiet running and even wear
- All wheel position capable
- Shoulder scallops help provide additional traction

Tread Sizes	Metric	203	211	219	225	232	238	250
MSPN		54622	51695	61672	66458	92668	47479	64343
Tread Depth	Metric	14 mm						
	Inches	18/32"						
								20/32"

ALL POSITION RETREAD

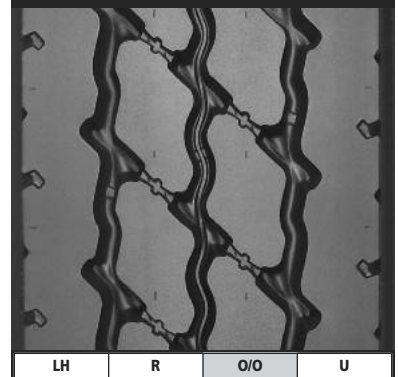


XZY®3 Pre-Mold™ Retread

- Tread compound offers excellent protection against aggression, chipping and scaling
- Maximized soft soil and mud traction throughout the tire life
- Deep tread depth delivers long life in on/off road service

Tread Sizes	Metric	210	220	230	240	250	270	280
MSPN		40131	41044	41385	43241	48547	48974	50408
Tread Depth	Metric	19 mm						
	Inches	24/32"						

ALL POSITION RETREAD



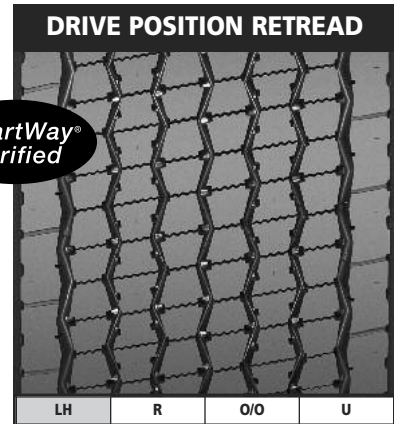
X ONE® LINE™ ENERGY D Pre-Mold Retread

- SmartWay® fuel economy using a Dual Energy Compound Tread - a top Fuel and Mileage layer for low rolling resistance and excellent wear properties, and a bottom Fuel and Durability layer that reduces casing heat
- Long tread life is enhanced using a winged tread for maximum shoulder adhesion
- Outstanding traction delivered using *Matrix™* Sipes. The full depth, interlocking sipes provide thousands of biting edges for traction
- MICHELIN® ON MICHELIN®⁽¹⁾

SmartWay®
Verified

MICHELIN
ON
MICHELIN

Tread Sizes	Metric	375/425 ⁽²⁾
MSPN		08287
Tread Depth	Metric	17 mm
	Inches	22/32"



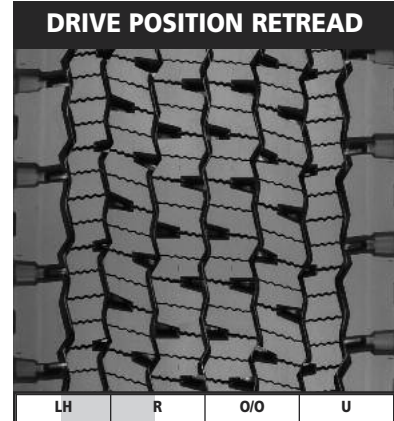
(1) A premium MICHELIN® retread with special guarantee(s) when retreaded on a MICHELIN® casing. See guarantee(s) at michelintruck.com for details.
 (2) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

X ONE® XDN® 2 Pre-Mold™ Retread

- *Matrix™* Sipes help provide inter-locking action which offers excellent traction and even wear
- Wide, open shoulder grooves help deliver additional traction with tread life
- Full depth sipes help provide excellent traction throughout the life of the tread
- Winged tread for maximum shoulder adhesion
- MICHELIN® ON MICHELIN®⁽¹⁾

MICHELIN
ON
MICHELIN

Tread Sizes	Metric	375/425 ⁽²⁾	385/435 ⁽²⁾
MSPN		30379	31449
Tread Depth	Metric	21.5 mm	
	Inches	27/32"	



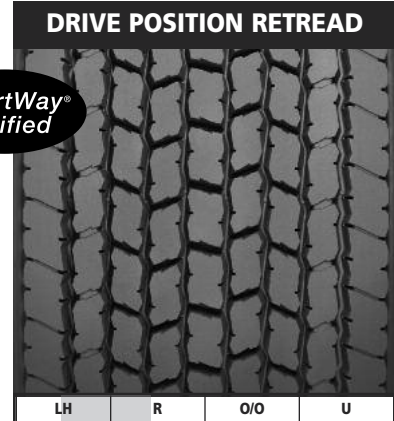
(1) A premium MICHELIN® retread with special guarantee(s) when retreaded on a MICHELIN® casing. See guarantee(s) at michelintruck.com for details.
 (2) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

X ONE® XDA-HT™ Pre-Mold™ Retread

- Aggressive lug-type tread design
- Increased traction
- Increased tread wear
- Optimized for Regional and Line Haul operations
- Cool running compound
- Deep tread depth

SmartWay®
Verified

Tread Sizes	Metric	390	400
MSPN		18725	01082
Tread Depth	Metric	21 mm	
	Inches	26/32"	



Exceeding the legal speed limit is neither recommended nor endorsed.
 LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

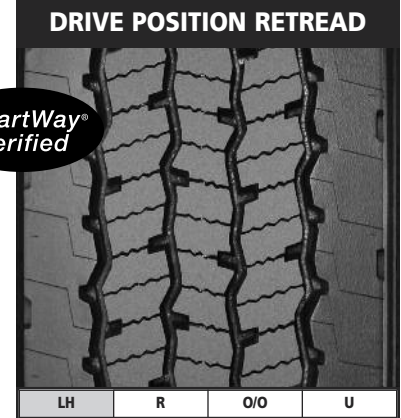
X® LINE™ ENERGY D Pre-Mold™ Retread

- SmartWay® fuel economy and wear resistance thanks to Dual Compound Tread technology
- 25% longer tread life than MICHELIN® XDA®2 retread due to Dual Compound Tread, a wider footprint and solid shoulder
- Outstanding driver confidence from *Matrix*™ Sipes excellent traction
- MICHELIN® ON MICHELIN®(1)

Tread Sizes	Metric	220	230	240
MSPN		26837	27357	27540
Tread Depth	Metric	16.5 mm		
	Inches	21/32"		



SmartWay®
Verified



(1) A premium MICHELIN® retread with special guarantee(s) when retreaded on a MICHELIN® casing. See guarantee(s) at michelintruck.com for details.

XDA2® 19 AT and XDA2® 23 AT Pre-Mold™ Retread

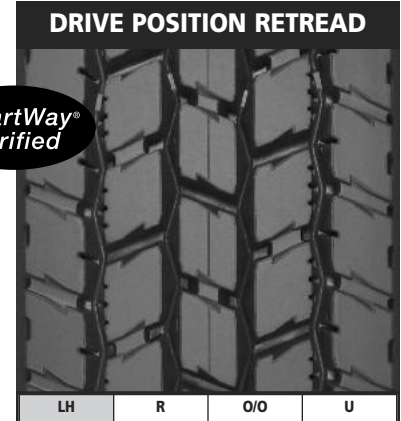
- Fuel-efficient(1) Advanced Technology™ (AT) Compound
- No compromise performance
- Modified tread block design optimized for long, even wear
- XDA2® 23 AT - also available as a Custom Mold™

		XDA2 19 AT		XDA2 23 AT			
Tread Sizes	Metric	219	225	211	219	225	232
MSPN		56259	79760	77114	59027	60625	80338
Tread Depth	Metric	15 mm	15 mm	18 mm	18 mm	18 mm	18 mm
	Inches	19/32"		23/32"			

* AT designated Advanced Technology™ Compounds for fuel savings.

(1) Based on industry standard rolling resistance testing of comparable tires and retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

SmartWay®
Verified

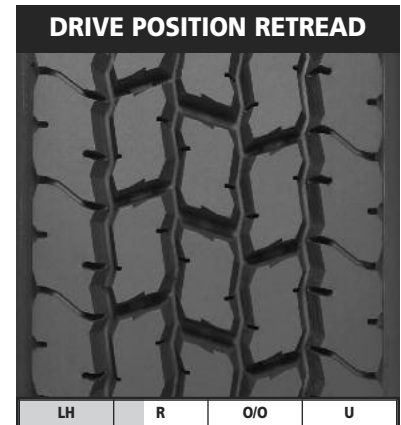


XDA-HT™ High Torque Pre-Mold™ Retread

- Unique two compound design to help deliver long mileage and to help minimize internal casing temperatures
- Solid shoulder design optimized for long, smooth wear
- Open lug design helps provide excellent traction in adverse conditions

Tread Sizes	Metric	200	210	220	230	240	250	260
MSPN		79503	76860	97988	96795	89007	33721	33223
Tread Depth	Metric	22 mm						
	Inches	28/32"						

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.



