



**CITY CLERK  
ORIGINAL  
CITY OF GLENDALE  
MATERIALS MANAGEMENT  
INVITATION FOR BIDS**

**C-10432  
11/10/2015**

**SOLICITATION NUMBER:** IFB 16-14  
**PUBLISHED DATE:** SEPTEMBER 10, 2015  
**TITLE:** TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT  
**BID DUE DATE AND TIME:** SEPTEMBER 24, 2015 BEFORE 2:00 PM LOCAL TIME

Bids for the materials or services specified will be received by the City of Glendale, Materials Management at the below specified location prior to the time and date cited. Bids received by the correct time and date will be opened at 2:00 P.M. and the name of each bidder will be publicly read.

**SUBMITTAL LOCATION:** City of Glendale  
Materials Management  
5850 West Glendale Avenue, Suite 317  
Glendale, Arizona 85301

Bids must be in the actual possession of Materials Management prior to the time and date, and at the location indicated. Materials Management is located on the third (3<sup>rd</sup>) floor of the Glendale Municipal Complex (City Hall) in the Engineering Department. Bids are accepted from the hours of 8:00 am and 5:00 pm, Monday through Friday, unless otherwise indicated for a holiday. All bids will be received, and time/date stamped at the Engineering Department's front counter. Late Bids will not be considered.

Bids must be submitted in a sealed envelope with the Solicitation Number and the Bidder's name and address clearly indicated on the envelope. See Paragraph 2.2 for additional instructions for preparing a bid.

**BIDDERS ARE STRONGLY ENCOURAGED TO CAREFULLY READ THE ENTIRE SOLICITATION.**

For questions regarding this solicitation contact:  
**Crista Clevenger, Contract Analyst**  
**Materials Management Division**  
**(623) 930-2865**  
[CClevenger@Glendaleaz.com](mailto:CClevenger@Glendaleaz.com)



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY**  
**VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

**TABLE OF CONTENTS**

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>PAGES</b>
	<b>NOTICE IFB 16-14</b>	<b>1</b>
	<b>TABLE OF CONTENTS</b>	<b>2</b>
<b>1.0</b>	<b>SPECIFICATIONS</b>	<b>3</b>
<b>2.0</b>	<b>SPECIAL INSTRUCTIONS</b>	<b>5</b>
<b>3.0</b>	<b>SPECIAL TERMS AND CONDITIONS</b>	<b>8</b>
<b>4.0</b>	<b>BIDDER SHEET</b>	<b>15</b>
<b>5.0</b>	<b>BIDDING SCHEDULE</b>	<b>16</b>
	<b>SAMPLE CONTRACT</b>	<b>19</b>



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

**INTRODUCTION**

The City of Glendale (City), Arizona, Equipment Management Division, intends to establish a term contract with qualified vendors for the purchase of tires of various Brand, Size and Model for light and heavy duty vehicles and equipment.

**1.0 SPECIFICATIONS**

- 1.1 All tires shall be of standard Original Equipment Manufacturers quality equal to or superior in every respect to those normally furnished as original equipment for such vehicles and equipment.
- 1.2 All tires must be new and must have been produced or manufactured within the last one (1) year prior to delivery to the City.
- 1.3 All tires must have the size (including load range), manufacturer's name and DOT number, serial number and indication of body material molded in side-wall at time of cure. The application of any other means such as branding, application of decals, etc. will not be acceptable.
- 1.4 Tires offered must have been tested to meet or exceed ASTM (American Society of Testing and Materials) Standard F1922 for highway tires, F1922 for highway tires, F1923 for OffRoad/Low Speed tires, and meet operational performance levels and marking requirements of Federal Standards FMVSS 109 for new pneumatic passenger tires and FMVSS 119 for new pneumatic non-passenger MPVs, trucks, buses, and trailers.
- 1.5 Pursuit & Performance Tires include tires for police and other pursuit vehicles and for other high-speed, performance vehicles. This subcategory includes any tire that is H, V, W, Y, or ZR rated or above. An H rating is the minimum speed rating for tires in this subcategory. Tires shall be new, standard production tires expressly designed and certified by manufacturer for high speed operation and shall exhibit exceptional safety, stability, handling and stopping characteristics. Contractor shall maintain evidence/certifications that such tires meet all laboratory test and size requirements of Federal Standards MVSS 109.
- 1.6 Throughout the term of this contract, the City reserves the right to add, remove, or make changes to the quantities and/or types to best serve the needs of the City.
- 1.7 Quantities listed in this solicitation are the City's best estimate only and do not obligate the City to order more than the City's actual requirements and subject to availability of appropriated funds.
- 1.8 Standard Manufacturer's Warranty shall apply to all tires purchased.



**SOLICITATION NUMBER: IFB 16-14**

**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301**

- 1.9** Same day delivery of tires shall apply upon receipt of written notification in the form of a purchase order from the City. All deliveries shall be made during City of Glendale office hours, Monday through Friday, excluding holidays.
- 1.10** Prices listed in **Section 5 Bidding Schedule** shall take into consideration all inherent costs of providing the requested goods and services. The Bidder agrees to pay any and all fees, including, but not limited to, fuel surcharges, delivery and transportation costs, recycle fees, duties, custom fees, permits, brokerage fees, licenses and registrations. The City will not pay any additional charges beyond the price(s) listed in the response.



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

**2.0 SPECIAL INSTRUCTIONS**

**2.1 RETURN OF BID One (1) original hard copy.** The original bid shall be one-sided. The sections of the submittal should be clearly identifiable and should follow the instructions noted in the PREPARATION OF BID PACKAGE section of this Invitation for Bid (IFB). Failure to include the requested information may have a negative impact on the evaluation of the bidder's offer.

**2.2 PREPARATION OF BID PACKAGE** The following items shall be completed and returned. Failure to include all the items may result in a bid being rejected. Bid packages shall be submitted in the following order:

**2.2.1 BIDDER SHEET, Section 4.0**

**2.2.2 BIDDER SCHEDULE, Section 5.0**

**2.2.3 ADDENDUM, Return all addenda (if applicable).**

**2.3 EVALUATION CRITERIA** Invitation for Bids (IFB) are awarded to the lowest, responsible and responsive bidder whose bid conforms in all material respect to the requirements and criteria set forth in the Invitation for Bids.

**2.4 TYPE OF AWARD** The City reserves the right to make multiple awards or to award by group of line items, or to make an aggregate award, whichever is deemed most advantageous to the City. If the City determines that an aggregate award to one bidder is not in the City's best interest, "all or none" Bids shall be rejected.

**2.5 ALTERNATE BIDS/EXCEPTIONS**

Bids submitted as alternates, or on the basis of exceptions to specific conditions of purchase and/or required specifications, must be submitted as an attachment referencing the specific paragraph number(s) and adequately defining the alternate or exception submitted. Detailed product brochures and/or technical literature, suitable for evaluation, must be submitted with the Bid. If no exceptions are taken, City will expect and require complete compliance with the specifications and all conditions of purchase.

**2.6 BRAND NAME OR EQUAL** Specification which uses a brand name, manufacturer's name or product number is used for the purpose of designating the standard of quality, performance, and characteristics needed to meet City requirements and is not intended to limit or restrict competition.

**2.7 PROPRIETARY INFORMATION**

Bidders shall clearly mark any proprietary information contained in its bid with the words "Proprietary Information." Bidder shall not mark any Solicitation Form as proprietary. Pricing data shall not be considered proprietary. Marking all, or nearly all, of a bid as proprietary may result in rejection of the bid.

Bidders acknowledge that the City is required by law to make certain records available for public inspection. In the event that the City receives a request for disclosure of Proprietary Information by any person, court, agency or administrative body, or otherwise has a reasonable belief that it is obligated to disclose the Proprietary Information to any such person or authority,



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY**  
**VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

the City will provide Bidder with prompt written notice so that Bidder may seek a protective order or other appropriate remedy. The Bidder, by submission of materials marked Proprietary Information, acknowledges and agrees that the City will have no obligation to advocate for non-disclosure in any forum or any liability to the Bidder in the event that the City must legally disclose the Proprietary Information.

- 2.9 INQUIRIES** Any question related to this solicitation shall be directed to the Contract Analyst whose name appears above. Any Bidder shall not contact or ask questions of the department for whom the requirement is being procured. The Contract Analyst may require any and all questions be submitted in writing. Bidders are encouraged to submit written questions via electronic mail or facsimile, at least five days prior to the proposal due date. Any correspondence related to a solicitation should refer to the appropriate solicitation number, page and paragraph number. An envelope containing questions should be identified as such; otherwise it may not be opened until after the official Bid due date and time. Oral interpretations or clarifications will be without legal effect. Only questions answered by a formal written amendment to the solicitation will be binding.
- 2.10 ADDITIONAL INFORMATION** The City reserves the right to secure additional information from any Bidder as it deems necessary to establish the competence and financial stability of any Bidder submitting a bid.
- 2.11 PRIOR EXPERIENCE** Experiences with the City and entities that evaluation committee members represent and that are not specifically mentioned in the solicitation response may be taken into consideration when evaluating Bids.
- 2.12 EVALUATION LITERATURE**  
Bids submitted for products considered by the seller to be equal to or better than the brand names or manufacturer's catalog references specified herein, must be submitted with technical literature and/or detailed product brochures with written statements if the literature or brochure is not specific as to the specification for the City's use to evaluate the product(s) offered. Bids submitted without this product information may be considered as non-responsive and rejected.
- 2.13 WITHDRAWAL OF BID** At any time prior to the specified solicitation due date and time, a Bidder may formally withdraw the bid by a written letter, facsimile or electronic mail from the Bidder or a designated representative. Telephonic or oral withdrawals shall not be considered.
- 2.14 NO CONTACT, NO INFLUENCE DURING THE IFB PROCESS** The City is conducting a competitive IFB process for the contract, free from improper influence or lobbying. There shall be no contact concerning this IFB from Bidders submitting a bid with any member of the City Council, Evaluation Committee Members, or anyone connected with the process for or on behalf of the City. Contact includes direct or indirect contact by the Bidder, its employees, attorneys, lobbyists, surrogates, etc. in an attempt to influence the IFB process.

From the time the IFB is issued until the expiration of the protest period or the resolution of any protest, whichever is later (the "Black-Out Period"), Bidders, directly or indirectly through others, are restricted from attempting to influence in any manner the decision making process through, including but not limited to, the use of paid media; contacting or lobbying the City Council or City Manager or any other City employee (other than Material Management



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY**  
**VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

employees); the use of any media for the purpose of influencing the outcome; or in any other way that could be construed to influence any part of the decision-making process about this IFB. This provision shall not prohibit a Bidder from petitioning an elected official or engaging in any other protected first amendment activity after the protest period has run or any protest has been resolved, whichever is later.

Violation of this provision will cause the bid of the Bidder to be found in violation and to be rejected.

- 2.15 NOTICE OF INTENT TO AWARD AND PROTEST PERIOD** Information about the recommended award for this solicitation will be posted on the Internet. The information will be available for review on the City's Materials Management Internet home page [www.glendaleaz.com/purchasing](http://www.glendaleaz.com/purchasing) immediately after the City has completed its evaluation process of the Bids received. If you have any questions, or would like further information about an intended award, contact the contract analyst immediately. Any protest must be submitted to the Materials Manager no later than seven (7) calendar days from the date of posting on the Internet.

Please go to: <http://www.glendaleaz.com/Purchasing/doingbusinesswithglendale.cfm> for information and instructions on how to file a protest with the City of Glendale.

- 2.16 CONFLICT OF INTEREST** The Bidder shall disclose any and all possible conflicts of interest if any senior or managing personnel of the Contractor have a potentially conflicting business or personal relationship with any City employees that have or may have a role in the selection or management of the services or goods being solicited. Providing such disclosure will not necessarily disqualify a Contractor from providing a proposal or bid. Failure to disclose a potential conflict of interest may result in rejection of the proposal or bid or termination of a resultant contract.



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

**3.0 SPECIAL TERMS AND CONDITIONS**

**3.1 INCORPORATION BY REFERENCE** All responses shall incorporate by reference the Scope/Specifications, terms and conditions, general instructions and conditions and any attachments. The Standard Terms and Conditions applicable to this solicitation are posted on the Internet. They are available for review and download at the City's Materials Management Internet home page, [www.glendaleaz.com/purchasing](http://www.glendaleaz.com/purchasing). Bidders are advised to review all provisions of the General Instructions and Conditions for this solicitation.

**3.2 PUBLIC RECORD** Contractor acknowledges that the City is a public agency and must comply with all Public Records laws. All Bids submitted in response to the Solicitation shall become the property of the City and, subsequent to award recommendation, become a matter of public record available for review pursuant to Arizona Public Records Law.

If a Contractor believes that a specific section of its response is confidential, that should be withheld from the public record, Contractor shall isolate the pages and mark each page confidential in a specific and clearly labeled section of its Proposal response. The Contractor shall include a written statement as to the basis for considering the marked pages confidential including the specific harm or prejudice if disclosed. The City Materials Management Division will review the material and make a determination as to the confidentiality of any of the information and/or material contained within the Submittal. In the event of a public records request for documents Contractor deems confidential, the City will notify Contractor of the request and if Contractor claims such documents are confidential, it shall be the Contractor's sole responsibility, including sole cost, to take appropriate action, including legal action, to protect such documents.

**3.3 ESTIMATED QUANTITIES** The City's actual requirements during the period of this agreement shall be determined by the actual needs and availability of appropriated funds. The City may order some, all, more, or none of the individual quantities. The Quantities listed are the City's best estimate and do not obligate the City to order or accept more than City's actual requirements during the period of this agreement as determined by actual needs and availability of appropriated funds. It is expressly understood and agreed that the resulting contract is to supply the City with its complete actual requirements for the contract period, except that the estimated quantity shown for each proposal item shall not be exceeded by 100% without the express written approval of the Materials Manager. Any demand or order made by any employee or officer of the City, other than the Materials Manager, for quantities in the excess of the estimated quantities shall be void if the written approval of the Materials Manager was not received prior to the Contractor's performance.

**3.4 LIQUIDATED DAMAGES** If the successful Contractor fails to deliver the supplies or perform the services within the time specified in this contract, or any extension thereof, the actual damages to the City for the delay will be difficult or impossible to determine. Therefore, in lieu of actual damages, the successful proposer shall pay to the City as fixed, agreed, and liquidated damages for each calendar day of delay, the amount of \$250.00. The successful Contractor shall not be charged with liquidated damages when the delay arises out of cause beyond the control and without the fault of negligence of the successful proposer. The City shall determine what is beyond the control of the successful proposer and his supplier.



SOLICITATION NUMBER: IFB 16-14

**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

CITY OF GLENDALE  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

- 3.5 COOPERATIVE USE OF CONTRACT** This agreement may be extended for use by other governmental agencies and political subdivisions of the State including all members of SAVE (Strategic Alliance for Volume Expenditures). Any such usage by other entities must be in accord with the ordinances, charter, rules and regulations of the respective entity and the approval of the Contractor and City. For a list of SAVE members click on the following link: <http://www.maricopa.gov/materials/SAVE/SAVE-members.PDF>
- 3.6 PRICE.** All prices quoted shall be firm and fixed for the specified contract period. Supplier price shall include, but is not limited to, travel time, delivery, freight, warranty, etc. Price shall NOT include a fuel surcharge. See the attached Bidding Schedule.
- 3.7 PRICE ADJUSTMENTS** Contractor shall submit a request for a rate increase a minimum of sixty (60) days prior to the contract renewal date. The request shall be in writing and include supportive justification for the proposed increase. The rate increase shall only be considered at time of contract extension. The City will review the request and shall determine if the increase shall be granted or if an alternate option is in the best interest of the City. The price increase adjustment, if approved, will be effective and executed via a contract amendment.
- 3.8 PRICE REDUCTION.** Bidder shall offer City a price reduction for its products concurrent with a published price reduction made to other municipalities.
- 3.9 DELIVERY.** All deliveries must include Material Safety Data Sheets (MSDS). All prices are F.O.B. Destination and include delivery and unloading at the specific City destinations. Supplier shall provide all necessary equipment, i.e., compressors, hoses and proper connections to transfer chemicals into City storage tanks or facilities and will be held liable for any spillage on City property. Supplier shall retain title and control of all goods until they are delivered and accepted by City. All risk of transportation and all related charges shall be the responsibility of the Supplier. All claims for visible or concealed damage shall be filed by Supplier. City will notify Supplier promptly of all damaged goods and shall assist Supplier in arranging for inspection.
- 3.10 WARRANTIES.** Successful Supplier(s) warrants that all materials delivered under this contract shall conform to the Standard Manufacturer's Warranty. Any defects of design, workmanship, or materials, which would result in non-compliance with the contract specification, shall be fully corrected by the Supplier (including labor and materials) without cost to the City.
- 3.11 INSPECTION.** All materials and/or services are subject to final inspection and acceptance by the City. Materials and/or services failing to conform to the specifications of this contract will be held at Supplier's risk and may be returned to the Supplier or rejected by the City. If returned or rejected, all costs are the responsibility of the Supplier. The City may elect to do any or all:
- 1.2.13 Waive the non-conformance;
  - 1.2.14 Stop the work immediately;
  - 1.2.15 Bring material into compliance.
- This shall be accomplished by a written determination by the City.
- 3.12 PACKING and SHIPPING.** Successful Supplier shall be responsible for industry standard packing which conforms to requirements of carrier's tariffs and Interstate Commerce Commission (ICC) regulations. Containers must be clearly marked as to the lot number,



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

destination, address and purchase order number.

- 3.13 DELIVERY TIME** Same day delivery of tires shall apply upon receipt of written notification in the form of a purchase order from the City. All deliveries shall be made during City of Glendale office hours, Monday through Friday, excluding holidays.
- 3.14 FOB POINT** Prices quoted shall be FOB destination to: City of Glendale
- 3.15 TERM OF AGREEMENT** The term of this agreement shall be for an initial one (1) year period.
- 3.16 OPTION TO EXTEND** The City may, at its option and with the approval of the Contractor, extend the term of this agreement four (4) additional years in one (1) year increments based on satisfactory Contractor performance. Contractor shall be notified in writing by the City Materials Manager of the City's intention to extend the contract period at least sixty (60) calendar days prior to the expiration of the original contract period. Price adjustments will only be reviewed during contract renewal.
- 3.17 CHANGES OR ADDITIONS OF PRODUCTS OR SERVICES** The City reserves the right to revise or make changes within the general Specifications as deemed necessary to best serve the interest of the City. All changes shall be documented by formal amendment to the contract.
- 3.18 PERMITS AND LICENSES** The Contractor and Subcontractors shall be responsible for determining and securing, at his/her expense, any and all licenses and permits that are required by any statute, ordinance, rule or regulation of any regulatory body having jurisdiction in any manner connected with providing operations and maintenance of the facility. Such fees shall be included in and are part of the total proposal cost. During the term of the contract, the Contractor shall notify the City in writing, within two (2) working days, of any suspension, revocation or renewal.
- 3.19 INSURANCE.** Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Contractor, his agents, representatives, employees or subcontractors.

**MINIMUM SCOPE AND LIMIT OF INSURANCE**

Coverage shall be at least as broad as:

- 1. Commercial General Liability (CGL):** Insurance covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$1,000,000 per occurrence, \$2,000,000 aggregate. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
- 2. Automobile Liability:** Insurance covering any auto (Code 1), or if Contractor has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$1,000,000 per accident for bodily injury and property damage.



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

3. **Workers' Compensation:** as required by the State of Arizona, with Statutory Limits, and Employer's Liability Insurance with limit of no less than **\$1,000,000** per accident for bodily injury or disease.

If the contractor maintains higher limits than the minimums shown above, the City requires and shall be entitled to coverage for the higher limits maintained by the contractor.

**Other Insurance Provisions**

The insurance policies are to contain, or be endorsed to contain, the following provisions:

***Additional Insured Status***

The City, its officers, officials, employees, and volunteers are to be covered as additional insured's on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations.

***Primary Coverage***

For any claims related to this contract, the Contractor's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

***Notice of Cancellation***

Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the City.

***Waiver of Subrogation***

Contractor hereby grants to City a waiver of any right to subrogation which any insurer of said Contractor may acquire against the City by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer.

***Acceptability of Insurers***

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to the City.

***Verification of Coverage***

Contractor shall furnish the City with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received by the Contract Administrator and approved by the City before work commences. **DO NOT SEND CERTIFICATES TO RISK MANAGEMENT.** However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.



**SOLICITATION NUMBER: IFB 16-14**

**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

***Special Risks or Circumstances***

City reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

- 3.20 WORKERS' COMPENSATION** Contractor shall be in full compliance with the provisions of the Arizona Workers' Compensation Law (Title 23, Chapter 6, Arizona Revised Statutes) as amended, and all rules and regulations of the Industrial Commission of Arizona made in pursuance thereof. Contractor shall secure payment of compensation to employees by insuring the payment of such compensation with the State Compensation Fund or any insurance company authorized by the Insurance Department of Arizona to transact business in the State of Arizona.

Contractor further agrees that he shall require any and all subcontractors performing work under the agreement to comply with said Workers' Compensation Law. It is expressly understood and agreed that all persons employed directly or indirectly by the Contractor, or any of his subcontractors, shall be considered the employees of such Contractor, or his subcontractor(s), and not the employees of the City.

- 3.21 EMERGENCY BUSINESS SERVICES** During a natural disaster, or homeland security event, there may be a need for the City to access your business for products or services twenty-four (24) hours a day, seven (7) days a week, three hundred sixty-five (365) days a year. The need could be for a pick up or a delivery.

For this purpose, a primary and secondary emergency contact name and phone number are required from the Contractor. It is critical to the City that the contractor's emergency contact information remains current. The Materials Management staff member, identified on page 1, is to be contacted by E-mail with any change to a contact name or phone number.

All products or services provided to meet an emergency phone request are to be supplied as per the contract prices, terms and conditions. The Contractor may provide the fee (pricing) for an after-hours emergency opening of the business separate from the Price Sheet (Section 4.0). In general, the order will be placed using a City Procurement Card.

- 3.22 CONTRACT CANCELLATION** The City reserves the right to cancel the whole or any part of the contract due to failure of the Contractor to carry out any term, promise, or condition of the contract. The City will issue a written ten (10) day notice of default to the Contractor for acting or failing to act as in any of the following:

**3.22.1** The Contractor provides personnel that do not meet the requirements of the contract.

**3.22.2** The Contractor fails to perform adequately the services required in the contract.

**3.22.3** The Contractor attempts to impose on the City, personnel, which are of an unacceptable quality.

**3.22.4** The Contractor fails to furnish or finish the required product and/or service within the time stipulated in the contract.



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

**3.22.5** The Contractor fails to make progress in the performance of the requirements of the contract and/or gives the City a positive indication that the Contractor will not or cannot perform to the requirements of the contract.

If the Contractor does not correct the above problem(s) within ten (10) days after receiving the notice of default, the City may resort to any single or combination of the following remedies:

- a. Cancel the contract;
- b. Reserve all rights or claims to damage for breach of any covenants of the contract;
- c. Perform any test or analysis on materials for compliance with the specifications of the contract. If the results of any test or analysis find a material non-compliant with the specifications, the actual expense of testing shall be borne by the Contractor;
- d. In case of default, the City reserves the right to purchase materials or to complete the required work in accordance with the City Procurement Code. The City may recover any actual excess costs from the contractor by:
  1. Deduction from an unpaid balance;
  2. Any combination of the above or any other remedies as provided by law.

**3.23 INDEMNIFICATION CLAUSE:**

To the extent allowed by law, Contractor shall defend, indemnify, and hold harmless the City of Glendale, and its departments, boards, commissions, officers, officials, agents, employees and volunteers (hereinafter referred to as "Indemnitee") from and against any and all claims, actions, liabilities, damages, losses, or expenses (including court costs, attorneys' fees, and costs of claim processing, investigation and litigation) (hereinafter referred to as "Claims") for bodily injury or personal injury (including death), or loss or damage to tangible or intangible property caused, or alleged to be caused, in whole or in part, by the negligent or willful acts or omissions of Contractor or any of its owners, officers, directors, agents, employees or subcontractors. This indemnity includes any claim or amount arising out of, or recovered under, the Workers' Compensation Law or arising out of the failure of such contractor to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. It is the specific intention of the parties that the Indemnitee shall, in all instances, except for Claims arising solely from the negligent or willful acts or omissions of the Indemnitee, be indemnified by Contractor from and against any and all claims. It is agreed that Contractor will be responsible for primary loss investigation, defense and judgment costs where this indemnification is applicable. In consideration of the award of this contract, the Contractor agrees to waive all rights of subrogation against the City of Glendale, its officers, officials, agents, employees and volunteers for losses arising from the work performed by the Contractor for the City of Glendale.

**3.24 NON-DISCRIMINATION** By submitting this Bid, Contractor agrees not to discriminate against any employee or applicant for employment on the basis of race, color, religion, sex, national origin, age, marital status, sexual orientation, gender identity or expression, genetic characteristics, familial status, U.S. military veteran status or any disability. Contractor will



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY  
VEHICLES AND EQUIPMENT**

**CITY OF GLENDALE**  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

require any Sub-contractor to be bound to the same requirements as stated within this section. Contractor, and on behalf of any subcontractors, warrants compliance with this section.

**1.1 CERTIFICATION** By signature on the Offer/Bid page, solicitation Amendment(s), or cover letter accompanying the submittal documents, Contractor certifies:

The submission of the offer did not involve collusion, and without any agreement, understanding or planned common course of action with, any other vendor of materials, supplies, equipment or services described in the invitation to bid, designed to limit independent bidding or competition or other anti-competitive practices. The Contractor shall not discriminate against any employee or applicant for employment in violation of Federal or State law. The Contractor has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, meal or service to a public servant in connection with the submitted offer. The Contractor hereby certifies that the individual signing the submittal is an authorized agent for the Contractor and has the authority to bind the Contractor to the Contract.

By signing the bidder sheet, the bidder certifies that the bid submitted has been arrived at independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other vendor of materials, supplies, equipment or services described in the invitation to bid, designed to limit independent bidding or competition.

 <p><b>GLENDALE</b></p>	<p><b>SOLICITATION NUMBER: IFB 16-14</b></p> <p><b>TIRES FOR LIGHT AND HEAVY DUTY VEHICLES AND EQUIPMENT</b></p>	<p><b>CITY OF GLENDALE</b>  Materials Management  5850 West Glendale  Avenue, Suite 317  Glendale, Arizona 85301</p>
--	--	--

**4.0 BIDDER SHEET**

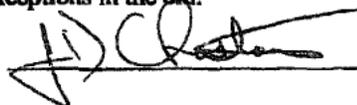
**CONDITIONAL ACCEPTANCE**

**INVITATION FOR BID NO. IFB # 16-14**  
**TITLE: TIRES FOR LIGHT AND HEAVY DUTY VEHICLES AND EQUIPMENT**

1. Subject to City Council approval, this notification constitutes a conditional acceptance of your bid to provide the materials listed on the Bidder Schedule. All terms and conditions of the IFB shall apply.
2. The term of the proposed Agreement shall be a one (1) year initial period with the option of the City and with the approval of the Contractor to extend the proposed agreement for four (4) additional years in one (1) year increments based on satisfactory contract performance.
3. A Department administrator will oversee the proposed Agreement for the City. The City's contract administrator is \_\_\_\_\_.
4. This Conditional Acceptance does not constitute a commitment to purchase on the part of the City of Glendale.
5. You are required to sign and return this Acceptance with this Bid. Failure to furnish a signed a copy of this document to the City of Glendale will be considered a default, and your refusal to contract with the City. The City is entitled to any remedies or rights as may be granted by law.

**OFFER**

The Undersigned hereby offers and agrees to furnish the material or service in compliance with all terms, conditions, specifications and amendments in the Solicitation and any written exceptions in the bid.

Contractor Name: REDBURN TIRE COMPANY Contractor Signature:   
(Printed)  
Company Address: 3801 W. Clarendon Title: President  
Phoenix, AZ 85019 Telephone No.: 602-272-7601

Email Address: jd@rtco.net

Company Federal I.D.: [REDACTED]

**ACCEPTANCE OF OFFER**

The Offer is conditionally accepted. The Contractor is now bound to sell the materials or services specified in the IFB, including all terms and conditions, specifications, addenda, etc. Contractor is cautioned not to provide any material or service under this proposed Agreement until City Council has approved the expenditure and Contractor receives a Purchase Order.

City of Glendale City Manager or Designee Signature:   
Printed Name and Title: Richard A. Bowers, Acting City Manager

Date: 11/13/15

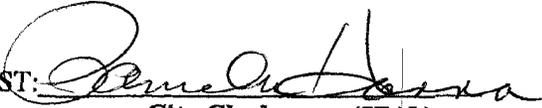


**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY**  
**VEHICLES AND EQUIPMENT**

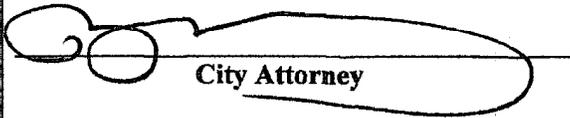
CITY OF GLENDALE  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

**ACCEPTANCE OF OFFER (CONTINUED)**

ATTEST:

  
City Clerk (SEAL)

APPROVED AS TO FORM:

  
City Attorney

	<b>SOLICITATION NUMBER: IFB 16-14</b> <b>TIRES FOR LIGHT AND HEAVY DUTY VEHICLES AND EQUIPMENT</b>	<b>CITY OF GLENDALE</b> Materials Management 5850 West Glendale Avenue, Suite 317 Glendale, Arizona 85301
---	---	---

**5.0**

**BIDDING SCHEDULE**

Bidders shall thoroughly complete the Price Sheet as requested. The Unit Price shall include, but is not limited to, shipping, labor, equipment, tools, materials, supplies, licenses, fees, insurance, profit, and any other associated direct or indirect costs. Sales tax shall not be included in the Unit Price.

<b>5.1 TIRES FOR LIGHT AND HEAVY DUTY VEHICLES AND EQUIPMENT</b>						
<b>BRAND</b>	<b>SIZE</b>	<b>MODEL</b>	<b>USE</b>	<b>ESTIMATED QUANTITY (A)</b>	<b>UNIT PRICE (B)</b>	<b>EXTENDED PRICE (AxB)</b>
GOODYEAR	255/70R22.5	G661 RV	GUS BUS	10	See Attachment A	\$ _____
GOODYEAR	P255/70R16	WRANGLER RTS	1/2 TON P/U	10	\$ NO BID	\$ _____
GOODYEAR	LT245/70R17E	WRANGLER DURATRAC	LANDFILL	10	\$ NO BID	\$ _____
GOODYEAR	LT245/75R16E	WRANGLER DURATRAC	LANDFILL	10	\$ NO BID	\$ _____
GOODYEAR	ST235/80R16E	MARATHON TRAILER	HD FLAT BED TRAILER	30	\$ NO BID	\$ _____
GOODYEAR	LT235/85R16E	WRANGLER HT	3/4 TON P/U	10	\$ NO BID	\$ _____
GOODYEAR	LT235/85R16	G614 TRACTOR	CASE TRACTOR/HD FLAT BED TRAILER	150	See Attachment A	\$ _____
GOODYEAR	P265/60R17	EAGLE RSA 108V	POLICE TAHOE	140	See Attachment A	\$ _____
GOODYEAR	P225/60R16	FUEL MAX VSB	POLICE IMPALA	40	\$ NO BID	\$ _____
GOODYEAR	P245/55R18	EAGLE RSA 103V	POLICE	10	\$ NO BID	\$ _____
GOODYEAR	P235/55R17	EAGLE RSA 98W	POLICE CROWN VIC	330	See Attachment A	\$ _____
GOODYEAR	385/65R22.5	G296 SUPER SINGLE	FIRE TRUCK DUMP TRUCK	10	See Attachment A	\$ _____
#225425 FIRESTONE	LT245/75R17E	TRANSFORCE HT	3/4 TON P/U	100	\$ 120.12	\$ 12,012.00
#189769 FIRESTONE	LT245/75R16E	TRANSFORCE HT FI	3/4 TON P/U	40	\$ 109.11	\$ 4,364.40
#140344 FIRESTONE	P225/70R15	DESTINATION LE2	FORD RANGER P/U	40	\$ 86.98	\$ 3,479.20



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY**  
**VEHICLES AND EQUIPMENT**

CITY OF GLENDALE  
 Materials Management  
 5850 West Glendale  
 Avenue, Suite 317  
 Glendale, Arizona 85301

BRAND	SIZE	MODEL	USE	ESTIMATED QUANTITY (A)	UNIT PRICE (B)	EXTENDED PRICE (AxB)
#097827 FIRESTONE	P245/70R17	DESTINATION LE2	1/2 TON P/U	60	\$ 102.85	\$ 6,171.00
#097759 FIRESTONE	P235/70R16	DESTINATION LE2	1/2 TON P/U	20	\$ 103.34	\$ 2,066.80
#139987 FIRESTONE	P205/60R16	WIDE OVAL	FORD TAURUS	20	\$ 79.80	\$ 1,596.00
#140718 FIRESTONE	P215/60R16	PRECISION TOURING	FORD TAURUS/ FUSION	100	\$ 75.42	\$ 7,542.00
HANKOOK	LT245/75R16	RH12	3/4 TON P/U	20	\$ NO BID	\$ _____
HANKOOK	P205/75R15	H724	CHEVROLET COLORADO	30	\$ NO BID	\$ _____
HANKOOK	P235/70R17	RH12	1/2 TON P/U	110	See Attachment A	\$ _____
HANKOOK	LT225/75R16	RH12	3/4 TON P/U	130	See Attachment A	\$ _____
HANKOOK	P225/50R17	H437	FORD FUSION	10	\$ NO BID	\$ _____
HANKOOK	P215/60R16	H725	FORD TAURUS/FUSION	10	\$ NO BID	\$ _____
HANKOOK	315/80R22.5L	AH11	MOST HD TRUCKS	270	See Attachment A	\$ _____
HANKOOK	11R22.5	AH12	MOST HD TRUCKS	210	See Attachment A	\$ _____
#91045 MICHELIN	225/70R19.5	G XZE	F450/F550/ AMBULANCE	50	\$ 333.34	\$ 16,667.00
#85335 MICHELIN	12R22.5	XZE L/R H	FIRE TRUCK	10	\$ 619.64	\$ 6,196.40
#11829 MICHELIN	425/65R22.5	XFE L/R L HIGHWAY TREAD	FIRE TRUCK	10	\$ 829.15	\$ 8,291.50
#40321 MICHELIN	425/65R22.5	XZY3 L/R L OFF-ROAD TREAD	DUMP TRUCK	10	\$ 809.44	\$ 8,094.40



**SOLICITATION NUMBER: IFB 16-14**  
**TIRES FOR LIGHT AND HEAVY DUTY**  
**VEHICLES AND EQUIPMENT**

CITY OF GLENDALE  
 Materials Management  
 5850 West Glendale  
 Avenue, Suite 317  
 Glendale, Arizona 85301

BRAND	SIZE	MODEL	USE	ESTIMATED QUANTITY (A)	UNIT PRICE (B)	EXTENDED PRICE (AxB)
MICHELIN / MOTORCYCLE	FRONT 120/70ZR18	PILOT ROAD 4	PD MC	30	\$ NO BID	\$ _____
MICHELIN / MOTORCYCLE	REAR 170/60ZR17	PILOT ROAD 4G	PD MC	40	\$ NO BID	\$ _____
GALAXY	19.5L-24	HULK 14-PLY	CASE TRACTORS	10	\$ 1115.65	\$ 11,156.50
SAMSON	950 X 16.5	12-PLY TRAILER	HD TRAILER	10	\$ NO BID	\$ _____
MASTERTRAK	75R15E	ST225	MEDIUM DUTY TRAILER	20	\$ NO BID	\$ _____
MASTERTRAK	75R15D	ST205 TRAILER	LIGHT DUTY TRAILER	30	\$ NO BID	\$ _____
TITAN	12 X 16.5	HD2000 II	TRACTOR	10	\$ 189.49	\$ 1,894.90

5.2 **TAX AMOUNT** Bidders should not include transaction use tax or federal tax in their unit price. The City is exempt from the payment of federal excise tax and will add use tax as applicable. For the purpose of determining the lowest cost, the City will not take tax into consideration.

Tax: 8.3 %

5.3 **DELIVERY** Bidder states that all services shall be performed in accordance with IFB specifications.

5.4 **PROCUREMENT CARD ORDERING CAPABILITY** Please check appropriate box.

YES, I will accept payment under this contract with the Procurement Card.

NO, I will not accept payment under this contract with the Procurement Card.