Retread Products

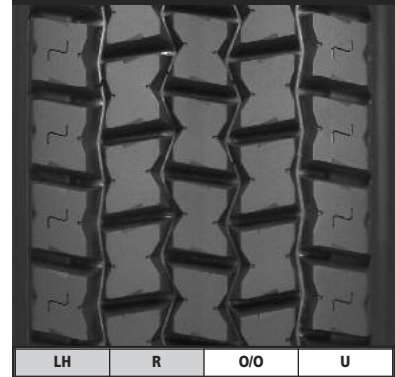
Exceeding the legal speed limit is neither recommended nor endorsed.
LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

XD4® Pre-Mold™ Retread

- Extra deep tread design optimized for high torque applications e.g. 4x2's
- Open shoulder design helps deliver exceptional traction
- Unique scrub resistant compound
- Also available as a Custom Mold™

Tread Sizes	Metric	210	220	230
MSPN		92270	83674	79304
Tread Depth	Metric	22 mm		
	Inches	28/32"		

DRIVE POSITION RETREAD



XDN® 2 Pre-Mold™ Retread

- Exclusive compound designed to minimize internal casing temperatures for longer tread and casing life
- Outstanding winter and wet traction utilizing *Matrix™* Siping technology
- Wide open shoulder grooves help deliver traction without compromising tread life

Tread Sizes	Metric	220	230	240
MSPN		15171	87596	22661
Tread Depth	Metric	21.5 mm		
	Inches	27/32"		

DRIVE POSITION RETREAD

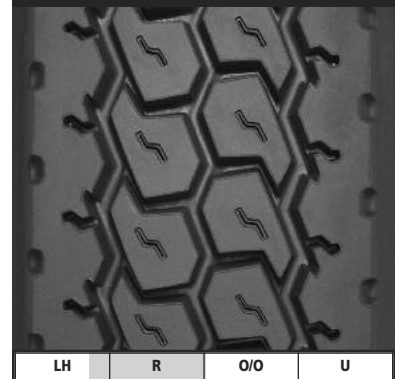


XDHT® Pre-Mold™ Retread

- Solid shoulder design optimized for high scrub applications
- Block design optimized for high torque applications
- Available siped
- Also available as a Custom Mold™ retread

Tread Sizes	Metric	180	194	203	211	219	225	232	240
MSPN (MSPN Siped)		44572	94558	54461	65683 (91143)	84811 (73107)	46117 (59826)	87926	10984
Tread Depth	Metric	15 mm			18 mm				
	Inches	19/32"			23/32"				

DRIVE POSITION RETREAD

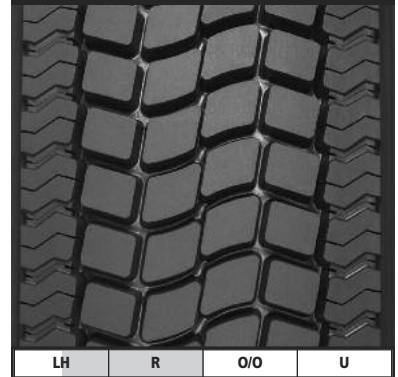


XDA® Pre-Mold™ Retread

- Square shoulder for stability
- Slow, even wear
- Excellent mileage

Tread Sizes	Metric	260
MSPN		75777
Tread Depth	Metric	20 mm
	Inches	25/32"

DRIVE POSITION RETREAD

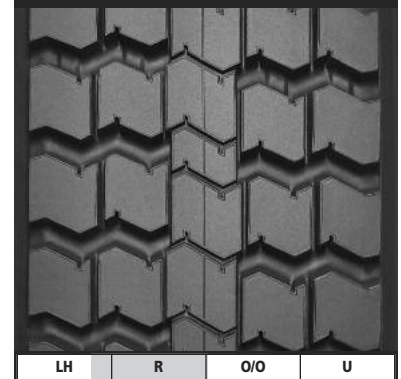


XDC® 18 and XDC® 22 Pre-Mold™ Retread

- Open shoulder design optimized for exceptional traction
- Solid center rib promotes long, even wear
- Classic drive axle design helps deliver excellent wear and traction

		XDC 18		XDC 22				
Tread Sizes	Metric	219	225	194	203	211	219	225
MSPN		54002	56087	70037	75415	54426	96544	84986
Tread Depth	Metric	14 mm		17 mm				
	Inches	18/32"		22/32"				

DRIVE POSITION RETREAD

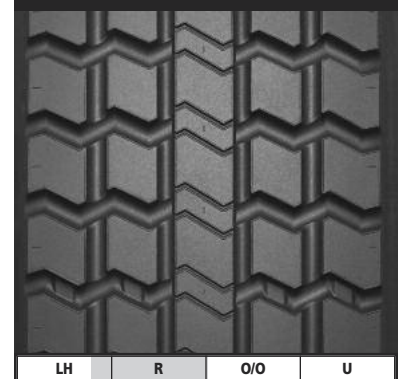


XDC® LL Pre-Mold™ Retread

- Designed for trade-in vehicles
- Meets truck manufacturers trade-in requirements

Tread Sizes	Metric	210	220
MSPN		11587	09538
Tread Depth	Metric	11 mm	
	Inches	14/32"	

DRIVE POSITION RETREAD



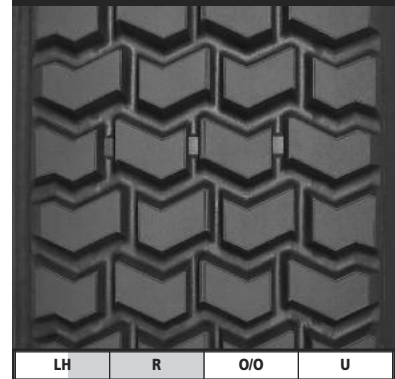
Exceeding the legal speed limit is neither recommended nor endorsed.
LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

XM+S4® Pre-Mold™ Retread

- Standard highway compound
- Open lug tread design promotes self-cleaning of lugs and helps maximize mud and snow traction
- Chevron block design for high traction and low noise

Tread Sizes	Metric	168	177	194	203	211	219	225
MSPN		72669	76467	67146	98504	64760	61591	67565
Tread Depth	Metric	16.5 mm						
	Inches	21/32"						

DRIVE POSITION RETREAD

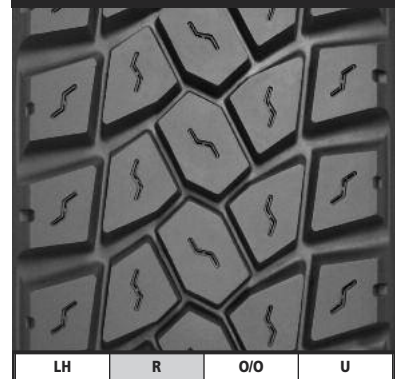


XDE® M/S Pre-Mold™ Retread

- Open shoulder tread design optimized to help deliver high traction while providing excellent treadwear
- Offset shoulder blocks help provide added traction in mud and soft soil conditions

Tread Sizes	Metric	170	180	190	200	210	220	230	240	250
MSPN		57384	58140	42113	94728	66838	94447	86443	73091	49347
Tread Depth	Metric	14 mm		16 mm		17 mm		21 mm		
	Inches	18/32"		20/32"		22/32"		26/32"		

DRIVE POSITION RETREAD

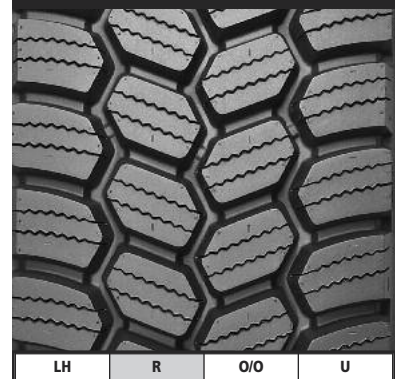


XDS® 2 Pre-Mold™ Retread

- Delivers 10% longer tread life by taking advantage of engineered compounds specifically formulated for high scrub applications. Additionally, the directional tread reduces heel/toe wear associated with open shoulder designs
- Outstanding traction is delivered using deep 19/32nds sipes, with zig-zag groove walls and V-shaped transverse shoulder grooves that promote stone, mud and snow evacuation

Tread Sizes	Metric	210	220	230	240	250
MSPN		56068	56783	55757	58301	58488
Tread Depth	Metric	20 mm				
	Inches	25/32"				