Company Name: REDBURN TIRE COMPANY

**ATTACHMENT "A"**  
**5.1**  
**PRICING EXCEPTIONS**

<b>BRAND</b>	<b>SIZE</b>	<b>MODEL</b>	<b>USE</b>	<b>EST. QTY</b>	<b>UNIT PRICE</b>	<b>EXT. PRICE</b>
FIRESTONE #238702	255/70R22.5	FT491 16 PLY	GUS BUS	10	\$286.10	\$2,861.00
FIRESTONE #189718	LT235/85R16	TRANSFORCE HT	CASE TRACTOR/HD FLAT BED TRAILER	150	\$114.80	\$17,220.00
FIRESTONE #023189	P265/60R17	FIREHAWK GT V PURSUIT	POLICE TAHOE	140	\$117.36	\$16,430.40
FIRESTONE #077325	P235/55R17	FIREHAWK GT Z PURSUIT	POLICE CROWN VIC	330	\$105.38	\$34,775.40
FIRESTONE #294586	385/65R22.5	T839	FIRE TRUCK DUMP TRK	10	\$450.16	\$4,501.60
FIRESTONE #097776	P235/70R17	DESTINATION LE2	1/2 TON P/U	110	\$100.92	\$11,101.20
FIRESTONE #189752	LT225/75R16	TRANSFORCE HT	3/4 TON P/U	130	\$110.53	\$14,368.90
FIRESTONE #233874	315/80R22.5	FS820 20 PLY	MOST HD TRUCKS	270	\$449.48	\$121,359.60
FIRESTONE #248307	11R22.5	FS561 14 PLY	MOST HD TRUCKS	210	\$279.16	\$58,623.60



**CITY OF GLENDALE**

**IFB 16-14**

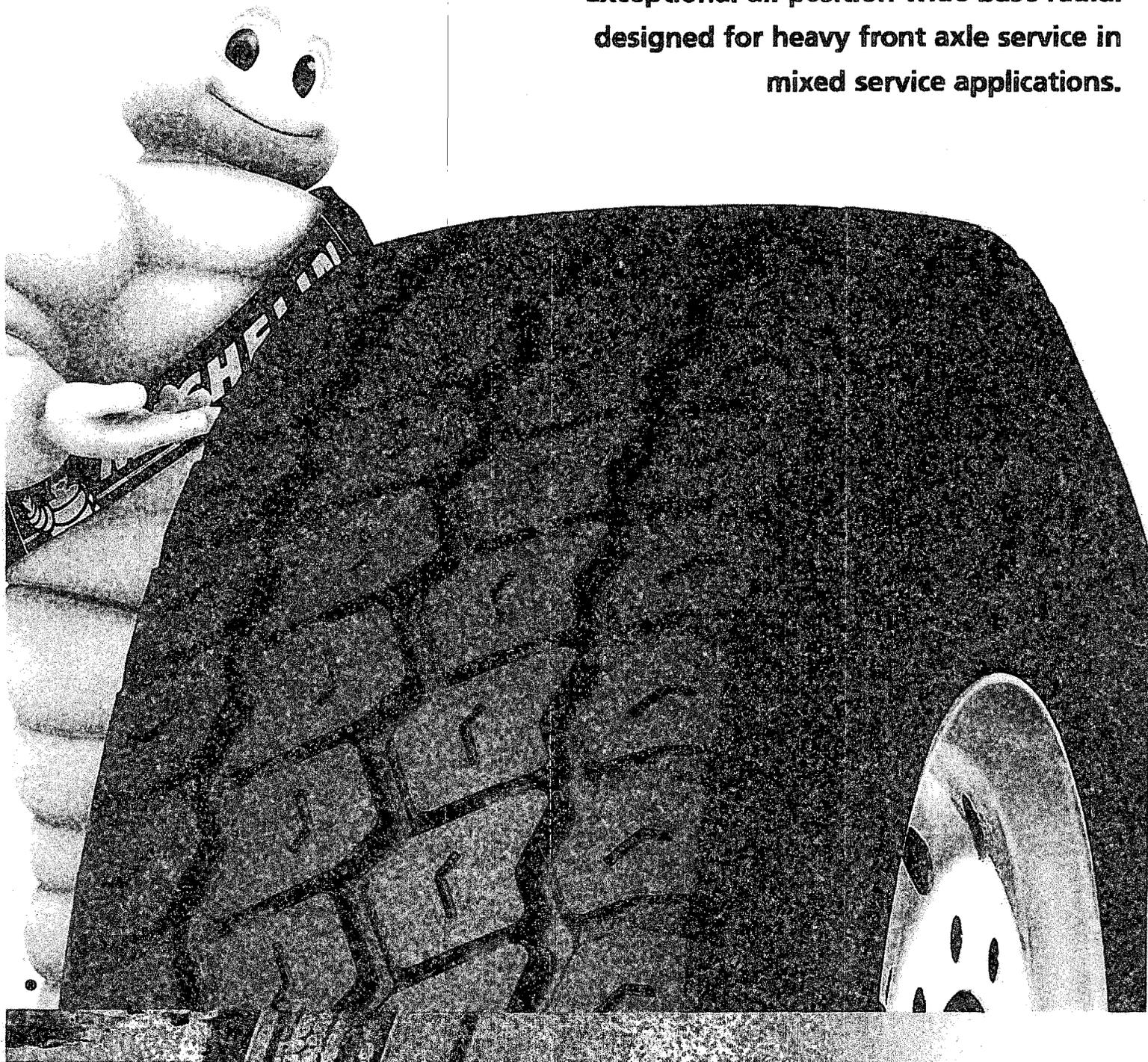
**Tires for Light and Heavy Duty  
Vehicles and Equipment**

REDBURN TIRE CO.

# MICHELIN<sup>®</sup> XZY<sup>®</sup>3 WIDE BASE TIRE



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





# MICHELIN® XZY®3 WIDE BASE TIRE

ON/OFF ROAD APPLICATIONS

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.<sup>(1)</sup>

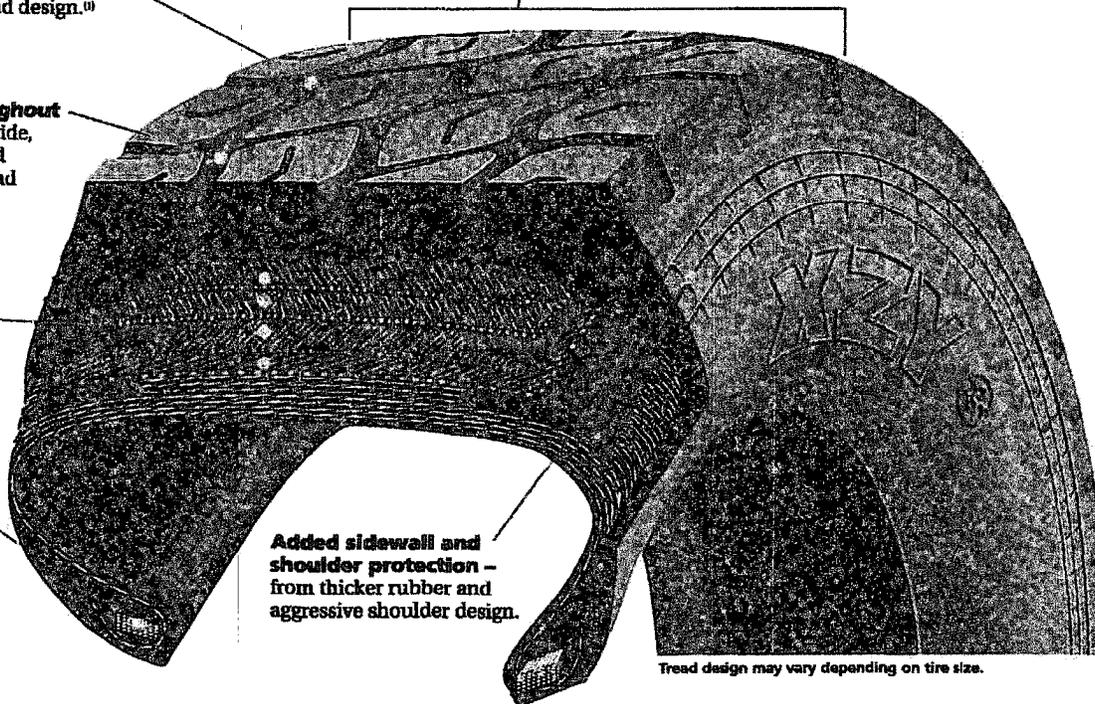
Excellent wet traction throughout the tread life – cultivated by wide, deep circumferential grooves and minimized bridging between tread elements.

Great resistance to shocks, bruising and penetrations fostered by four-belt design – featuring full-width elastic protector ply.

Rectangular bead bundle – a MICHELIN® exclusive – simulates a solid steel rod "strapping" the tire onto the wheel. This design stabilizes the entire bead region and minimizes fatigue in order to extend casing life.

Added sidewall and shoulder protection – from thicker rubber and aggressive shoulder design.

Improved floatation – offered by wider tread (almost 1 inch wider than MICHELIN® XZY® Wide Base tire).



Tread design may vary depending on tire size.

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
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

Note: Wheel listed first is the measuring wheel.

(1) When compared with MICHELIN® XZY® Wide Base tire.

(\*) 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.

[www.michelintruck.com](http://www.michelintruck.com)

**United States**

Michelin North America, Inc.  
One Parkway South  
Greenville, SC 29615  
1-888-622-2306

**Canada**

Michelin North America (Canada), Inc.  
2500 Daniel Johnson, Suite 500  
Laval, Quebec H7T 2P6  
1-888-871-4444

**Mexico**

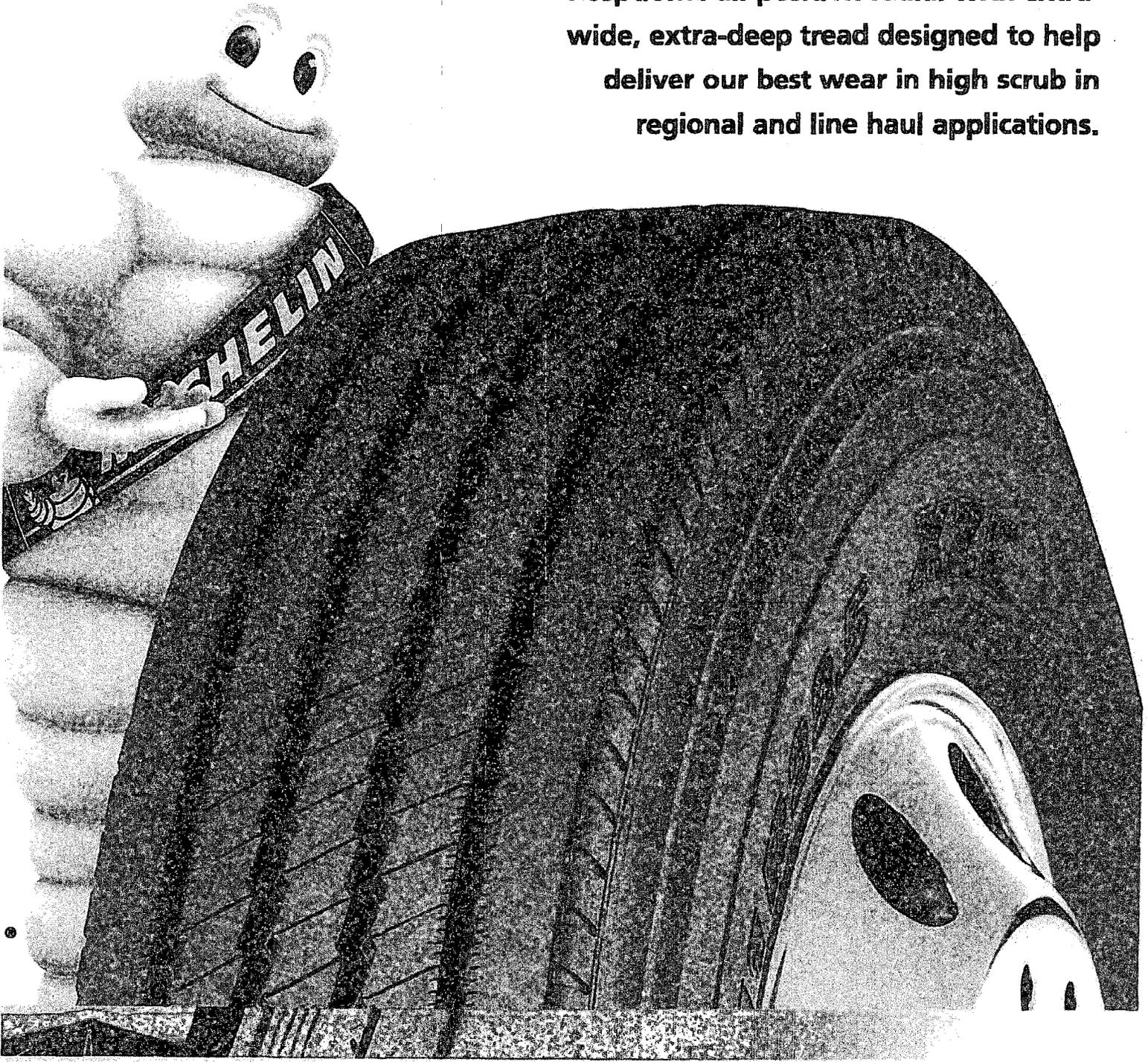
Industrias Michelin, S.A. de C.V.  
Av. 5 de febrero No. 2113-A  
Fracc. Industrial Benito Juarez  
7 6120, Querétaro, Qro. Mexico  
011 52 442 296 1600

REDBURN TIRE CO.

# MICHELIN XZE TIRE



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





# MICHELIN® XZE® TIRE

REGIONAL & LINE HAUL APPLICATIONS

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

**Customized, five-rib, zig-zag tread pattern** – combines fast water evacuation for excellent wet traction with an aggressive, evolving tread pattern that helps maintain driver confidence throughout the long tread life.

**Application-specific high scrub compounds** – for chip and cut resistance (in LRH versions with @ designation) make the MICHELIN® XZE® tire our longest wearing regional steer tire.

**Solid shoulders** – help resist tearing and accelerated wear in high scrub applications.

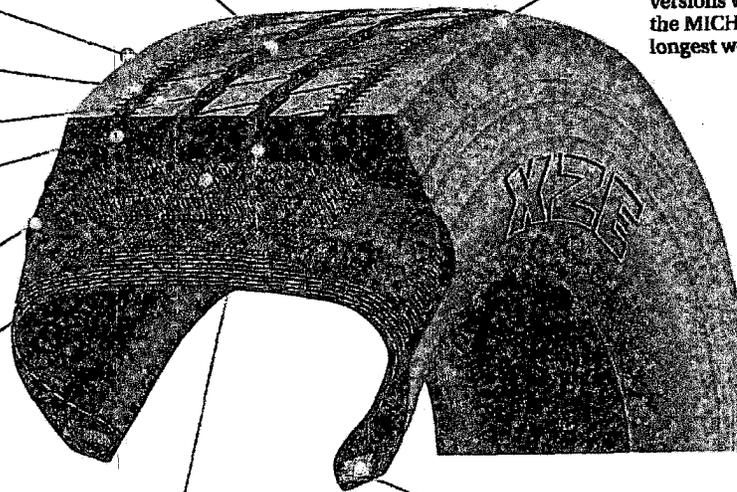
**Miniature groove-wall sipes** – help provide traction and more even wear.

**Full-depth sipes** – offer all-wheel position traction throughout the life of the tire.

**Variable pitch groove walls** – help prevent stones from lodging in the tread, to extend casing life and improve retreadability.

**Curb guards** – provides sidewall and shoulder protection.

**Full-width protector ply** – helps protect the working plies from bruising and penetrations, lowering downtime.



**Groove bottom protectors** – help deliver additional defense against stone drilling.

**Rectangular bead bundle** – a Michelin® exclusive - simulates a solid steel rod "strapping" the tire onto the wheel. This design stabilizes the entire bead region and minimizes fatigue in order to extend casing life.

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
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	F	79883	21	75	18.7	475	40.1	1018	10.2	259	6.75, 7.50, 8.25	11.1	282	517	5205	100	2360	690	4940	100	2240	690
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.

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.

[www.michelintruck.com](http://www.michelintruck.com)

**United States**  
 Michelin North America, Inc.  
 One Parkway South  
 Greenville, SC 29615  
 1-888-622-2306

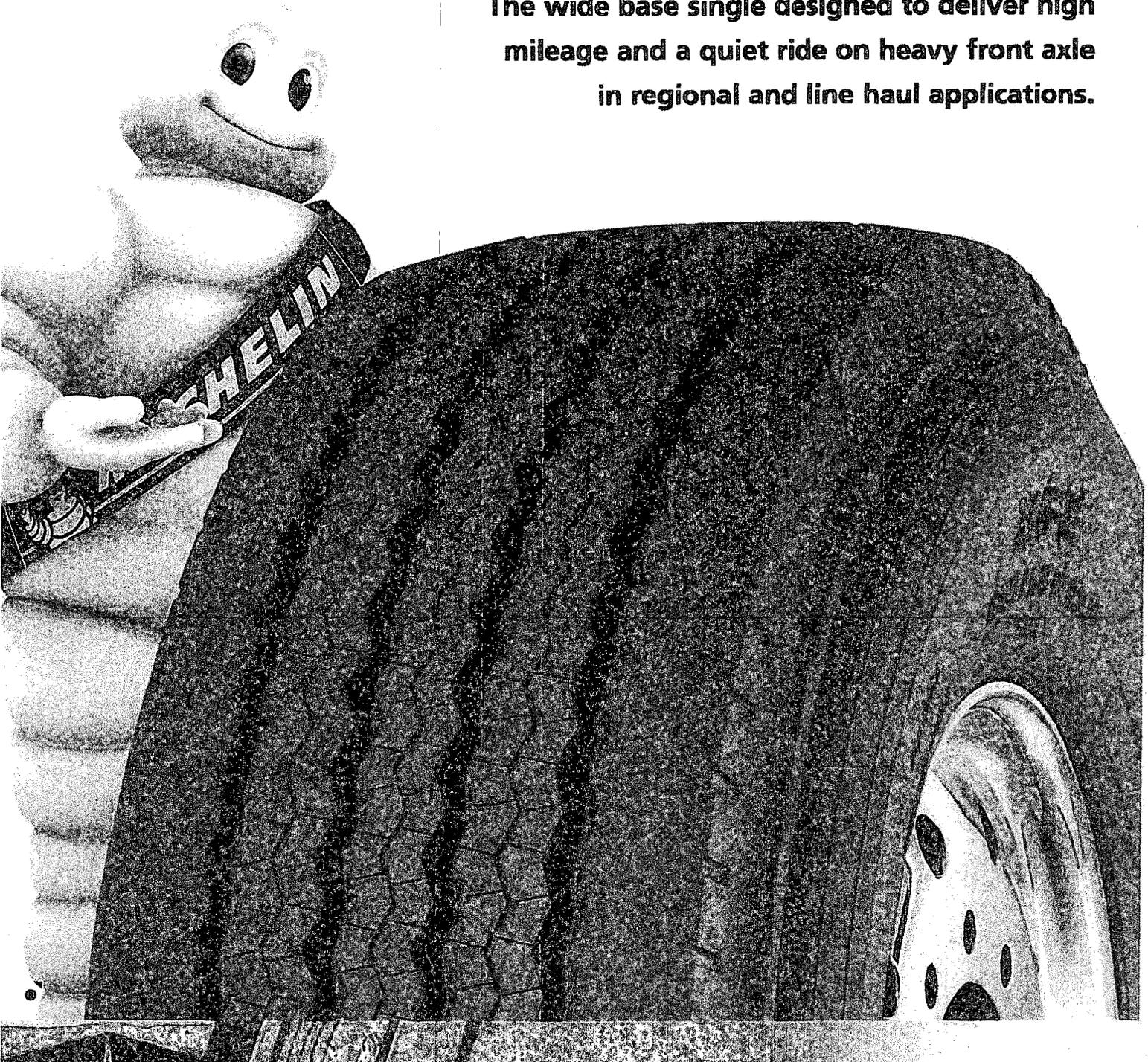
**Canada**  
 Michelin North America (Canada), Inc.  
 2500 Daniel Johnson, Suite 500  
 Laval, Quebec H7T 2P6  
 1-888-871-4444

**Mexico**  
 Industrias Michelin, S.A. de C.V.  
 Av. 5 de febrero No. 2113-A  
 Fracc. Industrial Benito Juarez  
 7 6120, Querétaro, Qro. Mexico  
 011 52 442 296 1600

**MICHELIN<sup>®</sup> XFE<sup>®</sup>  
WIDE BASE STEER TIRE**



**The wide base single designed to deliver high mileage and a quiet ride on heavy front axle in regional and line haul applications.**