DRIVE POSITION RETREAD

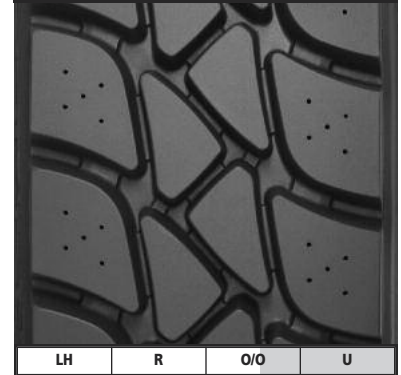


XDU[®] Pre-Mold[™] Retread

- More rubber mass to aid in scrub resistance
- Exclusive, unique two-layer compound designed to minimize internal casing temperatures for long tread and casing life
- Proprietary compound specifically formulated for demanding, high scrub operations
- Lug design optimized for high scrub, high traction operations

Tread Sizes	Metric	220	230	240	250	270
MSPN		28156	15175	13197	17883	22587
Tread Depth	Metric	25 mm				
	Inches	32/32"				

DRIVE POSITION RETREAD

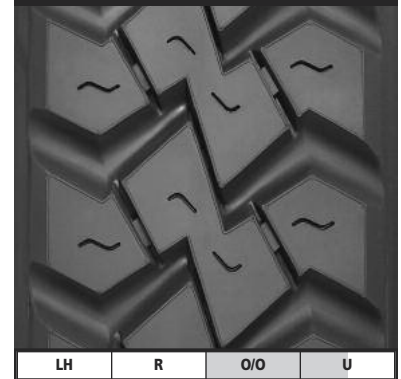


XDY[®] Pre-Mold[™] Retread

- Compound for chip and cut resistance
- Deep tread for traction and mileage

Tread Sizes	Metric	203	211	219	225	232	238	240	252
MSPN		81860	59052	65072	87485	48059	46614	70606	88519
Tread Depth	Metric	21 mm						25 mm	
	Inches	26/32"						32/32"	

DRIVE POSITION RETREAD

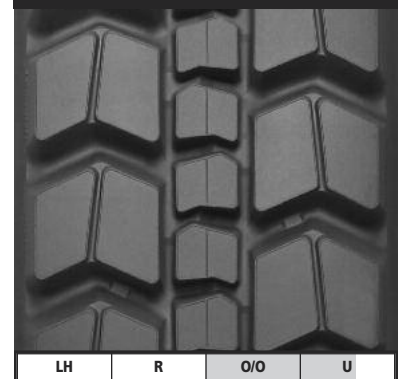


XDY-1[™] Pre-Mold[™] Retread

- Compound for chip and cut resistance
- Directional tread optimized for traction
- Extra deep tread for extra protection and mileage

Tread Sizes	Metric	211	219	225	232	238
MSPN		44358	61659	57316	52178	79263
Tread Depth	Metric	24 mm				
	Inches	30/32"				

DRIVE POSITION RETREAD

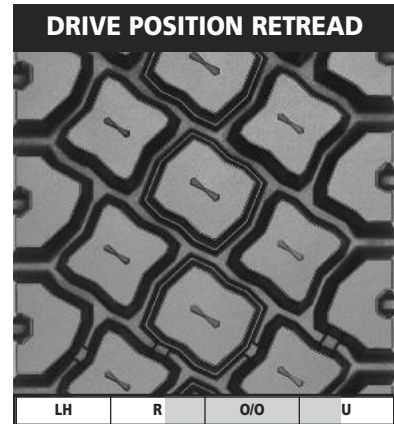


Exceeding the legal speed limit is neither recommended nor endorsed.
LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

XDY-EX™ Pre-Mold™ Retread

- Long tread life is delivered using proprietary compound technology that delivers exceptional wear resistance, along with stone ejector ledges for reduced stone retention and deep 32/32nds of tread rubber
- Excellent traction comes from a raised block sculpture specifically designed to deliver exceptional traction in demanding off-road applications

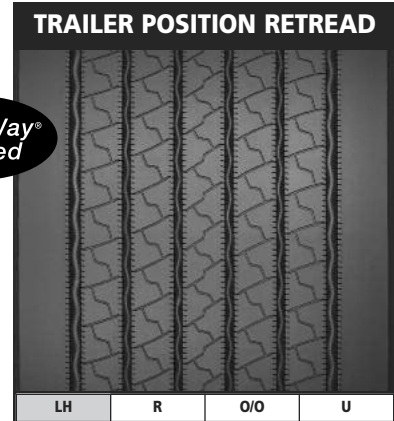
Tread Sizes	Metric	220	230	240
MSPN		50243	11534	73643
Tread Depth	Metric	25 mm		
	Inches	32/32"		



X ONE® LINE™ ENERGY T Pre-Mold Retread

- Up to 15% improvement in removal mileage⁽¹⁾ when retreaded on a MICHELIN® X ONE® LINE™ ENERGY T casing
- SmartWay® fuel efficiency comes from using Michelin's Advanced Technology™ Compounds that deliver low rolling resistance with excellent mileage
- Long tread life is enhanced using a Winged tread for maximum shoulder adhesion
- MICHELIN® ON MICHELIN®⁽²⁾

Tread Sizes	Metric	375/425 ⁽³⁾
MSPN		89018
Tread Depth	Metric	10.5 mm
	Inches	13/32"

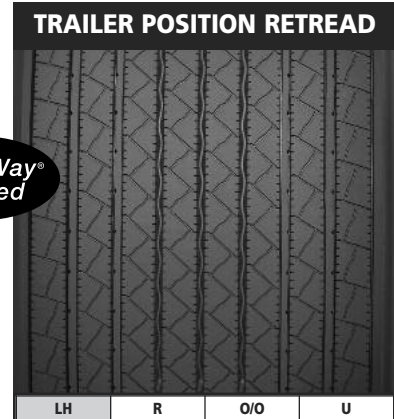


(1) Based on current pull point vs MICHELIN® X ONE® XTA® Pre-Mold™ Retread retreaded on a MICHELIN® X ONE® XTA® casing, using field testing and observation.
 (2) A premium MICHELIN® retread with special guarantee(s) when retreaded on a MICHELIN® casing. See guarantee(s) at michelintruck.com for details.
 (3) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

X ONE® XTA® Pre-Mold™ Retread

- Tread design optimized to promote stability and resistance to uneven wear
- Fuel-efficient ⁽¹⁾ Advanced Technology™ Compound
- Tapered tread extensions to help withstand the stress of long haul trailer use
- Also available as a Custom Mold™ retread

Tread Sizes	Metric	375/425 ⁽²⁾
MSPN		11933
Tread Depth	Metric	10.5 mm
	Inches	13/32"



(1) Based on industry standard rolling resistance testing of comparable tires and retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

Exceeding the legal speed limit is neither recommended nor endorsed.
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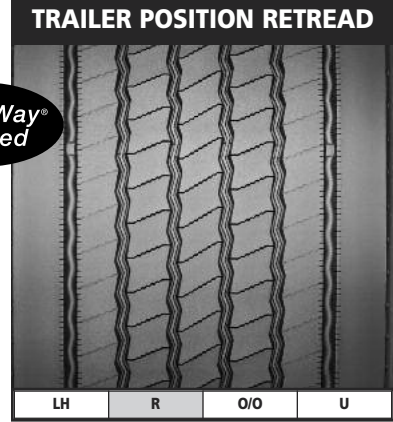
X ONE® MULTI™ ENERGY T Pre-Mold™ Retread

Coming Soon

- Full 15/32nds tread depth provides outstanding removal mileage
- Long tread life is enhanced using a winged tread for maximum adhesion
- Waved groove bottoms and stone ejectors help defend against stone drilling
- Irregular wear is reduced by microsipes and a solid shoulder
- SmartWay® fuel efficiency⁽¹⁾ comes from use of Advanced Technology™ Compounds to deliver low rolling resistance with excellent mileage
- MICHELIN® ON MICHELIN®⁽²⁾



Tread Sizes	Metric	375/425 ⁽³⁾	385/435 ⁽³⁾
MSPN		55784	84963
Tread Depth	Metric	12 mm	
	Inches	15/32"	



(1) Based on industry standard rolling resistance testing of comparable tires & retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.
 (2) A premium MICHELIN® retread with special guarantee(s) when retreaded on a MICHELIN® casing. See guarantee(s) at michelintruck.com for details.
 (3) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

X ONE® XTE® Pre-Mold™ Retread

- Tread design optimized to promote stability and resistance to uneven wear
- Scrub-resistant compound for regional operations
- Tapered tread extensions to help withstand the stress of regional trailer use
- Also available as a Custom Mold™ retread

Tread Sizes	Metric	375/425 ⁽¹⁾	385/435 ⁽¹⁾
MSPN		58104	88159
Tread Depth	Metric	13 mm	
	Inches	16/32"	



(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

XT-1® AT Pre-Mold™ Retread

- Fuel efficient ⁽¹⁾ Advanced Technology™ compound
- No compromise performance
- Available siped
- Also available as a Custom Mold™ retread



Tread Sizes	Metric	203	211	219	225	240
MSPN (MSPN Siped)		74810	48102 (61058)	43303 (47642)	70420 (94407)	04978
Tread Depth	Metric	10 mm				
	Inches	12/32"				



* AT designated Advanced Technology™ Compounds for fuel savings.
 (1) Based on industry standard rolling resistance testing of comparable tires and retreads. Actual results may vary, and may be impacted by many factors, to include road conditions, weather and environment, driver performance, etc.

Exceeding the legal speed limit is neither recommended nor endorsed.
 LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

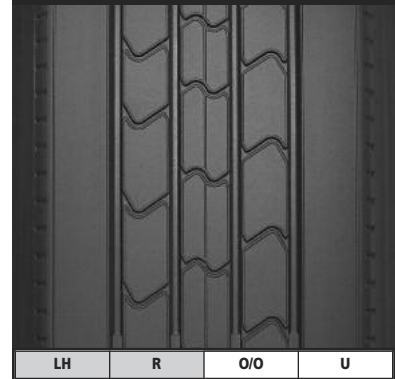
Retread Products

XTA[®]-1 Pre-Mold™ Retread

- Solid shoulder to withstand most scrub and abrasion
- No compromise performance
- Available siped
- Also available as a Custom Mold™ retread

Tread Sizes	Metric	194	203	211	219	225	240
MSPN (MSPN Siped)		49201	77843	46584 (96426)	79885 (88664)	85544 (59657)	26454
Tread Depth	Metric	9 mm					
	Inches	11/32"					

TRAILER POSITION RETREAD

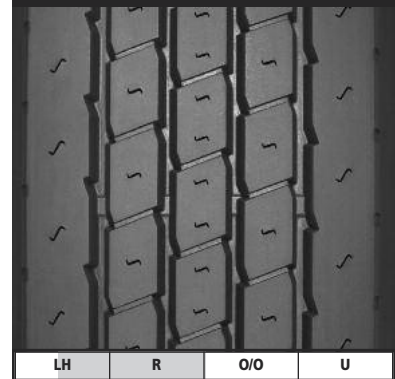


XTA[®] Pre-Mold™ Retread

- Excellent stability
- Good resistance in high scrub operations

Tread Sizes	Metric	240	260
MSPN		26264	24867
Tread Depth	Metric	13 mm	
	Inches	16/32"	

TRAILER POSITION RETREAD

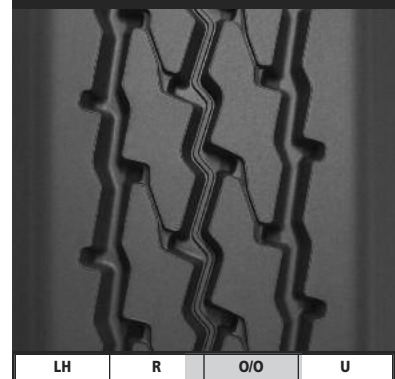


XTY[®] SA Pre-Mold™ Retread

- Application specific compound for chip and cut resistance
- Tapered tread extensions to help withstand shifting footprint stress typical of spread axle and multi-axle applications
- Aggressive tread design for demanding regional and on/off road trailer operations

Tread Sizes	Metric	195/235 ⁽¹⁾	205/245 ⁽¹⁾	215/255 ⁽¹⁾
MSPN		08667	36225	08911
Tread Depth	Metric	17 mm		
	Inches	22/32"		

TRAILER POSITION RETREAD



(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

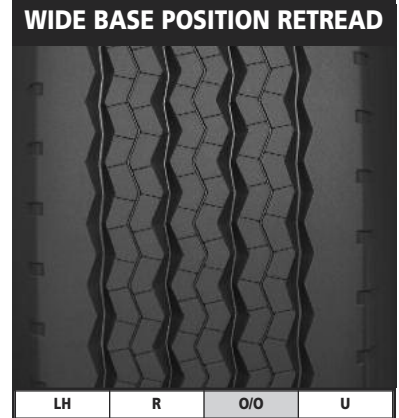
Exceeding the legal speed limit is neither recommended nor endorsed.
LH – Line Haul, R – Regional, O/O – On/Off Road, U – Urban

XTE2® WIDE BASE Pre-Mold™ Retread

- Wide grooves help provide exceptional water evacuation
- Wide shoulder rib to help resist scrub and abrasion
- Tapered tread extensions to help withstand shifting footprint stress typical of wide base service

Tread Sizes	Metric	290/345 ⁽¹⁾
MSPN		88809
Tread Depth	Metric	16 mm
	Inches	20/32"

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

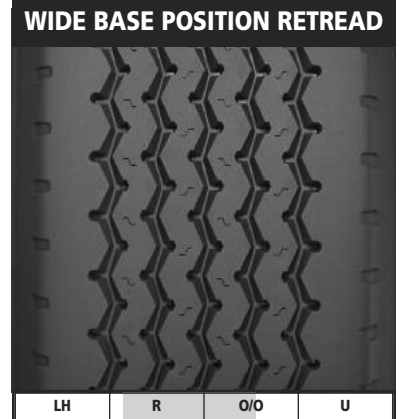


XZA® WIDE BASE Pre-Mold™ Retread

- Wide shoulder rib to help withstand scrub and abrasion
- Tapered tread extensions to help withstand shifting footprint stress typical of wide base service

Tread Sizes	Metric	290/345 ⁽¹⁾	320/365 ⁽¹⁾	350/395 ⁽¹⁾
MSPN		07525	08650	46734
Tread Depth	Metric	15 mm		
	Inches	19/32"		

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.



XZH® WIDE BASE Pre-Mold™ Retread

- Compound for abrasion-resistance
- Self-cleaning lugs, open shoulder design for exceptional traction and excellent flotation
- Tapered tread extensions to help withstand shifting footprint stress typical of wide base service

Tread Sizes	Metric	350/395 ⁽¹⁾
MSPN		43429
Tread Depth	Metric	16 mm
	Inches	20/32"

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.



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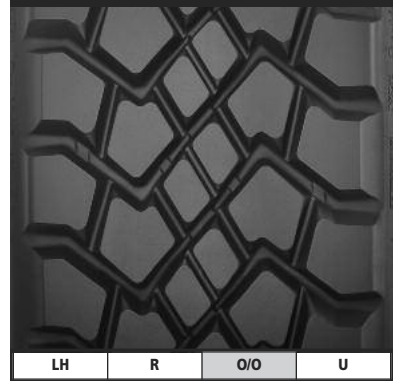
XZL® WIDE BASE Pre-Mold™ Retread

- Co-Ex technology, unique two-layer compound designed to minimize internal casing temperature for longer tread and casing life
- Wing tread design for added protection on the shoulders for high scrub applications

Tread Sizes	Metric	350/395 ⁽¹⁾
MSPN		75413
Tread Depth	Metric	24 mm
	Inches	30/32"

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

WIDE BASE POSITION RETREAD



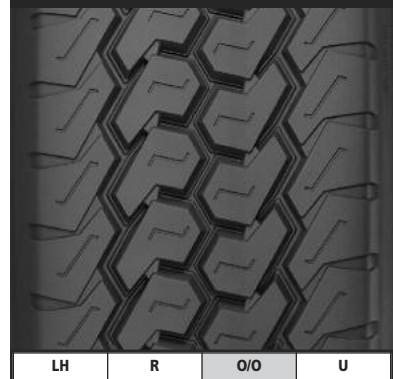
XZY® WIDE BASE Pre-Mold™ Retread

- Compound for abrasion-resistance to promote long casing and tread life
- Tapered tread extensions to help withstand shifting footprint stress typical of wide base service
- Also available as a Custom Mold™ retread

Tread Sizes	Metric	320/365 ⁽¹⁾
MSPN		30949
Tread Depth	Metric	16 mm
	Inches	20/32"

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

WIDE BASE POSITION RETREAD



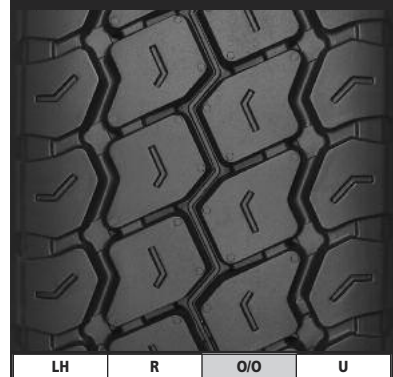
XZY®3 WIDE BASE Pre-Mold™ Retread

- Compound for abrasion-resistance to promote long casing and tread life
- Wing tread design for added protection on the shoulder for high scrub
- Open shoulder design for exceptional traction and excellent flotation

Tread Sizes	Metric	290/345 ⁽¹⁾
MSPN		12185
Tread Depth	Metric	17 mm
	Inches	22/32"

(1) Tread widths with two measurements have wings. The first number is tread base width in mm. The second number is the overall width, wing tip to tip.