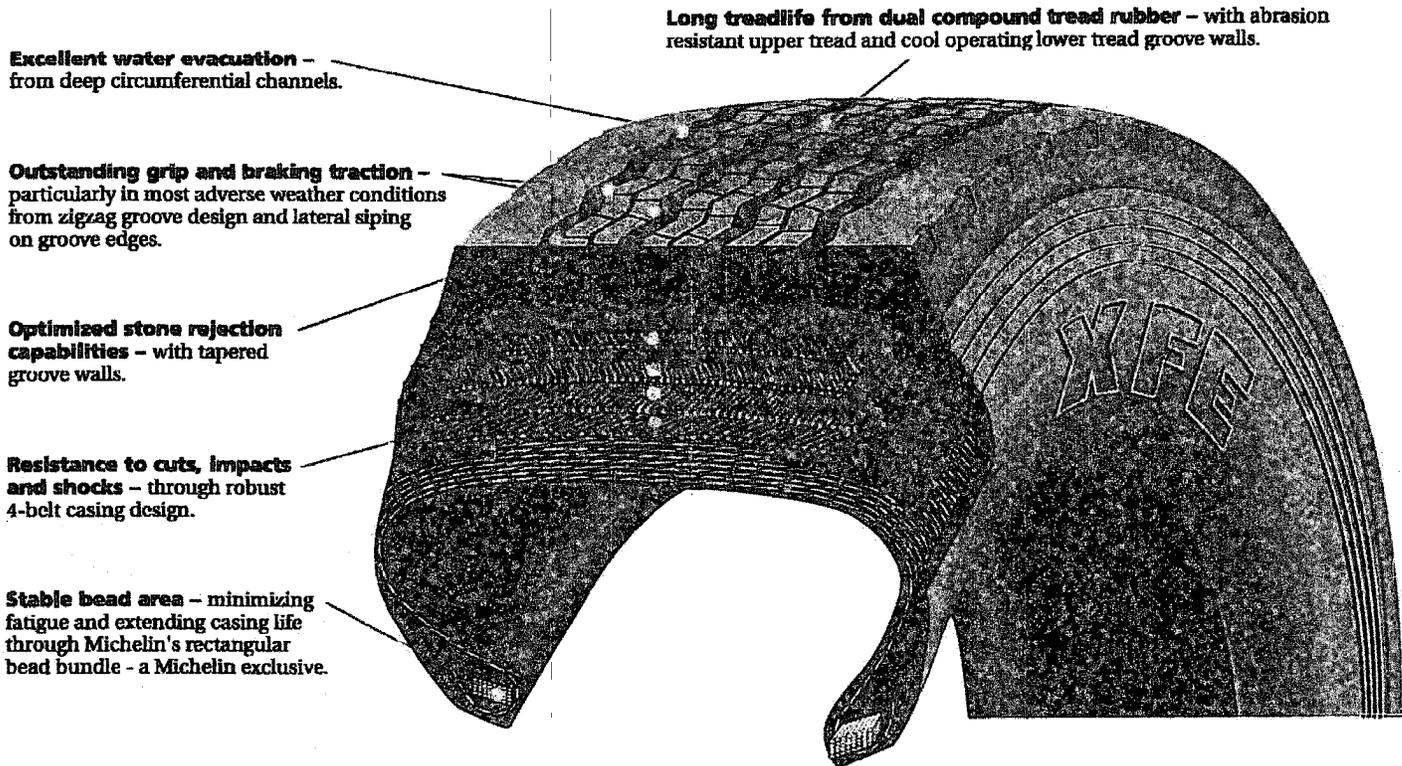




# MICHELIN® XFE® WIDE BASE STEER TIRE

REGIONAL APPLICATIONS

The wide base single designed to deliver high mileage and a quiet ride on heavy front axle in regional and line haul applications.



Size	Load Range	Catalog Number	Tread Depth 32nds	Max. Speed (*)	Loaded Radius		Overall Diameter		Overall Width (†)		Approved Wheels (Measuring wheel listed first)	Rev. Per Mile	Max. Load and Pressure Single			
					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	523	44.5	1130	16.6	422	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

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.

[www.michelintruck.com](http://www.michelintruck.com)

**United States**

Michelin North America, Inc.  
 One Parkway South  
 Greenville, SC 29615  
 1-888-622-2306

**Canada**

Michelin North America (Canada), Inc.  
 2500 Daniel Johnson, Suite 500  
 Laval, Quebec H7T 2P6  
 1-888-871-4444

**Mexico**

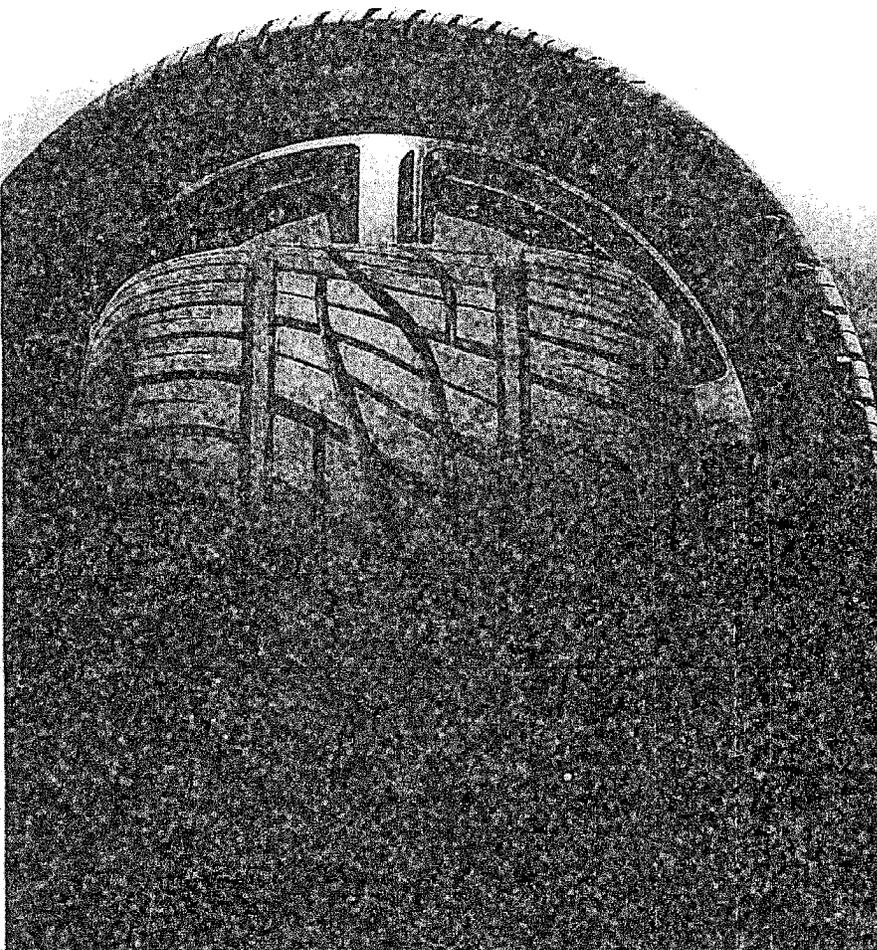
Industrias Michelin, S.A. de C.V.  
 Av. 5 de febrero No. 2113-A  
 Fracc. Industrial Benito Juarez  
 7 6120, Querétaro, Qro. Mexico  
 011 52 442 296 1600

# Firestone



**GOLD PLEDGE**

## **FIREHAWK™ WIDE OVAL™ AS**



- Silica Enriched Tread Compound  
**Supports enhanced wet and dry traction**
- Full Depth Siping and Slots  
**Helps provide balanced all season performance**
- Center Sweeping Grooves  
**Increases water evacuation**
- Footprint Optimized  
**Helps improve wear life**
- Pattern Optimized  
**Reduces noise**

### **ULTRA HIGH PERFORMANCE**

- 50,000 Mile/80,000 Kilometre Treadwear Limited Warranty\* (H & V-Rated)
- 40,000 Mile/65,000 Kilometre Treadwear Limited Warranty\* (W-Rated)
- Gold Pledge 3-Year Limited Warranty\*
- Buy & Try 30-Day Guarantee\*

\* Please refer to the appropriate Tire Limited Warranty booklet for complete limited warranty details. See each warranty at your authorized Firestone retailer for details and restrictions.



THE FIREHAWK WIDE OVAL AS tire is designed for great all around performance-season after season. Thanks to its specially formulated tread compound and full depth pattern features, the tire retains wet and all season performance across its life, while computer-optimized pattern sequencing helps it deliver a remarkably quiet ride.

**FIREHAWK WIDE OVAL AS TIRE SPECIFICATIONS**

Tire Size and Service Description	Load Range	Article Number	Sidewall Styling	Approved Rim Widths	Measuring Rim Width	Overall Tire Diameter	Overall Section Width	Tread Depth (32nd)	Revs Per Mile	UTQG	Wt.
<b>16" Rim Diameter</b>											
P205/60R16 91V		139997	BW	5.5-7.5	6.0	25.7	8.2	11	811	460 AA	24
215/60R16 95V		138542	BW	6.0-7.5	6.5	26.1	8.7	11	798	460 AA	22
P225/60R16 97H		138559	BW	6.0-8.0	6.5	26.6	9.0	11	783	460 AA	27
195/55R16 87H		138593	BW	5.5-7.0	6.0	24.4	7.9	11	854	460 AA	22
205/55R16 91H		138610	BW	5.5-7.5	6.5	24.9	8.4	11	837	460 AA	19
205/55R16 91V		139970	BW	5.5-7.5	6.5	24.9	8.4	11	837	460 AA	19
215/55R16 93H		138627	BW	6.0-7.5	7.0	25.3	8.9	11	823	460 AA	24
225/55R16 95H		138644	BW	6.0-8.0	7.0	25.8	9.2	11	811	460 AA	26
195/50R16 84V		147960	BW	5.5-7.0	6.0	23.7	7.9	11	879	460 AA	20
205/50R16 87V		138661	BW	5.5-7.5	6.5	24.1	8.4	11	884	460 AA	23
225/50R16 92V		138678	BW	6.0-8.0	7.0	24.9	9.2	11	837	460 AA	24
P245/50R16 96W		001283	BW	7.0-8.5	7.5	25.7	10.0	11	811	400 AA	26
<b>17" Rim Diameter</b>											
P215/55R17 93V		138695	BW	6.0-7.5	7.0	26.3	8.9	11	792	460 AA	25
225/55R17 97V		138712	BW	6.0-8.0	7.0	26.8	9.2	11	777	460 AA	27
P235/55R17 98W		136434	BW	6.5-8.5	7.5	27.2	9.7	11	766	400 AA	34
205/60R17 93V	XL	138729	BW	5.5-7.5	6.5	25.1	8.4	11	830	460 AA	26
P215/50R17 93W	XL	136451	BW	6.0-7.5	7.0	25.5	8.9	11	817	400 AA	24
225/50R17 94V		138763	BW	6.0-8.0	7.0	25.9	9.2	10	804	460 AA	25
235/50R17 96W		009249	BW	6.5-8.5	7.5	26.3	9.7	11	792	400 AA	26
215/45R17 91W	XL	136636	BW	7.0-8.0	7.0	24.7	8.4	11	847	400 AA	22
225/45R17 94W	XL	136519	BW	7.0-8.5	7.5	25.0	8.9	11	833	400 AA	23
235/45R17 97W	XL	001285	BW	7.5-9.0	8.0	25.4	9.3	11	820	400 AA	26
205/40R17 84H	XL	138780	BW	7.0-8.0	7.5	23.5	8.4	11	886	460 AA	20
<b>18" Rim Diameter</b>											
P225/60R18 99H		138814	BW	6.0-8.0	6.5	28.6	9.0	10	728	460 AA	30
P215/55R18 94H		138831	BW	6.0-7.5	7.0	27.3	8.9	11	763	460 AA	27
235/55R18 100V		009300	BW	6.5-8.5	7.5	28.2	9.7	11	740	460 AA	29
245/55R18 103W		146600	BW	7.0-8.5	7.5	28.6	10.0	11	728	400 AA	30
225/50R18 95W		136587	BW	6.0-8.0	7.0	26.9	9.2	11	774	400 AA	28
235/50R18 97W		136570	BW	6.5-8.5	7.5	27.3	9.7	11	763	400 AA	25
215/45R18 93W	XL	009266	BW	7.0-8.0	7.0	25.6	8.4	11	813	400 AA	24
225/45R18 95W	XL	009283	BW	7.0-8.5	7.5	25.9	8.9	10	803	400 AA	26
245/45R18 100W	XL	136604	BW	7.5-9.0	8.0	28.7	9.8	10	780	400 AA	29
225/40R18 92W	XL	136638	BW	7.5-9.0	8.0	25.1	9.1	11	830	400 AA	23
245/40R18 97W	XL	136621	BW	8.0-9.5	8.5	25.7	9.8	11	811	400 AA	26
<b>19" Rim Diameter</b>											
245/50R19 105W	XL	001287	BW	7.0-8.5	7.5	28.7	10.0	11	726	400 AA	33
245/45R19 98W		146634	BW	7.5-9.0	8.0	27.7	9.6	11	752	400 AA	29
245/40R19 98W	XL	136655	BW	8.0-9.5	8.5	26.7	9.8	11	780	400 AA	30
<b>20" Rim Diameter</b>											
245/45R20 103W	XL	136706	BW	7.5-9.0	8.0	28.7	9.6	11	726	400 AA	34
275/40R20 106W	XL	146685	BW	9.0-11.0	9.5	28.7	10.9	11	726	400 AA	36
245/35R20 95W	XL	136740	BW	8.0-9.5	8.5	26.8	9.8	11	777	400 AA	30

XL = Extra Load (XL) / Reinforced -- For Euro-Metric tires, the term 'reinforced' means the same as "Extra Load"  
 BW = Bladwall

Some sizes may contain additional construction features. Ask for our free Tire Limited Warranty manual, which also provides an explanation of the tire speed ratings. See your local Firestone retailer for details. NOTE: When using passenger car-sized tires (P-Metric or Euro-Metric) on most mini-vans, full-size vans, SUVs and light duty pickup trucks, federal regulations require that their load capacity, at all inflation pressures, be reduced by a service factor of 9%.

Bridgestone Americas Tire Operations, LLC  
 535 Marriott Drive, Nashville, TN 37214 • 615-391-0098  
 www.bridgestonetire.com • www.tiresafety.com

© 2015 Bridgestone Americas Tire Operations, LLC. All rights reserved.

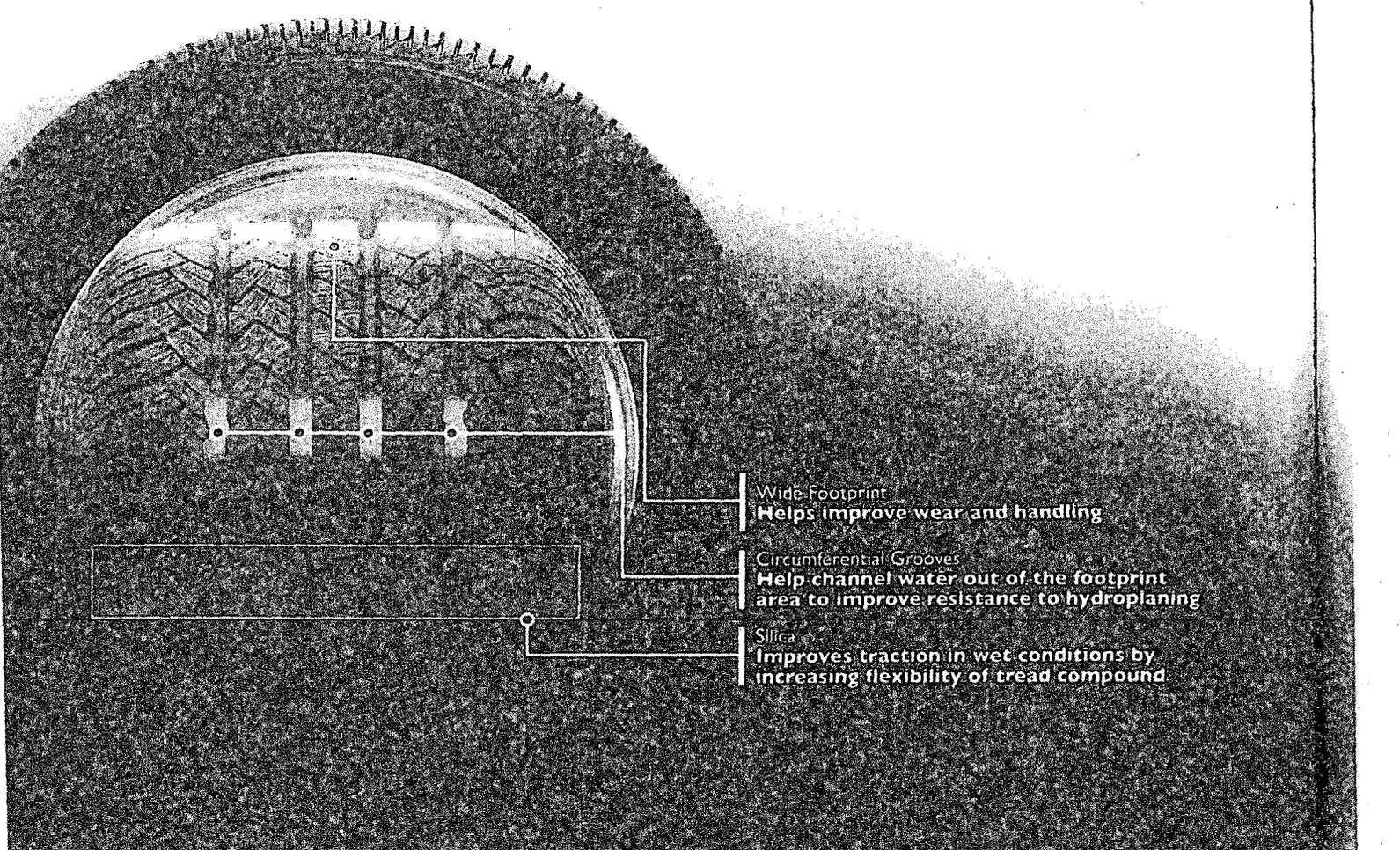


# Firestone



**GOLD PLEDGE**

## PRECISION TOURING



Wide Footprint  
Helps improve wear and handling

Circumferential Grooves  
Help channel water out of the footprint area to improve resistance to hydroplaning

Silica  
Improves traction in wet conditions by increasing flexibility of tread compound

### TOURING

- 70,000 Mile/110,000 Kilometre Treadwear Limited Warranty\*
- Gold Pledge 3-Year Limited Warranty\*
- Buy & Try 30-Day Guarantee\*

\* Please refer to the appropriate Tire Limited Warranty booklet for complete limited warranty details. See each warranty at your authorized Firestone retailer for details and restrictions.



**GREAT WET TRACTION AND A QUIET, COMFORTABLE RIDE** makes the Precision Touring a standout in the Firestone line. With its all-season tread pattern and attractive price, this is a tire that is designed to get your attention.