WIDE BASE POSITION RETREAD





Appendix



Appendix

TUBE-TYPE TUBES, FLAPS AND VALVES

A tire cannot perform properly unless it is mounted properly on the correct size wheel. The following are general instructions for demounting and mounting MICHELIN® tube-type tires. For detailed instructions on mounting and demounting truck tires on particular types of wheels, refer to the instructions of the wheel manufacturer or the RMA (Rubber Manufacturers Association) wall charts.



Do not reinflate any tires that have been run underinflated or flat without careful inspection for damage. If run-flat damage is detected, scrap the tire. A tire is considered run-flat if it is found to be less than 80% of normal recommended operating pressure. This can result in serious injury or death. The tire may be damaged on the inside and can explode during inflation. The wheel parts may be worn, damaged, or dislodged and can explosively separate.

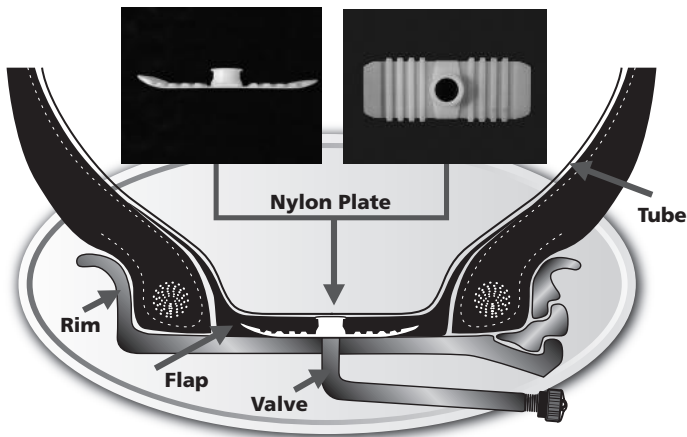
Tubes and Flaps sold separately.

TUBES AND FLAPS FOR COMMERCIAL TRUCK TIRES				
SIZE	TUBE	TUBE MSPN	FLAP	FLAP MSPN
7.50R15	15/16J	73993	15x6.00 E	38045
8.25R15	15/16J	73993	15x6.00 E	38045
10.00R15	15P	04560	15x7.50 E	39259
9.00R16	16N	17786	16x6.00D E	41067
7.50R17	17K	26362	17x6.00D	45608
335/80R20	20P	06934	20x10.00 E	45030
275/80R20	20P	06934	20x10.00 E	45030
365/80R20	20Q	39144	20x10.00 E	45030
15.5/80R20	20S	32420	20x10.00 E	45030
14.00R20	20S	32420	20x10.00 E	45030
14.5R20	20S	32420	20x10.00 E	45030
395/85R20	20S	32420	20x10.00 E	45030
365/85R20	20S	32420	20x10.00 E	45030
16.00R20	20V	32961	20x10.00 E	45030
10.00R20	20N	17078	20x7.50	44274
11.00R20	20P	06934	20x8.50 E	35472
12.00R20	20Q	39144	20x8.50 E	35472
12.00R24	24Q	11708	24/25x8.50 E	63382

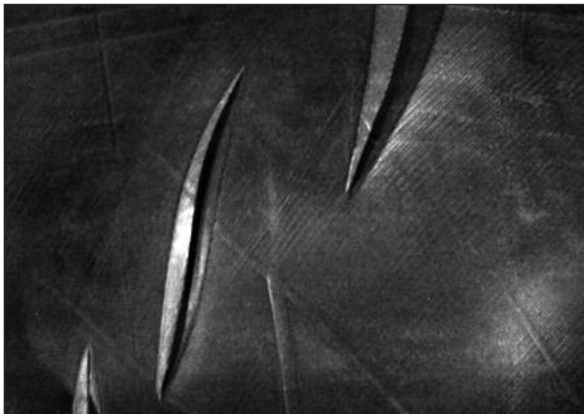
MOUNTING LUBRICANT		
Product	Size	Product code
Tigre grease	4 Kg	25817

SELECTION OF PROPER COMPONENTS AND MATERIALS

- a. All tires must be mounted with the proper MICHELIN® tube and flap (if required) and wheel as indicated in the specification tables on Page 86.



- b. Make certain that wheel components are properly matched and of the correct dimensions for the tire.
- c. Always fit a new MICHELIN® tube in a new mounting. Since a tube will exhibit growth in size through normal use, an old tube used in a new mounting increases the possibility of tube creasing and chafing, possibly resulting in failure.



Pinched tube

- d. Always install a new flap in a new mounting. A flap, through extended use, becomes hard and brittle. After a limited time, it will develop a set to match the tire and wheel in which it is fitted. Therefore, it will not exactly match a new tire and wheel combination.
- e. Always install new valve cores and metal valve caps containing plastic or rubber seals. For tires requiring O-rings, be sure to properly install a new silicone O-ring at every tire change.

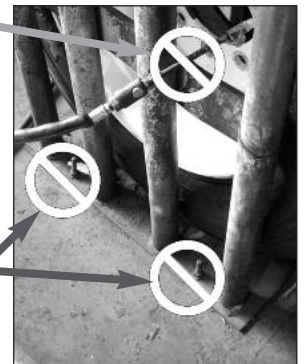
- f. Always use a safety device such as an inflation cage or other restraining device that will constrain all wheel components during an explosive separation of a multi-piece wheel, or during the sudden release of the contained air of a single piece wheel that is in compliance with OSHA (Occupational Safety and Health Administration) standards. Do not bolt restraining device to the floor. Never stand over a tire or in front of a tire when inflating. Always use a clip-on valve chuck with an in-line valve with a pressure gauge or a presettable regulator. Additionally, ensure there is a sufficient length of hose between the clip-on chuck and the in line valve (if one is used) to allow the service technician to stand outside the trajectory path when inflating. Trajectory zone means any potential path or route that a wheel component may travel during an explosive separation, or the sudden release of the pressurized air, or an area at which a blast from a single piece wheel may be released. The trajectory may deviate from paths that are perpendicular to the assembled position of the wheel at the time of separation or explosion.



Ensure there is a sufficient length of hose between the clip-on chuck and the in line valve (if one is used) to allow the service technician to stand outside the trajectory path when inflating.

Do not bolt restraining device to the floor.

Do not place or store debris near inflation cage.



NEVER WELD OR APPLY HEAT TO A WHEEL ON WHICH A TIRE IS MOUNTED.

GENERAL INFORMATION

UNITS OF MEASUREMENT

Quantity	S.I. Units	Other Units
Length	m (meter)	1 inch (") = 0.0254 m or 25.4 mm 1 mile = 1609 m (1.609 km) 1 kilometer = 0.621 mile
Mass	kg (Kilogram)	1 pound (lb) = 0.4536 kg 1 kilogram (kg) = 2.205 lbs.
Pressure	kPa (Pascal)	1 bar* = 100 kPa 1 psi = 6.895 kPa 1 pound per square inch 1 kg/cm ² = 98.066 kPa
Speed	m/s (meter per second)	1 kilometer per hour (kph)* = 0.27778 m/s 1 mile per hour (mph) = 0.4470 m/s (or 1.60935 kph)

* Non S.I. unit to be retained for use in specialized fields.

PRESSURE UNIT CONVERSION TABLE

kPa	bar	lb/in ² *	kg/cm ² *
100	1.0	15	1.0
150	1.5	22	1.5
200	2.0	29	2.0
250	2.5	36	2.5
300	3.0	44	3.1
350	3.5	51	3.6
400	4.0	58	4.1
450	4.5	65	4.6
500	5.0	73	5.1
550	5.5	80	5.6
600	6.0	87	6.1
650	6.5	94	6.6
700	7.0	102	7.1
750	7.5	109	7.7
800	8.0	116	8.2
850	8.5	123	8.7
900	9.0	131	9.2
950	9.5	138	9.7
1000	10.0	145	10.2
1050	10.5	152	10.7

SPEED SYMBOL

The ISO* 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	
	(kph)	mph
A1	5	2.5
A2	10	5
A3	15	10
A4	20	12.5
A5	25	15
A6	30	20
A7	35	22.5
A8	40	25
B	50	30
C	60	35
D	65	40
E	70	43
F	80	50
G	90	56
J	100	62
K	110	68
L	120	75
M	130	81
N	140	87

LOAD RANGE/PLY RATING

B - 4
C - 6
D - 8
E - 10
F - 12
G - 14
H - 16
J - 18
L - 20
M - 22

* International Standardization Organization

** Exceeding the legal speed limit is neither recommended nor endorsed.

LOAD INDEX

The ISO 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. (1 kg = 2.205 lbs.)

Load Index	kg	lbs
100	800	1,765
101	825	1,820
102	850	1,875
103	875	1,930
104	900	1,985
105	925	2,040
106	950	2,095
107	975	2,150
108	1,000	2,205
109	1,030	2,270
110	1,060	2,335
111	1,090	2,405
112	1,120	2,470
113	1,150	2,535
114	1,180	2,600
115	1,215	2,680
116	1,250	2,755
117	1,285	2,835
118	1,320	2,910
119	1,360	3,000
120	1,400	3,085
121	1,450	3,195
122	1,500	3,305
123	1,550	3,415
124	1,600	3,525
125	1,650	3,640
126	1,700	3,750
127	1,750	3,860
128	1,800	3,970
129	1,850	4,080
130	1,900	4,190
131	1,950	4,300
132	2,000	4,410
133	2,060	4,540

Load Index	kg	lbs
134	2,120	4,675
135	2,180	4,805
136	2,240	4,940
137	2,300	5,070
138	2,360	5,205
139	2,430	5,355
140	2,500	5,510
141	2,575	5,675
142	2,650	5,840
143	2,725	6,005
144	2,800	6,175
145	2,900	6,395
146	3,000	6,610
147	3,075	6,780
148	3,150	6,940
149	3,250	7,160
150	3,350	7,390
151	3,450	7,610
152	3,550	7,830
153	3,650	8,050
154	3,750	8,270
155	3,875	8,540
156	4,000	8,820
157	4,125	9,090
158	4,250	9,370
159	4,375	9,650
160	4,500	9,920
161	4,625	10,200
162	4,750	10,500
163	4,875	10,700
164	5,000	11,000
165	5,150	11,400
166	5,300	11,700
167	5,450	12,000

Load Index	kg	lbs
168	5,600	12,300
169	5,800	12,800
170	6,000	13,200
171	6,150	13,600
172	6,300	13,900
173	6,500	14,300
174	6,700	14,800
175	6,900	15,200
176	7,100	15,700
177	7,300	16,100
178	7,500	16,500
179	7,750	17,100
180	8,000	17,600
181	8,250	18,195
182	8,500	18,745
183	8,750	19,295
184	9,000	19,845
185	9,250	20,400
186	9,500	21,000
187	9,750	21,500
188	10,000	22,050
189	10,300	22,720
190	10,600	23,400
191	10,900	24,040
192	11,200	24,700
193	11,500	25,360
194	11,800	26,020
195	12,150	26,800
196	12,500	27,565
197	12,850	28,355
198	13,200	29,110
199	13,600	30,000
200	14,000	30,870
201	14,500	31,980

STATIC AND LOW SPEED LOAD AND PRESSURE COEFFICIENTS

STATIC AND LOW SPEED LOAD AND PRESSURE COEFFICIENTS



Do not exceed loads or pressure limits of the wheel without permission of the component manufacturer. Exceeding the legal speed limit is neither recommended nor endorsed.

WARNING

TRA (THE TIRE AND RIM ASSOCIATION, INC.) STANDARDS

(These Tables apply to tires only. Consult wheel manufacturer for wheel load and inflation capacities.)

Load limits at various speeds for radial ply truck-bus tires used on improved surfaces. ⁽¹⁾

A. METRIC AND WIDE BASE TIRES

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

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 ⁽²⁾	+75%	+30 psi
Stationary	+105%	+30 psi

B. CONVENTIONAL TIRES

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

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 ⁽²⁾	+60%	+30 psi
2.6 thru 5 ⁽²⁾	+85%	+30 psi
Creep thru 2.5 ⁽²⁾	+115%	+30 psi
Creep ⁽²⁾⁽³⁾	+140%	+40 psi
Stationary ⁽²⁾	+185%	+40 psi

Note: For bias ply tires please consult the TRA Year Book.

Load limits at various speeds for radial ply truck-bus tires, rated at 75 mph or above, used on improved surfaces. ⁽¹⁾

C. 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 ⁽²⁾	+75%	+30 psi
Stationary	+105%	+30 psi

D. 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 ⁽³⁾	+60%	+30 psi
2.6 thru 5 ⁽³⁾	+85%	+30 psi
Creep thru 2.5 ⁽³⁾	+115%	+30 psi
Creep ⁽²⁾⁽³⁾	+140%	+40 psi
Stationary ⁽³⁾	+185%	+40 psi

(1) These load and inflation changes are only required when exceeding the tire manufacturer's rated speed for the tire.

(2) Apply these increases to Dual Loads and Inflation Pressures.

(3) Creep – Motion for not over 200 feet in a 30-minute period.

Note 1: 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 20 psi above the inflation specified for the maximum load of the tire.

Note 2: Load limits at various speeds for:

Tires used in highway service at restricted speed.

Mining and logging tires used in intermittent highway service

*Exceeding the legal speed limit is neither recommended or endorsed.

COLD CLIMATE PRESSURE CORRECTION DATA

Because the pressure inside a tire will decrease when the vehicle is taken from a warm environment to a cold one, some adjustments may be necessary when adjusting the tire pressures of a vehicle to be operated in very cold temperatures.

These adjustments are only necessary if the pressures are verified and adjusted inside a heated garage with an air supply that is also at the higher room temperature. (No adjustment necessary if done outside.)

In extreme cases, the following table should be used to ensure that the operating pressure and deflection of tires are adequate at the outside ambient temperature.

Using the load and pressure charts below, determine the appropriate “Recommended Pressure” required for the axle load. Then find the same pressure down the left

column of the table to the right. Going across to the relevant outside ambient temperature you will find the corrected inflation pressure to be used.

For example:

- A log truck in Alaska has a front axle loaded weight of 12,000 lbs.
- The truck is equipped with 11R24.5 MICHELIN® XZY®3 tires.
- The recommended pressure for this fitment is 105 psi.
- The truck is parked overnight in a heated garage.
- The outside high forecasted for today is -20°F.
- The tire pressures are checked and adjusted prior to leaving the heated garage.

According to the chart below, the tires should be adjusted to 128 psi.

Adjusted Inflation Pressure (psi) (when inflating indoors at 65°F [18°C])

Recommended Pressure (psi)	Outside Ambient Temperature										
	F° 50°	40°	30°	20°	10°	0°	-10°	-20°	-30°	-40°	-50°
	C° 10°	4°	-1°	-7°	-12°	-18°	-23°	-29°	-34°	-40°	-46°
75	78	80	81	83	86	88	90	92	95	98	100
80	83	85	87	89	91	93	96	98	101	104	107
85	88	90	92	94	97	99	102	104	107	110	113
90	93	95	98	100	102	105	108	110	113	116	119
95	98	101	103	105	108	111	113	116	119	123	126
100	103	106	108	111	113	116	119	122	125	129	132
105	109	111	114	116	119	122	125	128	132	135	139
110	114	116	119	122	125	128	131	134	138	141	145
115	119	122	124	127	130	133	137	140	144	148	151
120	124	127	130	133	136	139	143	146	150	154	158
125	129	132	135	138	141	145	148	152	156	160	164
130	134	137	140	144	147	150	154	158	162	166	171

CHANGES IN TOP SPEED WHEN TIRE REVOLUTIONS PER MILE CHANGES

GEAR RATIO

A change in tire dimension will result in a change in engine RPM at a set cruise speed* that will result in a change in speed and fuel economy. The effect of tire size change on gear ratio should be considered in individual operations.

A decrease in tire radius will increase tractive torque and increase indicated top speed. An increase in tire radius will reduce tractive torque and decrease indicated speed.

Tire Revs./Mile – Speed – Size: These factors can affect engine RPM if corresponding changes are not made to engine ratios.

Example: Going from larger diameter tire to smaller diameter tire.

If you currently run a 275/80R22.5 MICHELIN® XDN®2 tire (511 Tire Revs./Mile) and change to a 445/50R22.5 MICHELIN® X ONE® XDN®2 tire (515 Tire Revs./Mile), the speedometer will indicate a slightly higher speed than the actual speed the vehicle is traveling.

$$\frac{\text{Final Tire Revs./Mile} - \text{Initial Tire Revs./Mile}}{\text{Initial Tire Revs./Mile}} =$$

$$\frac{515 - 511}{511} = 0.0078 \text{ or } .78\% (< 1\% \text{ change})$$

So when your actual speed is 60 mph, your speedometer will read 60.47 mph.