**PRECISION TOURING TIRE SPECIFICATIONS**

Tire Size and Service Description	Load Range	Article Number	Sidewall Styling	Approved Rim Widths	Measuring Rim Width	Overall Tire Diameter	Overall Section Width	Tread Depth (32nd)	Revs Per Mile	UTQG	Wt.
<b>15" Rim Diameter</b>											
P205/70R15 95S		140650	WS	5.0-7.0	6.0	26.3	8.2	11	792	560 A B	26
P215/70R15 97S		140684	WS	5.5-7.0	6.5	26.9	8.7	11	774	560 A B	27
P185/65R15 86T		141058	BW	5.0-6.5	5.5	24.5	7.4	10	854	560 A B	19
P195/65R15 89T		140599	BW	5.5-7.0	6.0	25.0	7.9	11	833	560 A B	20
P205/65R15 92T		140633	BW	5.5-7.5	6.0	25.5	8.2	11	817	560 A B	22
P185/60R15 84T		147501	BW	5.0-6.5	5.5	23.7	7.4	11	879	560 A B	17
P195/60R15 87T		140582	BW	5.5-7.0	6.0	24.2	7.9	11	861	560 A B	19
P205/60R15 90T		140616	BW	5.5-7.5	6.0	24.7	8.2	11	843	560 A B	20
P215/60R15 93T		140667	BW	6.0-7.5	6.0	25.2	8.7	11	827	560 A B	22
P195/55R15 84H		141024	BW	5.5-7.0	6.0	23.4	7.9	11	890	560 A B	19
<b>16" Rim Diameter</b>											
215/65R16 98T		140735	BW	6.0-7.5	6.5	27.0	8.7	11	772	560 A B	24
225/65R16 100T		148079	BW	6.0-8.0	6.5	27.5	9.0	12	758	560 A B	27
235/65R16 103T		147535	BW	6.5-8.5	7.0	28.0	9.5	11	744	560 A B	31
P205/60R16 91H		140854	BW	5.5-7.5	6.0	25.7	8.2	11	811	560 A B	23
P215/60R16 94T		140738	BW	6.0-7.5	6.5	26.1	8.7	11	798	560 A B	23
P225/60R16 97T		140752	BW	6.0-8.0	6.5	26.6	9.0	11	783	560 A B	23
P235/60R16 99T		147620	BW	6.5-8.5	7.0	27.1	9.5	11	769	560 A B	25
195/55R16 87H		140939	BW	5.5-7.0	6.0	24.4	7.9	11	854	560 A B	20
P205/55R16 89T		140701	BW	5.5-7.5	6.5	24.9	8.4	11	837	560 A B	21
215/55R16 93H		140820	BW	6.0-7.5	7.0	25.3	8.9	11	823	560 A B	23
<b>17" Rim Diameter</b>											
P215/65R17 98T		147705	BW	6.0-7.5	6.5	28.0	8.7	11	744	560 A B	25
P225/65R17 100T		140922	BW	6.0-8.0	6.5	28.5	9.0	11	731	560 A B	27
235/65R17 104T		140990	BW	6.5-8.5	7.0	29.1	9.5	11	713	560 A B	27
P225/60R17 98H		140786	BW	6.0-8.0	6.5	27.6	9.0	11	755	560 A B	26
235/60R17 102T		140905	BW	6.5-8.5	7.0	28.1	9.5	11	741	560 A B	27
P215/55R17 93T		140888	BW	6.0-7.5	7.0	26.3	8.9	11	789	560 A B	23
P225/55R17 95T		140769	BW	6.0-8.0	7.0	26.8	9.2	11	777	560 A B	25
P235/55R17 98H		140803	BW	6.5-8.5	7.5	27.2	9.7	11	766	560 A B	29
P215/50R17 93H	XL	141041	BW	6.0-7.5	7.0	25.5	8.9	11	817	560 A B	23

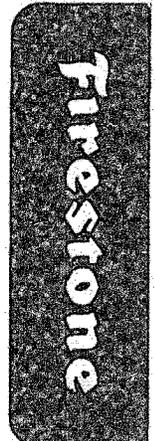
0415 / 1D2143

XL = Extra Load (XL) / Reinforced - For Euro-Metric tires, the term 'reinforced' means the same as "Extra Load"  
 BW = Blackwall  
 WS = White Stripe

Some sizes may contain additional construction features. Ask for our free Tire Limited Warranty manual, which also provides an explanation of tire speed ratings. See your local Firestone retailer for details. **NOTE:** When using passenger car-sized tires (P-Metric or Euro-Metric) on most mini-vans, full-size vans, SUVs and light duty pickup trucks, federal regulations require that their load capacity, at all inflation pressures, be reduced by a service factor of 9%.

Bridgestone Americas Tire Operations, LLC  
 535 Marriot Drive, Nashville, TN 37214 • 615-391-0088  
 www.bridgestonetire.com • www.tiresafety.com

© 2015 Bridgestone Americas Tire Operations, LLC. All rights reserved.



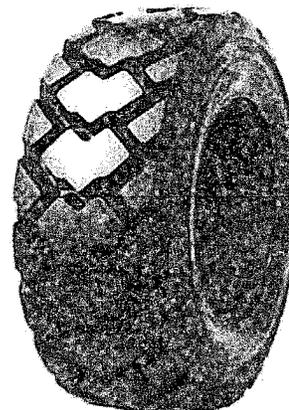
## Galaxy Tires

### INDUSTRIAL

#### Rear Backhoe

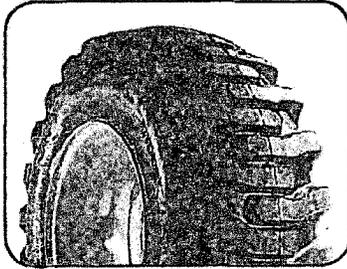
The Hulk has a unique tread pattern that allows it to operate in severe applications while providing superior self cleaning characteristics. The Hulk has a minimum tread depth of 44/32nds and a lug to void ratio of 68% solid to 32% void. Because of the deep tread depths and solid to void ratio, the Hulk L-4 will provide extraordinary hours of service and reduces downtime due to cuts and punctures.

GALAXY JUMBO HULK

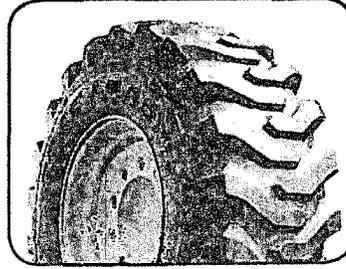


SIZE	P.R.	TYPE	RIM	O.D. mm in.	S.W. mm in.	SLR mm in.	L.C.G. kg lbs.	A.P. bar psi	SP km/h mph
19.5L-24	14	TL	W16L	1298 51.1	490 19.3	589 23.2	3750 8267	2.6 38	40 25

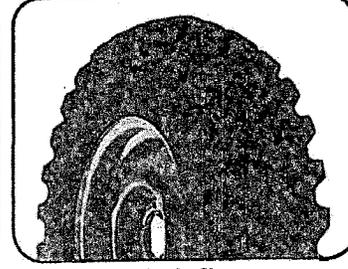
# Bias Skid Steer



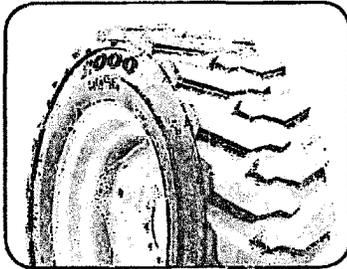
Contractor FWD



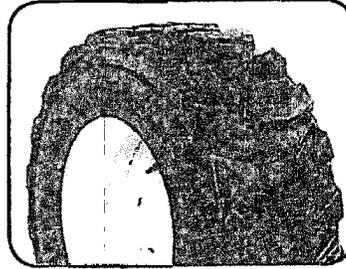
Trac Loader



Trac Loader Chevron



HD2000



HD2000 II

## Titan Contractor FWD

- Excellent traction and wear are the benefits of the broad, curved lugs
- High strength construction gives it exceptional durability

## Titan Trac Loader

- The tire preferred by major manufacturers of unloaders and skid steer equipment
- Constructed with a superior blend of natural and synthetic rubber
- Center lug design adds extra traction

## Titan Trac Loader Chevron

- Features a chevron tread pattern with nylon fabric construction
- Intended for skid steer use

## Titan HD2000

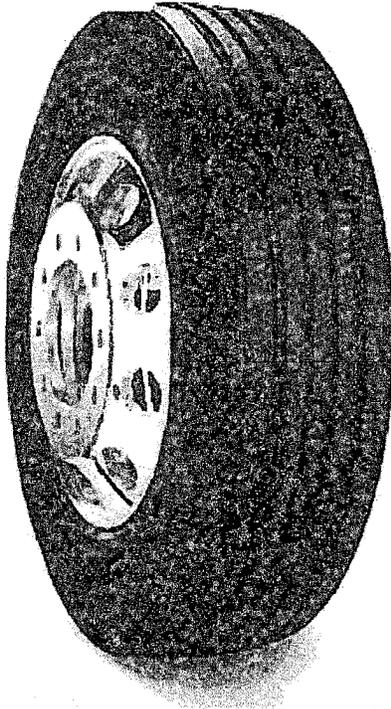
- Engineered with HD sidewalls to protect against abrasions, tears and punctures
- Improved dual tapered step lug wear and extended life

## Titan HD2000 II

- Titan's premium conventional skid steer tire with deeper tread depth, premium compound, larger tread lugs, heavier sidewall and larger rim guard

Tire Size	Catalog Number	Design	Ply Rating	Inflation Pressure PSI (bar)	Max Load mph (km/h)	Max Load lbs (kg)	Rim Width	Tire Width in (mm)	Overall Diameter in (mm)	Static Loaded Radius in (mm)	Rolling Circ. in (mm)	Flat Plate Area in <sup>2</sup> (cm <sup>2</sup> )	Weight lbs (kg)	Tread Depth in (mm)
5.70-12NHS	4123C2	Trac Loader Chevron	4	60 (4.1)	5 (10)	1450 (660)	4.50	5.7 (145)	22.4 (569)	10.3 (262)	67 (1702)	na	17 (7.5)	18/32 (14)
7.00-15SS	4123C5	Trac Loader Chevron	6	60 (4.1)	5 (10)	3180 (1440)	5.50	8.0 (203)	29.9 (759)	13.5 (343)	88 (2235)	na	38 (17)	18/32 (14)
8.25-15NHS	4127K5	Trac Loader Chevron	6	50 (3.4)	5 (10)	3860 (1750)	6.00	9.4 (239)	33.2 (843)	14.9 (378)	98 (2489)	na	53 (24)	18/32 (14)
10-16.5NHS	4123C8	Trac Loader	6	45 (3.1)	5 (10)	3500 (1590)	8.30	10.9 (277)	30.3 (770)	13.5 (343)	90 (2286)	na	48 (22)	19/32 (15)
10-16.5NHS	4393D1	HD2000	8	60 (4.1)	5 (10)	4140 (1880)	8.25	10.3 (262)	30.6 (777)	14.3 (363)	92 (2337)	na	55 (25)	21/32 (17)
10-16.5NHS	49E3D1	HD2000II	8	60 (4.1)	5 (10)	4140 (1880)	8.25	10.5 (267)	30.3 (770)	14.1 (358)	91 (2311)	na	55 (25)	24/32 (19)
10-16.5NHS	4393D1TYL	HD2000 w/Tyrelynor	8	60 (4.1)	5 (10)	4140 (1880)	8.25	10.3 (262)	30.6 (777)	14.3 (363)	92 (2337)	na	74 (33.5)	21/32 (17)
10-16.5NHS	49E3D1TYL	HD2000II w/Tyrelynor	8	60 (4.1)	5 (10)	4140 (1880)	8.25	10.5 (267)	30.3 (770)	14.1 (358)	91 (2311)	na	83 (37.5)	24/32 (19)
10-16.5NHS	4393R8	HD2000	10	75 (5.0)	5 (10)	4710 (2135)	8.25	10.3 (262)	30.6 (777)	14.3 (363)	92 (2337)	na	55 (25)	21/32 (17)
12-16.5NHS	4393C9	HD2000	6	40 (2.8)	5 (10)	4220 (1915)	9.75	12.8 (325)	32.7 (831)	15.3 (389)	99 (2515)	na	71 (32)	23/32 (18)
12-16.5NHS	4123C9	Trac Loader	6	40 (2.8)	5 (10)	4220 (1915)	9.75	12.1 (307)	33.6 (853)	15.1 (384)	101 (2565)	na	66 (30)	23/32 (18)
12-16.5NHS	46C3E8	Contractor FWD	8	50 (3.4)	5 (10)	4810 (2180)	9.75	11.8 (300)	33.1 (841)	14.9 (378)	98 (2489)	na	68 (31)	23/32 (18)

Tire Size	Catalog Number	Design	Ply Rating	Inflation Pressure PSI (bar)	Max Load mph (km/h)	Max Load lbs (kg)	Rim Width	Tire Width in (mm)	Overall Diameter in (mm)	Static Loaded Radius in (mm)	Rolling Circ. in (mm)	Flat Plate Area in <sup>2</sup> (cm <sup>2</sup> )	Weight lbs (kg)	Tread Depth in (mm)
12-16.5NHS	4123D2	Trac Loader	8	50 (3.4)	5 (10)	4810 (2180)	9.75	12.2 (310)	33.6 (853)	15.1 (384)	101 (2565)	na	68 (31)	23/32 (18)
12-16.5NHS	46C3J7	Contractor FWD	10	65 (4.5)	5 (10)	5600 (2540)	9.75	11.8 (300)	33.1 (841)	14.9 (378)	98 (2489)	na	70 (32)	23/32 (18)
12-16.5NHS	4393J7	HD2000	10	65 (4.5)	5 (10)	5600 (2540)	9.75	12.8 (325)	32.7 (831)	15.3 (389)	99 (2515)	na	74 (33.5)	23/32 (18)
12-16.5NHS	4393J7TYL	HD2000 w/Tyrellyner	10	65 (4.5)	5 (10)	5600 (2540)	9.75	12.2 (310)	32.7 (831)	15.0 (381)	97 (2464)	na	99 (45)	26/32 (21)
12-16.5NHS	49E3J7	HD2000II	10	65 (4.5)	5 (10)	5600 (2540)	9.75	12.2 (310)	32.7 (831)	15.0 (381)	97 (2464)	na	74 (33.5)	26/32 (21)
12-16.5NHS	49E3J7TYL	HD2000II w/Tyrellyner	10	65 (4.5)	5 (10)	5600 (2540)	9.75	12.2 (310)	32.7 (831)	15.0 (381)	97 (2464)	na	74 (33.5)	26/32 (21)
12-16.5NHS	4123J7	Trac Loader	10	65 (4.5)	5 (10)	5600 (2540)	9.75	12.2 (310)	33.6 (853)	15.1 (384)	101 (2565)	na	71 (32)	23/32 (18)
12-16.5NHS	4393J8	HD2000	12	80 (5.5)	5 (10)	6320 (2865)	9.75	12.8 (325)	32.7 (831)	15.3 (389)	99 (2515)	na	70 (32)	23/32 (18)
12-16.5NHS	49E34R	HD2000II	14	90 (6.2)	5 (10)	6780 (3075)	9.75	12.2 (310)	32.7 (831)	15.0 (381)	97 (2464)	na	82 (37)	26/32 (21)
14-17.5NHS	412334	Trac Loader	6	30 (2.1)	5 (10)	4820 (2185)	10.50	14.0 (356)	36.9 (937)	16.3 (414)	109 (2769)	na	89 (40.5)	24/32 (19)
14-17.5NHS	46C3G9	Contractor FWD	10	55 (3.8)	5 (10)	6850 (3105)	10.50	13.8 (351)	36.3 (922)	16.3 (414)	108 (2743)	na	83 (37.5)	24/32 (19)
14-17.5NHS	439396	HD2000	10	55 (3.8)	5 (10)	6850 (3105)	10.50	13.8 (351)	37.2 (945)	17.6 (447)	113 (2870)	na	92 (41.5)	24/32 (19)
14-17.5NHS	412396	Trac Loader	10	55 (3.8)	5 (10)	6850 (3105)	10.50	14.0 (356)	36.9 (937)	16.3 (414)	109 (2769)	na	92 (41.5)	24/32 (19)
14-17.5NHS	439349	HD2000	12	65 (4.5)	5 (10)	7550 (3420)	10.50	13.8 (351)	37.2 (945)	17.6 (447)	113 (2870)	na	99 (45)	24/32 (19)
14-17.5NHS	439384	HD2000	14	80 (5.5)	5 (10)	8540 (3875)	10.50	13.8 (351)	37.2 (945)	17.6 (447)	113 (2870)	na	101 (46)	24/32 (19)
14-17.5NHS	49E384	HD2000II	14	80 (5.5)	5 (10)	8540 (3875)	10.50	15.2 (386)	35.7 (907)	16.4 (417)	107 (2718)	na	119 (54)	26/32 (21)
14-17.5NHS	412384	Trac Loader	14	80 (5.5)	5 (10)	8540 (3875)	10.50	14.3 (363)	36.4 (925)	16.4 (417)	107 (2718)	na	101 (46)	24/32 (19)
15-19.5NHS	412373	Trac Loader	6	30 (2.1)	5 (10)	6130 (2780)	11.75	15.5 (394)	40.5 (1029)	17.9 (455)	117 (2972)	na	112 (51)	25/32 (20)
15-19.5NHS	46C3H9	Contractor FWD	8	40 (2.8)	5 (10)	7250 (3290)	11.75	15.3 (389)	40.1 (1019)	18.0 (457)	119 (3023)	na	110 (50)	26/32 (21)
15-19.5NHS	439336	HD2000	12	60 (4.1)	5 (10)	9190 (4170)	11.75	15.7 (399)	40.5 (1029)	19.2 (488)	123 (3124)	na	134 (61)	26/32 (21)
15-19.5NHS	412336	Trac Loader	12	60 (4.1)	5 (10)	9190 (4170)	11.75	15.5 (394)	40.5 (1029)	17.9 (455)	117 (2972)	na	132 (60)	25/32 (20)
15-19.5NHS	439636	HD2000	16	85 (5.9)	5 (10)	11270 (5100)	11.75	15.7 (399)	40.5 (1029)	19.2 (488)	123 (3124)	na	148 (67)	26/32 (21)
18x8.50-10	4123U1	Trac Loader	4	22 (1.5)	5 (10)	830 (375)	7.00	7.5 (191)	17.7 (450)	8.1 (206)	53 (1346)	38 (245)	15 (7)	16/32 (13)
20x8.00-10NHS	49E3W8	HD2000II	4	40 (2.8)	5 (10)	1210 (550)	6.00	8.2 (208)	19.3 (490)	8.8 (224)	57 (1448)	na	21 (9.5)	15/32 (12)
23x8.50-12NHS	4123C3	Trac Loader	4	35 (2.4)	5 (10)	1470 (665)	7.00	8.3 (211)	23.0 (584)	10.2 (259)	68 (1727)	na	26 (12)	14/32 (11)
23x8.50-12NHS	4393G8	HD2000	6	50 (3.4)	5 (10)	1810 (820)	7.00	8.7 (221)	23.5 (597)	11.0 (279)	71 (1803)	na	27 (12)	14/32 (11)
23x8.50-12NHS	4123G8	Trac Loader	6	50 (3.4)	5 (10)	1810 (820)	7.00	8.3 (211)	23.0 (584)	10.2 (259)	68 (1727)	na	26 (12)	14/32 (11)
23x8.50-14NHS	412388	Trac Loader	4	35 (2.4)	5 (10)	1490 (675)	7.00	7.8 (198)	23.8 (605)	10.7 (272)	71 (1803)	na	24 (11)	14/32 (11)
25x8.50-14NHS	412379	Trac Loader	6	50 (3.4)	5 (10)	2000 (905)	7.00	8.4 (213)	25.9 (658)	11.8 (300)	79 (2007)	na	30 (13.5)	17/32 (13)
26x12.0-12NHS	412361	Trac Loader	4	20 (1.4)	5 (10)	1780 (805)	10.50	12.2 (310)	25.5 (648)	11.3 (287)	77 (1956)	84 (542)	32 (14.5)	16/32 (13)
27x8.50-15NHS	46C3J3	Contractor FWD	4	35 (2.4)	5 (10)	1840 (835)	7.00	8.1 (206)	27.2 (691)	12.4 (315)	81 (2057)	na	34 (15.5)	19/32 (15)
27x8.50-15NHS	4123C6	Trac Loader	4	30 (2.1)	5 (10)	1940 (880)	7.00	8.8 (224)	27.0 (686)	12.1 (307)	81 (2057)	na	36 (16.5)	17/32 (13)
27x8.50-15NHS	412339	Trac Loader	6	45 (3.1)	5 (10)	2480 (1120)	7.00	8.8 (224)	27.0 (686)	12.1 (307)	81 (2057)	na	36 (16.5)	17/32 (13)
27x8.50-15NHS	439377	HD2000	8	60 (4.1)	5 (10)	2890 (1310)	7.00	8.6 (218)	26.8 (681)	12.5 (318)	81 (2057)	na	38 (17)	15/32 (12)
27x10.50-15NHS	4123H7	Trac Loader	6	45 (3.1)	5 (10)	2610 (1180)	8.50	11.0 (279)	27.5 (699)	12.3 (312)	82 (2083)	na	38 (17)	17/32 (13)
27x10.50-15NHS	439378	HD2000	8	60 (4.1)	5 (10)	3100 (1410)	8.50	10.2 (259)	27.1 (688)	12.8 (325)	82 (2083)	na	46 (21)	15/32 (12)
27x12.50-15NHS	4122N7	Trac Loader	4	25 (1.8)	5 (10)	2320 (1050)	10.00	12.5 (318)	27.1 (688)	12.3 (312)	82 (2083)	na	45 (20.5)	17/32 (13)
28x8.50-15NHS	4123R3	Trac Loader	6	45 (3.1)	5 (10)	2880 (1310)	7.00	8.4 (213)	28.0 (711)	12.8 (325)	83 (2108)	na	28 (12.5)	17/32 (13)
30.5x12-16.5NHS	439381	HD2000	8	45 (3.1)	5 (10)	3840 (1740)	9.75	12.5 (318)	30.8 (782)	14.0 (356)	91 (2311)	na	74 (33.5)	21/32 (17)



EPA SmartWay<sup>®</sup> verified  
and CARB compliant.