MICHELIN X ONE Tire Size	MICHELIN X ONE Tire Tire Revs./Mile
445/50R22.5	515 (X ONE XDN2)
Dual Size	Dual Tire Revs./Mile
275/80R22.5	511 (XDN2)

MICHELIN X ONE Tire Size	MICHELIN X ONE Tire Tire Revs./Mile
455/55R22.5	492 (X ONE XDN2)
Dual Size	Dual Tire Revs./Mile
11R22.5 or 275/80R24.5	496 (XDN2)

Rule of Thumb: When going from a lower Tire Revs./Mile to a higher Tire Revs./Mile, the actual vehicle speed is less than the speedometer reading. When going from a higher Tire Revs./Mile to a lower Tire Revs./Mile, the actual vehicle speed is greater than the speedometer reading.

* Exceeding the legal speed limit is neither recommended nor endorsed.

LOAD AND PRESSURE ADJUSTMENTS FOR NON-STANDARD WHEEL/RIM WIDTHS

To determine the proper load/inflation table, always comply with to the markings on the tire sidewall for maximum load at cold pressure.

Load and inflation industry standards are in a constant state of change. Michelin continually updates its product information to reflect these changes. Therefore, printed material may not reflect the current load and inflation information.

Note: Never exceed the wheel manufacturer's maximum pressure limitation.

S = Single configuration – 2 tires per axle. D = Dual configuration – 4 tires per axle. Loads are indicated per axle.

LOAD / INFLATION TABLE FOR MICHELIN 315/80R22.5 LRL

The following table applies to LRL use with 8.25x22.5 Wheels. (Standard Wheel = 9.00x22.5)

8.25" Wheel – Michelin recommendation (loads per axle): Minimum dual spacing 13.5" (343 mm)

Dimension	Load Range	PSI		75	80	85	90	95	100	105	110	115	120*
		kPa		520	550	590	620	660	690	720	760	790	830
315/80R22.5 8.25" Wheel	L	lbs. per axle	S	10990	11570	12140	12710	13280	13820	14380	14920	15460	16000
			D	20900	22000	23100	24180	25260	26300	27360	28400	29440	30440
		kg. per axle	S	4980	5250	5510	5770	6020	6270	6520	6770	7010	7260
			D	9480	9980	10480	10970	11460	11930	12410	12880	13350	13810

Note: Never exceed the wheel manufacturer's maximum cold pressure limitation and/or load rating.

* When used on an 8.25" wheel, the max load and pressure is lower than that indicated on the sidewall.

TECHNICAL SPECIFICATIONS FOR MICHELIN 455/55R22.5 LRM ON 13.00X22.5 WHEELS STEER AXLE, FIRST LIFE ONLY

(Standard Wheel = 14.00x22.5)

Dimension	Load Range	Loaded Radius		RPM	Max. Load Single*			
		in.	mm.		lbs.	psi	kg.	kPa
455/55R22.5	LRM	19.5	496	493	10000	120	4535	830

Dimension	Load Range	psi		75	80	85	90	95	100	105	110	115	120
		kPa		520	550	590	620	660	690	720	760	790	830
455/55R22.5 13.00" Wheel	LRM	lbs. per axle		13740	14460	15180	15880	16600	17280	17980	18660	19340	20000
		kg. per axle		6240	6520	6900	7180	7560	7820	8100	8460	8720	9070

* Note: When used on a 13.00" wheel the max load and pressure is lower than that indicated on the sidewall.

FRONT AXLE OVERLOAD ON AUTO HAULERS

Recent studies by Michelin's Customer Engineering Support have shown that Auto Haulers may sometimes exceed the designed load capacity of the front axle tires either across the axle or at one of the two axle ends. Improper positioning of the top front loaded vehicle or positioning of heavier than intended vehicles in the top front position contribute to overload conditions.

275/70R22.5 LRJ

MICHELIN® 275/70R22.5 XZE®2+ and MICHELIN® XZA2® ENERGY LRJ truck tires have a maximum single tire load of 6,940 lbs at 130 psi with a maximum speed rating of 75 mph⁽¹⁾. See Load and Inflation table below.⁽³⁾

Overloading the 275/70R22.5 LRJ tires (or any highway tire) and/or exceeding the speed rating of the tire is dangerous and may lead to tire failure.

The 275/70R22.5 LRJ is approved for use on a 7.50 inch and 8.25 inch wheel and not for a 9.00 inch wheel.

Specifications for 275/70R22.5 MICHELIN® XZE®2+ and MICHELIN® XZA2® ENERGY LRJ

Size	Load Range	Catalog Number	Tread Depth	Max. Speed (1)	Loaded Radius		Overall Diameter		Overall Width (2)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (2)		Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm		in	mm		lbs.	psi	kg.	kPa
275/70R22.5 XZE2+	J	78395	19	75	17.6	448	38.0	966	10.9	276	7.50, 8.25	11.9	303	545	6940	130	3150	900
275/70R22.5 XZA2 ENERGY	J	90059	18	75	17.6	448	38.0	966	10.9	277	7.50, 8.25	11.9	303	545	6940	130	3150	900

Load and Inflation Table for 275/70R22.5 MICHELIN® XZE®2+ and MICHELIN® XZA2® ENERGY LRJ

7.50", 8.25" Wheel, Max Speed 75 mph ⁽¹⁾	PSI	85	90	95	100	105	110	115	120	125	130	MAXIMUM LOAD AND PRESSURE ON SIDEWALL	
	kPa	590	620	660	690	720	760	790	830	860	900		
275/70R22.5 LRJ XZE2+, XZA2 ENERGY	LBS SINGLE	9880	10340	10800	11250	11700	12140	12580	13020	13460	13880	S	6940 LBS AT 130 PSI
	LBS DUAL	19420	20320	21220	22100	22980	23860	24720	25580			D	6395 LBS AT 120 PSI
	KG SINGLE	4480	4690	4900	5100	5310	5510	5710	5900	6080	6300	S	3150 KG AT 900 kPa
	KG DUAL	8810	9220	9630	10020	10420	10820	11210	11600			D	2900 KG AT 830 kPa

If an Auto Hauler cannot ensure that the front axle ends were loaded within the limit of the 275/70R22.5 LRJ, the tires should be assumed to have been overloaded, and must be removed and scrapped.

295/60R22.5 LRJ

The recommended alternative fitment for the 275/70R22.5 LRJ is the 295/60R22.5 MICHELIN® XZA2® ENERGY LRJ tire MSPN 33215.

Specifications for 295/60R22.5 MICHELIN® XZA2® ENERGY

Size	Load Range	Catalog Number	Tread Depth	Max. Speed (1)	Loaded Radius		Overall Diameter		Overall Width (2)		Approved Wheels (Measuring wheel listed first.)	Min. Dual Spacing (2)		Revs Per Mile	Max. Load and Pressure Single			
			32nds	mph	in.	mm	in.	mm	in.	mm		in	mm		lbs.	psi	kg.	kPa
295/60R22.5 XZA2 ENERGY	J	33215	16	65 (5)	16.7	424	36.1	918	11.4	290	9.00 (4)	13.0	329	575	7390	130	3350	900

(1) Exceeding the legal speed limit is neither recommended nor endorsed.

(2) Overall widths will change 0.1 inch (2.5 mm) for each 1/4 inch change in wheel width. Minimum dual spacing should be adjusted accordingly.

(3) If used on wheels with 120 psi cold ratings the maximum load/tire in single mount is limited to 6,510 lb/tire.

(4) See Page 93 for use on 8.25 x 22.5" wheel.

(5) See Page 93 for use at 75 mph maximum speed.

295/60R22.5 MICHELIN® XZA2® ENERGY LRJ AND 295/60R22.5 MICHELIN® X® MULTIWAY XD LRJ, ADJUSTED LOAD AND PRESSURE TABLES FOR USE ON 8.25" WHEEL, OR AT 75 MPH⁽¹⁾

295/60R22.5 LRJ – 9.00" Wheel, Max Speed 65 mph⁽¹⁾

The 295/60R22.5 MICHELIN® XZA2® ENERGY and MICHELIN® X® MULTIWAY XD LRJ are designed to be used on a 9.00 x 22.5" wheel and at a maximum speed of 65 mph.⁽¹⁾

(Note that the maximum load and pressure under these conditions match those indicated on the sidewall.)