**FT491**  
*Fuel-Efficient  
All-Position Radial*

- Sidewall protector ribs resist curb damage and abrasion.
- ULTI-Rib™ and Defense Groove™ designs combat the initiation and spread of irregular wear.
- Wider tread spreads load over a larger area, distributing footprint pressure to promote long, smooth wear. The wider design takes a full-size drive cap for even more low-cost miles.
- Innovative sidewall design reduces overall tire weight to improve fuel efficiency without sacrificing durability.

**Recommended Application**

A radial tire suitable for all-position use but recommended for single- and tandem-axle trailer and dolly applications in:  
**Long Haul Service / Regional Haul Service**

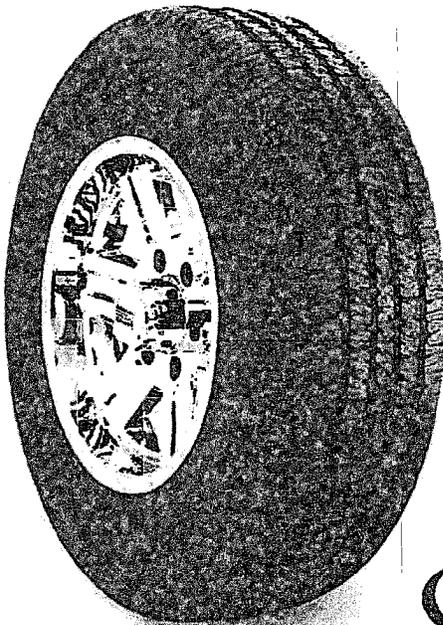
**Replaces:** Hankook: TL01  
Yokohama: RY587

**TECHNICAL DATA**

Tire Size	Load Range	Material Number	Weight (lbs.)	Max. Rim	Overall Dia.	Overall Width	Static Loaded Radius	Overall Width (Loaded)	Revs Per Mile	Tread Depth (32")	Max. Tire Load (Single)		Max. Tire Load (Dual)		Max. Speed (RMPH)
											Kg/kPa	Lbs./PSI	Kg/kPa	Lbs./PSI	
<b>FT491</b>															
11R22.5	G	238-688	109	8.25	40.9	11.3	19.1	12.5	507	11	2800@720	6175@105	2850@720	5840@105	75
11R24.5	G	238-685	117	8.25	42.9	11.4	20.1	12.5	485	11	3000@720	6610@105	2725@720	6005@105	75
255/70R22.5	H	238-702	90	8.25	36.3	10.4	17.1	11.5	572	11	2500@830	5510@120	2300@830	5070@120	75
295/75R22.5	G	238-617	103	8.25	39.7	11.3	18.6	12.5	523	11	2800@760	6175@110	2575@760	5675@110	75
285/75R24.5	G	238-634	107	8.25	41.0	11.3	19.3	12.4	507	11	2800@760	6175@110	2575@760	5675@110	75

- All dimensions taken with tire on measuring rim.
- Loaded dimensions and RPM measured at maximum dual load.
- For load and inflation tables see pages 61 through 65.
- For minimum dual spacing and approved rim widths see page 44.
- For ply ratings see table on page 42.

Firestone tires and tubes are subject to an ongoing development program. Bridgestone Americas Tire Operations, LLC retains the right to amend specifications at any time without notice or obligations. Please refer to rim manufacturer's load and inflation limits. Never exceed rim manufacturer's limits without the consent of the component manufacturer.



## Transforce HT

- UNIT technology for outstanding wet performance and a smooth, quiet ride.
- Advanced high-resilience tread compound helps slow wear and chip/tear resistance.
- Deep shoulder slots provide better traction in rain, snow and dry conditions.
- Circumferential grooves provide effective water evacuation.

Replaces: BF Goodrich: T/A All Season  
Goodyear: Wrangler SR-A



Ultimate Tire Technology

The Ultimate Network of Intelligent Tire Technology is a combination of advanced tire technologies that deliver outstanding comfort and control, precise handling, long wear, increased fuel efficiency, reduced noise, and a smooth, quiet ride.

### TECHNICAL DATA

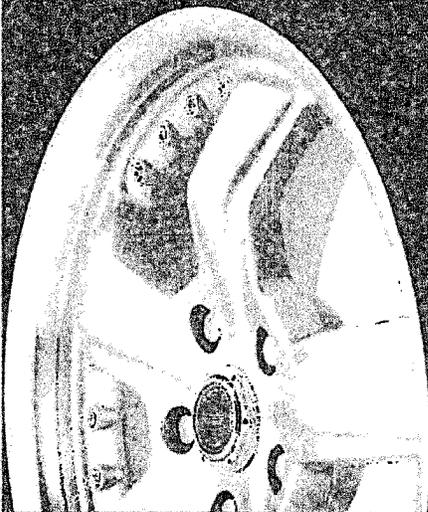
SW Style	Tire Size	Load Range	Service Description	Material Number	Wt (Lbs.)	Measuring Run	Overall Diam	Overall Width	Static Loaded Radius	Min. Dual Spec	Revs Per Mile	Tread Depth (32")	Max. Tire Load (Single)		Max. Tire Load (Dual)	
													Kg/kPa	Lbs/PSI	Kg/kPa	Lbs/PSI
<b>Transforce HT</b>																
BL	LT235/75R15	C	104/101R	189-837	32	(6.5)6.0-7.0	28.9	9.3	13.4	10.8	723	15	900@350	1985@50	825@350	1820@50
BL	LT215/85R16	E	115/112R	189-701	35	(6.0)5.5-7.0	30.4	8.5	14.1	9.9	686	14	1215@550	2680@80	1120@550	2470@80
BL	LT235/85R16	E	120/116R	189-718	40	(6.5)6.0-7.5	31.7	9.3	14.7	10.8	657	14	1380@550	3042@80	1260@550	2778@80
BL	LT225/75R16	E	115/112R	189-752	35	(6.0)6.0-7.0	29.3	8.8	13.6	10.2	712	14	1215@550	2680@80	1120@550	2470@80
BL	LT245/75R16	E	120/116R	189-769	38	(6.5)6.5-8.0	30.5	9.8	14.1	11.3	684	14	1380@550	3042@80	1260@550	2778@80
OWL	LT265/75R16	E	123/120R	207-602	44	(7.5)7.0-8.0	31.7	10.5	14.7	12.2	659	15	1550@550	3415@80	1400@550	3085@80
BL	LT265/75R16	E	123/120R	189-786	44	(7.5)7.0-8.0	31.7	10.5	14.7	12.2	659	15	1550@550	3415@80	1400@550	3085@80
BL	9.50R16.5LT	E	121/117R	189-820	40	(6.75)6.8-8.2	30.6	9.5	14.2	10.7	682	15	1415@550	3195@80	1285@550	2835@80
BL	8.75R16.5LT	E	115/111R	189-803	35	(6.75)6.0-6.8	29.5	8.8	13.8	9.9	708	15	1215@550	2680@80	1090@550	2405@80
BL	LT235/80R17	E	120/117R	191-282	41	(6.5)6.0-7.5	31.8	9.3	14.8	10.8	656	14	1400@550	3085@80	1285@550	2835@80
BL	LT225/75R17	E	116/113R	224-133	37	(6.0)6.0-7.5	30.3	8.8	14.2	10.2	687	14	1250@550	2755@80	1150@550	2535@80
BL	LT245/75R17	E	121R	225-425	42	(7.0)6.5-7.5	31.5	9.8	14.7	11.3	661	14				
BL	LT245/75R17	E	121/118R	233-007	42	(7.0)6.5-7.5	31.5	9.8	14.7	11.3	661	13				
OWL	LT245/75R17	E	121/118R	207-483	42	(7.0)6.5-7.5	31.5	9.8	14.7	11.3	661	14	1450@550	395@80	1320@550	2910@80
BL	LT245/70R17	E	119/116R	232-990	41	(7.0)6.5-8.0	30.8	9.8	14.3	11.3	681	14				
BL	LT245/70R17	E	119/116R	191-316	41	(7.0)6.5-8.0	30.8	9.8	14.3	11.3	681	14	1360@550	3000@80	1250@550	2755@80
OWL	LT265/70R17	E	121/116R	200-156	46	(8.0)7.0-8.5	31.7	10.7	14.7	12.4	657	14	1450@550	3195@80	1320@550	2910@80
OWL	LT275/70R18	E	125/122R	207-500	50	(8.0)7.0-8.5	33.2	11	15.5	12.8	627	16	1650@550	3640@80	1500@550	3305@80
OWL	LT275/65R18	E	123/120S	207-619	50	(8.0)7.5-9.0	32.1	11	15	12.8	651	17	1550@550	3415@80	1400@550	3085@80

- All dimensions taken with tire on measuring rim (in parenthesis above).
- Loaded dimensions and RPM measured at maximum dual load.
- For load and inflation tables see pages 67 through 75.

Firestone tires and tubes are subject to an ongoing development program. Bridgestone Americas Tire Operations, LLC retains the right to amend specifications at any time without notice or obligations. Please refer to rim manufacturer's load and inflation limits. Never exceed rim manufacturer's limits without the consent of the component manufacturer.

# Firestone

## **FIREHAWK™ GT PURSUIT**



- Asymmetrical Design  
**Provides consistent balance and evacuation of water.**
- High-Silica Compound and Wider Tread Profile  
**Provide improved cornering coefficient for impressive handling.**
- Veri-Pitch Noise Reduction  
**Helps reduce noise.**

**ULTRA HIGH PERFORMANCE PURSUIT**



Please refer to the appropriate Tire Limited Warranty booklet for complete limited warranty details. See each warranty at your authorized Firestone retailer for details and restrictions.

**THE FIREHAWK PURSUIT** is specially designed for the law enforcement and high-speed emergency use. This W-Speed rated tire combines excellent wet and dry handling with an emphasis on quick steering response. Built for durability, the Firehawk Pursuit gives you good wear without sacrificing ride quality. And, as further endorsement of high performance, it passed the demanding Los Angeles County Sheriff's Department high-speed wear tests.

**FIREHAWK GT PURSUIT TIRE SPECIFICATIONS**

Tire Size and Service Description	Load Range	Article Number	Sidewall Styling	Approved Rim Widths	Measuring Rim Width	Overall Tire Diameter	Overall Section Width	Tread Depth (32nd)	Revs Per Mile	UTQG	Wt.
<b>17" Rim Diameter</b>											
P265/60R17 108V		023189	BW	7.5-9.5	8.0	29.5	10.7	11	701	340 A A	38
P235/55R17 98W		077325	BW	6.5-8.5	7.5	27.2	9.7	11	766	340 A A	32
<b>18" Rim Diameter</b>											
P225/60R18 99W		005254	BW	6.0-8.0	6.5	28.6	9.0	11	728	340 A A	31
245/55R18 103W		000177	BW	6.0-8.0	7.5	28.6	10.0	12	728	340 A A	35
P235/50R18 99W	XL	023308	BW	6.5-8.5	7.5	27.3	9.7	11	763	340 A A	33

The Firehawk PV41 is specially designed for law enforcement and high-speed emergency use. This V-Speed rated tire combines excellent wet and dry handling with an emphasis on quick steering response. Built for durability, the PV41 gives you good wear without sacrificing ride quality.

**FIREHAWK PV41 TIRE SPECIFICATIONS**

Tire Size and Service Description	Article Number	Sidewall Styling	Approved Rim Widths	Measuring Rim Width	Overall Tire Diameter	Overall Section Width	Tread Depth (32nd)	Revs Per Mile	UTQG	Wt.
<b>16" Rim Diameter</b>										
P225/60R16 97V	067911	BW	6.0-8.0	6.5	26.6	9.0	11	783	340 A A	29

When time is of the essence, you can't allow winter elements to slow you down. That's why we've specially designed the PVS (Pursuit Vehicle Snow) for law enforcement and emergency use in winter conditions. This V-speed rated Firehawk tire provides the ideal balance between snow and wet performance with an emphasis on handling. Maneuverable on dry roads, too, the PVS meets the needs of demanding drivers in the most severe winter conditions.

**FIREHAWK PVS TIRE SPECIFICATIONS**

Tire Size and Service Description	Load Range	Article Number	Sidewall Styling	Approved Rim Widths	Measuring Rim Width	Overall Tire Diameter	Overall Section Width	Tread Depth (32nd)	Revs Per Mile	UTQG	Wt.
<b>16" Rim Diameter</b>											
P225/60R16 97V		098388	BW	6.0-8.0	6.5	26.6	9.0	11	777	-	30
<b>17" Rim Diameter</b>											
P265/60R17 108H		149558	BW	7.5-9.5	8.0	29.5	10.7	12	704	-	37
P235/55R17 98V		077359	BW	6.5-8.5	7.5	27.2	9.7	12	763	-	30
<b>18" Rim Diameter</b>											
P225/60R18 99V		077376	BW	6.0-8.0	6.5	28.6	9.0	11	728	-	31
245/55R18 103V		000252	BW	6.0-8.0	7.5	28.6	10.0	11	728	-	34
P235/50R18 99V	XL	023325	BW	6.5-8.5	7.5	27.3	9.7	11	763	-	32

XL = Extra Load (XL) / Reinforced -- For Euro-Metric tires, the term 'reinforced' means the same as "Extra Load"  
 BW = Blackwall

Some sizes may contain additional construction features. Ask for our free Tire Limited Warranty manual, which also provides an explanation of tire speed ratings. See your local Firestone retailer for details. NOTE: When using passenger car-sized tires (P-Metric or Euro-Metric) on most mini-vans, full-size vans, SUV's and light duty pickup trucks, federal regulations require that their load capacity, at all inflation pressures, be reduced by a service factor of 9%.

Bridgestone Americas Tire Operations, LLC  
 535 Marriock Drive, Nashville, TN 37214 • 615-391-0088  
 www.bridgestonetire.com • www.dresafety.com

© 2015 Bridgestone Americas Tire Operations, LLC All rights reserved.





**T839**  
**On/Off-Highway**  
**All-Position Wide Base Radial**

- A five-rib design provides extra pulling power for extra-heavy loads.
- Wide base design for higher payload and flotation so tires maintain grip and traction without digging into the ground.
- Four full-width steel belts combat tread squirm and enhance retreadability.

**Recommended Application**

An all-position wide base radial recommended for steer, drive and trailer positions in on/off-highway service.

**Replaces:** BFGoodrich: ST565  
 Hankook: AM15

TECHNICAL DATA															
Tire Size	Load Range	Historical Number	Weight (Lbs.)	Max. Rim	Overall Diam.	Overall Width	Static Loaded Radius	Overall Width (Loaded)	Revs Per Mile	Tread Depth (32")	Max. Tire Load (Single)		Max. Tire Load (Dual)		Max. Speed (RPM)
											Kg/kPa	Lbs./PSI	Kg/kPa	Lbs./PSI	
<b>T839</b>															
385/65R22.5	J	294-586	155	11.75	42.5	15.2	19.7	16.6	492	17	4250@830	9370@120	-	-	65
425/65R22.5	L	294-594	179	12.25	44.5	16.3	20.5	17.7	470	18	5150@830	11400@120	-	-	65
445/65R22.5	L	294-608	193	13.00	45.7	17.4	21.0	19.0	458	18	5600@830	12300@120	-	-	65

- All dimensions taken with tire on measuring rim.
- Loaded dimensions and RPM measured at maximum dual load.
- For load and inflation tables see pages 61 through 65.
- For minimum dual spacing and approved rim widths see page 44.
- For ply ratings see table on page 42.

Firestone tires and tubes are subject to an ongoing development program. Bridgestone Americas Tire Operations, LLC retains the right to amend specifications at any time without notice or obligations. Please refer to rim manufacturer's load and inflation limits. Never exceed rim manufacturer's limits without the consent of the component manufacturer.

# Firestone



**GOLD PLEDGE**

## DESTINATION™ LE<sup>2</sup>

DESTINATION

- Dry Performance & Wear Life  
Continuous closed shoulder blocks
- Quiet Ride  
Optimized noise sequencing
- Wet Performance  
Circumferential grooves, zigzag sipes, sweeping slots
- Winter Performance  
Stepped inside notches, zigzag sipes

### LIGHT TRUCK / SUV HIGHWAY

- 60,000 Mile/100,000 Kilometre Treadwear Limited Warranty\*
- Gold Pledge 3-Year Limited Warranty\*
- Buy & Try 30-Day Guarantee\*

\*Treadwear Limited Warranty does not apply to Flotation and LT-Metric Sizes. Please refer to the appropriate Tire Limited Warranty booklet for complete limited warranty details. See each warranty at your authorized Firestone retailer for details and restrictions.



IF YOU'RE LOOKING FOR A TIRE THAT WORKS AS HARD AS YOU DO for your light truck or SUV and you want great value for your money, look no further than the Firestone Destination LE<sup>2</sup>. It delivers year-round performance as well as a quiet, comfortable ride.

**DESTINATION LE2 TIRE SPECIFICATIONS**

Tire Size and Service Description	Load Range	Article Number	Sidewall Styling	Approved Rim Widths	Measuring Rim Width	Overall Tire Diameter	Overall Section Width	Tread Depth (32nd)	Revs Per Mile	UTQG	Wt.
<b>15" Rim Diameter</b>											
P215/75R15 100T		140310	OWL	5.5-7.0	6.0	27.7	8.5	12	753	520 A B	26
P225/75R15 102T		140327	OWL	6.0-7.5	6.0	28.3	8.8	12	736	520 A B	28
P235/75R15 108T	XL	097623	OWL	6.0-8.0	6.5	28.9	9.3	12	722	520 A B	31
P265/75R15 112T		097674	OWL	7.0-9.0	7.5	30.7	10.5	12	679	520 A B	37
P225/70R15 100T		140344	OWL	6.0-7.5	6.5	27.4	9.0	12	759	520 A B	27
P235/70R15 102T		140361	OWL	6.0-8.0	7.0	28.0	9.5	12	744	520 A B	28
<b>16" Rim Diameter</b>											
P225/75R16 104T		097608	OWL	6.0-7.5	6.0	29.3	8.8	12	711	520 A B	31
P235/75R16 109T	XL	140378	OWL	6.0-7.5	6.5	29.8	9.3	12	698	520 A B	35
P245/75R16 109S		000223	BW	6.5-8.0	7.0	30.5	9.8	11	684	520 A B	32
P245/75R16 109T		097657	OWL	6.5-8.0	7.0	30.5	9.8	12	684	520 A B	37
P265/75R16 114T		097708	OWL	7.0-9.0	7.5	31.7	10.5	12	658	520 A B	40
205/70R16 96T		002021	BW	5.0-7.0	6.0	27.3	8.2	13	762	520 A B	23
P215/70R16 99H		097725	BW	5.5-7.0	6.5	27.9	8.7	12	747	520 A B	28
225/70R16 103H		001779	BW	6.0-7.5	6.5	28.4	9.0	12	733	520 A B	30
225/70R16 103H		097742	OWL	6.0-7.5	6.5	28.4	9.0	13	733	520 A B	29
P235/70R16 107T	XL	097759	OWL	6.0-8.0	7.0	29.0	9.5	13	719	520 A B	31
P245/70R16 106H		001740	BW	6.5-8.0	7.0	29.5	9.8	13	705	520 A B	36
P245/70R16 106H		097793	OWL	6.5-8.0	7.0	29.5	9.8	13	705	520 A B	35
P255/70R16 108T		097844	OWL	6.5-8.5	7.5	30.1	10.2	12	693	520 A B	36
P265/70R16 111T		001738	BW	7.0-9.0	8.0	30.6	10.7	13	680	520 A B	38
P265/70R16 111T		097895	OWL	7.0-9.0	8.0	30.6	10.7	12	680	520 A B	38
P235/65R16 101T		017936	BW	6.5-8.5	7.0	28.0	9.5	10	744	520 A B	30
P255/65R16 106T		098031	OWL	7.0-9.0	7.5	29.1	10.2	12	717	520 A B	33
<b>17" Rim Diameter</b>											
P235/70R17 108T	XL	097776	OWL	6.0-8.0	7.0	30.0	9.5	13	694	520 A B	35
P245/70R17 108T		097827	OWL	6.5-8.0	7.0	30.6	9.8	12	682	520 A B	35
P255/70R17 110T		138043	OWL	6.5-8.5	7.5	31.1	10.2	13	670	520 A B	38
P265/70R17 113T		001737	BW	7.0-9.0	8.0	31.7	10.7	13	658	520 A B	41
P265/70R17 113T		097912	OWL	7.0-9.0	8.0	31.7	10.7	13	658	520 A B	38
225/65R17 102H		097946	BW	6.0-8.0	6.5	28.5	9.0	12	731	520 A B	29
225/65R17 102T		025008	BW	6.0-8.0	6.5	28.5	9.0	10	708	520 A B	28
235/65R17 104H		097963	BW	6.5-8.5	7.0	29.1	9.5	12	717	520 A B	31
P245/65R17 105T		001739	BW	7.0-8.5	7.0	29.5	9.8	12	705	520 A B	36
P245/65R17 105T		097997	OWL	7.0-8.5	7.0	29.5	9.8	12	705	520 A B	33
P255/65R17 108T		098048	OWL	7.0-9.0	7.5	30.1	10.2	12	693	520 A B	36
P265/65R17 110S		000224	BW	7.5-9.5	8.0	30.6	10.7	11	682	520 A B	37
P265/65R17 110T		098065	OWL	7.5-9.5	8.0	30.6	10.7	12	682	520 A B	37
225/60R17 99T		024991	BW	6.0-8.0	6.5	27.6	9.0	10	730	520 A B	25
P235/60R17 100H		017987	BW	6.5-8.5	7.0	28.1	9.5	12		520 A B	29
P275/60R17 110T		098133	OWL	7.5-9.5	8.0	30.0	11.0	11	694	520 A B	38

More sizes available on next page...

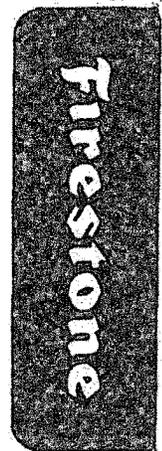
XL = Extra Load (XL) / Reinforced - For Euro-Metric tires, the term 'reinforced' means the same as "Extra Load"  
 BW = Blackwall  
 OWL = Outline White Letter.

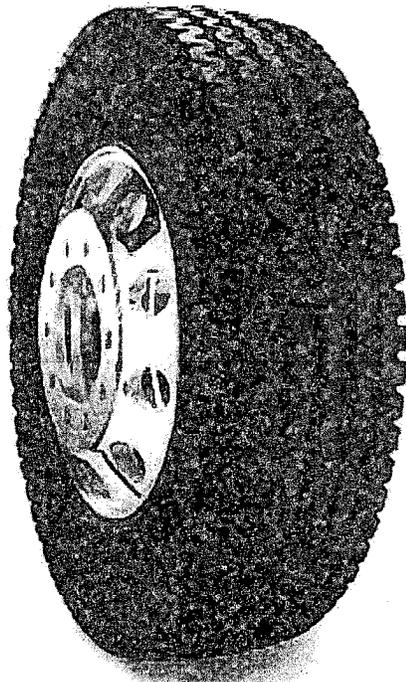
Some sizes may contain additional construction features. Ask for our free Tire Limited Warranty manual, which also provides an explanation of tire speed ratings. See your local Firestone retailer for details. **NOTE:** When using passenger car-sized tires (P-Metric or Euro-Metric) on most mini-vans, full-size vans, SUV's and light duty pickup trucks, federal regulations require that their load capacity, at all inflation pressures, be reduced by a service factor of 9%.

Bridgestone Americas Tire Operations, LLC  
 535 Marriott Drive, Nashville, TN 37214 • 615-391-0088  
 www.bridgestonetire.com • www.tiresafety.com

© 2015 Bridgestone Americas Tire Operations, LLC All rights reserved.

0714 / 1D9804





**FS820**  
**On/Off-Highway**  
**All-Position Radial**

- Special tread compounds help resist cuts, chips, and tears for long original tread life.
- Rugged five-rib design combats stone retention for long mileage and retreadability.
- All-steel casing construction and cap/base compounding helps resist cuts and improves durability and retreadability.
- Stone rejecter platforms (center groove 315/80R22.5; each major groove 11R22.5 & 11R24.5) protect belts from potential damage.

**Recommended Application**

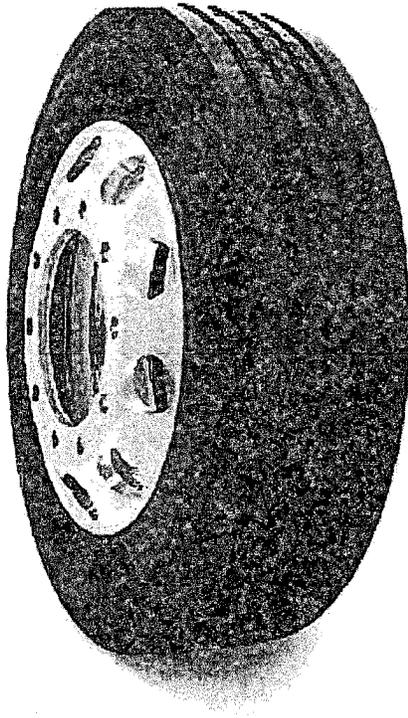
An all-position radial recommended for steer, drive, and trailer positions in on/off-highway service.

**Replaces:** Hankook: AM06  
 Yokohama: MY507, 501ZA

TECHNICAL DATA															
Tire Size	Load Range	Material Number	Weight (lbs.)	Mean Rim	Overall Diam	Overall Width	Static Loaded Radius	Overall Width (Loaded)	Ribs Per Mile	Tread Depth (32")	Max Tire Load (Single)		Max Tire Load (Dual)		Max Speed (MPH)
											Kg/kPa	Lbs/PSI	Kg/kPa	Lbs/PSI	
<b>FS820</b>															
11R22.5	H	241-252	134	8.25	42.0	10.9	19.5	12.0	495	24	3000@830	6610@120	2720@830	6005@120	65
11R24.5	H	233-840	144	8.25	44.0	10.9	20.5	12.0	472	24	3250@830	7160@120	3000@830	6610@120	65
315/80R22.5	L	233-874	148	9.00	42.9	2.6	19.9	13.9	484	28	4120@900	9090@120	3750@830	8270@130	65

- All dimensions taken with tire on measuring rim.
- Loaded dimensions and RPM measured at maximum dual load.
- For load and inflation tables see pages 61 through 65.
- For minimum dual spacing and approved rim widths see page 44.
- For ply ratings see table on page 42.

Firestone tires and tubes are subject to an ongoing development program. Bridgestone Americas Tire Operations, LLC retains the right to amend specifications at any time without notice or obligations. Please refer to rim manufacturer's load and inflation limits. Never exceed rim manufacturer's limits without the consent of the component manufacturer.



## FS561 All-Position Radial

- Tread cap compound and solid shoulder ribs enhance resistance to maneuvering scrub, leading to increased tread life.
- Stone rejectors in center grooves help provide resistance to stone drilling and protect belts for enhanced casing durability.
- Stress relief sipes fight irregular wear by absorbing rib edge stresses in the footprint for long, even wear.
- Sidewall protector ribs help protect the casing from cuts, snags and abrasions due to curbing and impacts.
- Innovative sidewall design reduces overall weight to improve fuel efficiency without sacrificing durability.

### Recommended Application

An all-position radial tire recommended for steer application in:  
**Regional Haul Service / Pickup & Delivery Service**

**Replaces:** BFGoodrich: ST230  
Hankook: AH12  
Yokohama: 103ZR, RY023

### TECHNICAL DATA

Tire Size	Load Range	Rotational Number	Weight* (lbs.)	Mass. Rim	Overall Diam	Overall Width	Static Loaded Radius	Overall Width (Loaded)	Revs Per Mile	Tread Depth (32")	Max. Tire Load (Single)		Max. Tire Load (Dual)		Max. Speed (RPM)
											Kg/kPa	Lbs/PSI	Kg/kPa	Lbs/PSI	
<b>FS561</b>															
9R22.5 <sup>1</sup>	F	248-562	90	6.75	38.4	9	18	9.9	541	19	2060@720	4540@105	1950@720	4300@105	75
10R22.5	F	248-579	109	7.50	40.2	9.9	18.8	10.9	517	20	2360@690	5205@100	2240@690	4940@100	75
10R22.5	G	248-596	109	7.50	40.2	9.9	18.8	10.9	517	20	2575@790	5675@115	2430@790	5355@115	75
11R22.5 <sup>2</sup>	G	248-307	114	8.25	41.5	10.9	19.3	12	501	21	2800@720	6175@105	2650@720	5640@105	75
11R22.5 <sup>2</sup>	H	248-324	114	8.25	41.5	10.9	19.3	12	501	21	3000@830	6610@120	2725@830	6005@120	75
12R22.5	H	248-494	139	9.00	42.7	11.6	19.8	12.8	487	21	3350@830	7390@120	3075@830	6780@120	75
11R24.5	G	248-358	120	8.25	43.6	10.9	20.4	12	477	21	3000@720	6610@105	2725@720	6005@105	75
11R24.5	H	248-375	120	8.25	43.6	10.9	20.4	12	477	21	3250@830	7160@120	3000@830	6610@120	75
255/70R22.5	H	248-528	93	8.25	36.8	10.4	17.3	11.4	565	21	2500@830	5510@120	2300@830	5070@120	75
275/70R22.5 <sup>1</sup>	J	248-545	99	8.25	38.1	11.5	17.9	12.7	545	21	3150@900	6940@130	2900@900	6395@130	75
295/75R22.5	G	248-273	111	8.25	40.4	10.9	18.9	12	514	21	2600@760	6175@110	2575@760	5675@110	75
285/75R24.5	G	248-290	121	8.25	41.5	10.9	19.5	12	501	21	2800@760	6175@110	2575@760	5675@110	75

\* Estimate, subject to change <sup>1</sup> Available 1st half 2015 <sup>2</sup> Available 2nd half 2015

- All dimensions taken with tire on measuring rim.
- Loaded dimensions and RPM measured at maximum dual load.
- For load and inflation tables see pages 61 through 65.
- For minimum dual spacing and approved rim widths see page 44.
- For ply ratings see table on page 42.

Firestone tires and tubes are subject to an ongoing development program. Bridgestone Americas Tire Operations, LLC retains the right to amend specifications at any time without notice or obligations. Please refer to rim manufacturer's load and inflation limits. Never exceed rim manufacturer's limits without the consent of the component manufacturer.

## Truck Tire Limited Warranty

### Eligibility

You are covered under the terms of this Limited Warranty if all of the following apply:

- You are the original owner, or original owner's authorized agent, of any new Firestone brand truck tire bearing a Department of Transportation (DOT) tire identification number indicating manufacture after January 1, 2011 (DOT serial 0111 or later). For tires covered prior to this time, please refer to the limited warranty that would have been in effect at the time of original sale.
- The tire was purchased after January 1, 2012.
- The tire size, load range, and speed rating are equivalent to or greater than, that specified or recommended for use by the vehicle manufacturer or Bridgestone.
- The new tire was approved for sale in the United States, listed in a U.S. price or data book, and purchased from an authorized Firestone brand truck tire retailer.

### What Is Warranted & For How Long

Upon examination by Bridgestone, before wearing down to 2/32 inch (1.6 mm) remaining original tread depth (i.e. worn down to the top of the built-in indicators in the original tread grooves) and within six years from the date of tire manufacture, any eligible tire that becomes unusable for any reason (see exclusions in the section entitled "What This Limited Warranty Does Not Cover") within the manufacturer's control will either be repaired or replaced with an equivalent new Firestone brand truck tire on the basis set forth in this Limited Warranty.

### What This Limited Warranty Does Not Cover

This Limited Warranty does not cover the following:

1. Tire damage due to:
  - A. **Road hazards**, including, without limitation: Puncture, cut, impact break, stone drill, bruise, bulge, snag, etc.
  - B. **Improper use or operation**, including, without limitation: Improper inflation pressure, overloading, tire/wheel spinning, curbing, use of an improper rim/wheel, tire chain damage, misuse, misapplication, negligence, tire alteration, or for racing or competition purposes.

C. **Insufficient or improper maintenance**, including, without limitation: Wheel misalignment, worn suspension components, improper tire mounting or demounting, tire/wheel assembly imbalance, improper brake adjustment, or other vehicle conditions, defects, or characteristics.

D. **Contamination or degradation** by petroleum products or other chemicals, fire or other externally generated heat, or water or other material trapped inside the tire during mounting or inflation.

2. Irregular wear, rapid wear, or wear-out; no mileage warranty is expressed or implied.
3. Weather/ozone cracking after four years from date of tire manufacture.
4. Tires subjected to severe under-inflation or run-flat conditions.
5. Tires that have been improperly repaired.
6. Tires rendered unretreadable due to excessive tread wear or improper buffing.
7. Tires improperly retreaded, including, without limitation: Improper or inadequate inspection, preparation, equipment, material, repair, etc.
8. Ride disturbance or vibration after tread wear use beyond 10% of original usable tread depth.
9. Tires with internally applied additives for balance, sealing, cooling, or any other alleged tire performance enhancement will not void the Limited Warranty unless an inspection of the tire reveals damage related to the use of the additive.
10. Tires inflated with anything other than air or nitrogen.
11. Tires purchased or used outside of the United States.
12. The cost of applicable federal, state, and local taxes.
13. Failure to follow any of the safety and maintenance recommendations or warnings contained in this manual.

This Limited Warranty is in addition to and/or may be limited by any other applicable written warranty you may have received concerning special tires or situations.

**No-Charge Replacement – New Tire**

Firestone brand truck tires adjusted under this Limited Warranty will be replaced free of charge (Federal Excise Tax included) up to the first 10% of original usable tread depth or within 12 months from date of purchase (without proof of purchase date, then within 12 months from the date of tire manufacture), whichever occurs first. The cost of mounting and balancing and other service charges, disposal fees, or applicable taxes are payable by you.

**Pro-Rated Replacement – Worn Original Tread Tire**

Firestone brand truck tires adjusted under this Limited Warranty that are worn beyond the first 10% of original usable tread depth, or 12 months from the date of purchase (without proof of purchase date, then 12 months from the date of tire manufacture) has passed, the tire will, at Bridgestone's option, be repaired or replaced with an equivalent new Firestone brand truck tire on a pro rata basis. To determine the replacement price, the percent of used tread wear is multiplied by the current selling price for the replacement tire(s). The cost of mounting, balancing, full Federal Excise Tax, and other service charges, disposal fees, or applicable taxes are payable by you.

**Replacement Warranty**

If you receive a replacement tire under this Limited Warranty, it will be covered by the manufacturer's warranty, if any, given on that tire at that time.

**Where to Go**

Tire adjustments under this Limited Warranty will only be made at an authorized Firestone brand truck tire retailer in the United States. Consult a phone directory (often listed in the Yellow Pages under "Tire Dealers"), the Internet at [www.trucktires.com](http://www.trucktires.com), or call 1-800-815-9793 for the location nearest you.

**Consumer Rights**

This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**Conditions and Exclusions**

To the extent permitted by law, Bridgestone Americas Tire Operations, LLC disclaims all other warranties, including but not limited to the implied warranties of merchantability and fitness for a particular purpose and any liability for incidental and consequential damages, loss of time, loss of vehicle use, or inconvenience. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Limited Warranty applies only to consumers actually purchasing and using the tire in the United States.

Obligations under this policy may not be enlarged or altered by anyone.

In accordance with Federal Law, this Limited Warranty has been designated as a "Limited Warranty." Nothing in this Limited Warranty is intended to be a representation that tire failures cannot occur. This Limited Warranty is given in the United States by Bridgestone Americas Tire Operations, LLC, 535 Marriott Dr., Nashville, TN 37214.

**Owner's Obligations**

It is your obligation to maintain proper tire inflation pressures as specified by the vehicle manufacturer and to operate the vehicle within tire/vehicle load capacity and speed limitations. It is also your obligation to maintain proper wheel alignment and tire/wheel assembly balance.

To request an adjustment, you must present the tire to an authorized Firestone brand truck tire retailer. Your vehicle on which the tire was equipped must also be available for inspection. Complete and sign the customer section of the Bridgestone Americas Tire Operations, LLC Limited Warranty Form or an electronic version of the Firestone Limited Warranty Form and pay appropriate replacement price, taxes, disposal fees, and service charges, if any. Tires accepted for warranty compensation become the property of Bridgestone Americas Tire Operations, LLC.