9.00" Wheel, Max Speed 65 mph ⁽¹⁾	PSI	85	90	95	100	105	110	115	120	125	DESIGN MAXIMUM LOAD AND PRESSURE PER AXLE	DESIGN MAXIMUM LOAD AND PRESSURE PER TIRE
	kPa	590	620	660	690	720	760	790	830	860	130	130
295/60R22.5 LRJ	LBS SINGLE	10520	11010	11500	11980	12460	12930	13400	13860	14320	14780	7390
	LBS DUAL	19300	20200	21100	21980	22860	23720	24580	25440	26280	27120	6780
XZA2 ENERGY, X MULTIWAY XD	KG SINGLE	4770	4990	5220	5430	5650	5860	6080	6290	6460	6700	3350
	KG DUAL	8750	9160	9570	9970	10370	10760	11150	11540	11880	12300	3075

295/60R22.5 LRJ – 9.00" Wheel, Max Speed 75 mph⁽¹⁾

The maximum speed of the 295/60R22.5 MICHELIN® XZA2® ENERGY LRJ and MICHELIN® X® MULTIWAY LRJ on a 9.00 x 22.5" wheel may be increased to 75 mph⁽¹⁾ by applying the following reduced load and pressure table.

(Note that the maximum load under these conditions is less than that indicated on the sidewall.)

9.00" Wheel, Max Speed 75 mph ⁽¹⁾	PSI	90	95	100	105	110	115	120	125	ADJUSTED MAXIMUM LOAD AND PRESSURE PER AXLE	ADJUSTED MAXIMUM LOAD AND PRESSURE PER TIRE
	kPa	620	660	690	720	760	790	830	860	130	130
295/60R22.5 LRJ	LBS SINGLE	10520	11010	11500	11980	12460	12930	13400	13860	14320	7160
	LBS DUAL	19300	20200	21100	21980	22860	23720	24580	25440	26280	6570
XZA2 ENERGY, X MULTIWAY XD	KG SINGLE	4770	4990	5220	5430	5650	5860	6080	6290	6460	3230
	KG DUAL	8750	9160	9570	9970	10370	10760	11150	11540	11880	2970

295/60R22.5 LRJ – 8.25" Wheel, Max Speed 75 mph⁽¹⁾

In addition to running at 75 mph⁽¹⁾, the 295/60R22.5 MICHELIN® XZA2® ENERGY LRJ and MICHELIN® X® MULTIWAY XD LRJ may be mounted on an 8.25 x 22.5" wheel by applying the following further reduced load and pressure table.

(Note that the maximum load and pressure under these conditions are less than that indicated on the sidewall.)

8.25" Wheel Max Speed 75 mph ⁽¹⁾	PSI	70	75	80	85	90	95	100	105	110	115	ADJUSTED MAXIMUM LOAD AND PRESSURE PER AXLE	ADJUSTED MAXIMUM LOAD AND PRESSURE PER TIRE
	kPa	480	520	550	590	620	660	690	720	760	790	120	120
295/60R22.5 LRJ	LBS SINGLE	8600	9030	9350	9850	10250	10710	11040	11420	11680	12170	12350	6175
	LBS DUAL	16160	16980	17640	17920	18660	19760	20100	20780	21420	22140	22700	5675
XZA2 ENERGY, X MULTIWAY XD	KG SINGLE	3900	4100	4240	4460	4660	4860	5000	5180	5300	5520	5600	2800
	KG DUAL	7320	7720	8000	8120	8480	8960	9120	9440	9720	10040	10300	2575

(1) Exceeding the legal speed limit is neither recommended nor endorsed.

Load and inflation industry standards are in a constant state of change. Michelin continually updates its product information to reflect these changes. Therefore, printed material may not reflect the current load and inflation information.

NOTE: The actual load and inflation pressure used must not exceed the wheel manufacturer's maximum conditions. Never exceed a wheel manufacturer's limits without permission of the component manufacturer.

Single configuration = 2 tires per axle. Dual configuration = 4 tires per axle.
Loads are indicated per axle.

Always refer to the MICHELIN® Truck Tire Data Book (MWL40731) and MICHELIN® Truck Tire Service Manual (MWL40732) for proper tire selection, inflation and maintenance.

BALANCE AND RUNOUT

Current Technology & Maintenance Council (TMC) limits from *TMC RP 214C, Tire/Wheel End Balance and Runout*, are listed in the tables below.

**TABLE A:
RECOMMENDED BALANCE AND RUNOUT VALUES FOR DISC WHEELS AND DEMOUNTABLE RIMS**

		Balance (See Note 2)	Radial Runout (See Note 3)	Lateral Runout (See Note 3)
Tubeless Steel Disc Wheels		6 oz. max	0.070 inch max	0.070 inch max
Tubeless Aluminum Disc Wheels		4 oz. max	0.030 inch max	0.030 inch max
Tubeless Demountable Rims		N/A	0.070 inch max	0.070 inch max
Wide Base Wheels	Steel	See Note 1	0.075 inch max	0.075 inch max
	Aluminum	See Note 1	0.030 inch max	0.030 inch max

Note 1: Refer to the manufacturer's specifications for balance and runout values.

Note 2: Amount of weight applied to wheel to balance individual wheel component.

Note 3: For steel wheels, the area adjacent to the rim butt weld is not considered in runout measurements.

**TABLE B:
TIRE/WHEEL ASSEMBLY BALANCE AND RUNOUT LIMITS**

	Tire Position	19.5 Tire/Wheel	Over The Road Applications	On/Off-Road Applications	Wide Base Tire/Wheel
Maximum total weight correction expressed in ounces of weight required to correct at wheel diameter per rotating assembly	Steer	14 oz.	16 oz.	18 oz.	24 oz.
	Drive/Trailer	18 oz.	20 oz.	22 oz.	28 oz.
Lateral runout for rotating assembly	Steer	0.095"	0.095"	0.110"	0.125"
	Drive/Trailer	0.125"	0.125"	0.125"	0.125"
Radial runout for rotating assembly	Steer	0.095"	0.095"	0.110"	0.125"
	Drive/Trailer	0.125"	0.125"	0.125"	0.125"

Note: If tire and wheel assembly is within these limits and ride problem still exists, refer to *TMC RP 648, Troubleshooting Ride Complaints*.

TRUCK TIRE BRANDING

1. The following limits apply when branding MICHELIN® truck tires using equipment without accurate temperature control or which may exceed 465 degrees fahrenheit (240°C). (*Hand held equipment is typically used for this “HOT BRANDING.”*)

a. <u>Brand Temperature</u>	<u>Maximum Depth</u>
570°F (300°C)	1/64 inch (0.4 mm)
480°F (250°C)	1/32 inch (0.8 mm)

- b. Only brand in the “BRAND TIRE HERE” area.

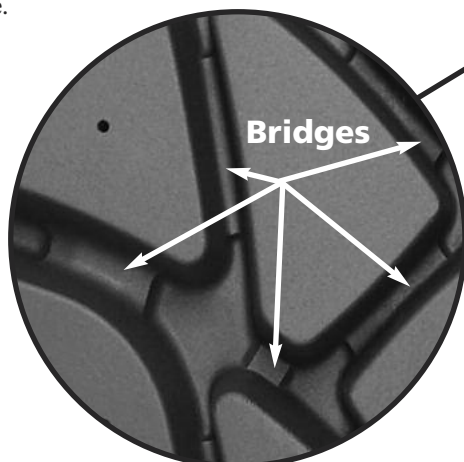
2. For equipment capable of “COLD BRANDING” i.e. controlled temperatures below 465°F (240°C), the following restrictions apply:

a. Temperature	Maximum 465°F (240°C)
b. Contact pressure	Maximum 100 psi
c. Time of contact	Maximum 1 Minute
d. Character Height	Maximum 1 Inch
e. Character Depth	Maximum 0.040 Inch (1.0 mm)
f. Location:	
Circumferentially	— in the “BRAND TIRE HERE” area, or centered above it.
Radially	— in the “BRAND TIRE HERE” area with no portion of any character extending more than 1” above the outline of the area.

TREAD DEPTH MEASUREMENT ON TIRES RETREADED WITH THE MICHELIN® XDU®S PRE-MOLD™ RETREAD

The MICHELIN® XDU®S Pre-Mold™ Retread has a lug design optimized for high scrub, high traction operations as well as 32/32nds original tread depth. The tread design incorporates bridges between the lugs in order to stabilize the lugs. See photo below.

Care must be taken when taking tread depth measurements in order to get an accurate determination of the remaining tread depth. Do not take measurements on top of the bridges! This will give a false reading and may lead to the tire being pulled from service earlier than necessary. There may be as much as 4/32nds difference in the measurements taken on top of the bridge as opposed to taking it at the bottom of the groove.



FMVSS -119 Section (c) and The Federal Motor Carrier Safety Regulation Part 393.75 state that (non – steer axle) “tires shall have a tread groove pattern depth of at least 2/32nds of an inch when measured in a major tread groove. The measurement shall not be made where tie bars, humps or fillets are located.”



Truck Tires



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Retreads

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