**Arbitration**

You and Bridgestone Americas Tire Operations, LLC agree that all claims, disputes, and controversies between you and it, including any of its agents, employees, successors, or assigns, arising out of or in connection with this Limited Warranty, or any other warranties, express or implied, including a failure of warranty and the validity of this arbitration clause, but excluding claims for personal injury or property damage, shall be resolved by binding arbitration between you and it, according to the formal dispute resolution procedures of the National Arbitration Forum, under the Code of Procedure then in effect. This arbitration will be conducted as a document hearing. If you request any procedures beyond a document hearing, you will be responsible for all fees, including filing and administrative fees, above and beyond the fees required for document hearings. The arbitration between you and Bridgestone Americas Tire Operations, LLC shall not include any other customers, be combined or consolidated in any fashion with arbitrations involving other customers, or proceed in any form of class action in which the claims of numerous customers are considered together. Any award of the arbitrator(s) may be entered as a judgment in any court of competent jurisdiction. The arbitrators will have no authority to award punitive or other damages not measured by the prevailing party's actual damages, except as may be required by statute. Information may be obtained and claims may be filed at any office of the National Arbitration Forum or at P.O. Box 50191, Minneapolis, MN 55405.

▷ MICHELIN® TRUCK TIRE LIMITED WARRANTY

▷ ABOUT THIS WARRANTY

As the original purchaser of a MICHELIN® brand truck tire, you are covered by all the benefits and conditions (subject to the maintenance recommendations and safety warnings) contained in this booklet. To ensure your understanding of and compliance with the terms and conditions of this warranty, please read it carefully. It is essential that you also read and understand the Safety and Maintenance Recommendations for your tires beginning on Page 7.

▷ WHAT IS COVERED AND FOR HOW LONG -  
COMMERCIAL USE

Workmanship and Materials

Except as limited below, MICHELIN® truck tires bearing the MICHELIN® name and complete serial and identification numbers, used in commercial service, according to the instructions contained in this Operator's Manual, are covered by this limited warranty

against defects in workmanship and materials for the life of the original tread. At that time, all warranties, express or implied, expire.

Certain MICHELIN® truck tires used only in long-haul service according to the instructions contained in this Operator's Manual, are covered by this limited warranty against defects in workmanship and materials for 700,000 miles, and up to 3 retreads for 7 years from the date of manufacture when retreaded by an authorized Michelin Retread Technologies (MRT) Dealer. At that time, all warranties, express or implied, expire. These products are identified with the designation "7 Year / 700,000 Mile / 3-Retread Manufacturer's Limited Casing Warranty" in the commercial literature.

Tires covered by this Extended Warranty must have been inspected by a MICHELIN® Truck Tire Retailer and retreaded by an authorized Michelin Retread Technologies (MRT) Dealer, in accordance with the repair and retreading standards set by the Tire Industry Association and Michelin Retread Technologies, Inc., (MRTTI).

> WHAT IS COVERED AND FOR HOW LONG -  
CONSUMER USE

Workmanship and Materials

MICHELIN® truck tires bearing the MICHELIN® name and complete serial and identification numbers, used in consumer service, such as on a motorhome, according to the instructions contained in this Operator's Manual, are covered by this limited warranty against defects in workmanship and materials for the life of the original tread or five years from the date of purchase, whichever occurs first. At that time, all warranties, expressed or implied, expire.

Definitions

The life of the original usable tread is the original tread down to the level of the treadwear indicators - 2/32nds of an inch (1.6 mm) of tread remaining. Date of purchase is documented by new vehicle

registration or tire sales invoice. If no proof of purchase is available, coverage will be based on the date of manufacture, as molded on the sidewall. The date of manufacture is based on the original MICHELIN® DOT\* number molded on the tire sidewall. The mileage received will be based on fleet records. Replacement will be made in accordance with the terms and conditions described under "HOW REPLACEMENT CHARGES ARE CALCULATED" on Page 4.

\*DOT - Department of Transportation

▷ WHAT IS NOT COVERED

Tires/casings which become unserviceable due to:

- Road hazard injury (e.g., a cut, snag, bruise, impact damage or puncture);
- Incorrect mounting of the tire, tire/wheel imbalance, improper retread or improper repair;
- Misapplication, improper maintenance, racing, underinflation, overinflation or other abuse resulting in casing damage or fatigue;
- Accident, fire, chemical corrosion, contamination, tire alteration or vandalism;
- Flat spotting caused by improper storage;
- The addition of liquid, solid or gaseous materials other than air, nitrogen or carbon dioxide;
- Uses other than long haul service for any extended warranty casing claims;
- Uneven or rapid wear caused by mechanical irregularity in the vehicle, such as wheel misalignment, resulting in damage to the under-tread, carcass or steel belts;
- Ozone or weather checking.

▷ HOW REPLACEMENT CHARGES ARE CALCULATED

Workmanship and Materials

A tire which becomes unserviceable due to a condition covered by this workmanship and materials limited warranty will be replaced with a comparable new MICHELIN® truck tire, for a pro rata charge. The MICHELIN® Truck Tire Retailer will determine the charge by multiplying the percentage of the original usable tread worn by the current selling price at the adjustment location or the price on the current MICHELIN® Truck Tires Base Price List, whichever is lower.

You pay the cost of mounting, balancing, and any other service charges and applicable taxes.

**Long Haul Tires with Extended Warranty**

If your Long Haul tire covered by the "7 Year / 700,000 Mile / 3-Retread Manufacturer's Limited Casing Warranty" becomes unserviceable due to a condition covered by this warranty before providing 700,000 miles and 3 retreads of service, Michelin will provide casing credit based on the following schedule:

<u>Life of Casing up to 7 Years</u>	<u>Casing Credit</u>
Original Tread	Market Value
First, Second or Third retread	Market Value

**▶ WHAT YOU MUST DO WHEN MAKING A CLAIM**

When making a claim under the terms of this limited warranty, you must present your tire/casing to a MICHELIN® Truck Tire Retailer. You pay any service charges for normal vehicle and tire maintenance.

**▶ CONDITIONS AND EXCLUSIONS**

Unless this limitation is prohibited by state law, this warranty does not provide compensation for loss of time, loss of use of vehicle, inconvenience, or incidental or consequential damages.

Tires/casings presented for claim remain the property of the owner/consumer, and MICHELIN® brand accepts no responsibility for loss of, or damage to, tires/casings, which are in the custody or control of a MICHELIN® Truck Tire Retailer for the purpose of inspection for warranty adjustment.

Tires accepted for claim become the property of Michelin North America, Inc. (MNA).

**In the event of a disputed claim, the owner/consumer must make the tire available for further inspection.**

No Michelin representative, employee or retailer has the authority to make or imply any representation, promise or agreement, which in any way varies the terms of this limited warranty.

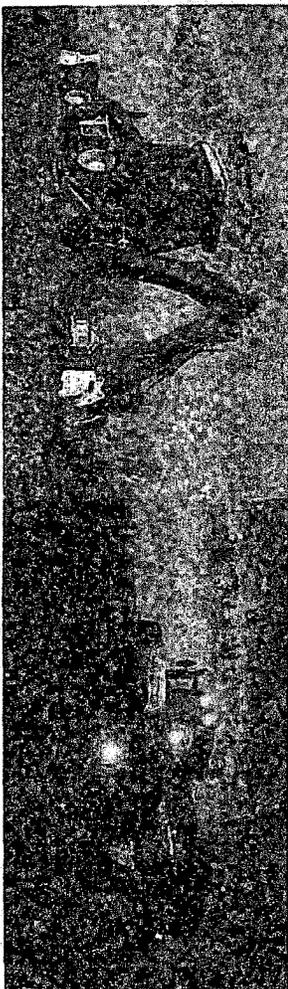
This limited warranty applies only in the United States.

REDBURN TIRE CO.



TITAN TIRE CORPORATION  
2345 E. Market Street  
Des Moines, IA 50317-7597  
Phone: 1-800-USA-BEAR (372-2277)  
Fax: 1-515-285-9647  
Email: warranty@titan-tire.com

## AGRICULTURAL & CONSTRUCTION TIRE WORKMANSHIP & MATERIAL ADJUSTMENT POLICY



### OWNER'S OBLIGATION

You must present the unserviceable tire and a copy of your proof of purchase data to a participating Titan Tire Dealer. Please contact your telephone directory or call 1-800-USA-BEAR for the location nearest you. Tires replaced on an adjustment basis become the property of Titan Tire Corporation.

You must pay for applicable taxes, and if beyond the no charge replacement period, mounting or any additional services you order at the time of adjustment.

No claim will be recognized unless submitted on a Titan claim form (to be supplied by the Titan Tire Dealer) completely filled out and signed by you, the original owner of the tire presented for adjustment or your authorized agent.

### SAFETY WARNINGS

Serious injury or death may result from:

- The failure due to underinflation/overloading.
- Follow the vehicle owner's manual or the placard in vehicle.
- Expansion of dry/tire assembly due to improper mounting.
- Only specially-trained persons should mount tires.
- Failure to deflate single or dual assemblies completely before demounting.

### FOR SERVICE ASSISTANCE OR INFORMATION:

1. Contact the nearest Authorized Titan Tire Dealer (can be found on website [www.titan-tire.com](http://www.titan-tire.com))
2. If additional assistance is required:

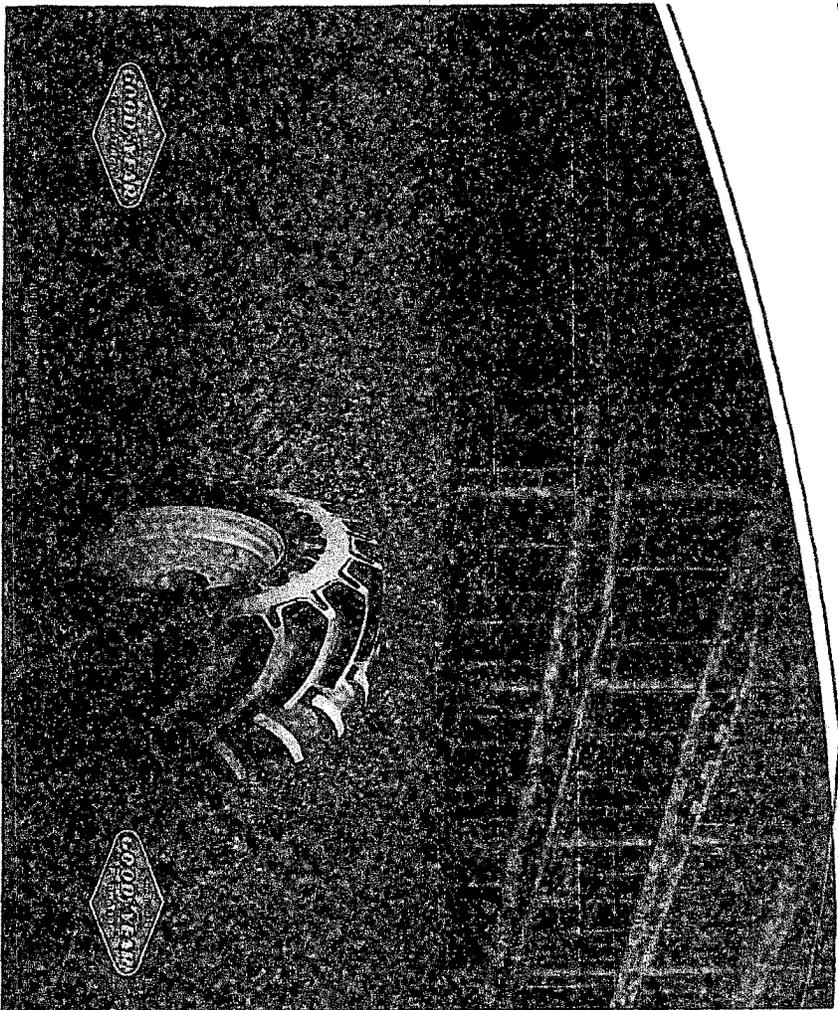
Email: [warranty@titan-tire.com](mailto:warranty@titan-tire.com)

Write to: Titan Tire Corporation

Warranty Department

2345 E. Market Street

Des Moines, IA 50317-7597



**WHO IS ELIGIBLE?**

You are eligible for the benefits of this adjustment policy if:

- You are the original owner or authorized agent of the original owner of new Titan or Goodyear branded agricultural tires
- Your tires bear legible Department of Transportation prescribed the identification numbers and are not branded "NA" (Not Adjustable)
- Your Titan or Goodyear branded agricultural tires have been used only on the vehicle on which they were originally installed according to the vehicle manufacturer's or Titan Tire's recommendations
- Your tires were purchased on or after January 1, 2008

**WHAT IS COVERED AND FOR HOW LONG?**

**Free tire replacement**

Titan or Goodyear branded radial rear farm tires that become unserviceable due to a covered warranty condition during the first twelve months of service will be replaced with a comparable new Titan or Goodyear branded tire without charge. If proof of purchase is not available to establish time in service, the date of manufacture will be used.

All other Titan or Goodyear branded agricultural and construction tires that become unserviceable due to a covered warranty condition during the first twelve months of service or 25% tread wear, whichever comes first, will be replaced with a comparable new Titan or Goodyear branded tire without charge except Single Rib, Triple Rib and Super Rib tires. (See table to the right\*) If proof of purchase is not available to establish time in service, the date of manufacture will be used.

The no charge provision includes normal mounting and service charges for rear farm and large Terra-Tire® high flotation tires.\* The no charge provision for front farm tire includes mounting charges only.

\*Large Terra-Tire® high flotation tires are defined as those tires listed as HF1, HF2, HF3 or HF4 tires.

**Pro-rated tire replacement**

Tires beyond the free tire replacement period will be replaced with a comparable new Titan or Goodyear branded agricultural tire on a pro rata basis. In the United States and Canada, the customer charge will be calculated by multiplying the customer's normal buying price, current at the time of adjustment, by the percentage determined from the "Agricultural Tire Chart for Warranty Changes" as shown below.

**AGRICULTURAL TIRE CHART FOR WARRANTY CHANGES**

TIRE IN SERVICE	PERCENT TIRE WEAR									
	0 to 10%	11 to 20%	21 to 30%	31 to 40%	41 to 50%	51 to 60%	61 to 70%	71 to 80%	81 to 90%	91 to 100%
1 year or less*	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
2 year or less	25%	25%	50%	50%	60%	70%	70%	80%	80%	80%
3 year or less	40%	60%	60%	60%	60%	70%	70%	80%	80%	80%
4 year or less	50%	50%	50%	60%	60%	70%	70%	80%	80%	80%
5 year or less	60%	60%	60%	60%	70%	70%	70%	80%	80%	80%
6 year or less	70%	70%	70%	70%	70%	70%	70%	80%	80%	80%
7 year or less	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
8 year or less	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%

TIRE IN SERVICE	PERCENT TIRE WEAR									
	0 to 10%	11 to 20%	21 to 30%	31 to 40%	41 to 50%	51 to 60%	61 to 70%	71 to 80%	81 to 90%	91 to 100%
1 year or less	NC**	NC	50%	60%	60%	70%	70%	80%	80%	100%
2 year or less	25%**	25%	50%	50%	60%	70%	70%	80%	80%	100%
3 year or less	40%**	60%	60%	60%	60%	70%	70%	80%	80%	100%
4 year or less	50%**	50%	50%	60%	60%	70%	70%	80%	80%	100%
5 year or less	60%**	60%	60%	60%	70%	70%	70%	80%	80%	100%
6 year or less	70%**	70%	70%	70%	70%	70%	70%	80%	80%	100%
8 year or less	85%**	85%	85%	85%	85%	85%	85%	85%	85%	100%

\* With proof of purchase. Without proof of purchase, the date of manufacture will be used.  
\*\* For Single Rib, Triple Rib and Super Rib usage only, based on 1-10% column.

**WHAT IS A COMPARABLE TIRE?**

A "comparable" new Titan or Goodyear branded agricultural tire may either be the same tire or, in the event that the tire is not available, a tire of the same basic construction and quality with a different sidewall or tread configuration. If a higher priced tire is accepted as replacement, the difference in price will be at an additional charge to you.

Any replacement tire provided pursuant to this protection plan will be covered by the Titan Tire protection plan in effect at the time of replacement.

**WHAT IS NOT COVERED BY THIS ADJUSTMENT POLICY?**

- Radial rear farm tires purchased under the adjustment policy and presented for adjustment more than eight (8) years after date of purchase.
- All other agricultural tires purchased under this adjustment policy and presented for adjustment more than six (6) years after date of purchase.
- If proof of purchase is not available, the tire date of manufacture will be used to determine the time in service and used to calculate the applicable pro rata charge.
- Irregular wear or tire damage due to:
  - Impact trucks, cuts, snags or machinery
  - Wreck, collision, or fire
  - Improper inflation, overloading, misapplication, misuse, negligence, racing or pulling context, speed, rim condition, chain damage, improper mounting or demounting or improper repair.
  - Mechanical condition of the vehicle.
- Material added to a tire after leaving a factory producing Titan or Goodyear branded tires: (example: the filter, sealant, or balancing substances). If the added material is the cause of the tire being removed from service, the tire will not be adjusted.
- In no event shall Titan be responsible for any liability for loss of time, inconvenience, loss of use of vehicle, incidental or consequential damage resulting from the failure of a tire for any reason, to the extent permitted by law.

**WHAT ARE YOUR LEGAL RIGHTS?**

No representative or dealer has authority to make any representation, promise, or agreement on behalf of Titan Tire, except as stated herein.

Any tire, no matter how well constructed, may fail in service or otherwise become unserviceable due to conditions beyond the control of the manufacturer. This adjustment policy is not intended as a representation that a tire failure cannot occur.

Titan does not assume any liability for incidental or consequential damages to the extent permitted by law.

Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This adjustment policy gives you specific legal rights, and you may also have other rights that vary from state to state or province to province.

This protection plan is applicable only in the United States and Canada.

**WHEN DOES THE ADJUSTMENT POLICY END?**

A tire has delivered its full original tread life and the warranty ends when the tread is worn to 2/32nds of an inch or the tire exceeds the time limitations described in this policy. In all cases, without proof of purchase, date of tire manufacture will be used to determine age.

**ATTACHMENT "A"**  
**5.1**  
**PRICING EXCEPTIONS**

<b>BRAND</b>	<b>SIZE</b>	<b>MODEL</b>	<b>USE</b>	<b>EST. QTY</b>	<b>UNIT PRICE</b>	<b>EXT. PRICE</b>
FIRESTONE #238702	255/70R22.5	FT491 16 PLY	GUS BUS	10	\$286.10	\$2,861.00
FIRESTONE #189718	LT235/85R16	TRANSFORCE HT	CASE TRACTOR/HD FLAT BED TRAILER	150	\$114.80	\$17,220.00
FIRESTONE #023189	P265/60R17	FIREHAWK GT V PURSUIT	POLICE TAHOE	140	\$117.36	\$16,430.40
FIRESTONE #077325	P235/55R17	FIREHAWK GT Z PURSUIT	POLICE CROWN VIC	330	\$105.38	\$34,775.40
FIRESTONE #294586	385/65R22.5	T839	FIRE TRUCK DUMP TRK	10	\$450.16	\$4,501.60
FIRESTONE #097776	P235/70R17	DESTINATION LE2	1/2 TON P/U	110	\$100.92	\$11,101.20
FIRESTONE #189752	LT225/75R16	TRANSFORCE HT	3/4 TON P/U	130	\$110.53	\$14,368.90
FIRESTONE #233874	315/80R22.5	FS820 20 PLY	MOST HD TRUCKS	270	\$449.48	\$121,359.60
FIRESTONE #248307	11R22.5	FS561 14 PLY	MOST HD TRUCKS	210	\$279.16	\$58,623.60